deviceTRUST® 2603

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Welcome

The deviceTRUST® documentation provides information about the installation, setup and a product reference for deviceTRUST.

Quick setup

To get started with deviceTRUST, choose your Architecture and then take a look at the Getting Started guide.

More information

- Architecture describes the different deployment scenarios.
- Getting Started provides the essential steps for a successful deviceTRUST installation.
- Download provides links that can be used to download the latest deviceTRUST Software.
- Installation details some important usage scenarios, plus how to install the deviceTRUST Console, Agent and Client Extension.
- Templates details the templates which can be used to quickly implement a use case.
- Reference provides a set of reference material describing the more advanced features of deviceTRUST.
- Knowledge Base provides a useful resource for common problems and resolutions.
- Troubleshooting important steps are described to help troubleshoot the deviceTRUST installation and configuration.
- Releases contains the release notes detailing new features and bug fixes within the released deviceTRUST products.

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What's new

Enhanced support for Smart Cards

The Smart Card Reader properties now detect real-time changes and include the following new properties:

- ATR – The Answer To Reset (ATR) of any smart card confirming to the ISO 7816 standard.
- Vendor – The vendor of the smart card reader.

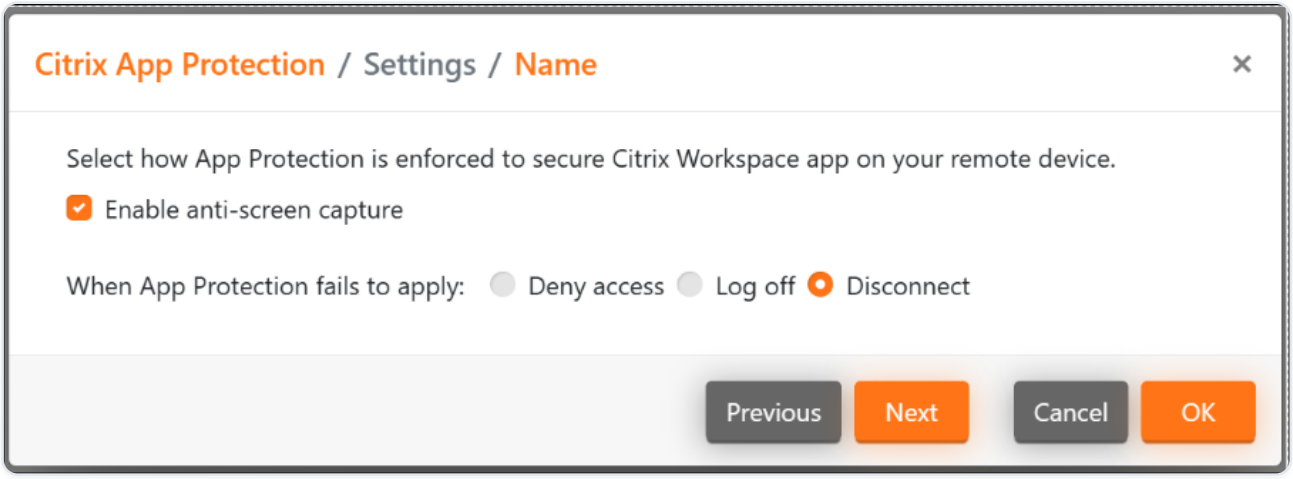
Additionally, a new User property has been added:

- Auth Credential Provider - The name of the credential provider used to authenticate the user.

A new Remote -> Compliance Check -> Smart Card Removal template has been added that uses these properties to trigger a deny access screen within a virtual session, whenever a smart card was used to authenticate a session and the smart card is subsequently removed.

Dynamic enablement of App Protection Anti-Screen Capture

Support for the dynamic enablement of App Protection's Anti-Screen Capture technology has been added as a new task. This task enables Anti-Screen Capture on the remote device on Microsoft Windows endpoints. If there is a failure to enable Anti-Screen Capture, such as when using an older release or an unsupported platform, the administrator can choose to Deny Access, Log-off or Disconnect the virtual session.



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Support for deviceTRUST Client Extension on native Windows ARM64 devices (Technical Preview)

The deviceTRUST Client Extension now natively supports ARM64 processor architecture on Microsoft Windows. This feature will remain in Technical Preview until the next release.

Support for USER_SID and SESSION_ID variables within Windows Registry properties

Support for variable substitution of `%USER_SID%` and `%SESSION_ID%` have been added to the variable expansion of all text fields, including Windows Registry properties. This allows registry values to be queried when they are nested below one of these variables.

- `%USER_SID%` is replaced with the user's Security Identifier, such as S-1-2-3-4.
- `%SESSION_ID%` is replaced with session id of the virtual session, such as 2, 3 or 4.

Citrix Workspace app iOS and Android

The deviceTRUST Client Extension is now natively integrated into Citrix Workspace app for iOS and Android.

Other Changes

- A new transition operator has been added to an action sequence to handle transitions from one context value to another.
- The deviceTRUST Console now depends upon the Microsoft Edge WebView2 runtime. This runtime is automatically installed on recent operating systems, and is available as a separate download on older operating systems.
- Mobile settings have been removed from the deviceTRUST Console and the deviceTRUST iOS Portal will be deprecated once all customers have moved off this service, and onto the newer Citrix Workspace app for iOS.
- The deviceTRUST Client Extension for macOS now requires a minimum supported operating system version of macOS Sonoma v14.

Fixed issue

The following bug fix has been added:

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- Fixed a crash in the deviceTRUST Agent when installed on a Windows Server OS alongside a VDA configured for single-session (DPSHELP-112).

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Architecture

TABLE OF CONTENTS

- Local Scenario
- Remote Scenario
- OS Compatibility
- Platform Compatibility

Local Scenario

deviceTRUST requires only one main component when installing on local devices, the deviceTRUST Agent. The deviceTRUST component can be installed and configured within minutes and can be fully integrated with existing deployment processes and management tools. No additional infrastructure (e.g. a database or a web server) is required for deviceTRUST to be installed in your environment.

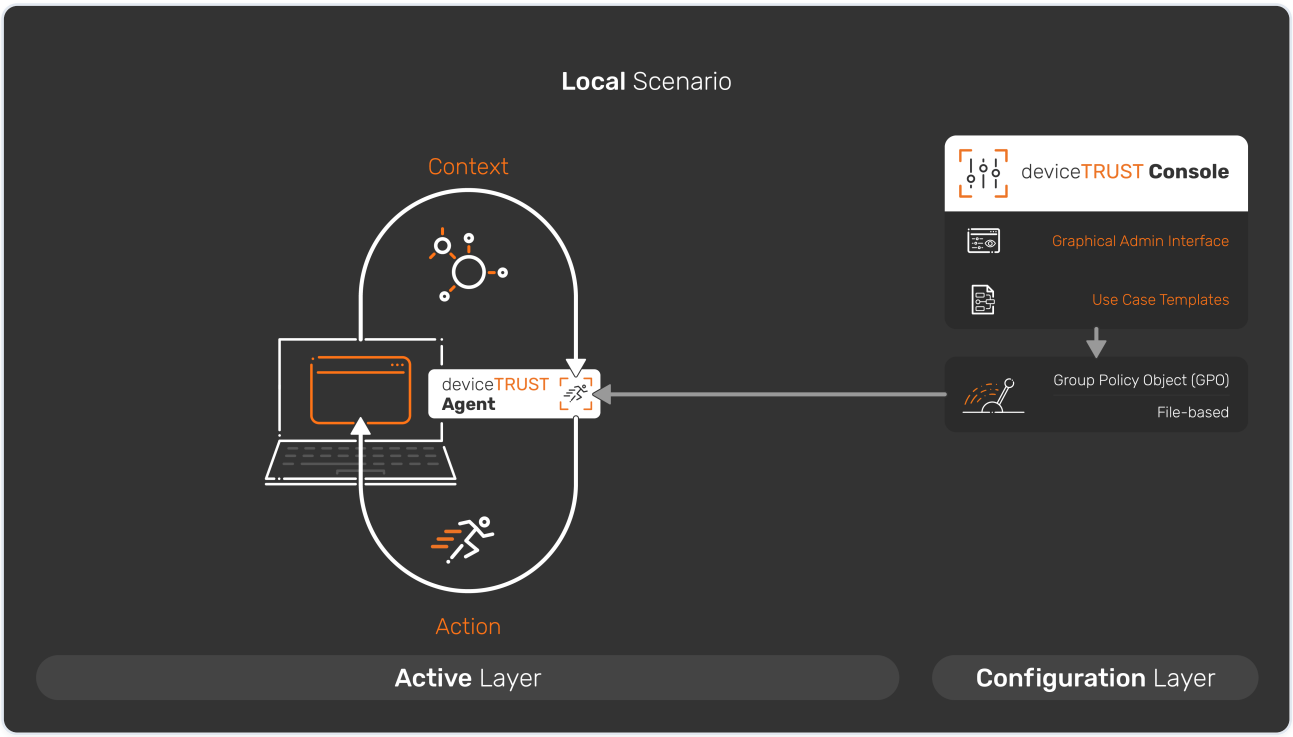
deviceTRUST® Agent

This component needs to be installed on the local device. The Property Reference describes which properties of the local agent are available within the users' session.

Architecture - Microsoft Windows local devices

The following diagram details the deviceTRUST architecture when the agent is installed on a Windows OS, with deviceTRUST making the user and device context information available within the local desktop session. Policy is made available to the deviceTRUST Agent using existing Microsoft Active Directory Group Policy Management or file-based. All operations performed by the deviceTRUST Agent are written to the Microsoft Windows Event Log.

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Remote Scenario

deviceTRUST consists of two main components when installing in remote environments, the deviceTRUST Agent and the deviceTRUST Client Extension. Both deviceTRUST components can be installed and configured within minutes and can be fully integrated with existing deployment processes and management tools. No additional infrastructure (e.g. a database or a web server) is required for deviceTRUST to be installed in your environment.

Solutions are provided by deviceTRUST® for both traditional and modern Operating Systems (OS). On a traditional OS such as Microsoft Windows, an extensibility framework is available that enables deviceTRUST to send user and device context within the communication channel between the clients and the Remote Desktop Services host. deviceTRUST also provides a solution for more modern OS's, such as Apple iOS, which offer no extensibility framework.

deviceTRUST Agent

This component needs to be installed on the remoting host that delivers the remote session to the users.

deviceTRUST Client Extension

This component needs to be installed on the remote device which will be used to connect to the remote host delivering the published applications and desktops. It is not required to have deviceTRUST Client Extension installed onto all of your remote devices but recommended to get

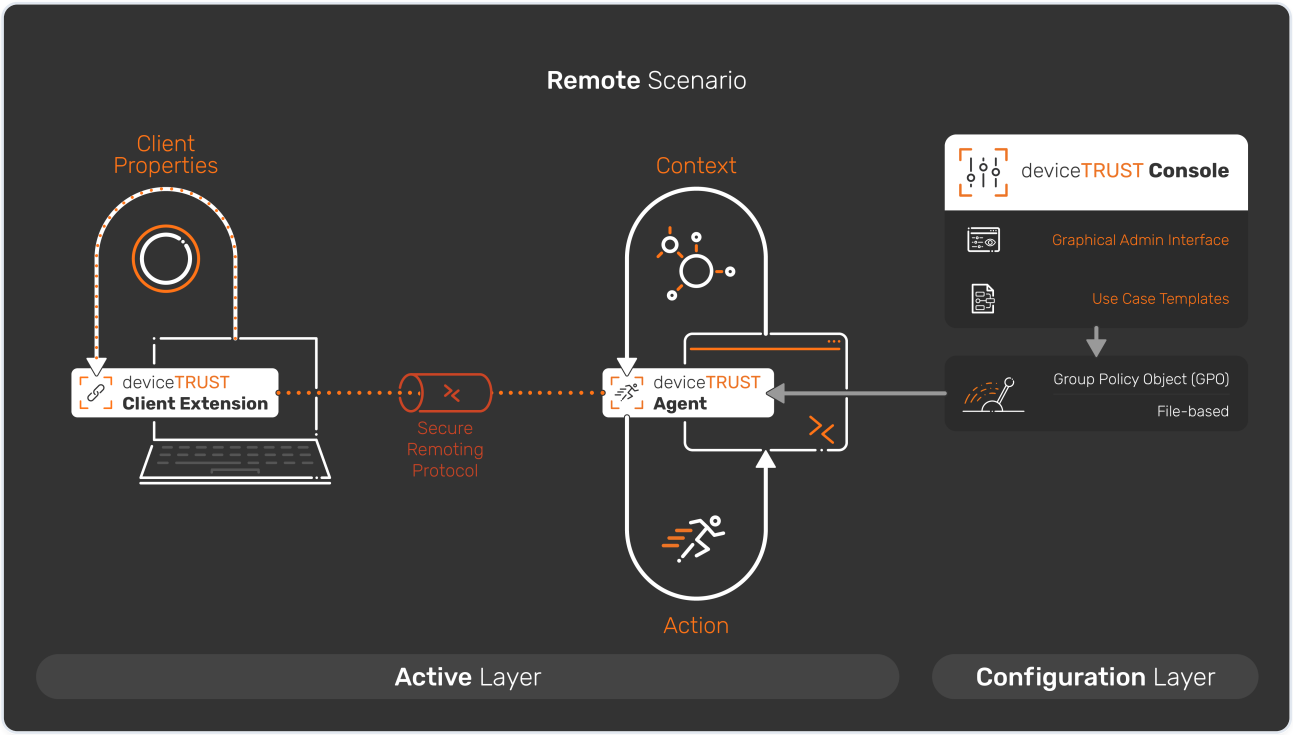
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the full range of context information about the remote device and its user into the users' virtual session.

In the absence of the deviceTRUST Client Extension on the remote device, deviceTRUST delivers the LOCAL_* properties into the users' remote session. The Property Reference describes which properties of the local agent and remote device are available within the users' session.

Architecture - Windows, macOS, Ubuntu, eLux® or IGEL OS device

The following diagram details the deviceTRUST architecture when the remote client is installed on a Windows, macOS, Ubuntu, eLux or IGEL OS device, with deviceTRUST sending the user and device context information within the communication channel offered by the remoting protocol. Policy is made available to the deviceTRUST Agent using existing Microsoft Active Directory Group Policy Management or file-based. All operations performed by the deviceTRUST Agent are written to the Microsoft Windows Event Log.



Operating System Compatibility

- Apple iOS and iPadOS
- Apple macOS
- IGEL OS 10 and 11
- IGEL OS 12
- Microsoft Windows

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- Stratodesk NoTouch
- Ubuntu Desktop
- Unicon eLux

Apple iOS and iPadOS

Compatible operating systems (deviceTRUST® Client Extension):

- Apple iOS 13.x and later
- Apple iPadOS 13.x and later

Compatible technologies:

- Citrix Virtual Apps and Desktops™
- Citrix Cloud™

NOTE:

iOS 17 support requires deviceTRUST Agent 23.1.200 or later, and deviceTRUST Client Extension for iOS 23.1.200 or later.

Apple macOS

Compatible operating systems (deviceTRUST Client Extension):

- Sonoma (14.0) and later

Compatible technologies:

- Citrix Virtual Apps and Desktops
- Citrix Cloud
- Microsoft Remote Desktop Services (via FreeRDP 2)

IGEL OS 10 and 11

Compatible technologies (deviceTRUST Client Extension):

- Citrix Virtual Apps and Desktops natively integrated in IGEL OS 10.03.500 and later
- Citrix Cloud natively integrated in IGEL OS 10.03.500 and later
- Microsoft Azure Virtual Desktop (AVD) natively integrated in IGEL OS 11.08.200 and later

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- Microsoft Remote Desktop natively integrated in IGEL OS 10.03.500 and later

IGEL OS 12

Compatible technologies (deviceTRUST Client Extension):

- Citrix Virtual Apps and Desktops available for IGEL OS 12.01.120 and later -1.
- Citrix Cloud natively integrated available for IGEL OS 12.01.120 and later -1.
- Microsoft Azure Virtual Desktop (AVD) available for IGEL OS 12.01.120 and later -1.

NOTE:

1- The deviceTRUST Client Extension can be installed from the IGEL App Portal.

Microsoft Windows

Compatible operating systems (deviceTRUST Agent and Console):

- Microsoft Windows 10 and later
- Microsoft Windows Server 2012 R2 and later

Compatible operating systems (deviceTRUST Client Extension):

- Microsoft Windows 10 and later
- Microsoft Windows Server 2012 R2 and later

Compatible technologies:

- Azure Virtual Desktop
- Azure Active Directory
- Citrix Virtual Apps and Desktops
- Citrix Cloud
- Microsoft Remote Desktop Services

Stratodesk NoTouch

Compatible technologies (deviceTRUST Client Extension):

- Citrix Virtual Apps and Desktops on NoTouch OS 3.4.516 and later
- Citrix Cloud on NoTouch OS 3.4.516 and later

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- Microsoft Remote Desktop on NoTouch OS 3.4.516 and later

Ubuntu Desktop

Compatible operating systems (deviceTRUST Client Extension):

- Ubuntu Desktop 18.04 LTS and later

Compatible technologies:

- Citrix Virtual Apps and Desktops
- Citrix Cloud
- Microsoft Remote Desktop Services (via FreeRDP 2)

eLux®

Compatible technologies (deviceTRUST Client Extension):

- Citrix Virtual Apps and Desktops natively integrated in eLux 7
- Citrix Cloud natively integrated in eLux 7

Platform Compatibility

- Citrix Systems
- Microsoft

Citrix Systems

Compatible technologies:

- Citrix Virtual Apps and Desktops™
- Citrix Cloud™

Compatible operating systems:

- Apple iOS 13.x and later
- Apple iPadOS 13.x and later
- Apple macOS 10.15 and later
- IGEL OS 10.03.500 and later
- Microsoft Windows 10 and later

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- Microsoft Windows Server 2012 R2 and later
- Stratodesk NoTouch OS 3.4.516 and later
- Ubuntu Desktop 18.04 LTS and later
- eLux® 7

NOTE:

Compatibility with HTML5 delivered apps and desktops is not yet available.

Microsoft

Compatible technologies:

- Microsoft Remote Desktop Services
- Azure Virtual Desktop
- Azure Active Directory

Compatible operating systems:

- Apple iOS 13.x and later
- Apple iPadOS 13.x and later
- Apple macOS 10.15 and later (via FreeRDP 2)
- IGEL OS 11.08.200 or later
- Microsoft Windows 10 and later
- Microsoft Windows Server 2012 and later
- Ubuntu Desktop 18.04 LTS and later (via FreeRDP 2)

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NOTE:

- Compatibility with Azure Virtual Desktop is available on Microsoft Windows and IGEL OS only.
- Compatibility with Azure Active Directory provided by deviceTRUST® Agent on Microsoft Windows only.
- Compatibility with previous IGEL OS releases is available by contacting deviceTRUST Support. Compatibility with IGEL OS 12 is currently limited to Azure Virtual Desktop.

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Getting Started

deviceTRUST® requires some simple but essential configuration steps to be performed to enable deviceTRUST functionality for your remoting environments or for your local devices.

Scenario: Remote

In remote scenarios, deviceTRUST transports the context information from the users remote device into the virtual session where the configuration is enforced. Please visit Getting Started for Remote Devices to begin the guide.

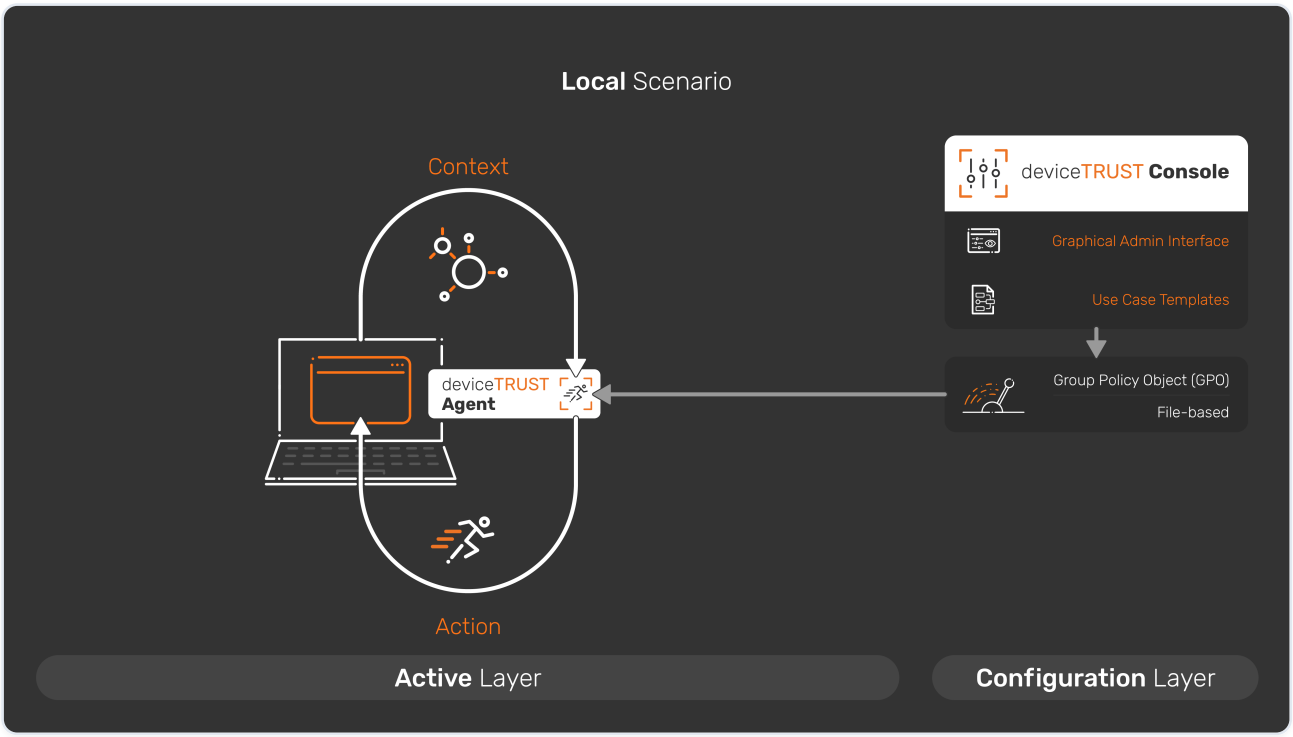
Scenario: Local

In local scenarios, deviceTRUST collects context information and executes actions locally. Please visit Getting Started for Local Devices to begin the guide.

Getting Started for Local

deviceTRUST® requires some simple but essential configuration steps to be performed to enable deviceTRUST functionality for your local devices. We will guide you step-by-step through simple deviceTRUST installation and configuration steps to enable deviceTRUST with an unauthorized USB drives use case for your local devices.

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We will perform the following steps:

- Step 1: Download the deviceTRUST setup binaries
- Step 2: Install the deviceTRUST Agent
- Step 3: Install the deviceTRUST Console
- Step 4: Enter your deviceTRUST License
- Step 5: Create and apply a file based configuration
- Step 6: Test the Unauthorized USB Device use case

Step 1: Download the deviceTRUST setup binaries

The latest deviceTRUST software can be found on our Download page and your personalized license can be found within your product license certificate.

Step 2: Install the deviceTRUST Agent

Start the installation of the deviceTRUST Agent on your local device. Follow the steps in the section Installing the Agent to complete the installation.

Step 3: Install the deviceTRUST Console

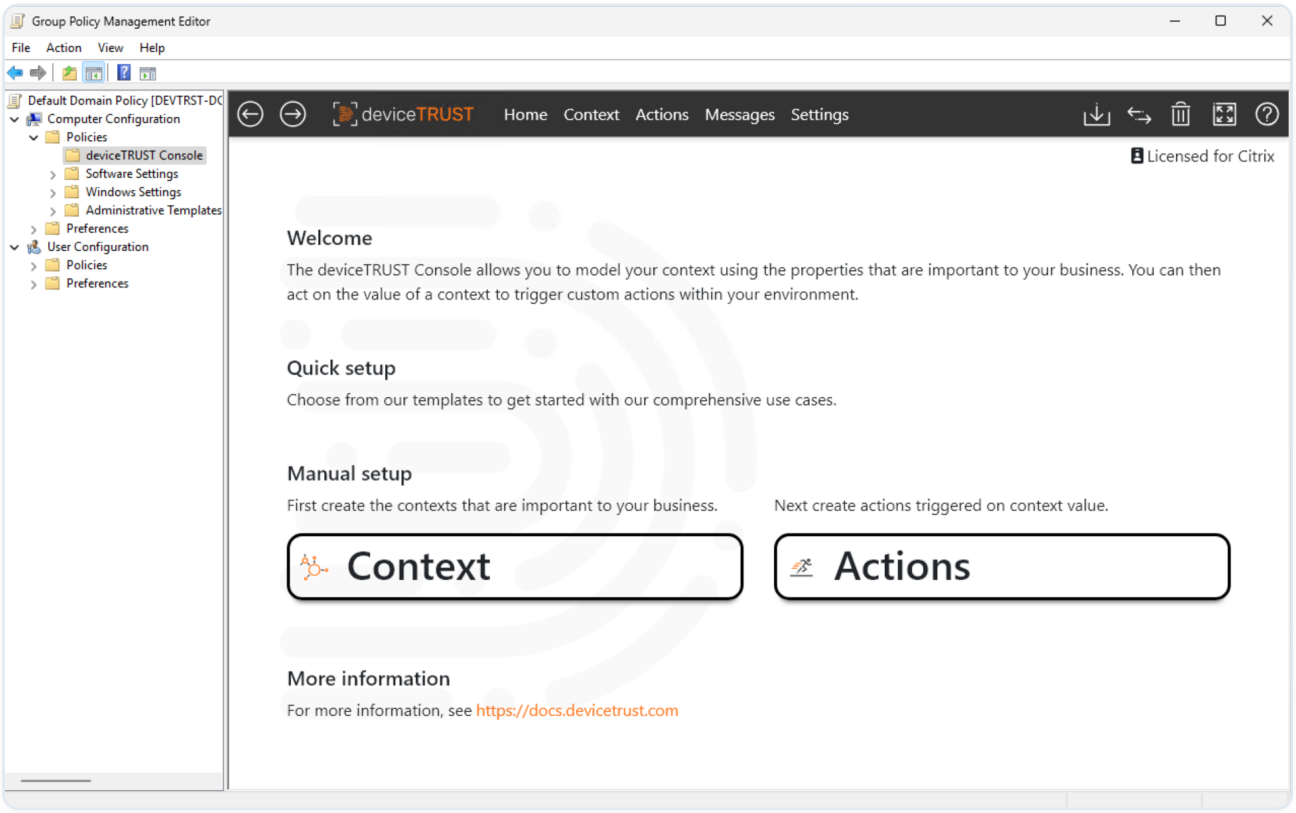
To configure and to apply contextual security policies to the deviceTRUST Agent you need to use the deviceTRUST Console. The deviceTRUST Console supports various ways to provide the

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contextual security policies to the deviceTRUST Agent. Those options are using the Local Policy Editor, a Group Policy Object (GPO) or file-based.

Within the Getting Started Guide, for simplicity, we use the Local Policy Editor to quickly and efficiently create, edit, and use contextual security policies. Follow the steps in the section Installing the Console to complete the installation.

The deviceTRUST Console includes a node within the Local Policy Editor `COMPUTER CONFIGURATION\DEVICETRUST CONSOLE` which can be used to model the context of a user, and then act on changes to that context by triggering custom actions within your environment.

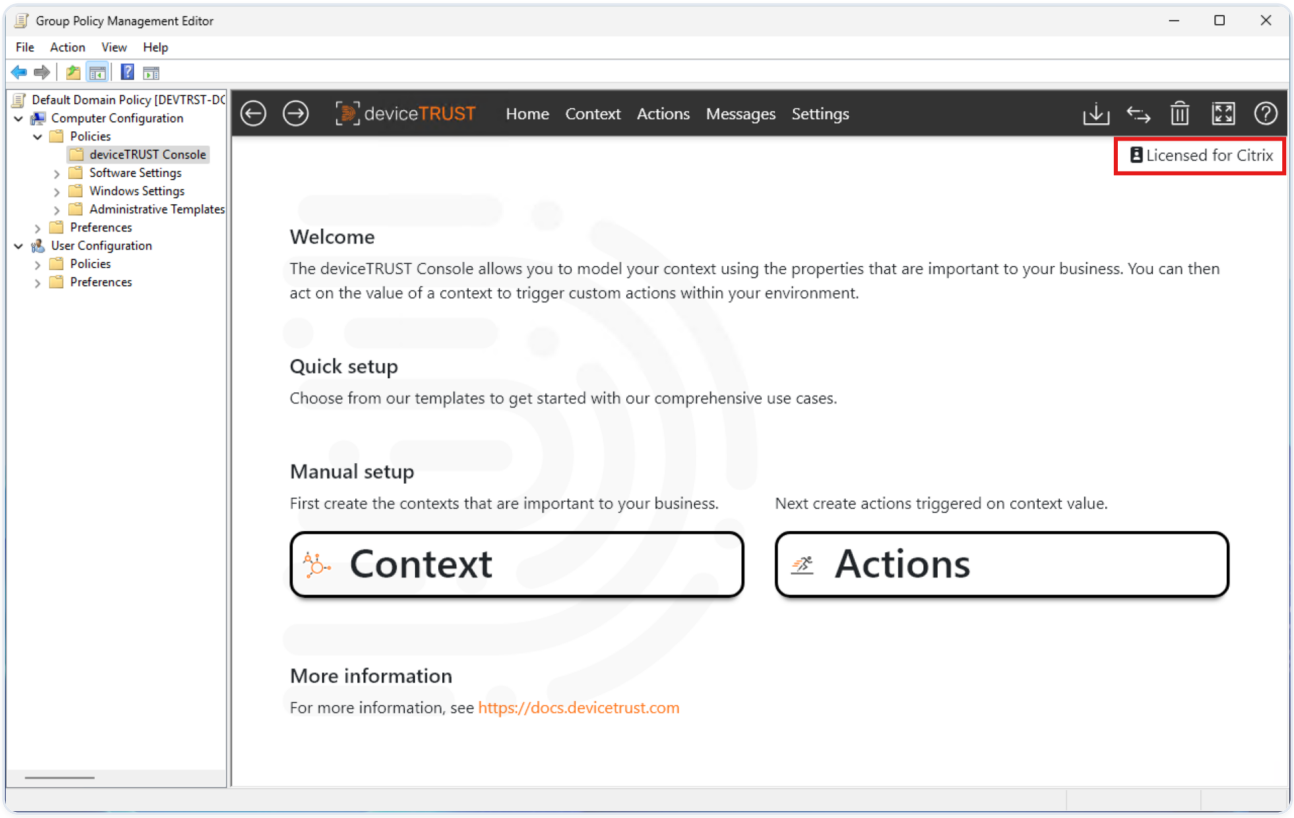


Step 4: Enter your deviceTRUST License

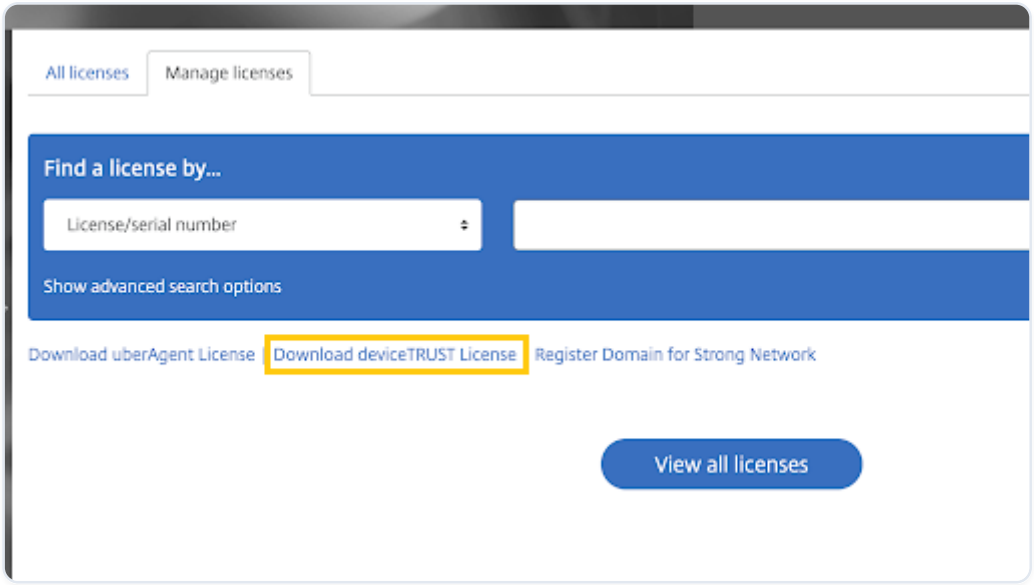
Adding a deviceTRUST license is only necessary in a non CVAD environment.

To add the license into the deviceTRUST contextual security policy open the Local Policy Editor and navigate to `DEVICETRUST CONSOLE` and click on the `LICENSED FOR CITRIX` link on the homepage.

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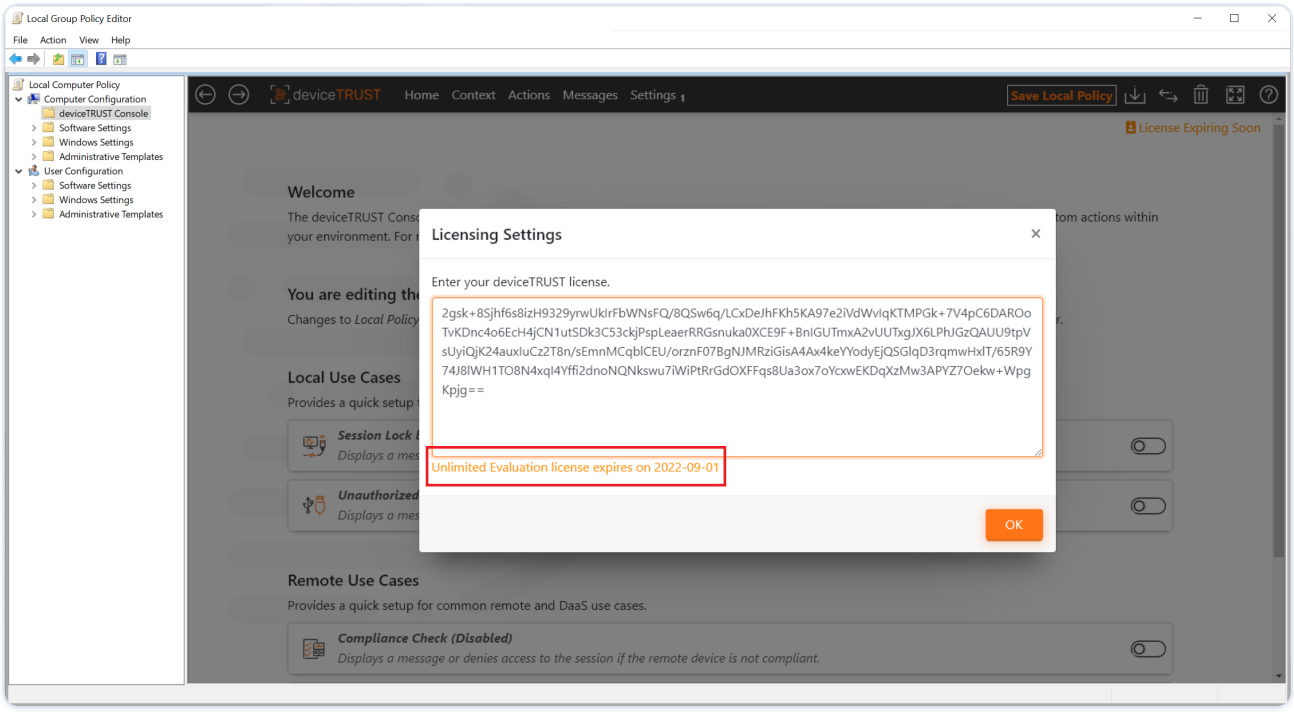


Dependent on your license, your individual deviceTRUST license can be found in your MyCitrix Portal.

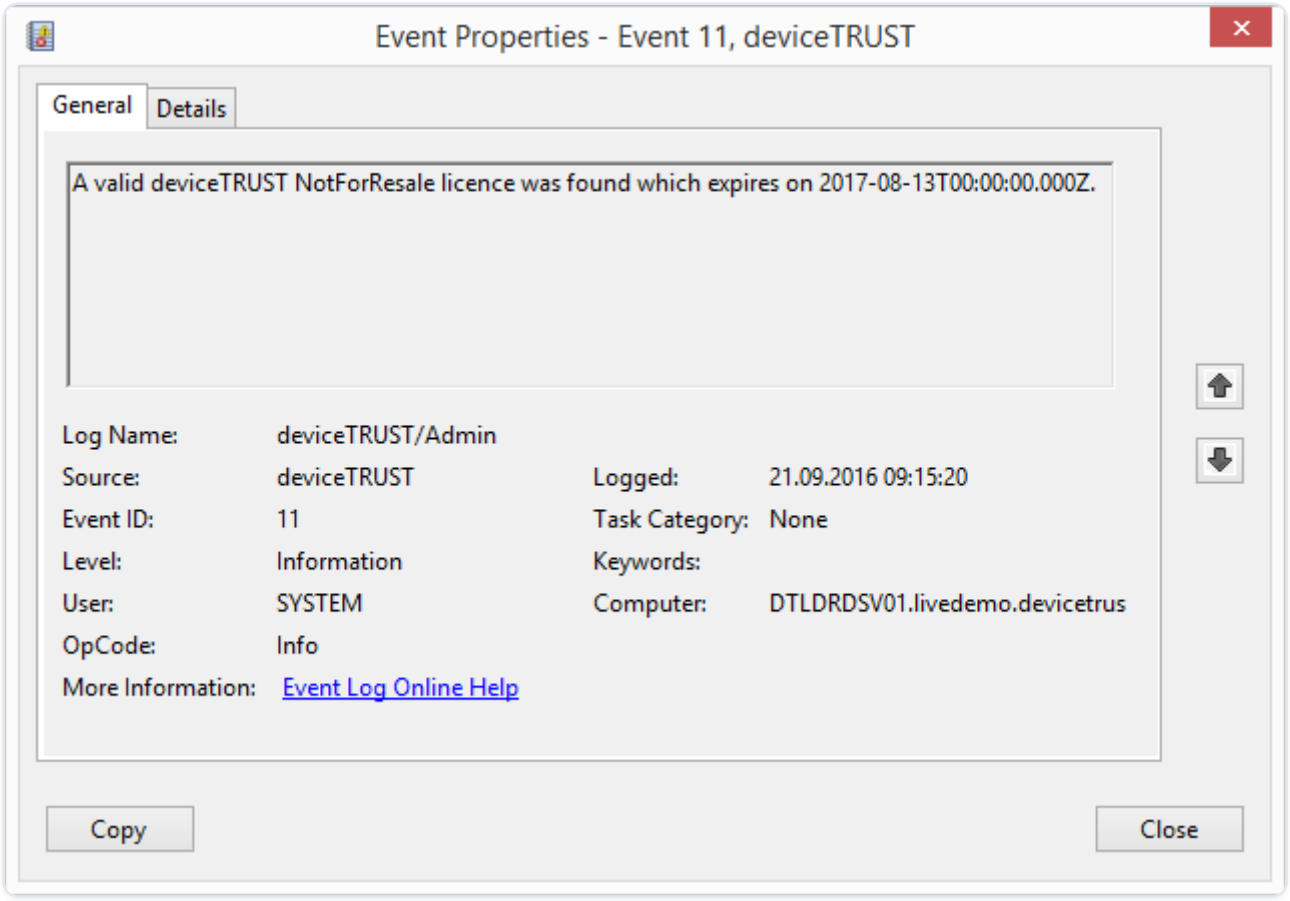


Enter your deviceTRUST license and make sure it is valid. Close the license editor with `OK` and click on `SAVE TO LOCAL COMPUTER POLICY` in the top right toolbar.

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deviceTRUST is now enabled and will work for all users except local administrators connecting to that remoting or DaaS host system with deviceTRUST Agent installed. To check if you have added a valid deviceTRUST license, open the Windows Event Log and navigate to `APPLICATION AND SERVICE LOGS\DEVICETRUST\ADMIN` and check for the existence of event ID 11 which states that your deviceTRUST license is valid.

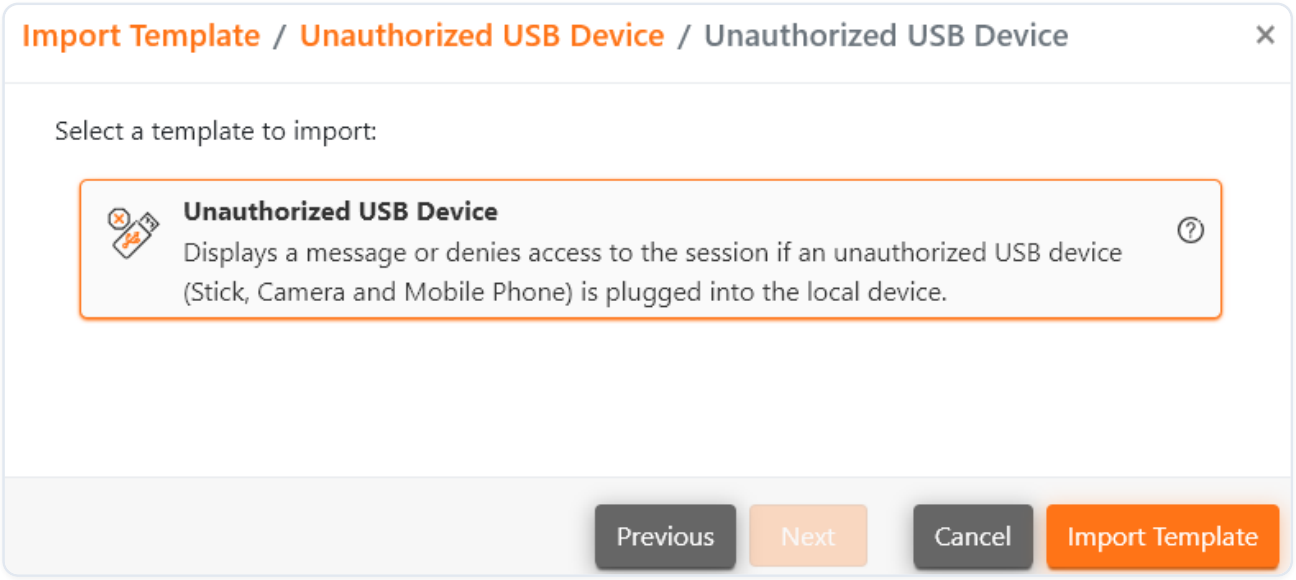


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Step 5: Create and apply a file based configuration

We will use the deviceTRUST Console to create a contextual security policy that makes access to the session dependent on whether the USB device being used has been authorized. The deviceTRUST Console includes a set of use cases which can be used to quickly implement a use case. Launch the deviceTRUST Console and create a New Policy.

Select `Sharing` top right and click `Import Template`, `Local`, `Unauthorized USB Device`, `Unauthorized USB Device` and confirm with `Import Template` at the bottom.

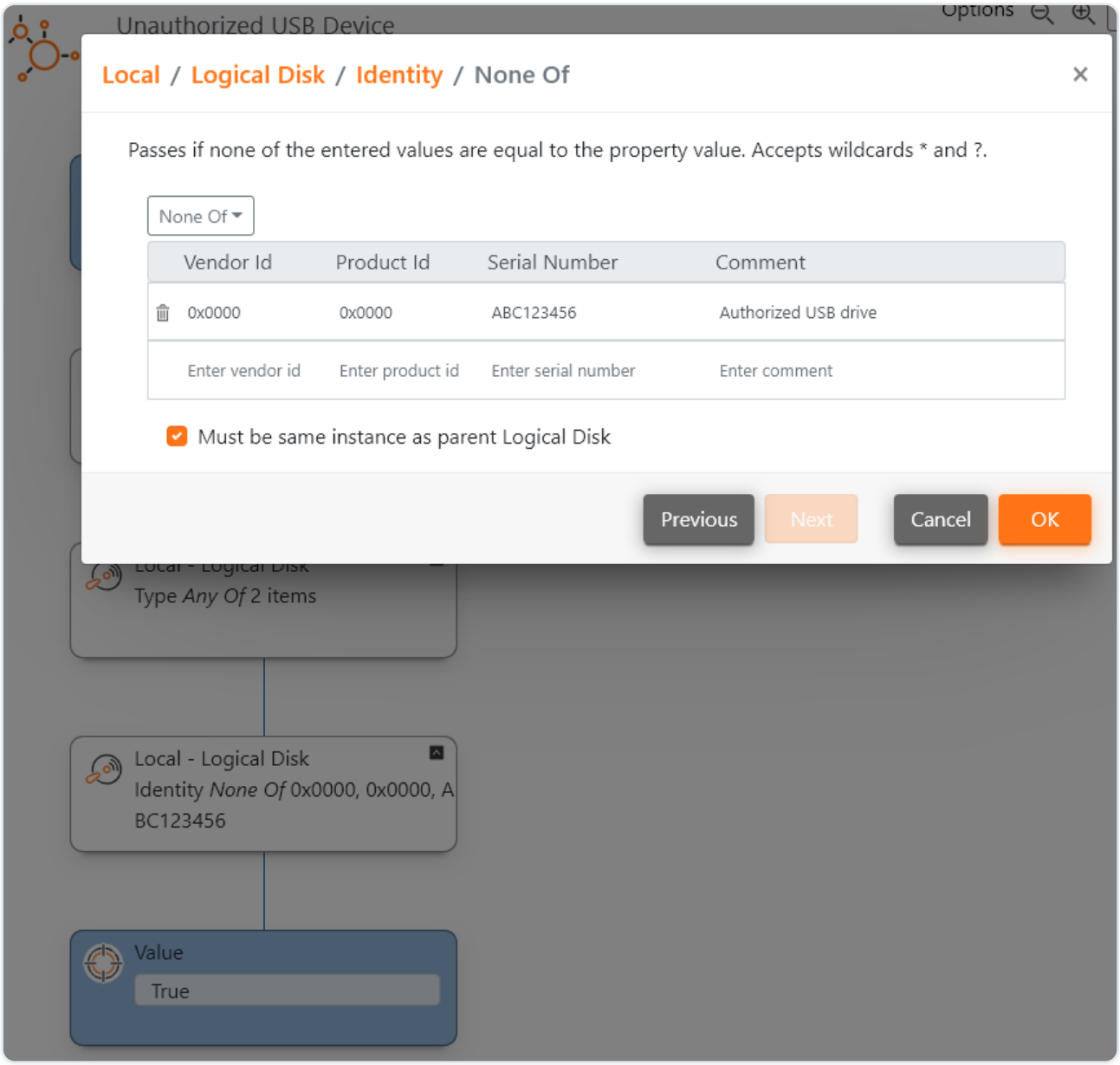


A confirmation of the successful import apears, confirm with `OK`.

At the top of the console you´ll find the count of configured Context, Actions, Messages, Settings.

Select `Context`, `Unauthorized USB Device` and click on the 3rd white property box `Local / Logical Disk / Identity / None of`.

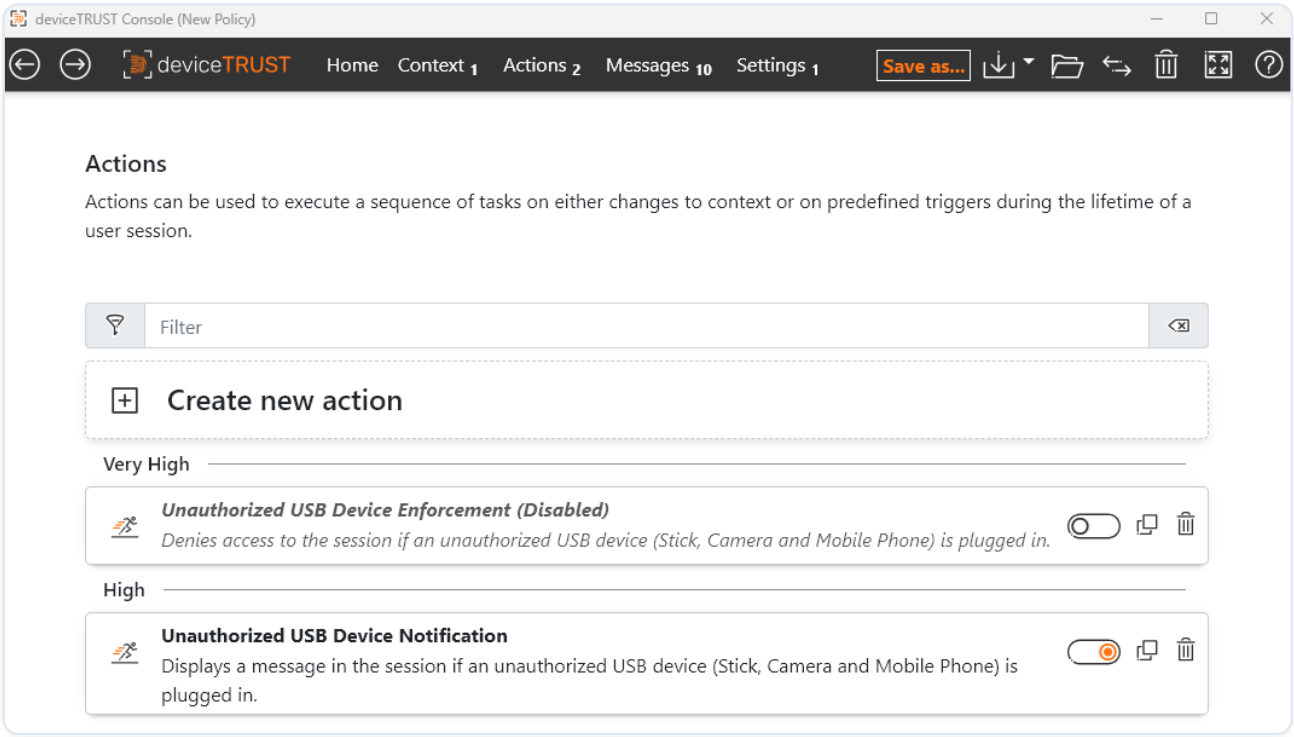
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Add allowed USB drives line by line, other USB drives will be seen as unauthorized, and confirm with `OK`.

Select `Actions` and see one active (Unauthorized USB Device Notification) and one disabled (Unauthorized USB Device - Enforcement) action. Depending on whether you only want to inform about the execution of the policy or block access, select what should be active using the Enable/Disable toggle on the right side of the respective action.

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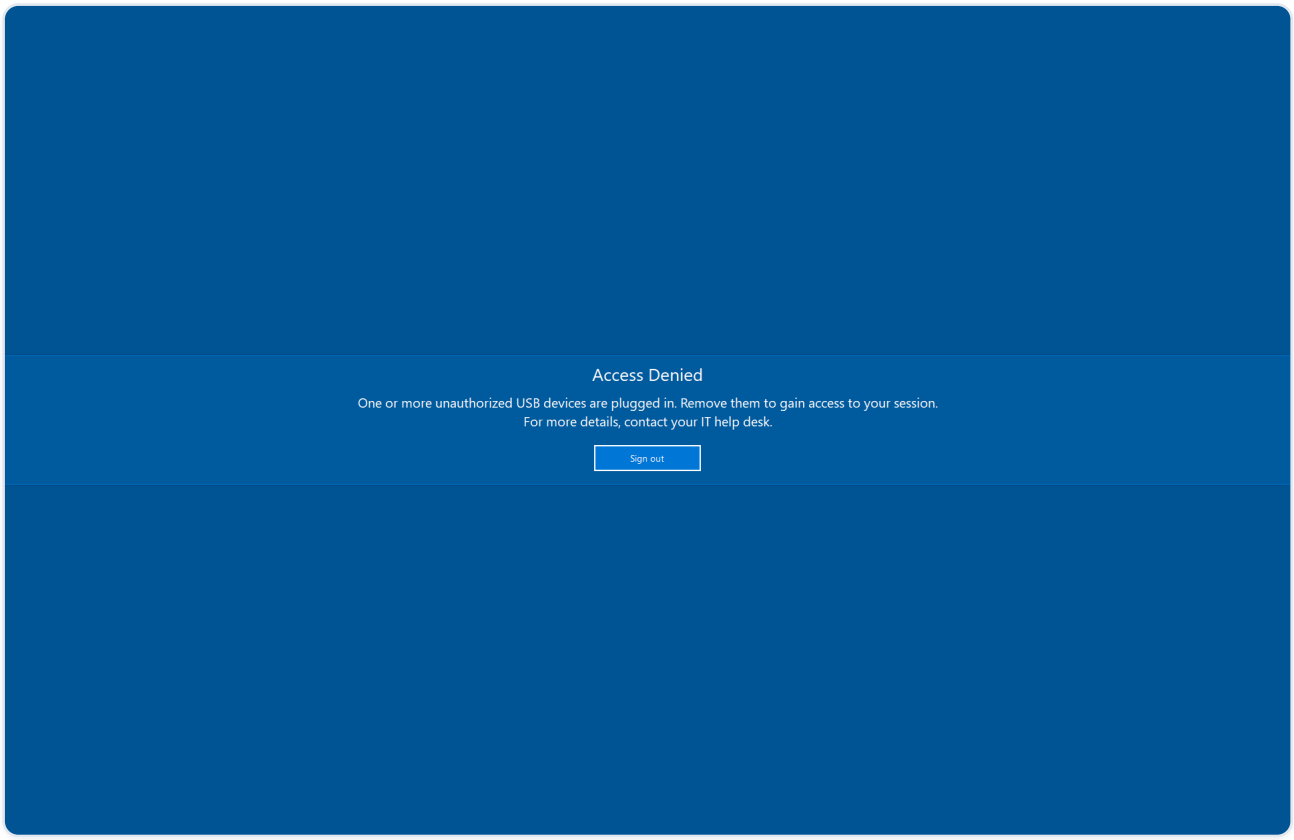


Save the policy whether as `Local Policy` or `File-Based Policy`. Check Policy Loading to find the correct folder to save file-based policies.

Step 6: Test the Unauthorized USB Device use case

Sign in with a non-administrative user account to the local device and then plug in an authorized USB device at runtime. The authorized USB device is displayed in Windows Explorer and can be used. Now plug in an unauthorized USB device in addition or exclusively to see how deviceTRUST can easily and dynamically control access to the session depending on the USB device in use.

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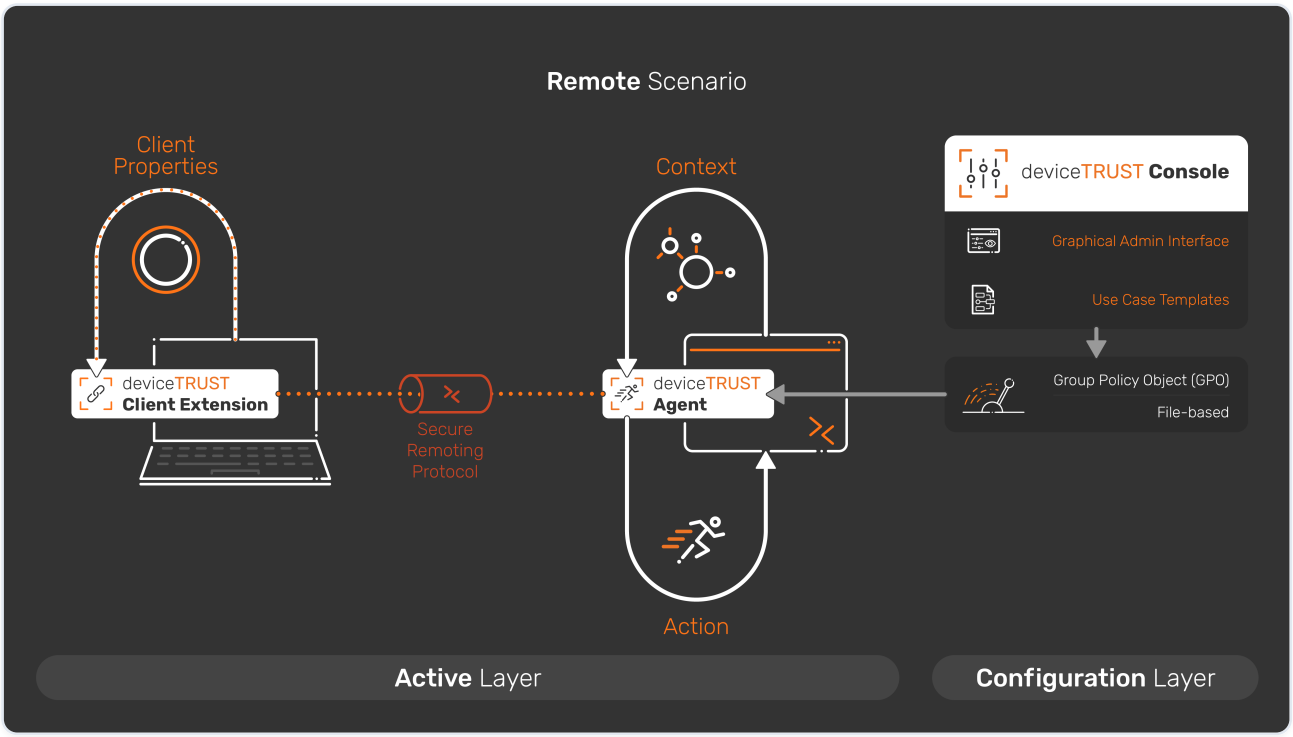
Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Getting Started for Remote

deviceTRUST® requires some simple but essential configuration steps to be performed to enable deviceTRUST functionality for your remote environments. We will guide you step-by-step through simple deviceTRUST installation and configuration steps to enable deviceTRUST with a simple use case within your remote environment.

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We will perform the following steps:

- Prerequisites
- Option 1: Citrix® installation packages
  - 1.1: Download the Citrix product software
  - Step 1.2: Install the xdeviceTRUST Client Extension on a Microsoft Windows device
- Option 2: Manual installation
  - Step 2.1: Download the deviceTRUST setup binaries
  - Step 2.2: Install the deviceTRUST Agent
  - Step 2.3: Install the deviceTRUST Console
  - Step 2.4: Enter your deviceTRUST License
  - Step 2.5: Install the deviceTRUST Client Extension on a Microsoft Windows device
- Set up a simple use case
  - Step 1: Create and apply a file based configuration
  - Step 2: Check the access to your VDA when the deviceTRUST Client Extension is not installed
  - Step 3: Test the Compliance Check use case from a Microsoft Windows device

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Prerequisites

Before getting started with deviceTRUST in a remote access environment, make sure the following components are available:

- **Windows session host (VDA):**

  At least one Windows session host with the deviceTRUST Agent installed. (Included in Citrix Virtual Apps and Desktops™ 2503 or later)

- **Endpoint device:**

  At least one endpoint (e.g., Windows 11) with the deviceTRUST Client Extension installed. (Included in Citrix Workspace™ App 2503 or later)

- **Policy management device:**

  A Windows device used to install the deviceTRUST Console and provide the deviceTRUST policy. Choose one of the following options to deploy the policy:

  - **Option 1 – Group Policy (GPO):** The Windows device must have permission to create and edit a GPO for the session host.
  - **Option 2 – File-based policy deployment:** An administrative user must transfer the deviceTRUST policy from the Windows device to the session host at: C:\ProgramData\deviceTRUST\Policy (The deviceTRUST Console is available on the Citrix Virtual Apps and Desktops 2503 or later Product ISO within the ‘x64\deviceTRUST’ folder)

- **Citrix Policy Management:**

  An administrative user must be available to create and edit Citrix Policies using Citrix Studio or Web Studio.

- **Test user account:**

  A non-administrative user for testing access from the endpoint to the session host.

If you plan to use deviceTRUST in combination with other tools (e.g. Microsoft AppLocker or FSLogix App Masking), ensure that these components are installed and working properly. If deviceTRUST is intended to take over functionality previously managed by other tools (e.g. clipboard redirection via Citrix Policy), make sure those features are disabled or unconfigured to avoid conflicts.

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Option 1: Citrix installation packages

1.1: Download the Citrix product software

The deviceTRUST software is included from Citrix Virtual Apps™ and Desktop 7 2503.

Follow the VDA installation guide to get the right version.

Step 1.2: Install the deviceTRUST Client Extension on a Microsoft Windows device

Follow the information on Installation Client Extension page.

Option 2: Manual installation

Step 2.1: Download the deviceTRUST setup binaries

The latest deviceTRUST software can be found on our Download page.

Step 2.2: Install the deviceTRUST Agent

Start the installation of the deviceTRUST Agent on your remoting or DaaS host system, which can be Citrix Virtual Apps and Desktops (CVAD), or Microsoft Remote Desktop Session Host (RDSH) . Follow the steps in the section Installing the Agent to complete the installation.

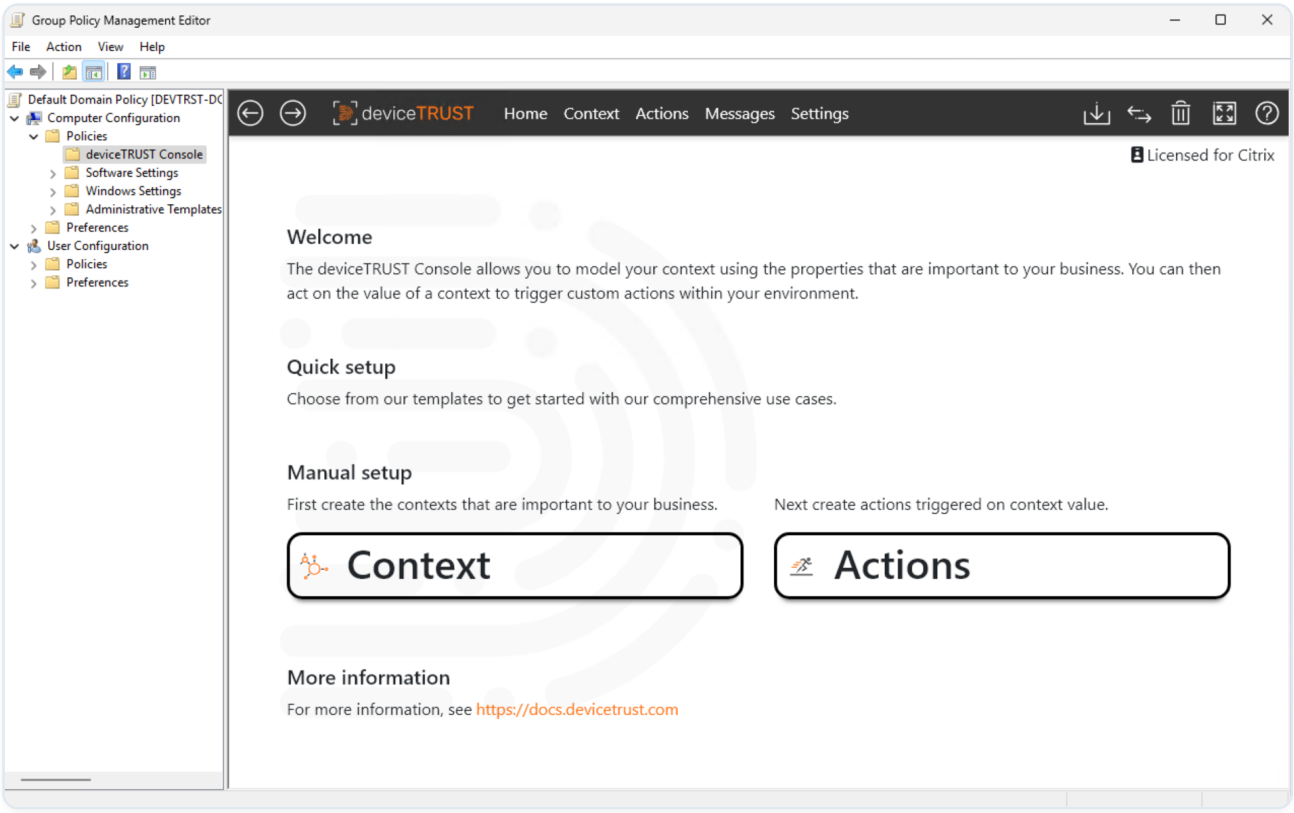
Step 2.3: Install the deviceTRUST Console

To configure and to apply contextual security policies to the deviceTRUST Agent you need to use the deviceTRUST Console. The deviceTRUST Console supports various ways to provide the contextual security policies to the deviceTRUST Agent. Those options are using the Local Policy Editor, a Group Policy Object (GPO) or file-based.

Within the Getting Started Guide, for simplicity, we use the Local Policy Editor to quickly and efficiently create, edit, and use contextual security policies. Follow the steps in the section Installing the Console to complete the installation.

The deviceTRUST Console includes a node within the Local Policy Editor `COMPUTER CONFIGURATION\DEVICETRUST CONSOLE` which can be used to model the context of a user, and then act on changes to that context by triggering custom actions within your environment.

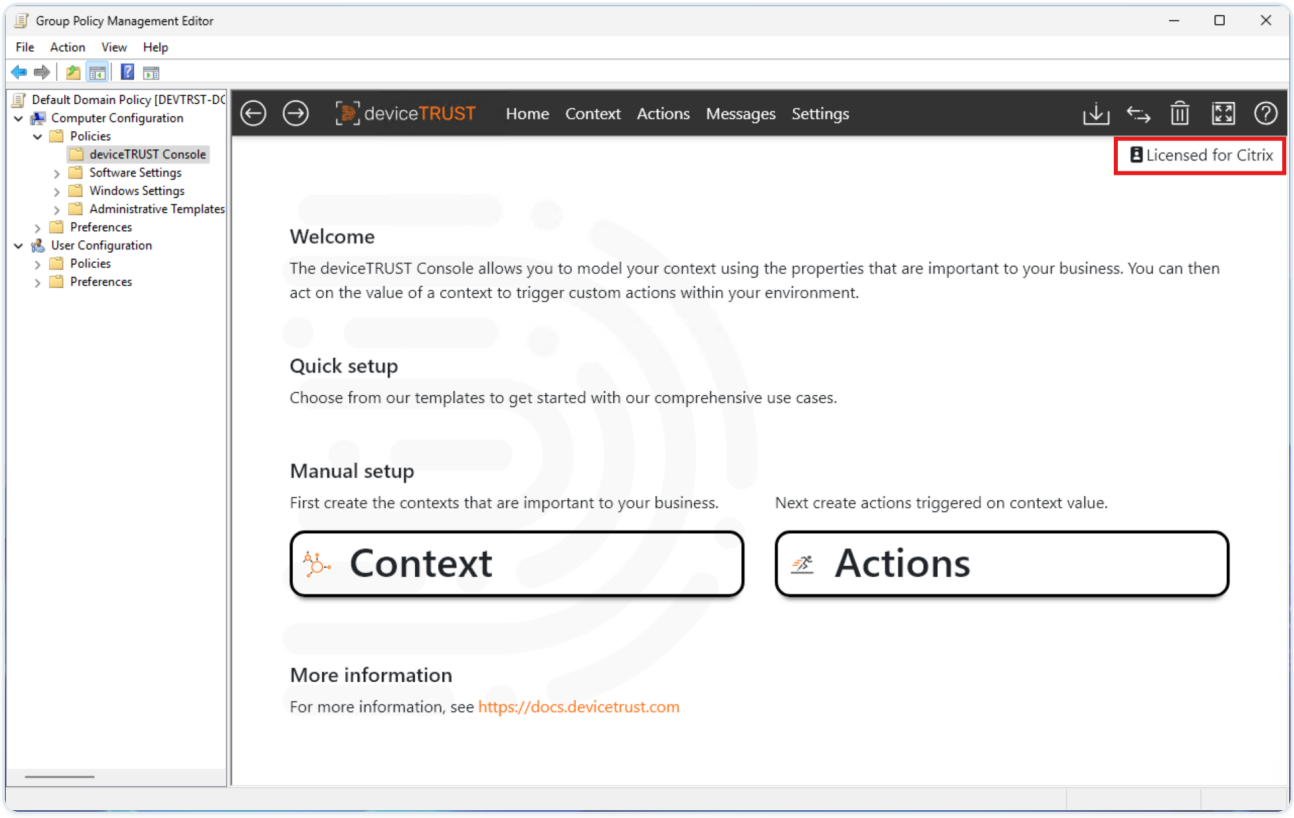
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Step 2.4: Enter your deviceTRUST License

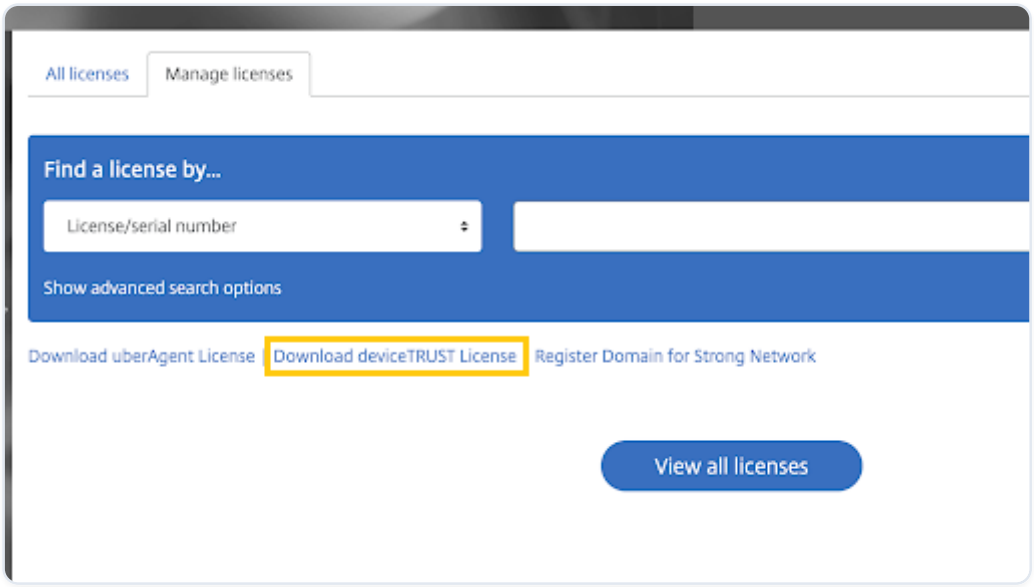
Adding a deviceTRUST license is only necessary in a non CVAD environment.

To add the license into the deviceTRUST contextual security policy open the Local Policy Editor and navigate to `DEVICETRUST CONSOLE` and click on the `UNLICENSED` link on the homepage.

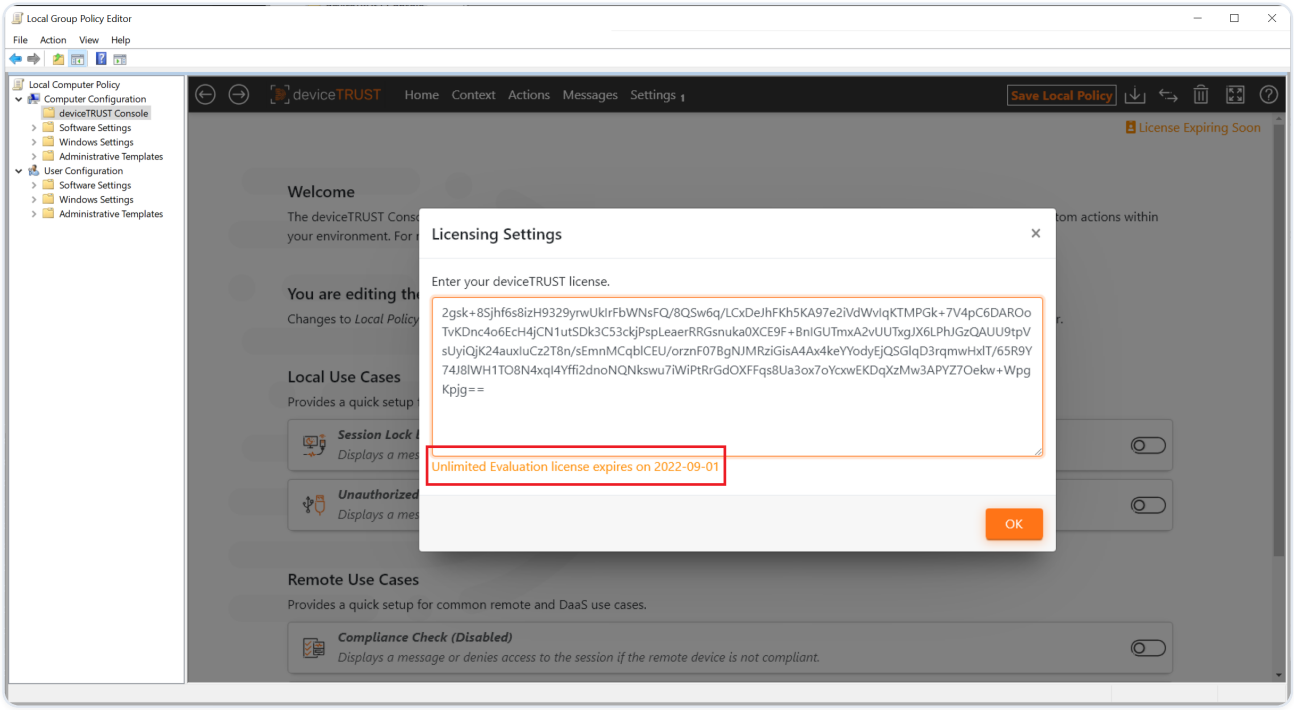


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Dependent on your license, your individual deviceTRUST license can be found in your MyCitrix Portal.

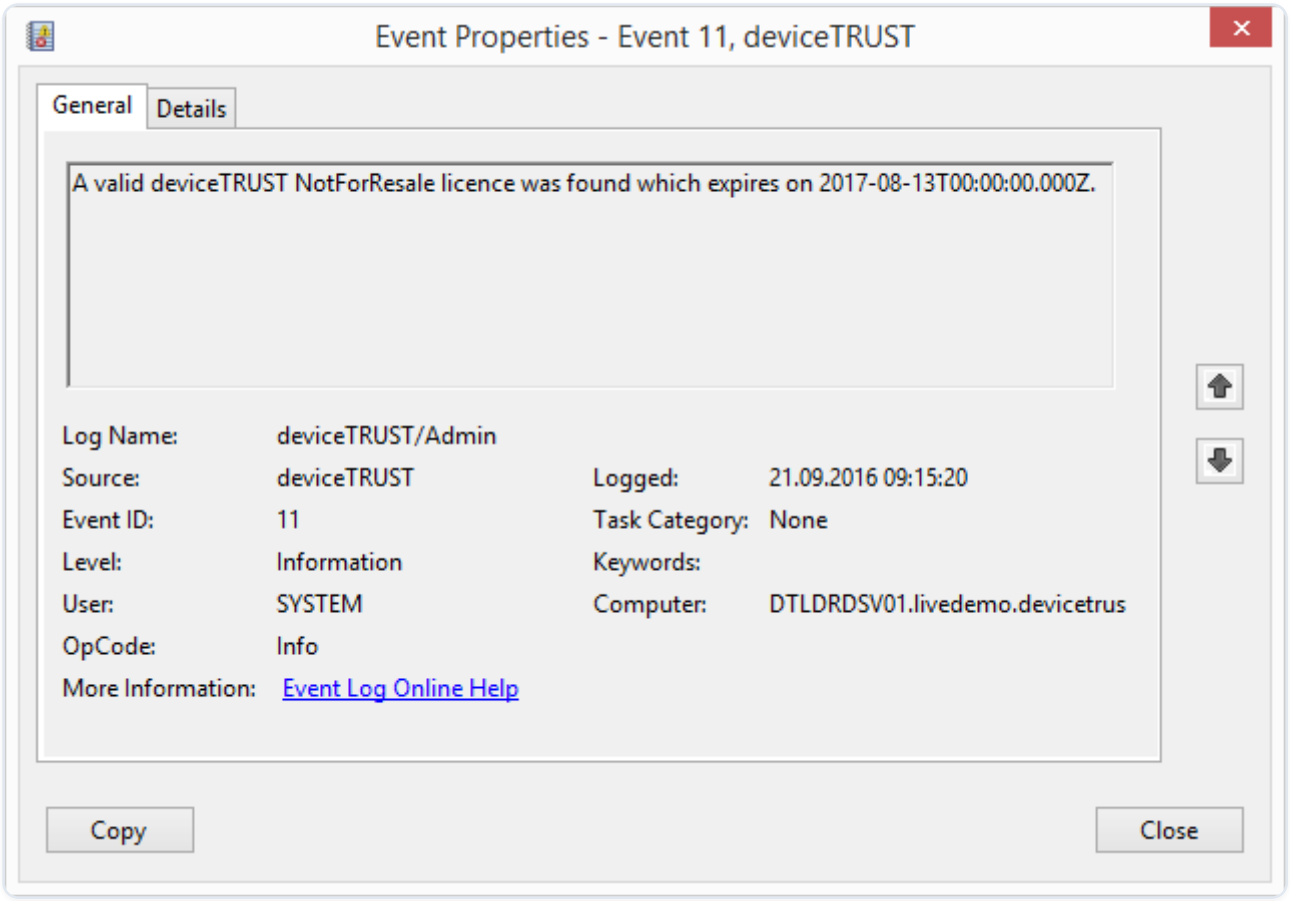


Enter your deviceTRUST license and make sure it is valid. Close the license editor with `OK` and click on `SAVE TO LOCAL COMPUTER POLICY` in the top right toolbar.



deviceTRUST is now enabled and will work for all users except local administrators connecting to that remoting or DaaS host system with deviceTRUST Agent installed. To check if you have added a valid deviceTRUST license, open the Windows Event Log and navigate to `APPLICATION AND SERVICE LOGS\DEVICETRUST\ADMIN` and check for the existence of event ID 11 which states that your deviceTRUST license is valid.

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Step 2.5: Install the deviceTRUST Client Extension on a Microsoft Windows device

Within the Getting Started Guide, for simplicity, we will only install the deviceTRUST Client Extension on a Microsoft Windows device. Other device operating systems are also supported and an overview of how to install the deviceTRUST Client Extension on the particular operating system can be found on the Installation Client Extension page. Now follow the steps in the section Installing the Client Extension on Microsoft Windows device to complete the installation.

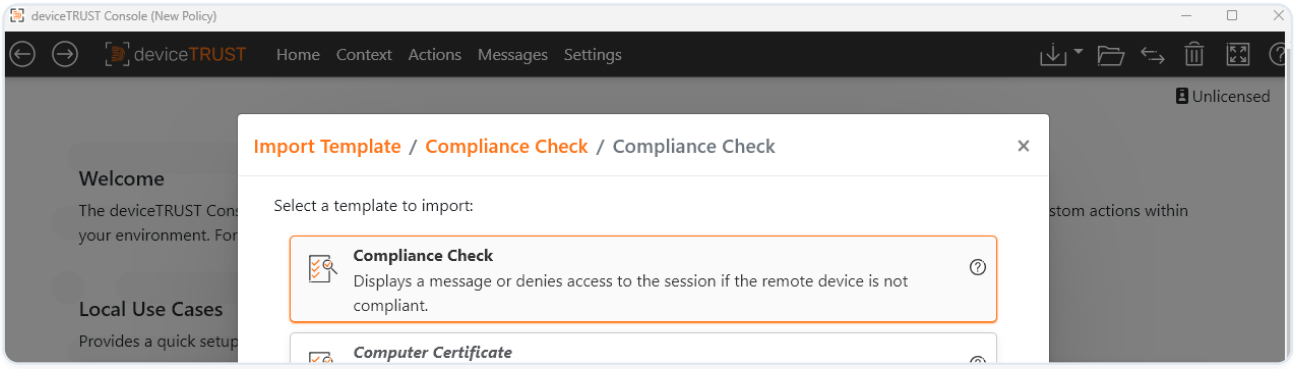
Set up a simple use case

Step 1: Create and apply a file based configuration

We will use the deviceTRUST Console to create a contextual security policy which controls access to the session depending upon the compliance state of the remote device. The deviceTRUST Console includes a set of use cases which can be used to quickly implement a use case. Launch the deviceTRUST Console and create a New Policy.

Select `Sharing` top right and click `Import Template`, `Compliance Check`, `Compliance Check` and confirm with `Import Template` at the bottom.

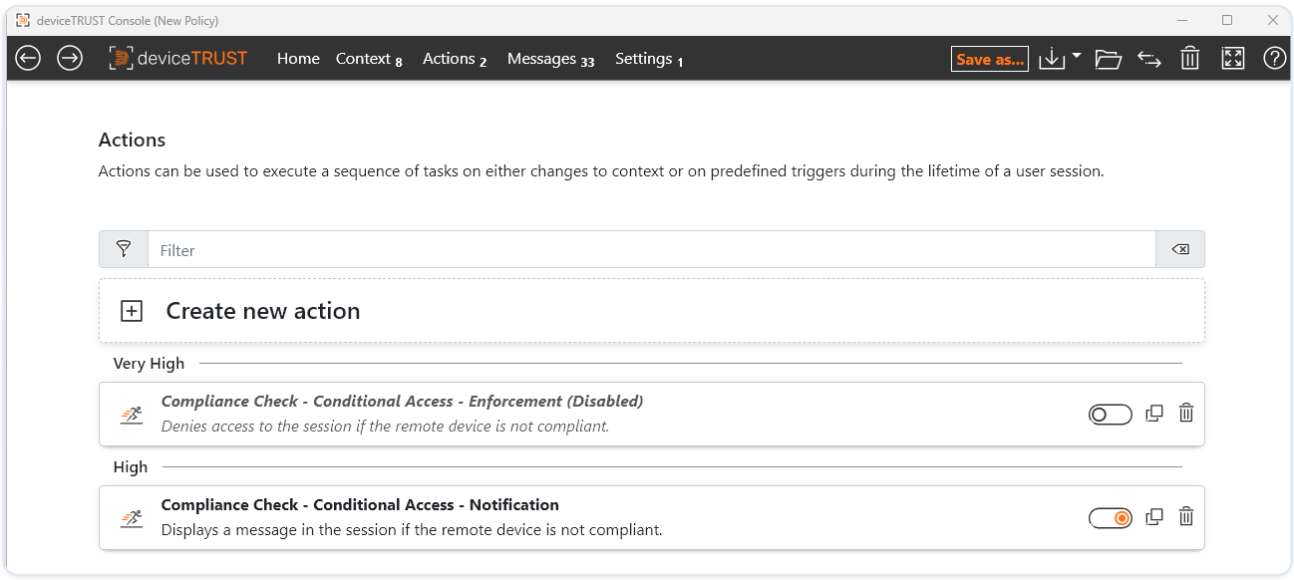
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A confirmation of the successful import apears, confirm with `OK`.

At the top of the console you´ll find the count of configured Context, Actions, Messages, Settings.

Select `Actions` and see one active (Compliance Check - Conditional Access - Notification) and one disabled (Compliance Check - Conditional Access - Enforcement) action. Depending on whether you only want to inform about the execution of the policy or block access, select what should be active using the Enable/Disable toggle on the right side of the respective action.

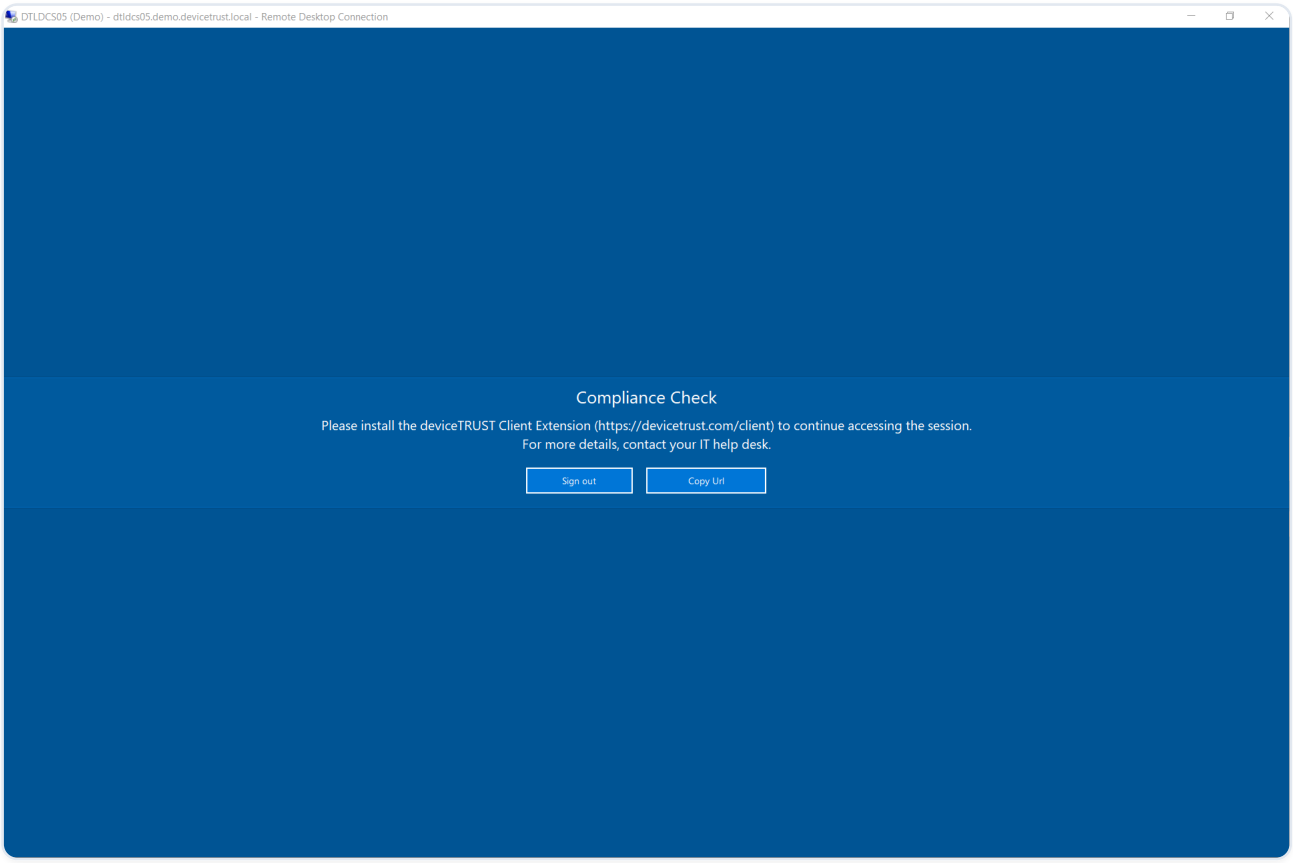


Save the policy whether as `Local Policy` or `File-Based Policy`. Check Policy Loading to find the correct folder to save file-based policies.

Step 2: Check the access to your VDA when the deviceTRUST Client Extension is not installed

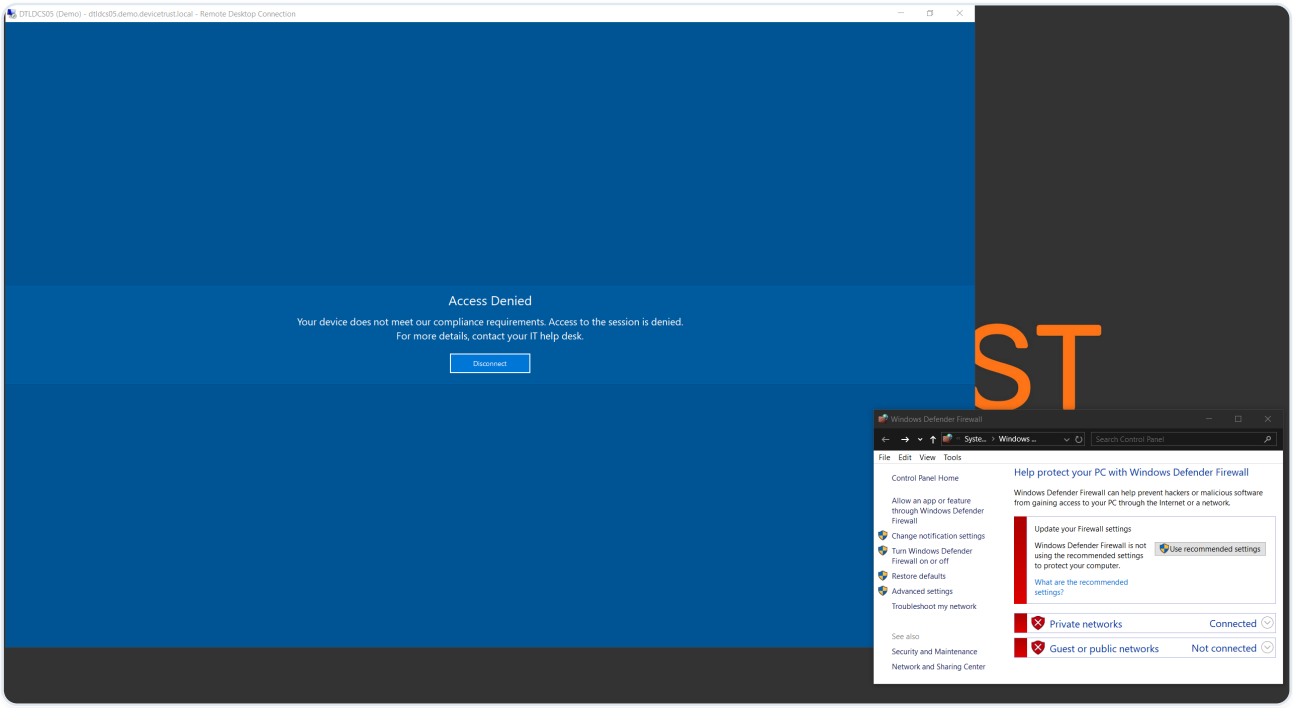
From a device without the deviceTRUST Client Extension installed, connect to your VDA. Because the remote device does not have an active deviceTRUST Client Extension, you´ll get a response according to your active Action, like the access will be denied with the following message:

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Step 3: Test the Compliance Check use case from a Microsoft Windows device

From a Microsoft Windows device with the deviceTRUST Client Extension installed, connect to your VDA. Toggle the state of the Windows Defender Firewall to see how deviceTRUST can simply and dynamically control access to the session depending on the firewall state of the remote device.



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Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

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Downloads

Download deviceTRUST® Client Extension 2603 for Microsoft Windows, Apple macOS and Ubuntu

The deviceTRUST Client Extension for Microsoft Windows, Apple macOS and Ubuntu is now installed by default as part of Citrix Workspace app when using release 2503 or later. This can be downloaded from Citrix Downloads.

Download deviceTRUST Client Extension 2603 for eLux® 7

The deviceTRUST Client Extension is available for eLux 7 as part of the Citrix Workspace app 2503 or later and is available to download on the myelux portal.

Download deviceTRUST Agent and Console 2603

The deviceTRUST Agent is installed by default as part of the Citrix Virtual Apps and Desktops VDA installation when using release 2503 or later. The deviceTRUST Console can be found within the Product ISO of Citrix Virtual Apps and Desktops 2503 or later, within the ‘x64\deviceTRUST’ folder. These can be downloaded from Citrix Downloads.

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Installation

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- Agent
- Console
- Client Extension
- Compatibility between components

Installing the deviceTRUST Agent

- Option 1: Install Citrix VDA 2503 or later
- Option 2: Manual Installation
- Option 3: Unattended Installation

Option 1: Install Citrix VDA 2503 or later

The deviceTRUST Agent is now installed by default as part of the Citrix Virtual Apps and Desktops VDA installation when using release 2503 or later. This can be downloaded from Citrix Downloads.

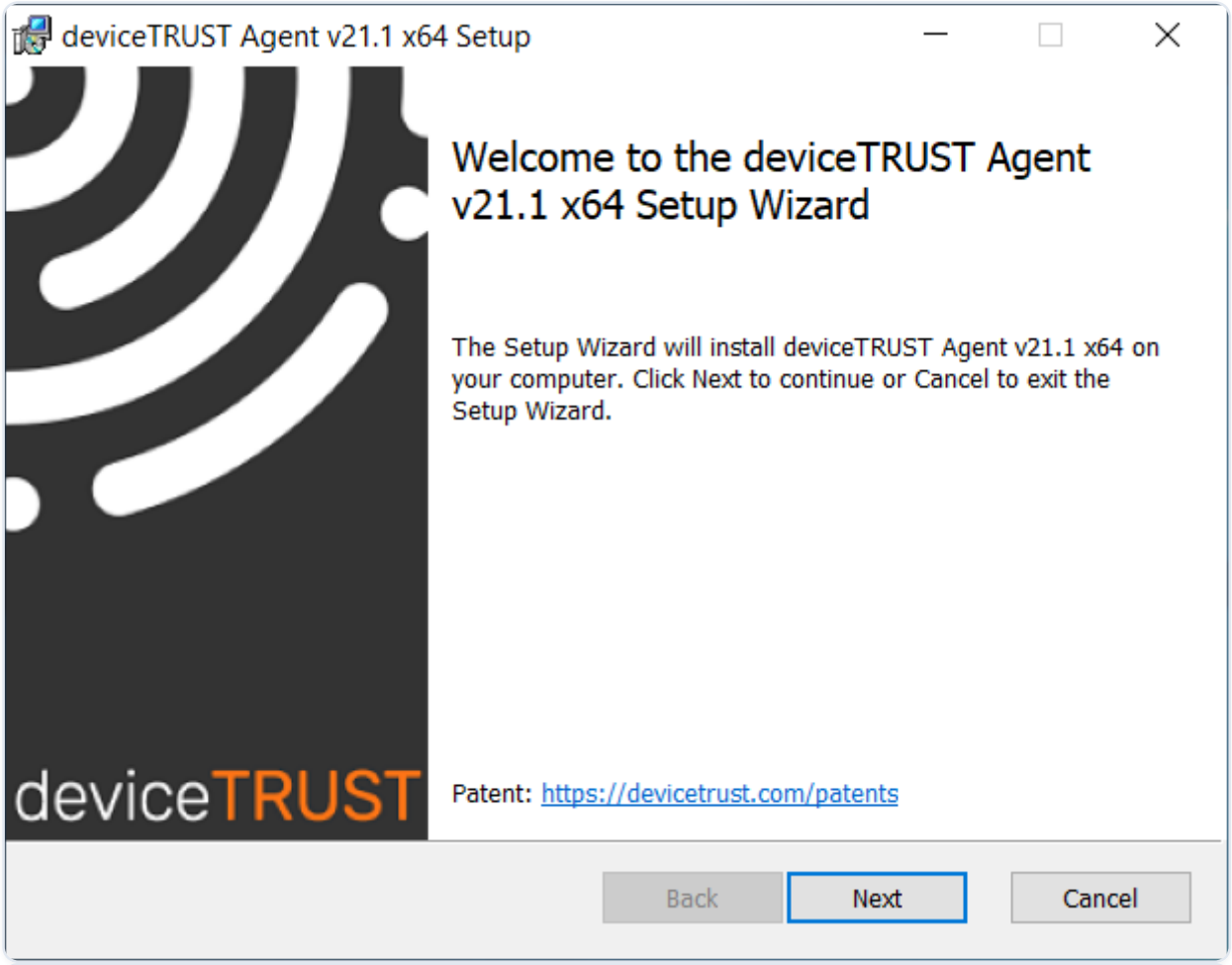
IMPORTANT:

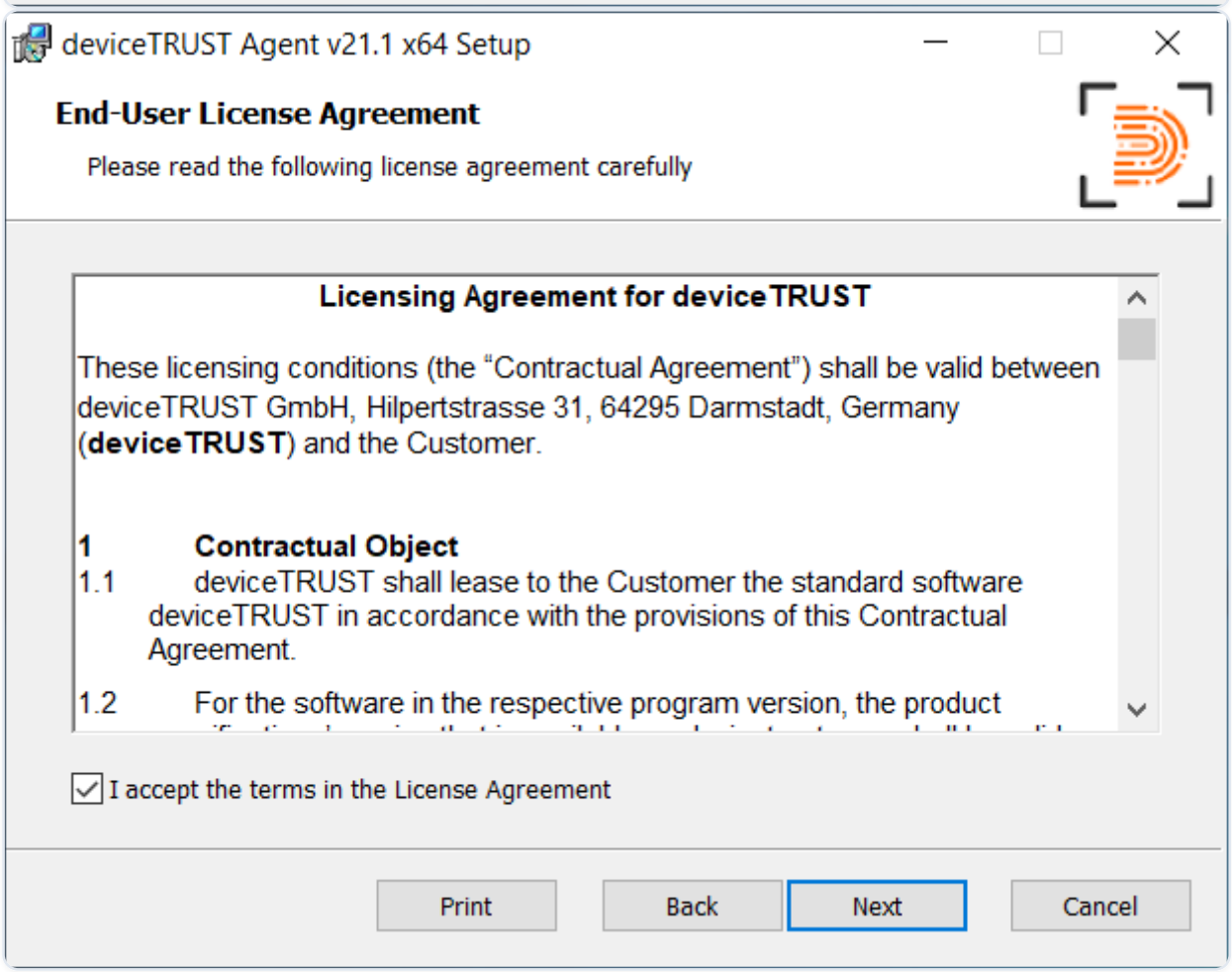
When using Citrix Virtual Apps and Desktops™, you may need to edit the Virtual channel allow list policy to allow the deviceTRUST Agent to open a virtual channel to the deviceTRUST Client Extension.

Option 2: Manual Installation

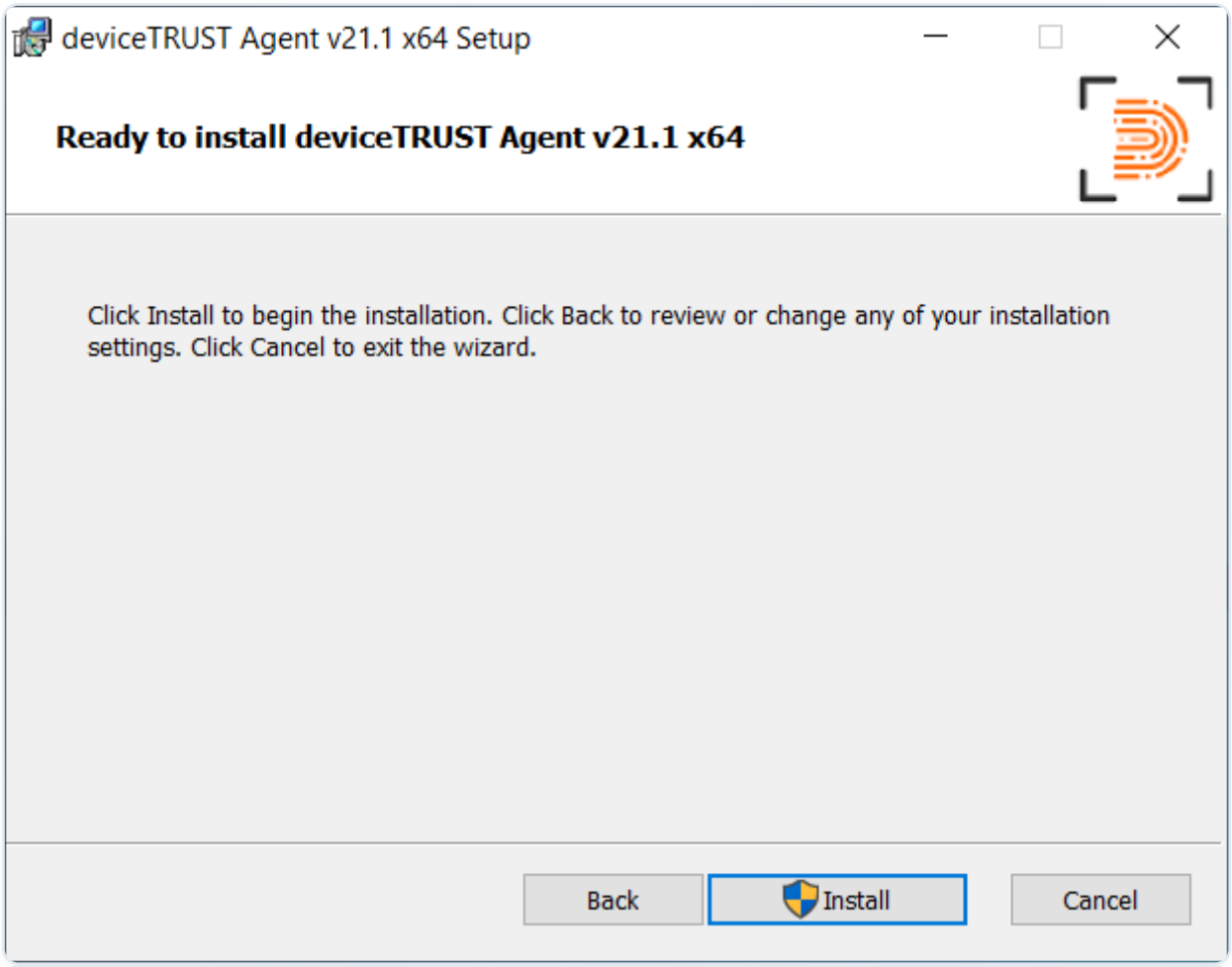
The deviceTRUST Agent requires a user account with local administrative privileges to install the deviceTRUST Agent on the target system. The installation can be performed by following the steps of the deviceTRUST Agent installer.

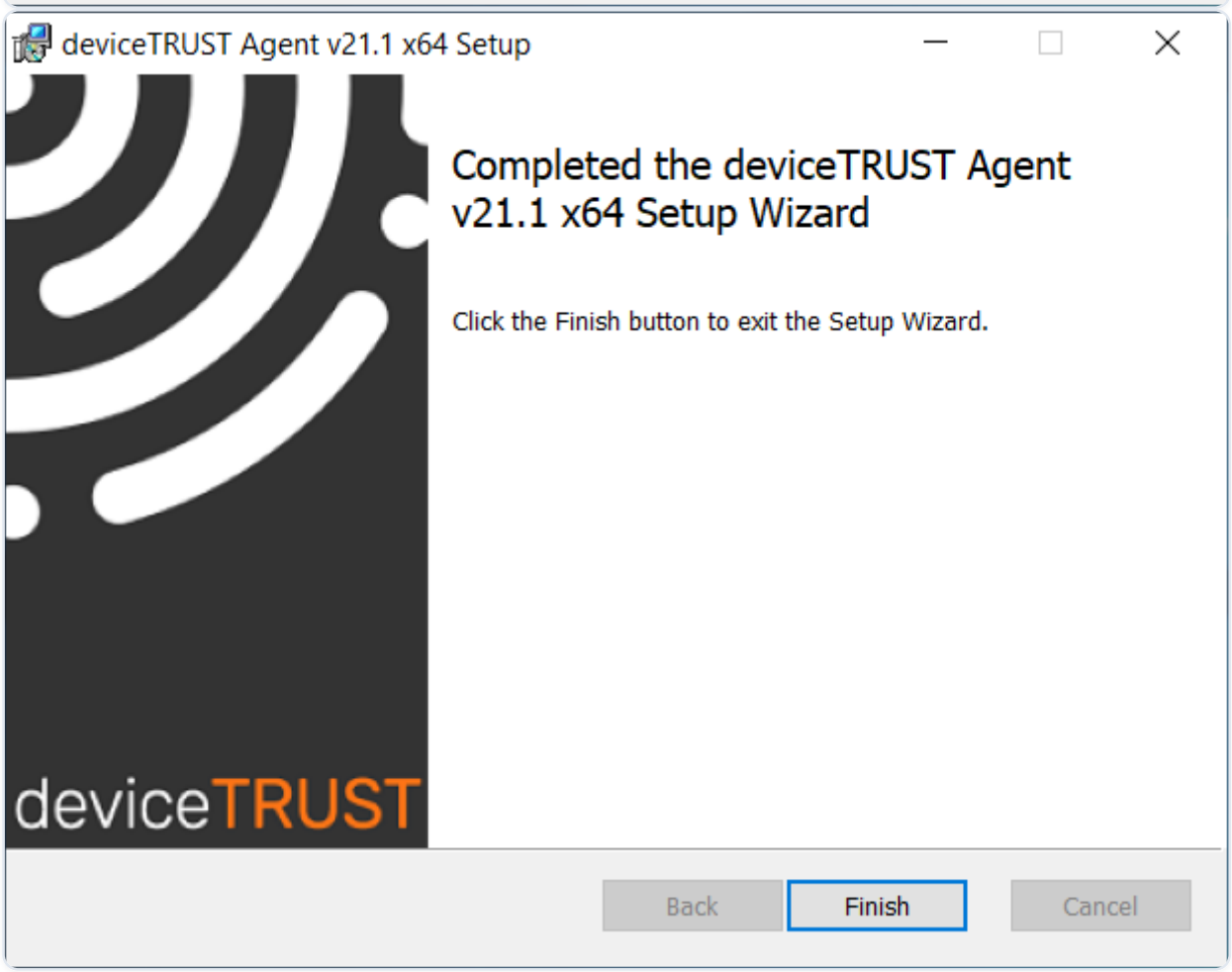
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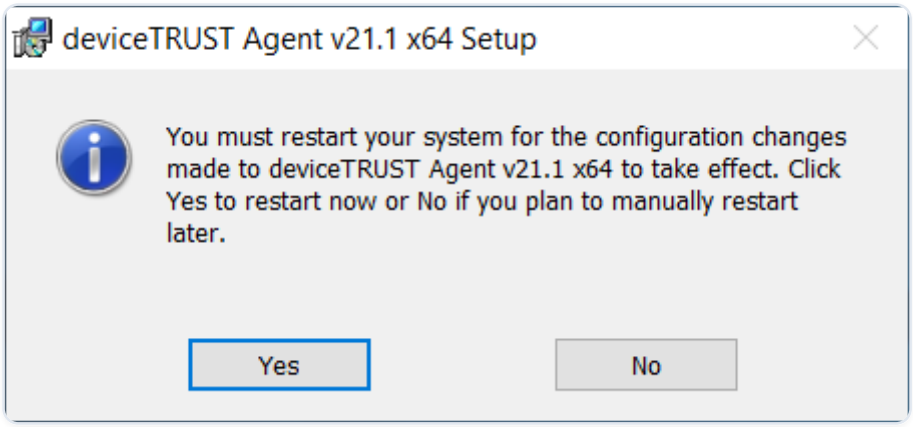


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IMPORTANT:

When using Citrix Virtual Apps and Desktops, you may need to edit the Virtual channel allow list policy to allow the deviceTRUST Agent to open a virtual channel to the deviceTRUST Client Extension.

Note:

- Installation path: %PROGRAMFILES%\Citrix\Agent
- If the installation of the deviceTRUST Agent has finished successfully, a reboot is required to enable deviceTRUST to get system notifications to act on.
- If the *Remote Desktop Services* server role is added after installing the deviceTRUST Agent, the deviceTRUST Agent will need to be reinstalled.
- The deviceTRUST Agent will not function until a valid license is applied

Option 3: Unattended Installation

The deviceTRUST Agent can be installed unattended from the command line interface with the following options:

COMPONENT	COMMANDLINE
dtagent-x64-release-x.x.x.x.msi	The deviceTRUST Agent installer file can be customized by common Microsoft Windows Installer parameters. An unattended installation can be achieved with the following parameters: `MSIEXEC.EXE /I DTAGENT-X64-RELEASE-X.X.X.X.MSI /PASSIVE /FORCERESTART`

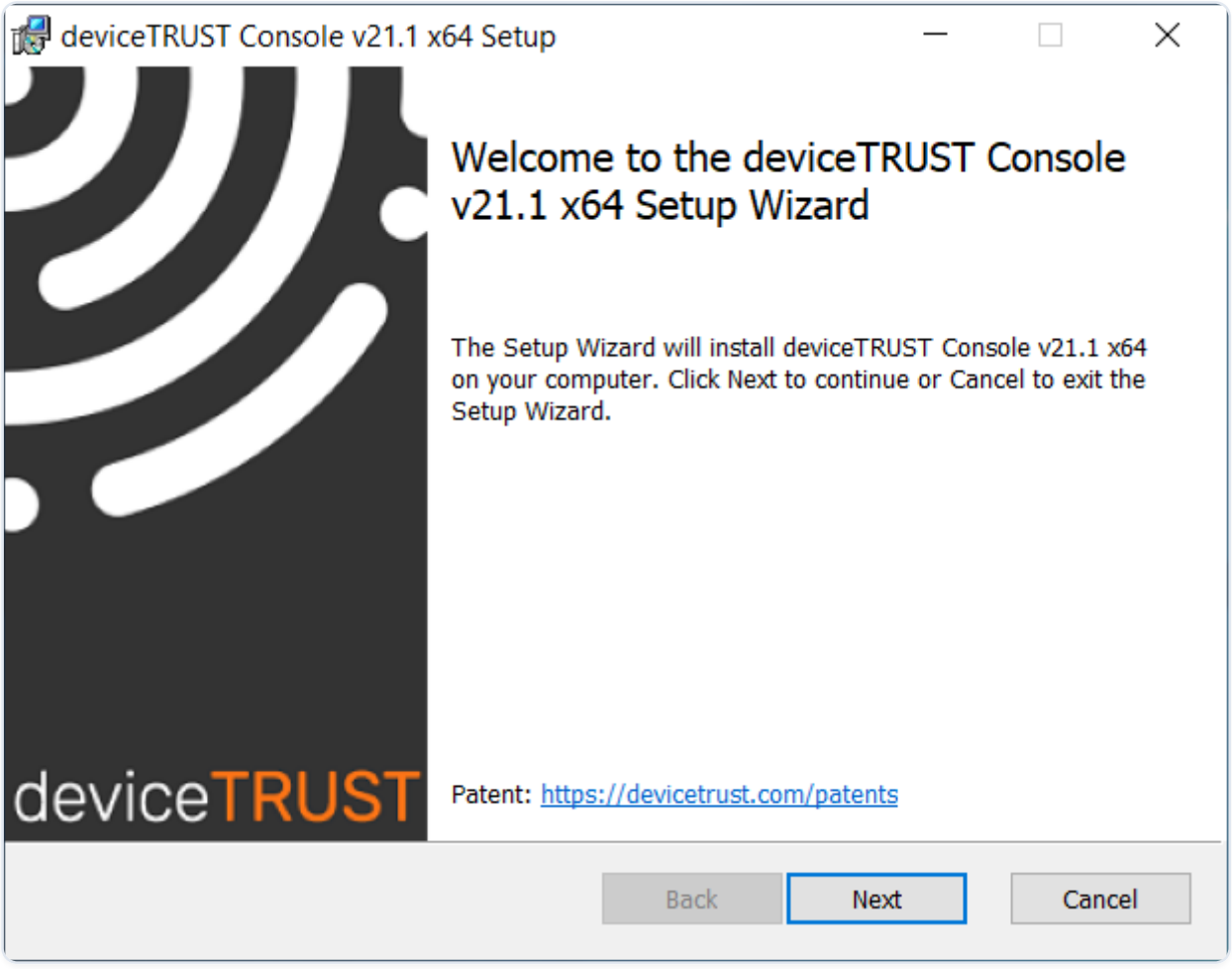
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NOTE:

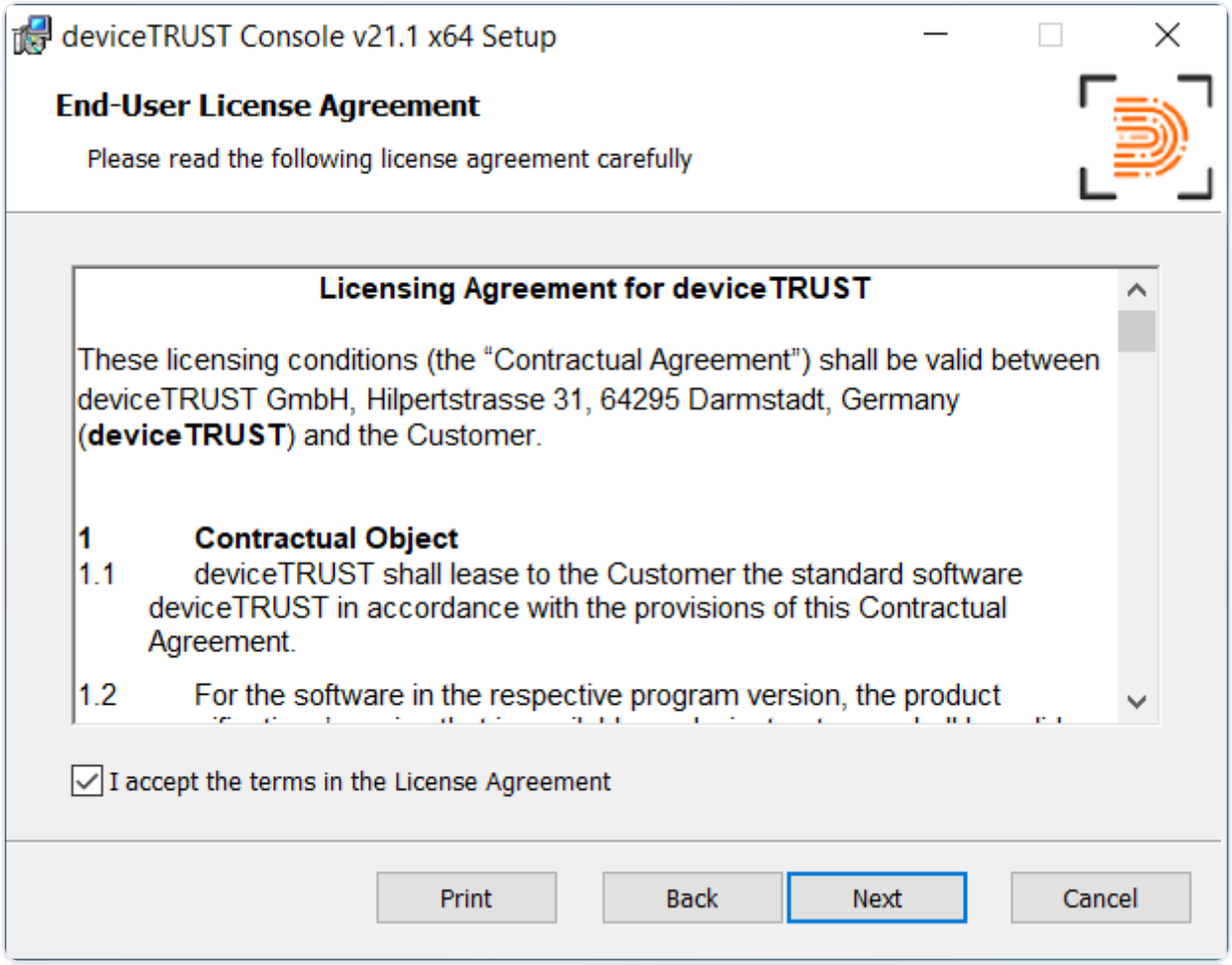
When using Citrix Virtual Apps and Desktops, you may need to edit the Virtual channel allow list policy to allow the deviceTRUST Agent to open a virtual channel to the deviceTRUST Client Extension.

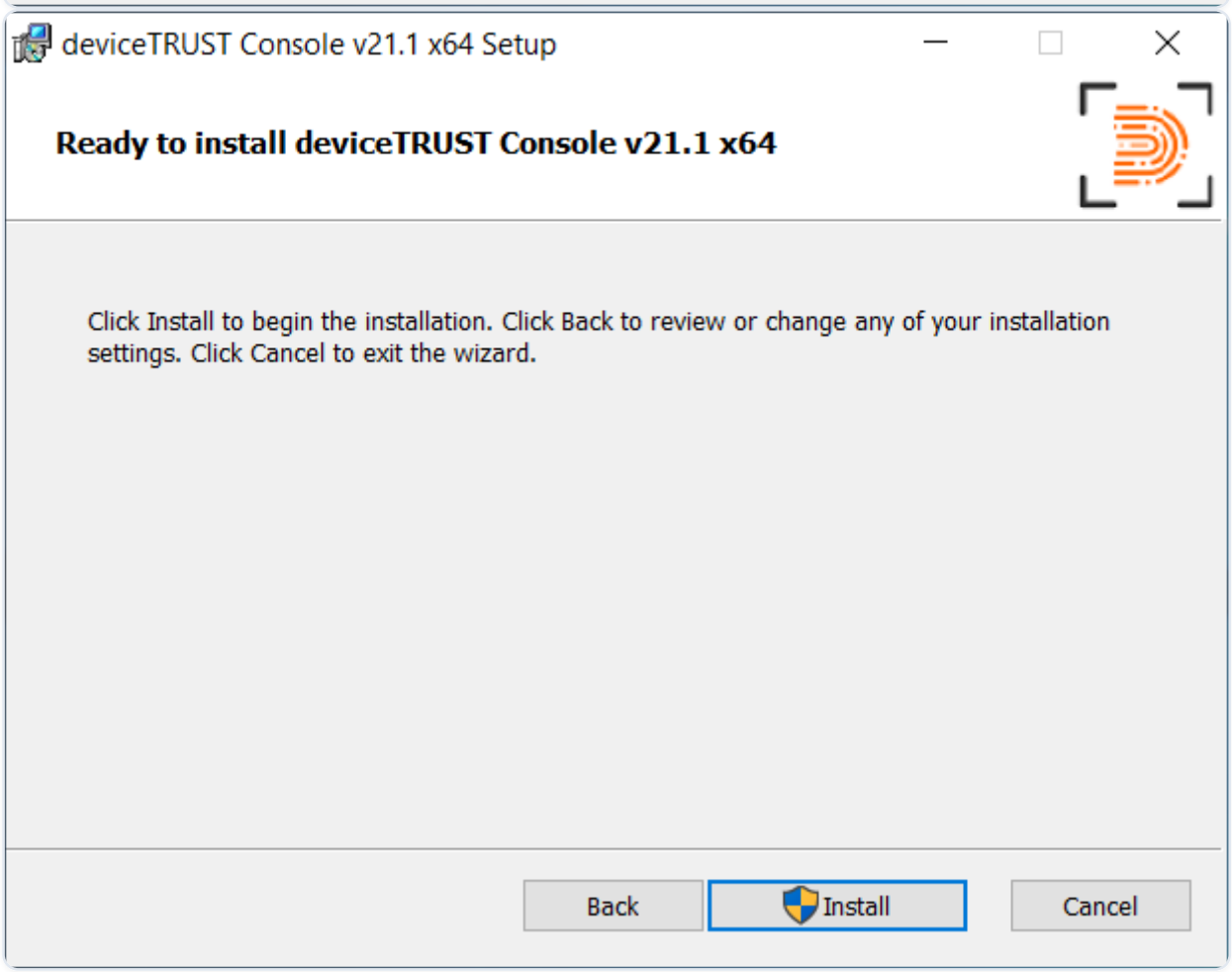
Installing the deviceTRUST Console

The deviceTRUST Console requires a user account with local administrative privileges to install the deviceTRUST Console on the targeting system. The installation can be performed by following the steps of the deviceTRUST Console installer.

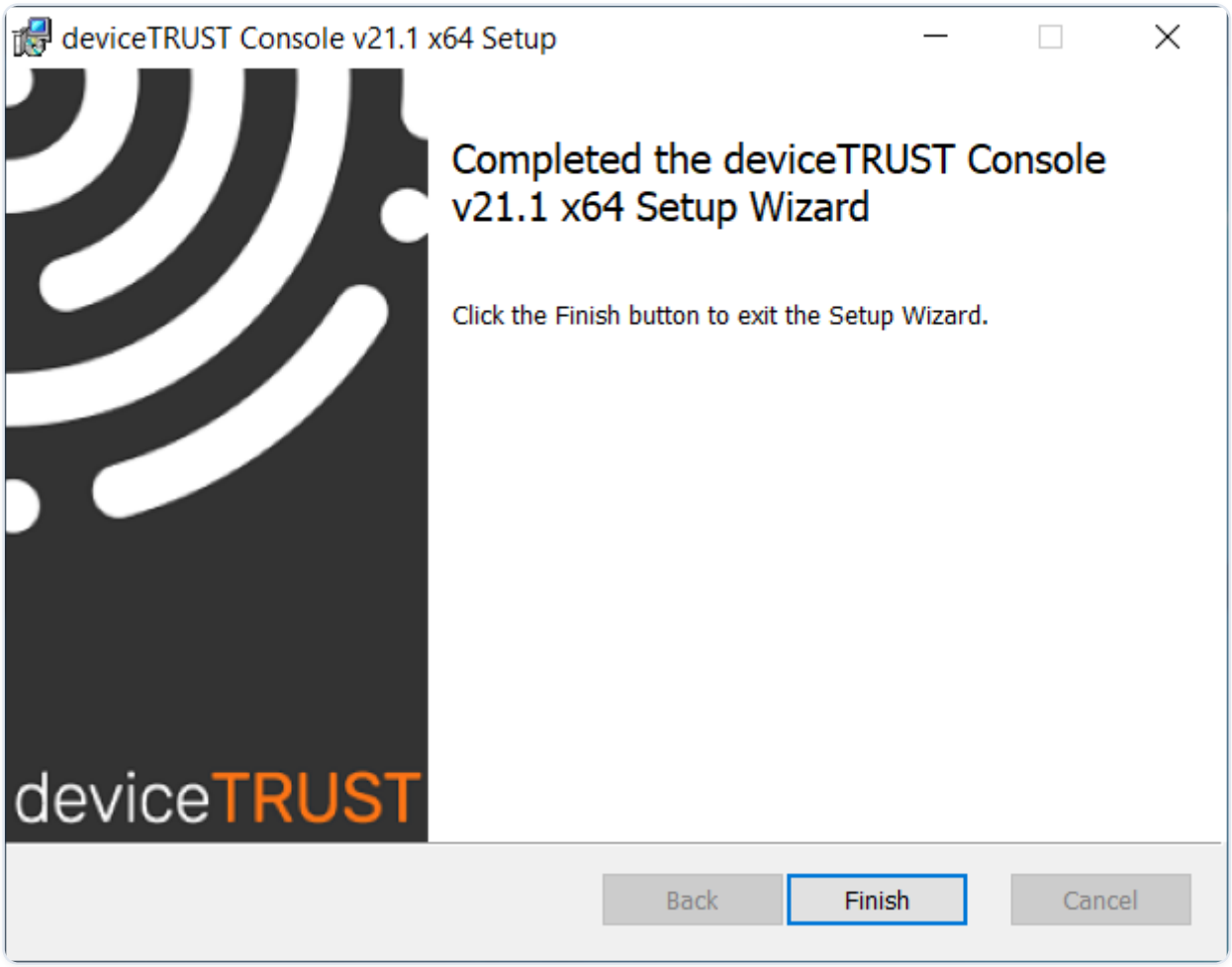


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NOTE:

Installation path: %PROGRAMFILES%\DEVICETRUST\CONSOLE

Unattended Installation

The deviceTRUST Console can be installed unattended from the command line interface with the following options:

COMPONENT	COMMANDLINE
dtconsole-x64-release-x.x.x.x.msi	The deviceTRUST Console installer file can be customized by common Microsoft Windows Installer parameters. An unattended installation can be achieved with the following parameters: `MSIEXEC.EXE /I DTCONSOLE-X64-RELEASE-X.X.X.X.MSI /PASSIVE`

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Installing the deviceTRUST Client Extension

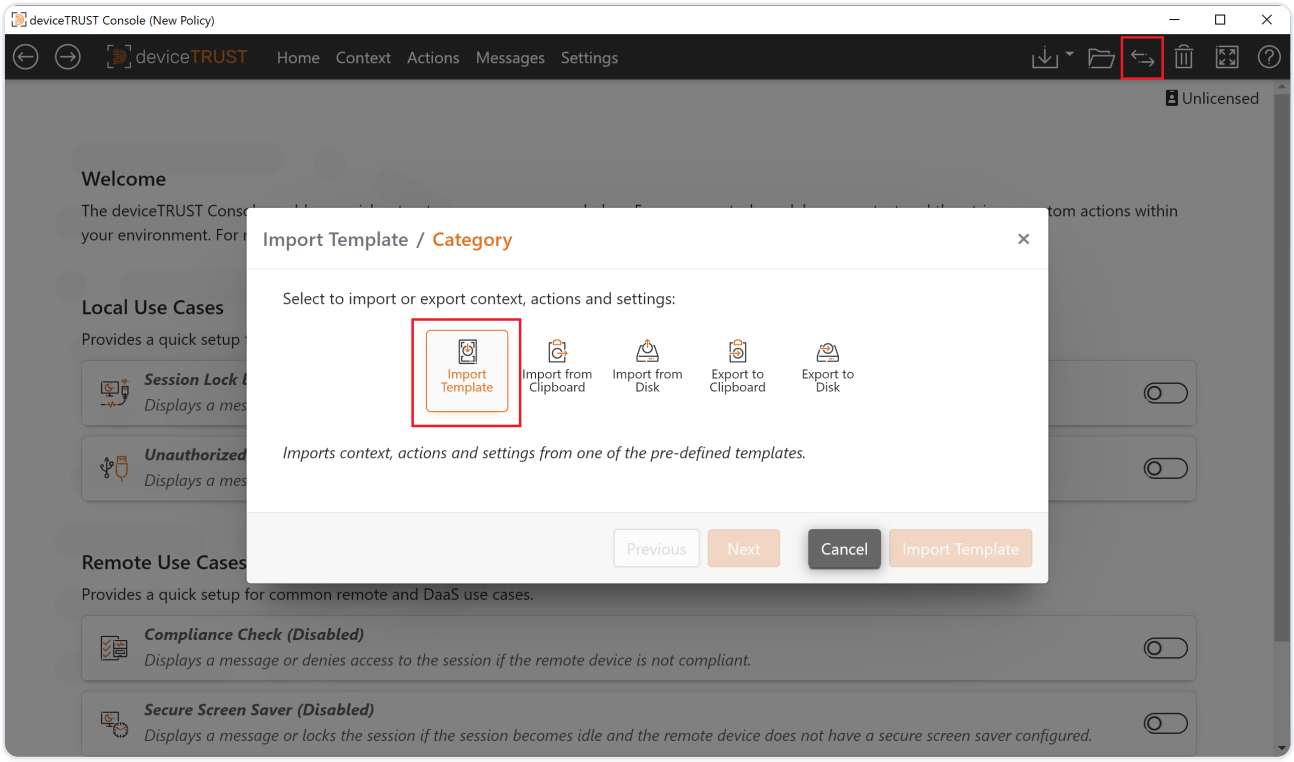
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- Microsoft Windows
- Apple macOS
- Apple iOS and iPadOS
- Ubuntu
- eLux 7

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Templates

The deviceTRUST® Console includes a set of templates which can be used to quickly implement a use case. Launch the deviceTRUST Console and select `SHARING` in the top right of the navigation bar and then `IMPORT TEMPLATE`.



The deviceTRUST use cases are summarized in the following categories for each target platform. Use the filter to select the desired target platform.

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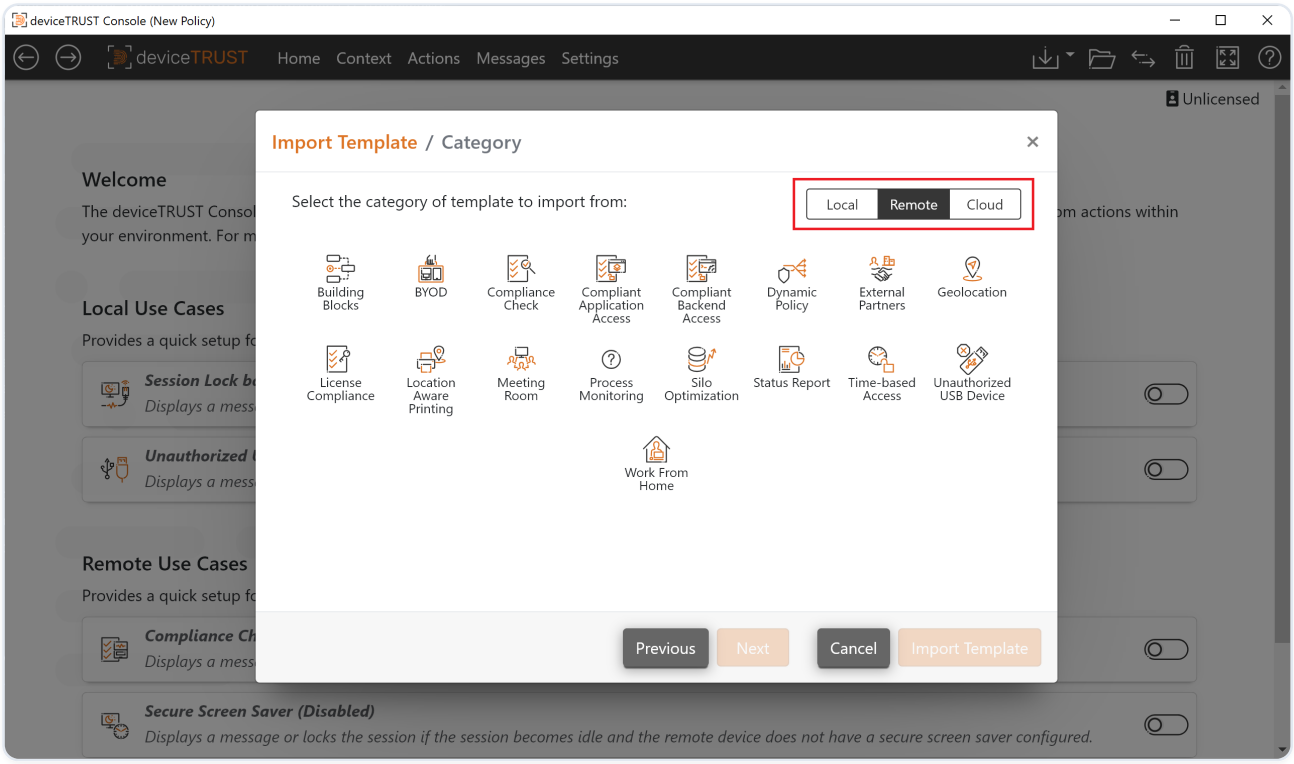


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- Local - Local Templates
- Remote - Remote Templates

Local Templates

The deviceTRUST® use cases for local devices are summarized within the following categories.

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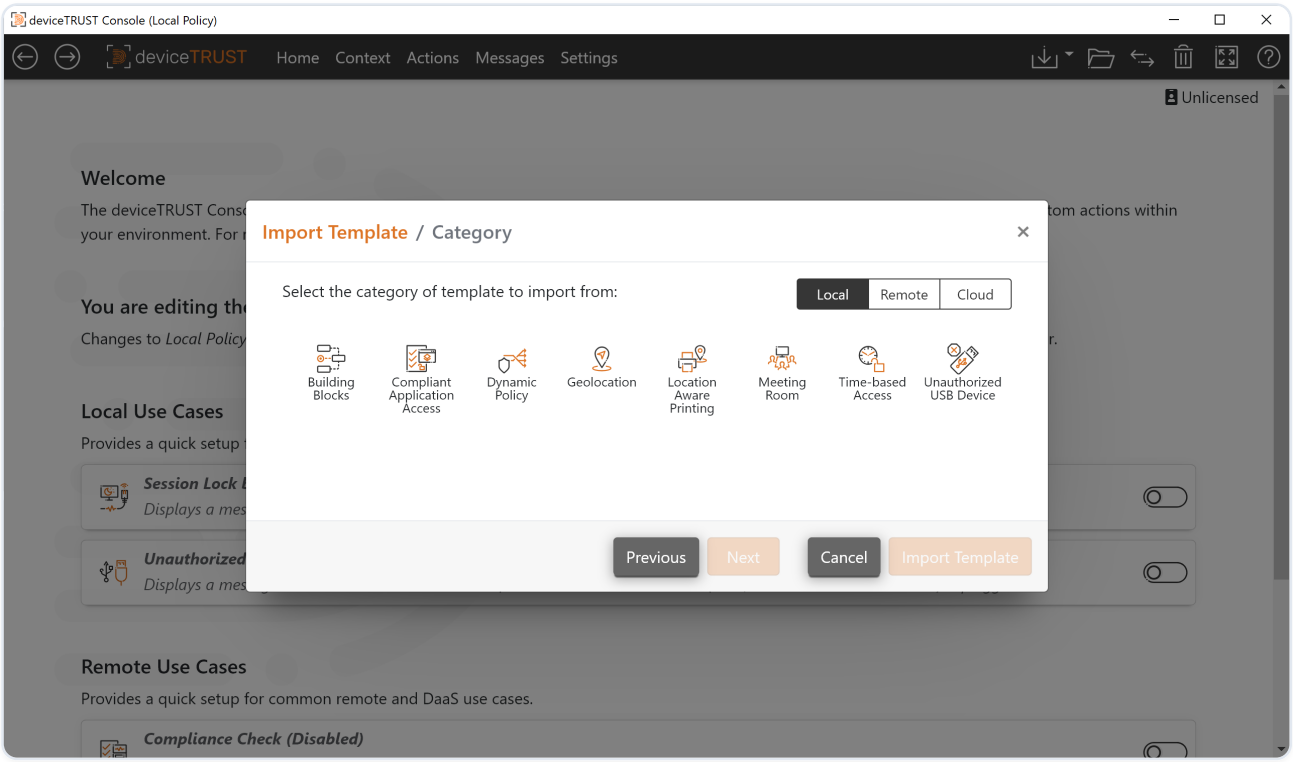


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- Building Blocks - Individual contexts and actions that can be used as building blocks within your configuration.
- Compliant Application Access - Controls access to applications within the session.
- Dynamic Policy - Applies a dynamic policy within the session.
- Geolocation - Validates and controls access based on geolocation information of the local device.
- Location Aware Printing - Maps network printers and defines a default printer based on the device placement within a building.
- Time-based Access - Controls access to the session or applications when accessed outside of working hours.
- Unauthorized USB Device - Denies access to the session when an unauthorized USB device is plugged in.

Remote Templates

The deviceTRUST® use cases for remoting and DaaS are summarized within the following categories.

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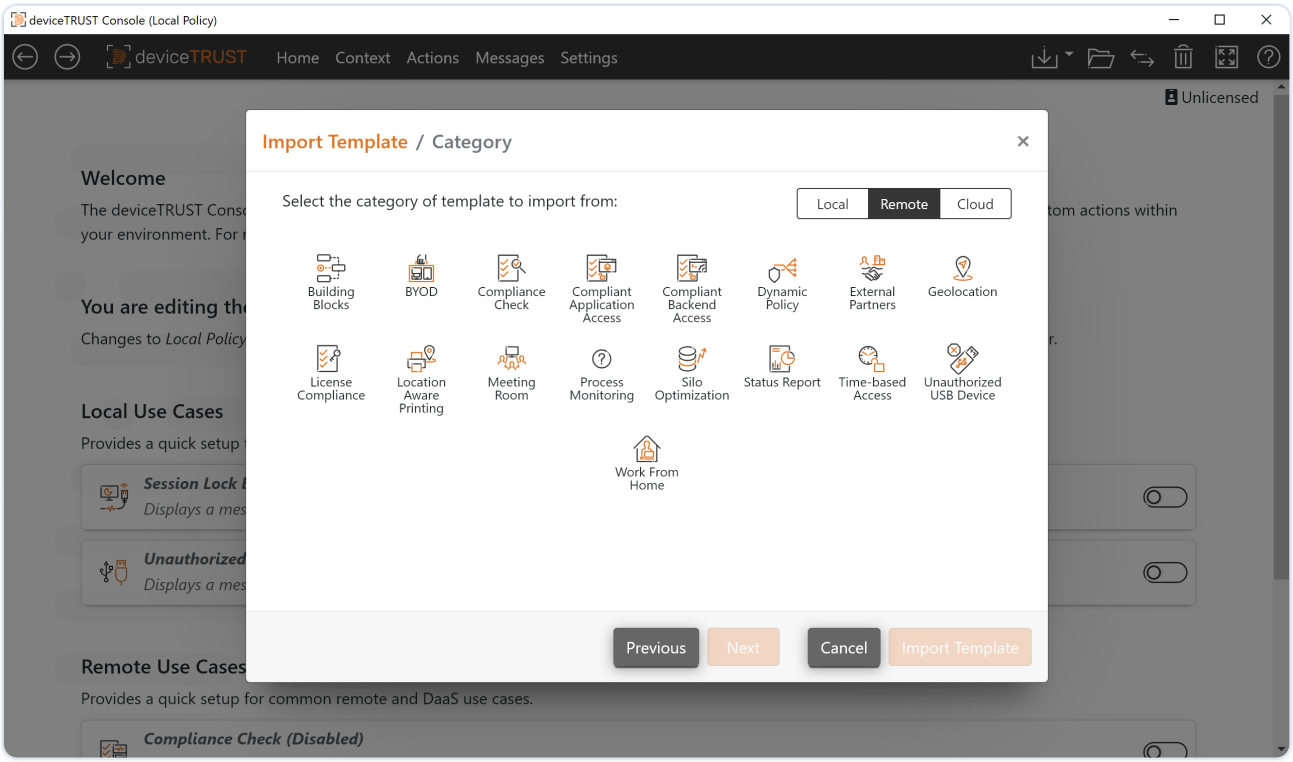


TABLE OF CONTENTS

- Building Blocks - Individual contexts and actions that can be used as building blocks within your configuration.
- BYOD (Bring Your Own Device) - Controls access to the session or applications when compliance requirements for BYOD users are not satisfied.
- Compliance Check - Display a message or denies access to the session when compliance requirements on a remote device are not satisfied.
- Compliant Application Access - Controls access to applications within the session.
- Dynamic Policy - Applies a dynamic policy within the session.
- External Partners - Controls access to the session and applications when compliance requirements for external partners are not satisfied.
- Geolocation - Validates and controls access based on geolocation information of the remote device.
- Location Aware Printing - Maps network printers and defines a default printer based on the device placement within a building.
- Time-based Access - Controls access to the session or applications when accessed outside of working hours.
- Unauthorized USB Device - Denies access to the session when an unauthorized USB device is plugged in.

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Reference

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- Properties
- Agent
- Client Extension
- Console

Property Reference

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- Access Point Properties - Describes the available Wi-Fi access points.
- Browser Properties - Describes installed internet browsers.
- Cellular Properties - Describes the active cellular capabilities of an endpoint.
- Certificate Properties - Describes the private certificates available within the users certificate store.
- ChromeOS Properties - Provides properties unique to a Google ChromeOS device.
- Custom Properties - Provides a condition that can operate on any property, including custom properties created using 'dtcmd.exe'.
- deviceTRUST Properties - Provides information about whether a connection to a deviceTRUST Client Extension has been established, the version of the deviceTRUST software and the status of the deviceTRUST license.
- Display Properties - Describes the displays available to the user session.
- Domain Properties - Describes the domain membership of the endpoint.
- eLux Properties - Provides properties unique to a Unicon eLux device.
- Hardware Properties - Describes the hardware and its capabilities.
- IGEL Properties - Provides properties unique to an IGEL device.
- Input Properties - Describes the input devices available to the user session.

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- iOS Properties - Provides properties unique to an Apple iOS endpoint.
- Location Properties - Describes the geographical location of the endpoint.
- Logical Disk Properties - Describes the logical disks available to the user.
- macOS Properties - Describes properties unique to an Apple macOS endpoint.
- macOS Firewall Properties - Provides real-time properties describing the state of the macOS Firewall.
- macOS Update Properties - Describes the status of macOS Software Update settings and updates.
- Mapped Drive Properties - Describes the mapped drives available within a user session.
- MDM Properties - Provides dynamic properties describing the current mobile device management (MDM) solution.
- Multihop Properties - Describes the number of hops taken by the user over deviceTRUST connected sessions.
- Name Properties - Identifies the endpoint.
- Network Properties - Describes the network adapters and their bound network addresses.
- NoTouch Properties - Provides properties unique to a Stratodesk NoTouch device.
- OS Properties - Provides information about the operating system installed on the endpoint.
- Password Policy Properties - Describes the password policy of the logged in user.
- Performance Properties - Describes the performance of the remoting protocol.
- Power Properties - Describes the power profile of the endpoint.
- Printer Properties - Describes the printers available to the user session.
- Region Properties - Describes the regional information of the user session.
- Remote Control Properties - Determines whether the user session is being remote controlled and provides information about the remote controlling endpoint.
- Remoting Client Properties - Provides properties about the remoting client used to remote control the user session.
- Screen Saver Properties - Describes the screen saver applied to the user session.
- Security Product Properties - Provides real-time properties describing the state of the installed Antivirus, Antispyware and Firewall security products.
- Session Properties - Provides information describing the user's logon session.

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- Smartcard Reader Properties - Describes the connected smart-card readers available to the user.
- User Properties - Identifies the logged in user.
- WHOIS Properties - Provides the results of a WHOIS lookup of the endpoint.
- Windows Properties - Provides real-time properties unique to a Microsoft Windows device.
- Windows Defender Properties - Provides real-time properties describing the state of Microsoft Windows Defender Antivirus.
- Windows Firewall Properties - Provides real-time properties describing the state of the Microsoft Windows Firewall.
- Windows Registry Properties - Provides access to Windows Registry entries.
- Windows Update Properties - Describes the status of Microsoft Windows Update.

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- Policy Loading - Policy Loading
- Product Events - Product Events
- Telemetry - Telemetry

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- iOS Managed App Configuration - iOS Managed App Configuration Reference
- iOS Passcodes - iOS Passcodes Reference

Console Reference

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- Actions - Actions Reference
- Settings - Settings Reference

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Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, then the Knowledge Base is a useful resource for common problems and resolutions. The following sections detail some useful knowledge base articles depending upon your deployment scenario:

Scenario: Remote

In remote scenarios, deviceTRUST® transports the context information from the user's remote device to the virtual session where the configuration is enforced. Please check the following knowledge base articles:

- Step 1: Make sure that you have a valid license
- Step 2: Check that your contextual security policy has been saved and deployed
- Step 3: Check that the user is managed by deviceTRUST
- Step 4: Check that the deviceTRUST Client Extension is installed on the remote device
- Step 5: Check that Citrix Virtual Channel Security is configured (Citrix Only)
- Step 6: Check that your contexts are correctly defined
- Step 7: Exclude specific users from the deviceTRUST policy
- Step 8: Check that the deviceTRUST Agent service is running
- Step 9: Check that you are using the latest deviceTRUST version

Scenario: Local

In local scenarios, deviceTRUST collects context information and executes actions locally. Please check the following knowledge base articles:

- Step 1: Make sure that you have a valid license
- Step 2: Check that your contextual security policy has been saved and deployed
- Step 3: Check that the user is managed by deviceTRUST
- Step 4: Check that your contexts are correctly defined
- Step 5: Exclude specific users from the deviceTRUST policy

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- Step 6: Check that the deviceTRUST Agent service is running
- Step 7: Check that you are using the latest deviceTRUST version

Open a support ticket with us

Additional articles may be found by searching the Knowledge Base. However, if you are still experiencing difficulties please raise a ticket with the Citrix Support Portal at https://support.citrix.com{:target="_"blank}.

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Knowledge Base

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- Features
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- Properties
- Reporting

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- Compatibility
- Configuration
- Connectivity
- Diagnostics
- Installation
- Licensing
- Support

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- Check that your contextual security policy has been saved and deployed
- Custom Script Signing
- Deny Access, Logout or Disconnect
- Enabling Custom Scripts on Remote Devices
- Exclude specific users from the deviceTRUST policy

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- GPO name is not updated in deviceTRUST policy when copying a GPO within group policy editor

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- Virtual Channel Compatibility

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- deviceTRUST debug log locations

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- deviceTRUST + Apple Silicon support
- deviceTRUST + CVE-2021-44228 “Log4Shell”

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- Location and Network improvements in Windows 11 24H2
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- Updating the deviceTRUST Client Extension in IGEL OS 11

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- Check that your contexts are correctly defined
- Multi-Hop with deviceTRUST
- Process monitoring

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- macOS Client 2603
- eLux Client 2603
- Ubuntu Client 2603
- Previous Release (23.1)

deviceTRUST Client Extension for macOS 2603

The deviceTRUST Client Extension is available for macOS as part of the Citrix Workspace app 2503 or later.

Details on the installation of the deviceTRUST Client Extension for macOS can be found within our Installation guide.

Supported platforms

The supported platforms have been updated. Please refer to the OS Compatibility guide for more information.

Compatibility with previous releases

The deviceTRUST Client Extension v2511 is not compatible with the previous deviceTRUST Agent v23.1 due to a change of the virtual channel name. More details can be found in the Virtual Channel Compatibility Knowledge Base article.

Custom Properties and Custom Process Task

Custom Property Scripts and Custom Process Tasks of remote device are now disabled by default and can be enabled via an environment variable on Ubuntu. More details can be found in the Enabling Custom Scripts on Remote Devices Knowledge Base article.

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deviceTRUST® Client Extension for eLux 2603

The deviceTRUST Client Extension is available for eLux 7 as part of the Citrix Workspace app 2503 or later and is available to download on the myelux portal.

Details on the installation of the deviceTRUST Client Extension for eLux 7 can be found within our Installation guide.

Supported platforms

For supported platforms, please refer to the OS Compatibility guide for more information.

Compatibility with previous releases

The deviceTRUST Client Extension v2511 is not compatible with the previous deviceTRUST Agent v23.1 due to a change of the virtual channel name. More details can be found in the Virtual Channel Compatibility Knowledge Base article.

Custom Properties and Custom Process Task

Custom Property Scripts and Custom Process Tasks of remote device are now disabled by default and can be enabled via an environment variable on eLux 7. More details can be found in the Enabling Custom Scripts on Remote Devices Knowledge Base article.

deviceTRUST Client Extension for Ubuntu 2511

The deviceTRUST Client Extension is available for Ubuntu as part of the Citrix Workspace app 2503 or later.

Details on the installation of the deviceTRUST Client Extension for Ubuntu can be found within our Installation guide.

Supported platforms

The supported platforms have been updated. Please refer to the OS Compatibility guide for more information.

Compatibility with previous releases

The deviceTRUST Client Extension v2511 is not compatible with the previous deviceTRUST Agent v23.1 due to a change of the virtual channel name. More details can be found in the Virtual Channel Compatibility Knowledge Base article.

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Custom Properties and Custom Process Task

Custom Property Scripts and Custom Process Tasks of remote device are now disabled by default and can be enabled via an environment variable on Ubuntu. More details can be found in the Enabling Custom Scripts on Remote Devices Knowledge Base article.

deviceTRUST 2603

The deviceTRUST 2507 is part of the Long Term Service Release (LTSR) program for Citrix Virtual Apps and Desktops™, providing stability and long-term support for Citrix Virtual Apps and Desktops releases.

This release includes stability updates, in addition to security hardening for Custom Scripts and the introduction of Telemetry collection.

Security Hardening of Custom Scripts

Custom Scripts executed locally by the deviceTRUST Agent, or remotely by the deviceTRUST Client Extension must now be digitally signed and trusted by the device that they are executed on. This impacts both Custom Properties Settings and also the Custom Process Task.

Support for Batch and VBS scripts on Microsoft Windows platforms has been deprecated.

Please note that the requirement for Custom Scripts to be signed has limited backwards compatibility. More information can be found at in the Custom Script Signing Compatibility knowledge base article.

Telemetry

Telemetry collection has been added to the deviceTRUST Agent to allow a better understanding of the features that are in use by our customers. This telemetry contains no Personally Identifiable Information (PII) and will allow for better decision making on the future of the product. The telemetry collected is documented for transparency.

Compatibility

This compatibility section builds on our general approach to compatibility which can be found within the Lifecycle page.

The Security Hardening of Custom Scripts is a breaking change. Care should be taken when upgrading the deviceTRUST Agent to ensure that signed scripts are deployed as part of the upgrade.

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If upgrading from a previous release, be sure to check out the deviceTRUST 25.3 compatibility notes.

The deviceTRUST Agents can read policies created by previous releases of the deviceTRUST Console. However, they cannot read policies created by a newer console. Therefore, you must ensure that the deviceTRUST Agent 2603 is deployed before applying policy that has been written by the deviceTRUST Console .

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- IGEL OS 12 Client 23.1.400
- IGEL OS 11 Client 23.1.400
- macOS Client 23.1.410
- deviceTRUST 23.1.410
- Ubuntu Client 23.1.400
- iOS Client 23.1.400
- NoTouch Client 23.1.100
- Previous Release (21.1)

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- Client Extension installation on eLux® 7
- Client Extension installation on iOS and iPadOS devices
- Installing the deviceTRUST Client Extension for macOS
- Installing the deviceTRUST® Client Extension for Ubuntu
- Installing the deviceTRUST® Client Extension for Microsoft Windows
- Azure Enterprise Application for AAD Conditional Access integration
- Check that your contexts are correctly defined
- Multi-Hop with deviceTRUST
- Process monitoring
- deviceTRUST® + Apple Silicon support
- deviceTRUST® + CVE-2021-44228 “Log4Shell”
- Check that your contextual security policy has been saved and deployed
- Check that the user is managed by deviceTRUST
- Custom Script Signing
- Deny Access, Logout or Disconnect?
- Exclude specific users from the deviceTRUST policy
- GPO name is not updated in deviceTRUST policy when copying a GPO within group policy editor
- Configuring Citrix Virtual Channel Security
- Check that the deviceTRUST Client Extension is installed on the remote device
- Configuring Citrix Virtual Channel Security
- Virtual Channel Compatibility
- deviceTRUST debug log locations
- Check that the deviceTRUST Agent service is running
- Check that you are using the latest deviceTRUST version

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- Configuration of the deviceTRUST Client Extension virtual channel for ICA®
- Silent removal of the deviceTRUST® Client Extension for Apple macOS
- Make sure that you have a valid license
- IGEL OS 12 - No IGEL Properties
- Device Location
- Location and Network improvements in Windows 11 24H2
- SD Card detection for Logical Disk properties
- Updating the deviceTRUST Client Extension in IGEL OS 11
- Log data to Microsoft Teams
- Policy Loading
- Product Events
- Telemetry data elements
- iOS Managed App Configuration
- iOS Passcodes
- Actions
- Citrix App Protection
- Audit Event Task
- Citrix Policy Task
- Custom Process Task
- Deny Access Task
- FSLogix App Masking Task
- Task Reference
- Logon Abort Task
- Map Drive Task
- Map Printer Task
- Microsoft AppLocker Task
- Popup Message Task
- Screen Saver Task
- Send Mail Task
- Shortcut Task

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- Terminate App Task
- User Session Task
- Web Request Task
- Windows Firewall Task
- Windows Policy Task
- Windows Registry Task
- Advanced Settings
- Auditing Settings
- Custom Properties Settings
- File-Based Policy Settings
- Settings
- Licensing Settings
- Mail Server Settings
- Map Drive Settings
- Microsoft AppLocker Settings
- Mobile Settings
- Printer Settings
- Property Settings
- Security Settings
- System Messages Settings
- Access Point Properties
- Browser Properties
- Cellular Properties
- Certificate Properties
- ChromeOS Properties
- Custom Properties
- deviceTRUST Properties
- Display Properties
- Domain Properties
- eLux® Properties

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- Hardware Properties
- IGEL Properties
- Input Properties
- iOS Properties
- Location Properties
- Logical Disk Properties
- macOS Properties
- macOS Firewall Properties
- macOS Update
- Mapped Drive Properties
- MDM Properties
- Multihop Properties
- Name Properties
- Network Properties
- NoTouch Properties
- OS Properties
- Password Policy Properties
- Performance Properties
- Power Properties
- Printer Properties
- Region Properties
- Remote Control Properties
- Remoting Client Properties
- Screen Saver Properties
- Security Product Properties
- Session Properties
- Smartcard Reader Properties
- User Properties
- WHOIS Properties
- Windows Properties

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- Windows Defender Properties
- Windows Firewall Properties
- Windows Registry Properties
- Windows Update Properties
- Access Mode Template
- Conditional Application Access Template
- Country Template
- Country Provider Template
- Device Location IP Address Template
- Device Location NetBIOS Name Template
- Device Location Wi-Fi Access Point Template
- Building Blocks Templates
- Operating System Update Template
- Override Template
- Policy Mode from AD Group Template
- Policy Mode from Date Template
- Proximity Template
- Session Idle Template
- Unauthorized USB Device Template
- VPN Connected Template
- Wi-Fi Security Mode Template
- Working Time Template
- Country Template
- Compliant Application Access Templates
- Proximity Template
- Security State Template
- Wi-Fi Security Mode Template
- Working Time Template
- Dynamic Policy Templates
- Session Lock based on Network Type Template

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- Session Lock based on VPN Connection Template
- Session Lock based on Wi-Fi Security Mode Template
- Conditional Application Access for Country Template
- Conditional Application Access for Proximity Template
- Geolocation Templates
- Location Aware Printing Templates
- IP Address Template
- NetBIOS Name Template
- Wi-Fi Access Point Template
- Conditional Application Access Template
- Time-based Access Templates
- Unauthorized USB Drives Templates
- Access Mode Template
- Citrix Workspace App Template
- Computer Certificate Template
- Conditional Application Access Template
- Corporate Device Template
- Country Template
- Country Provider Template
- Device Location IP Address Template
- Device Location NetBIOS Name Template
- Device Type Contractor Template
- Device Type Corporate Template
- deviceTRUST Client Extension Availability Template
- Building Blocks Templates
- Operating System Template
- Operating System Update Template
- Override Template
- Policy Mode from AD Group Template
- Policy Mode from Date Template

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- Proximity Template
- Remote Controlled Template
- Security State Template
- Session Idle Template
- Threat Detection Template
- Unauthorized USB Device Template
- User Privileges Template
- Virtualized Template
- VPN Connected Template
- Wi-Fi Security Mode Template
- Working Time Template
- Conditional Access Template
- Conditional Application Access Template
- BYOD (Bring Your Own Device) Templates
- Compliance Check Template
- Computer Certificate Template
- Corporate Device Template
- Country Template
- deviceTRUST Client Extension Availability Template
- Compliance Check
- Operating System Template
- Remote Controlled Template
- Security State Template
- Threat Detection Template
- User Privileges Template
- Virtualized Template
- Wi-Fi Security Mode Template
- Access Mode Template
- Corporate Device Template
- Country Template

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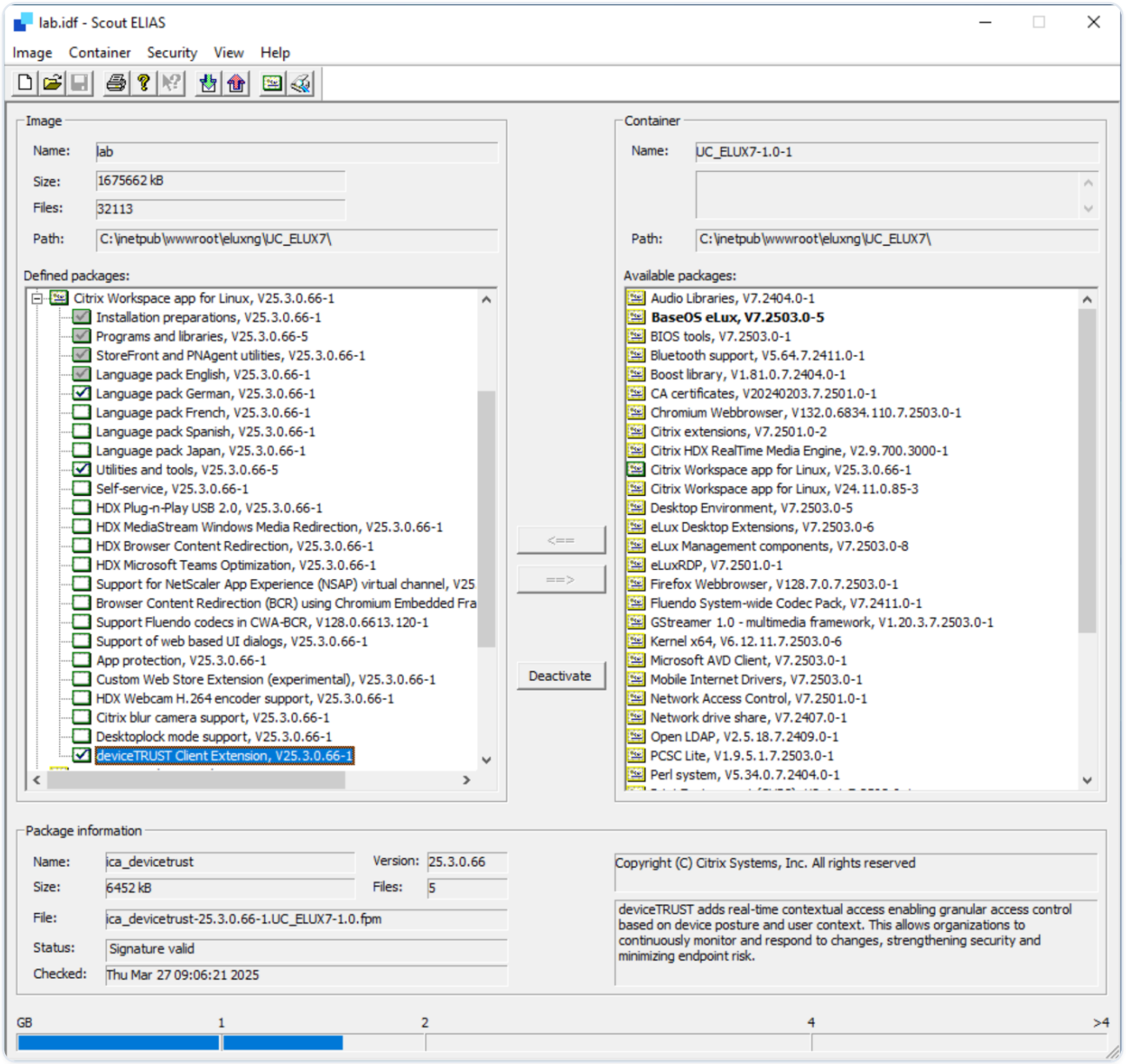
- Compliant Application Access Templates
- Proximity Template
- Security State Template
- Wi-Fi Security Mode Template
- Working Time Template
- Amazon DCV Clipboard Security State Template
- Citrix Policy Access Mode Template
- Citrix Policy Corporate Device Template
- Citrix Policy Wi-Fi Security Mode Template
- Dynamic Policy Templates
- Secure Screen Saver Template
- Conditional Access Template
- Conditional Application Access Template
- External Partners Templates
- Conditional Access for Country Template
- Conditional Application Access for Country Template
- Conditional Application Access for Proximity Template
- Geolocation Templates
- Location Aware Printing Templates
- IP Address Template
- NetBIOS Name Template
- Wi-Fi Access Point Template
- Conditional Access Template
- Conditional Application Access Template
- Time-based Access Templates
- Unauthorized USB Device Templates
- Unauthorized USB Device Template

Client Extension installation on eLux® 7

The deviceTRUST Client Extension is built into the Citrix Workspace™ app 2503 or later.

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To install, activate the package `Citrix Workspace app for Linux` -> `deviceTRUST Client Extension` within Scout ELIAS as shown below. Additionally, the `PCSC Lite` -> `PCSC Lite SmartCard Library` package must also be activated. Save the image and update your devices.



Client Extension installation on iOS and iPadOS devices

The deviceTRUST iOS Client Extension is available to download from the App Store. The iOS Client Extension is currently only compatible with *Citrix Virtual Apps and Desktops* and *Citrix Cloud*. For more information, see Platform Compatibility.

Before using the iOS Client Extension, the deviceTRUST Agent must be supplied with an API Key, and the deviceTRUST iOS Client Extension must be registered with either a QR Code, or with an MDM managed app configuration.

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Registering with the deviceTRUST Portal

The deviceTRUST Portal must be registered to your organisation using a registration link available from your deviceTRUST representative. Registration can be performed against one of the following accounts:

- *Microsoft Account* - Great for Proof-of-Concepts or small business use with single user administration. No Microsoft Entra ID domain required.
- *Work Account* - Great for medium or larger corporate use with multi user administration. Requires a Microsoft Entra ID domain.

Assigning roles to Entra ID users

After a *Work Account* has been used to register an organization with the deviceTRUST Portal, other users within the organization must be assigned the correct role within Microsoft Entra ID for them to be able to sign-in to the deviceTRUST Portal.

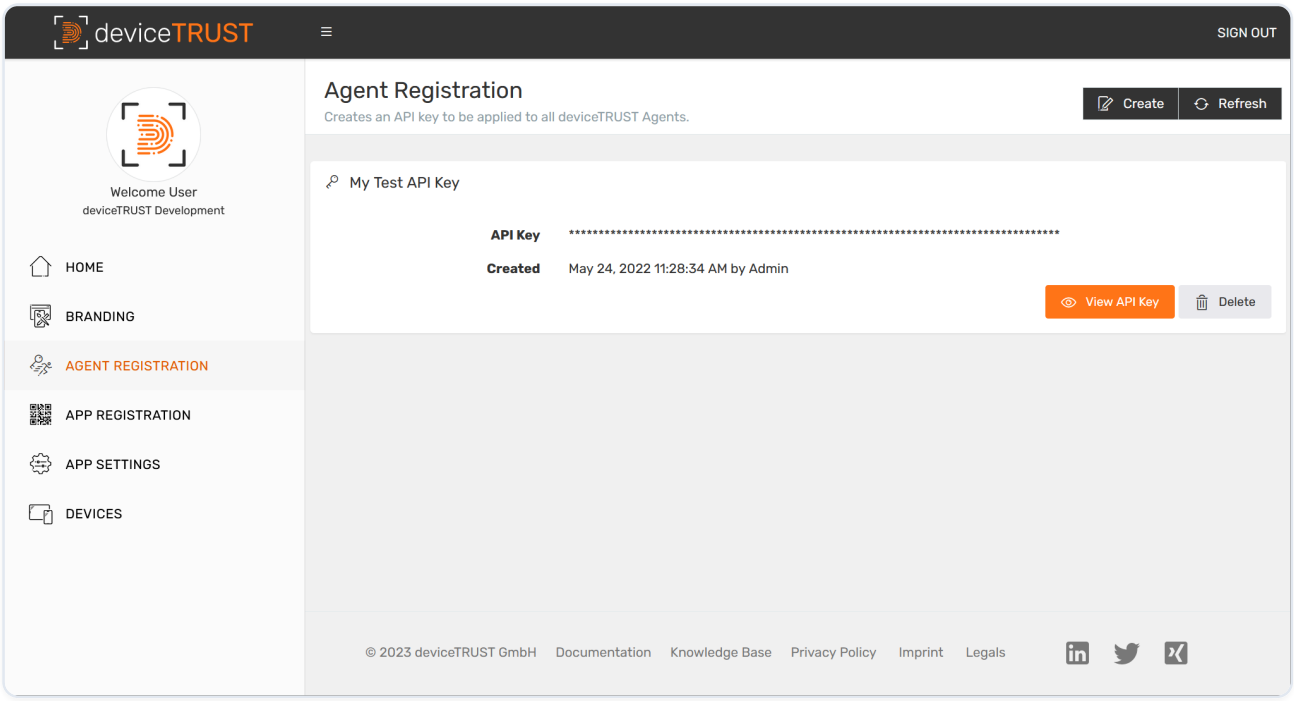
When signed into the Azure portal:

- Navigate to the Microsoft Entra ID that belongs to the tenant of the user that registered with the deviceTRUST Portal.
- Navigate to Manage -> Enterprise applications.
- Click on the application named *deviceTRUST Portal* to view the Enterprise Application.
- Navigate to Manage -> Users and groups.
- To enable an existing user or members of a group to sign-in, click *Edit assignment* and change the role to *Portal Administrator* before clicking *Save*.
- To add a new user or members of a group, click *Add user/group*, select an appropriate identity and ensure the role is set to *Portal Administrator* before clicking *Save*.

Generating an API Key for use by the deviceTRUST Agent

An API Key must be allocated within the *Agent Registration* section of the deviceTRUST Portal. Click *Create*, enter a name and click *OK*. Click *View API Key* to view the API Key and copy to the clipboard.

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Once generated, the API Key can be entered within the Administrative Templates of the deviceTRUST Policy. Launch a suitable policy editor and navigate to Administrative Templates -> deviceTRUST and enter the API Key within the `Mobile: Determine properties from remote devices by connecting to a server`. Paste the API Key into the relevant field.

NOTE:

API Keys remain valid as long as they exist within the deviceTRUST Portal. If the API Key is deleted, any deviceTRUST Agent that uses the API Key will no longer be able to communicate with iOS devices.

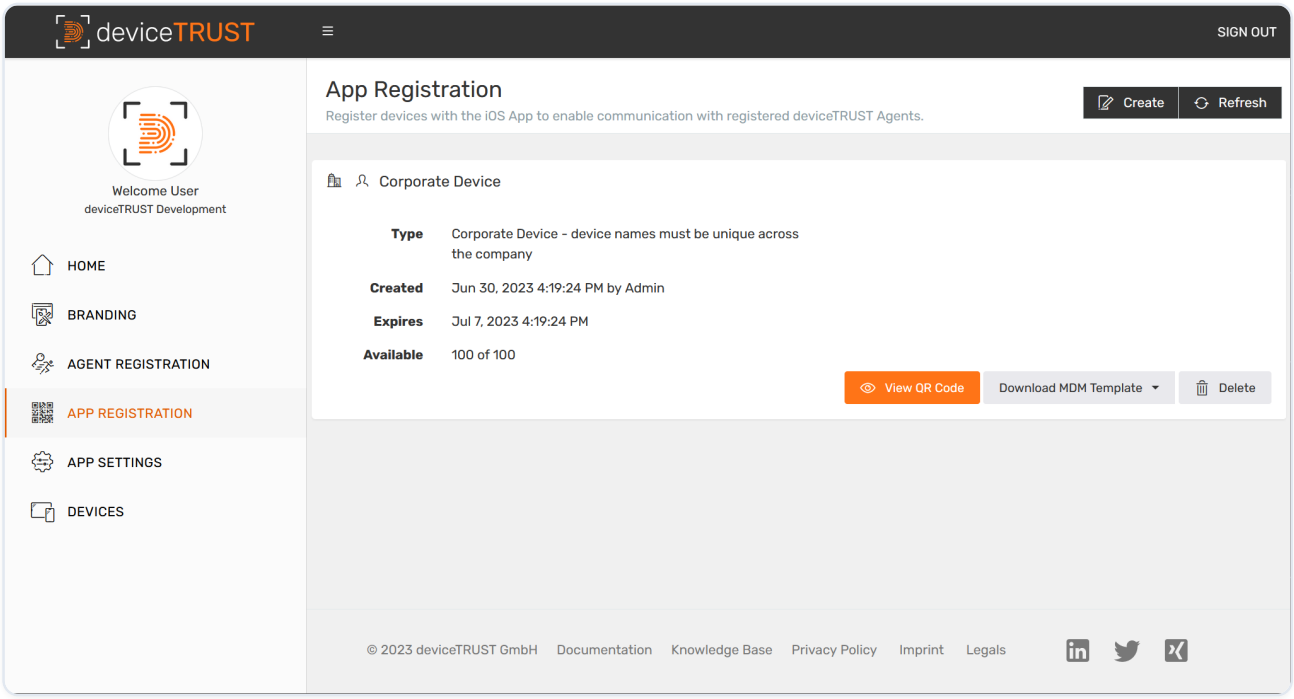
Generating an App Registration code to register iOS and iPadOS devices

An *App Registration* can be generated within the similarly named section of the deviceTRUST Portal. Click *Create* and populate the following fields:

- *Friendly Name* - A user friendly name of the registration.
- *Quantity* - The number of iOS devices that the QR code can register.
- *Expiry* - Enter a suitable time period of the iOS device enrollment. After the QR code has expired, new iOS devices will be unable to register, but devices already registered will continue to function.
- *Personal Devices* - Select Personal Devices to create a registration for a specific user. A personal device name must be unique for the specified user name and domain name.

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- *Corporate Devices* - Select Corporate Devices to create a registration for your entire company. A corporate device name must be unique for all devices within the company.



NOTE:

App Registrations allow an iOS Client Extension to register with the deviceTRUST Portal. Deleted or expired App Registration's will prevent new registrations, but will not impact iOS devices that are already registered.

Registering an iOS or iPadOS device using a QR code

To register an iOS device using a QR code, navigate to the *App Registration* section of the deviceTRUST Portal and click *View QR Code* next to an App Registration. Within the iOS Client Extension, click *Register* and point the camera at the QR code. The iOS device will register with the deviceTRUST Portal.

Registering an iOS or iPad device using an MDM managed app configuration

Registration of an iOS device using an MDM managed app configuration depends upon the MDM provider that is being used. However, a *plist* file containing the app configuration profile can be downloaded by navigating to the *App Registration* section of the deviceTRUST Portal and clicking *Download MDM Template*. The downloaded plist file can be uploaded to your MDM provider, for more information see the iOS Managed App Configuration.

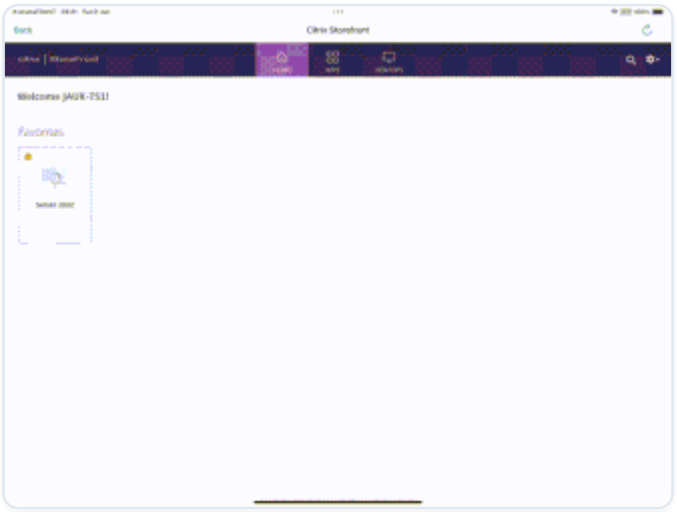
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Naming the iOS device for compatibility with iOS 16 and deviceTRUST Agent 23.1.120 or earlier

In iOS 16.0, apps require a special entitlement to be able to query the user assigned device name of an iPhone or iPad. The iOS Client Extension does not yet have this entitlement, and therefore can only read the device name as either `iPhone` or `iPad`. A unique device name is required for each device to successfully establish a connection between the deviceTRUST Agent and the iOS Client Extension. This limitation can be worked around by renaming devices within the deviceTRUST Portal, or by using an MDM app configuration policy to inform the iOS Client Extension of the real device name.

Using passcodes with deviceTRUST Agent 23.1.200 or later

Support for iOS 17 or later requires passcode authentication introduced in deviceTRUST Agent 23.1.200. During logon or reconnect, the user is shown a passcode. The user is responsible to switch to the deviceTRUST Client Extension and enter the passcode before switching back to the remoting client.



More information can be found within the iOS Passcodes reference.

Installing the deviceTRUST Client Extension for macOS

The deviceTRUST Client Extension for macOS is now installed by default as part of Citrix Workspace app when using release 2503 or later. This can be downloaded from Citrix Downloads.

Installing the deviceTRUST® Client Extension for Ubuntu

The deviceTRUST Client Extension for Ubuntu is now installed by default as part of Citrix Workspace app when using release 2503 or later. This can be downloaded from Citrix Downloads.

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Installing the deviceTRUST® Client Extension for Microsoft Windows

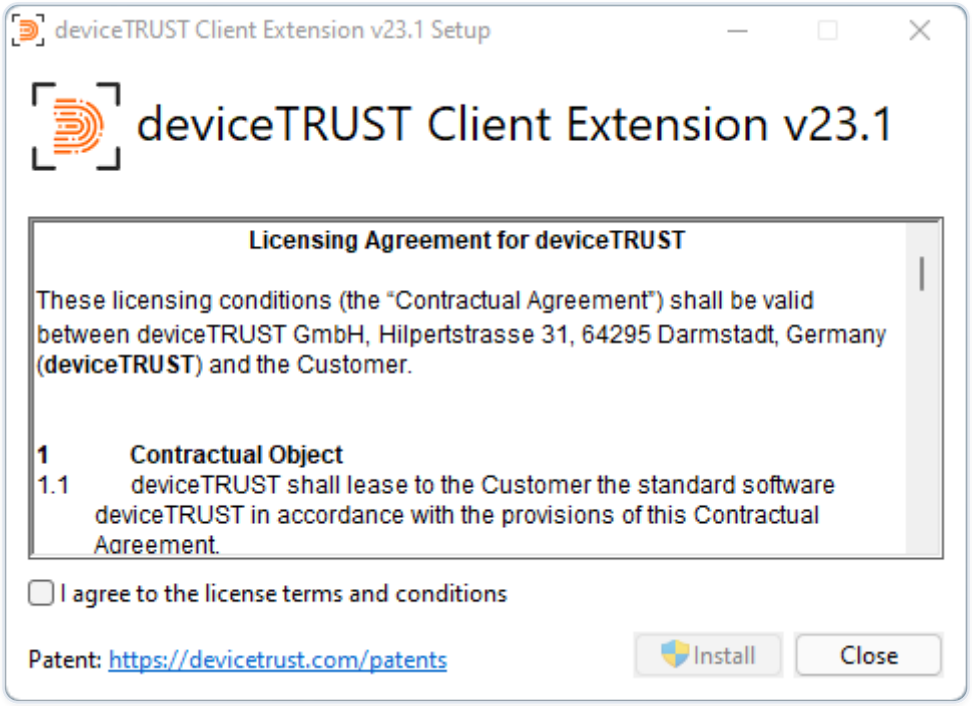
- Option 1: Install the latest Citrix Workspace™ app
- Option 2: Install the deviceTRUST Client Extension on Microsoft Windows
- Client Extension Installation Command Line Options
- Option 3: Unattended Installation
- Active Setup Components
- deviceTRUST Channel Registration 64-bit component
- deviceTRUST Channel Registration 32-bit component
- deviceTRUST Citrix Cleanup 32-bit component

Option 1: Install the latest Citrix Workspace app

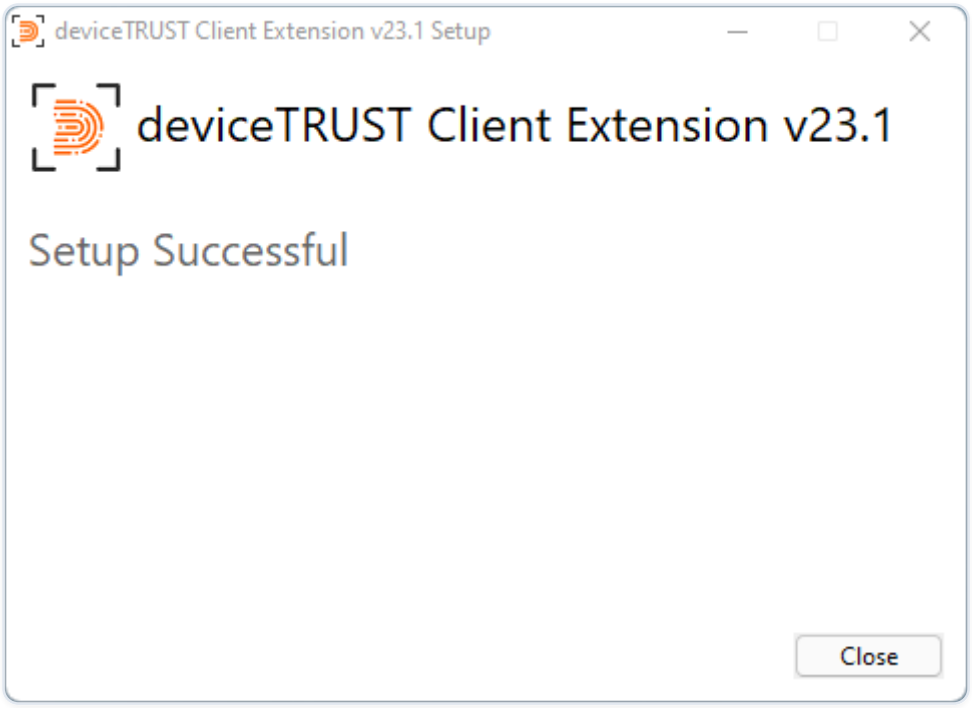
The deviceTRUST Client Extension for Microsoft Windows is now installed by default as part of Citrix Workspace app when using release 2503 or later. This can be downloaded from Citrix Downloads.

Option 2: Install the deviceTRUST Client Extension on Microsoft Windows

The deviceTRUST Client Extension for Microsoft Windows devices can be installed by following the steps of the installation.



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IMPORTANT:

When using Microsoft RDP or VMware Horizon, when installing with custom credentials the user must logoff from their session before the installation is effective.

Client Extension Installation Command Line Options

The following command line options are available to the deviceTRUST Client Extension installer:

- `DTCLIENT-EXTENSION-RELEASE-X.X.X.EXE /INSTALL|REPAIR|UNINSTALL` - Installs, repairs or uninstalls the deviceTRUST Client Extension.
- `DTCLIENT-EXTENSION-RELEASE-X.X.X.EXE /PASSIVE|QUIET` - Passive displays a minimal user interface with no prompts for input. Quiet displays no user interface.
- `DTCLIENT-EXTENSION-RELEASE-X.X.X.EXE /NORESTART` - Surpresses any attempt to restart the local device.
- `DTCLIENT-EXTENSION-RELEASE-X.X.X.EXE /LOG <log.txt>` - Logs to a specific file. By default, logs are created within %TEMP%.

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NOTE:

- One or more of the above options can be combined.
- The deviceTRUST Client Extension installer installs both the 32-bit and 64-bit deviceTRUST Client Extension components depending on the Windows operating system platform.

Option 3: Unattended Installation

The deviceTRUST Client Extension installer can be installed unattended from the command line interface with the following options:

COMPONENT	COMMANDLINE
dtclient-extension-release-x.x.x.exe	An unattended installation can be achieved with the following parameters: `DTCLIENT-RELEASE-X.X.X.EXE /INSTALL /QUIET`

Active Setup Components

The deviceTRUST Client Extension uses Active Setup to make changes to the users profile. This involves the creation of the following Active Setup components.

deviceTRUST Channel Registration 64-bit component

Registry Key: `HKLM\Software\Microsoft\Active Setup\Installed Components\{2f780db6-903f-4c83-9d60-9d138e054dc9}`

This Active Setup component is created during installation, and is responsible for the registration of the 64-bit Microsoft RDP Virtual Channel within the users profile. When not using the 64-bit Microsoft RDP Virtual Channel, it is safe to remove this key after the deviceTRUST Client Extension has been installed.

deviceTRUST Channel Registration 32-bit component

Registry Key: `HKLM\Software\Wow6432Node\Microsoft\Active Setup\Installed Components\{8a4445d6-867e-4e60-8cc5-05bc2e3a2512}` (or `HKLM\Software\Microsoft\Active Setup\Installed Components\{8a4445d6-867e-4e60-8cc5-05bc2e3a2512}` on a 32-bit OS)

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This Active Setup component is created during installation, and is responsible for:

- The registration of the 32-bit Microsoft RDP Virtual Channel.
- The registration of the 32-bit Citrix ICA® Virtual Channel with per-user installations of Citrix Workspace within the users profile.
- The registration of the 32-bit Amazon WorkSpaces Virtual Channel with per-user installations of Amazon WorkSpace within the users profile. When not using 32-bit Microsoft RDP or per-user installations of Citrix Workspace App or Amazon WorkSpaces Client, it is safe to remove this key after the deviceTRUST Client Extension has been installed.

deviceTRUST Citrix Cleanup 32-bit **component**

Registry Key: `HKLM\Software\Wow6432Node\Microsoft\Active Setup\Installed Components\{3d65bd68-a307-4d64-af9c-17bc9c4b36e3}`

This Active Setup component is created during uninstallation and is responsible for removing the registration of the 32-bit Citrix ICA Virtual Channel with per-user installations of Citrix Workspace within the users profile. When not using per-user installations of Citrix Workspace, it is safe to remove this key after the deviceTRUST Client Extension has been uninstalled.

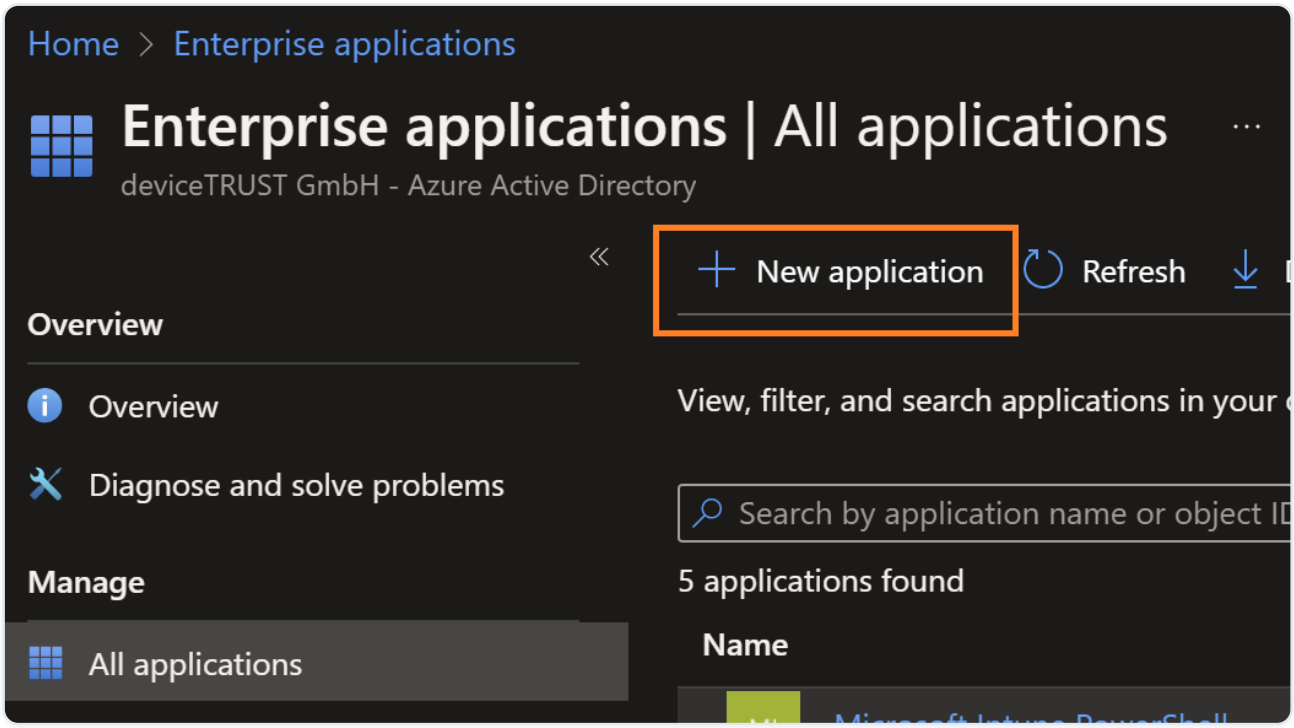
Azure Enterprise Application for AAD Conditional Access integration

This article describes how to set up and configure an Enterprise Application in Microsoft Azure to be used with the deviceTRUST Azure Conditional Access Integration.

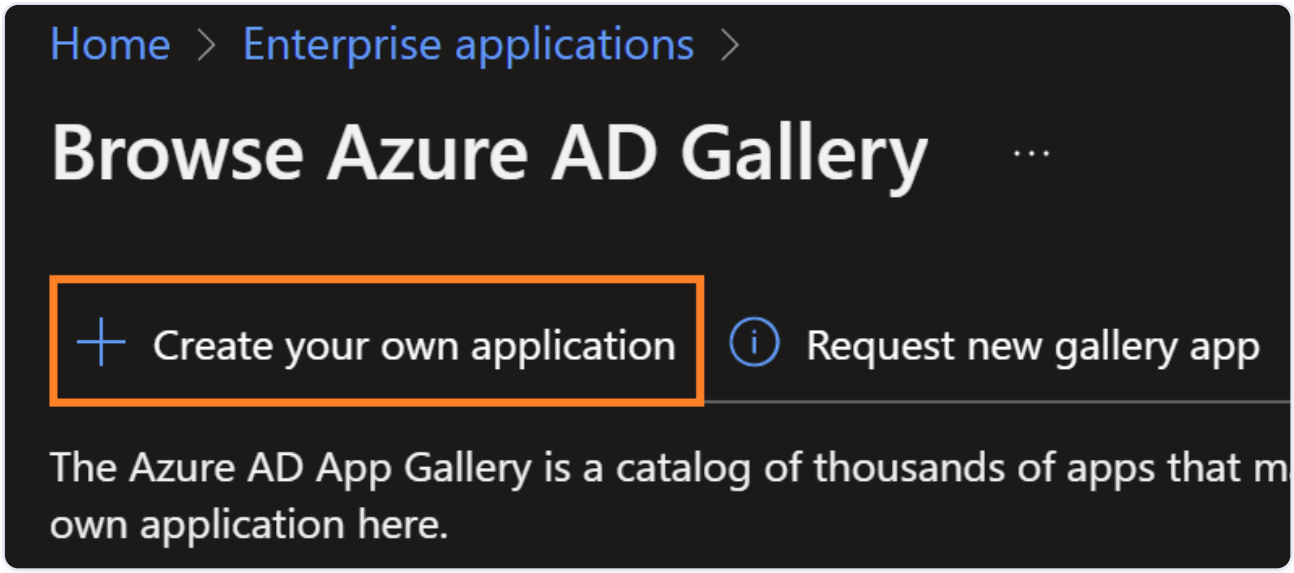
Integrating deviceTRUST with Azure Conditional Access requires the dT Agent being able to send data to the Azure control plane. Therefor, an Enterprise Application is utilized.

The first step is to log on to you Azure subscription with an appropriate account and head over to "Enterprise Applications". There you click "New application"

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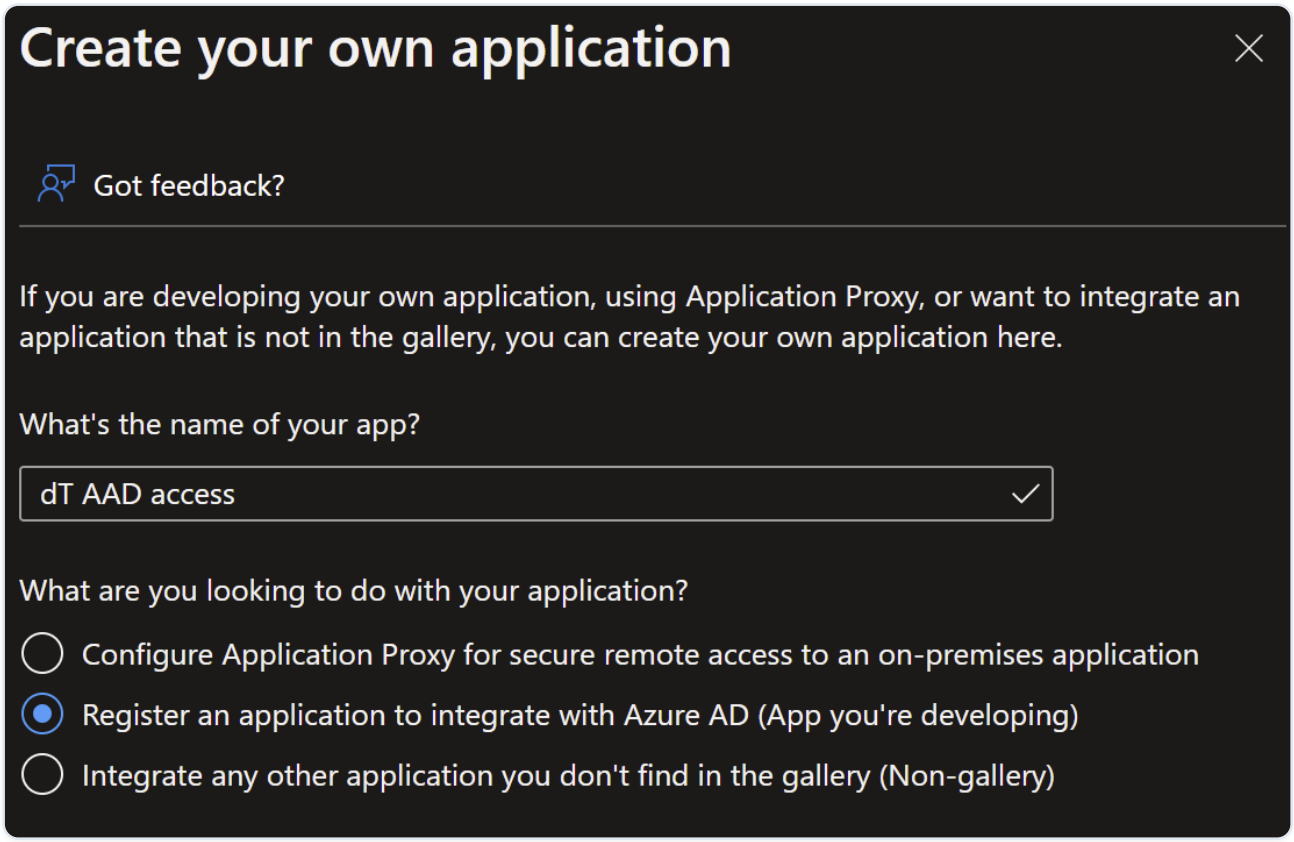


Choose "Create your own application"

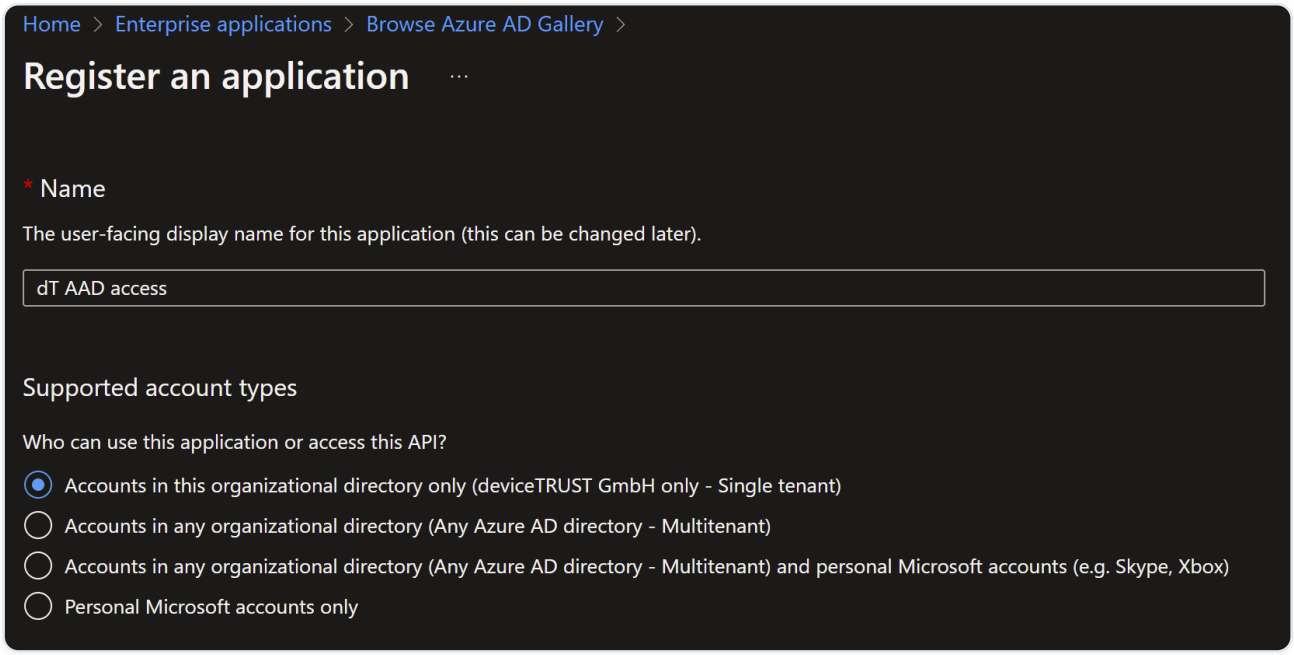


Give the application an name of your choice and select "Register an application to integrate with Azure AD (App you're deploying)"

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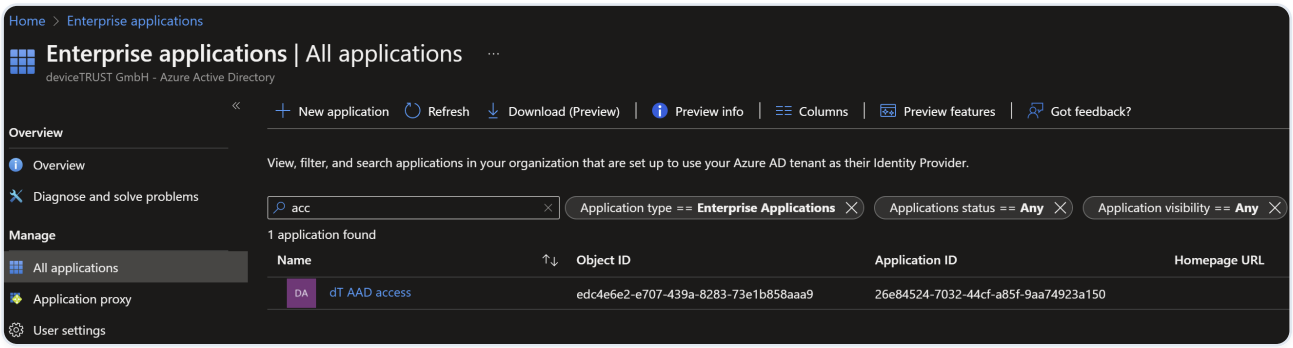


Stick to the name and select "Accounts in this organizational directory only"

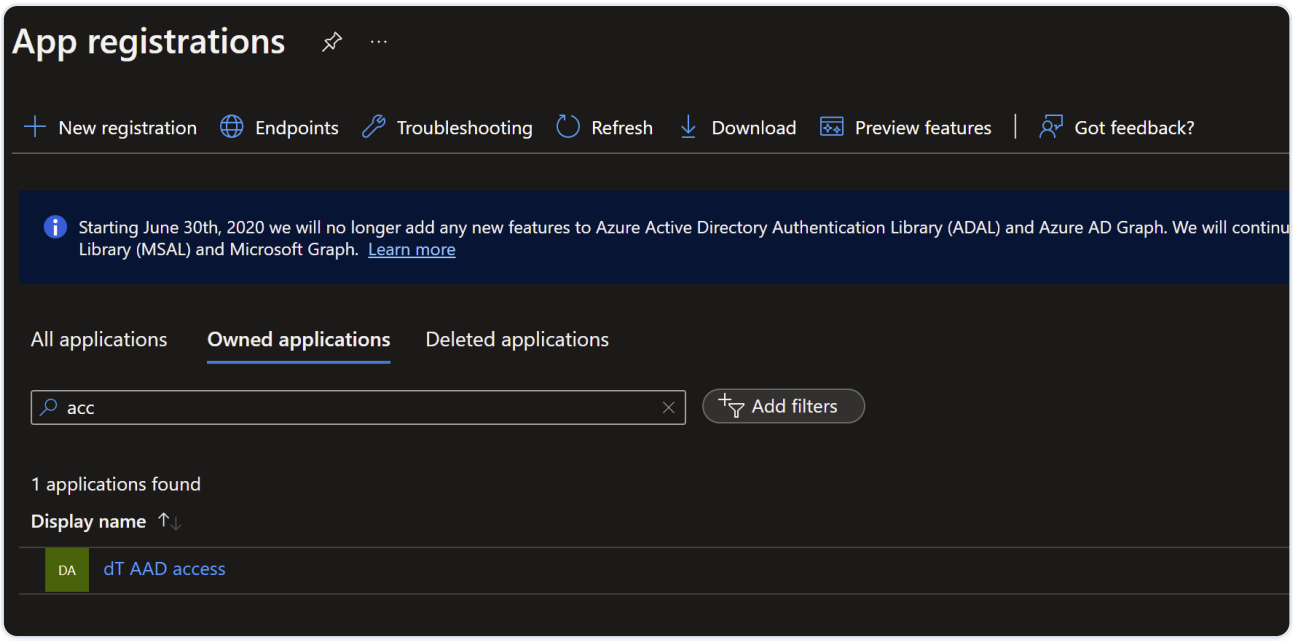


You'll find your application listed in the Enterprise Application menu

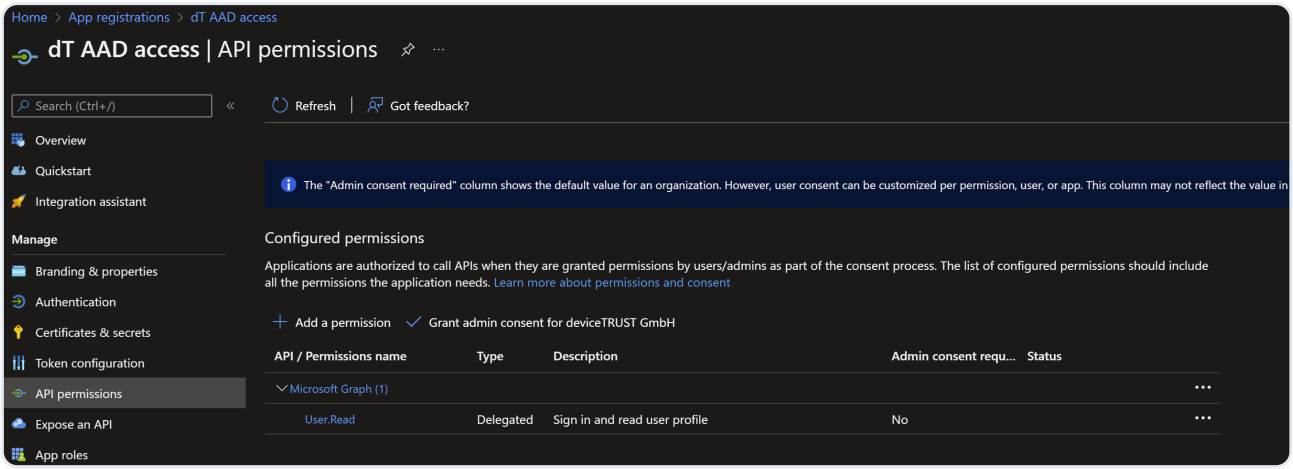
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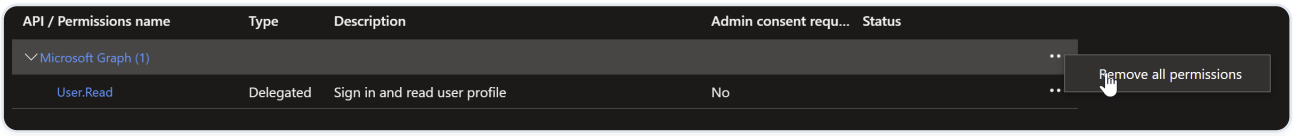
Now head over to "App registrations". There you'll find the created app:



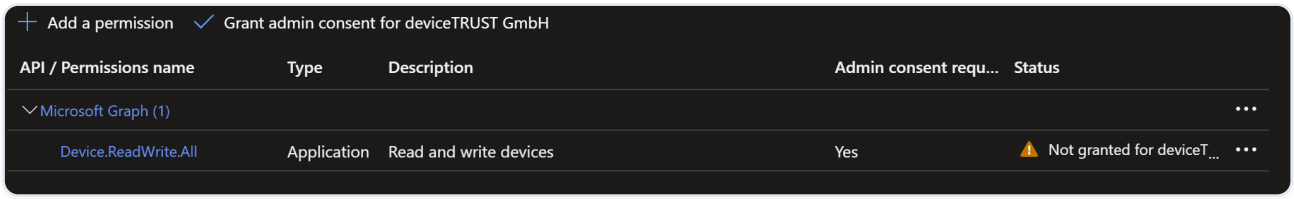
Edit the app and select "API permission" from the menu on the left.



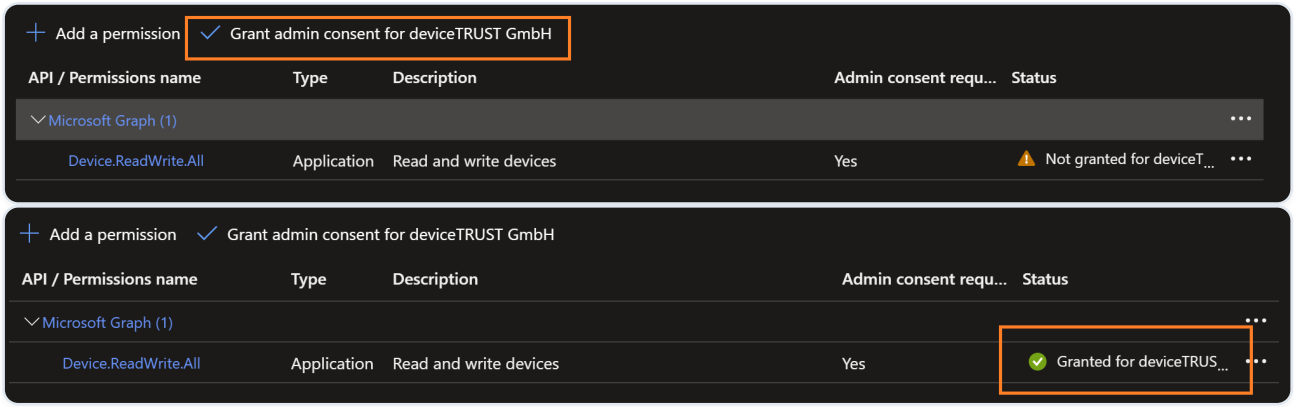
Eliminate "User.Read" here and add "Device.ReadWrite.All"



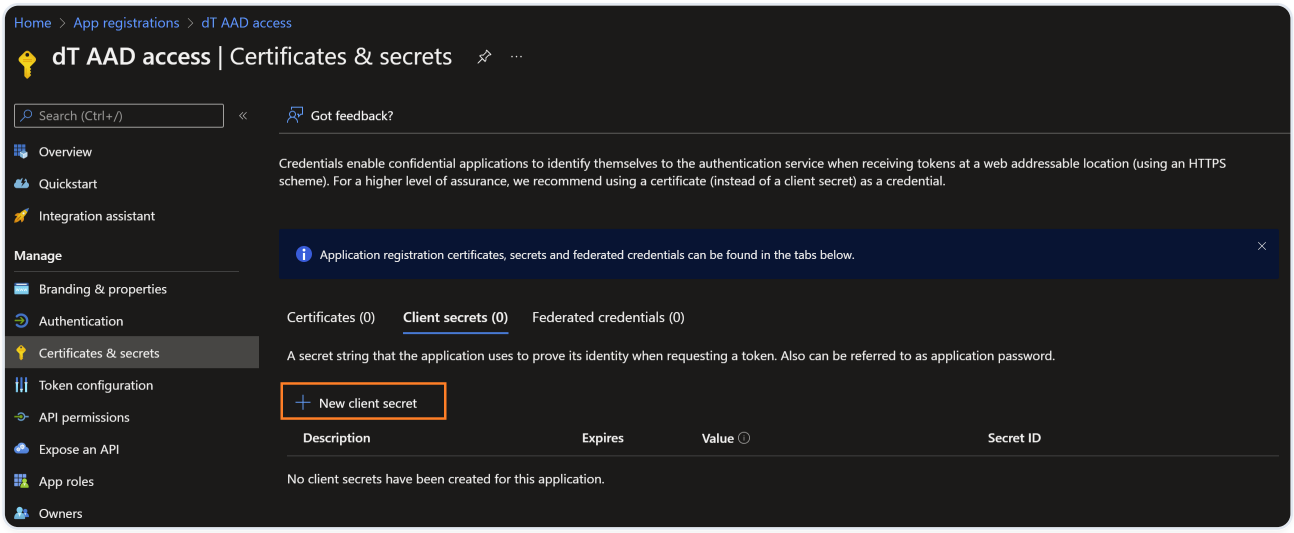
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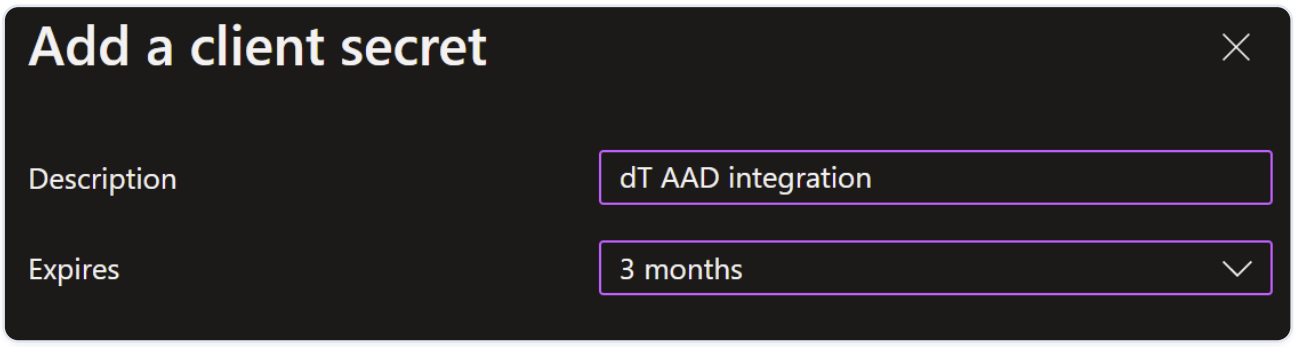
The newly added API permissions need to be consented.



Your app is now fully configured. Next, you'll have to create a secret which will let you use the apps remotely. In your app's menu, you'll find "Certificates and secrets". Click "New client secret" here.

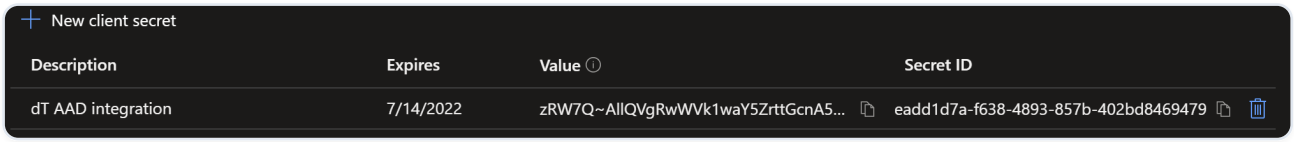


Set name and expiry to your likes. Be sure to remember the expiry date!



Copy the created "Value". It will only be displayed once!

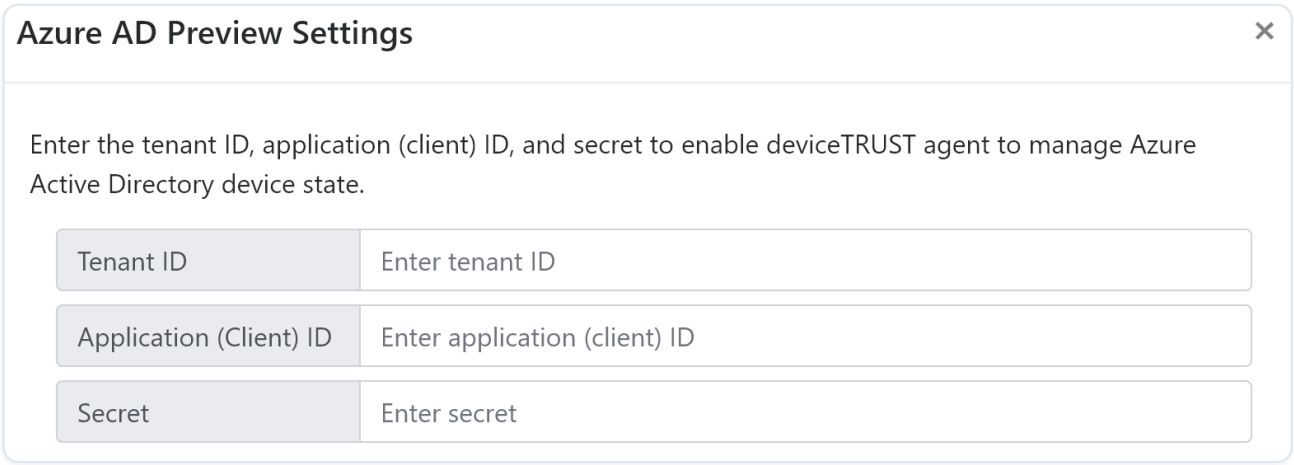
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You should no be able to provide the following information:

- Tenant ID: Your AAD tenant's ID
- Enterprise Application (client) ID: The ID of the newly created Enterprise Application
- Secret: the "Value" from the generated client secret

Finally, the details of the created Enterprise Application can be entered in the deviceTRUST Console (Settings\Azure AD Preview Settings):



Check that your contexts are correctly defined

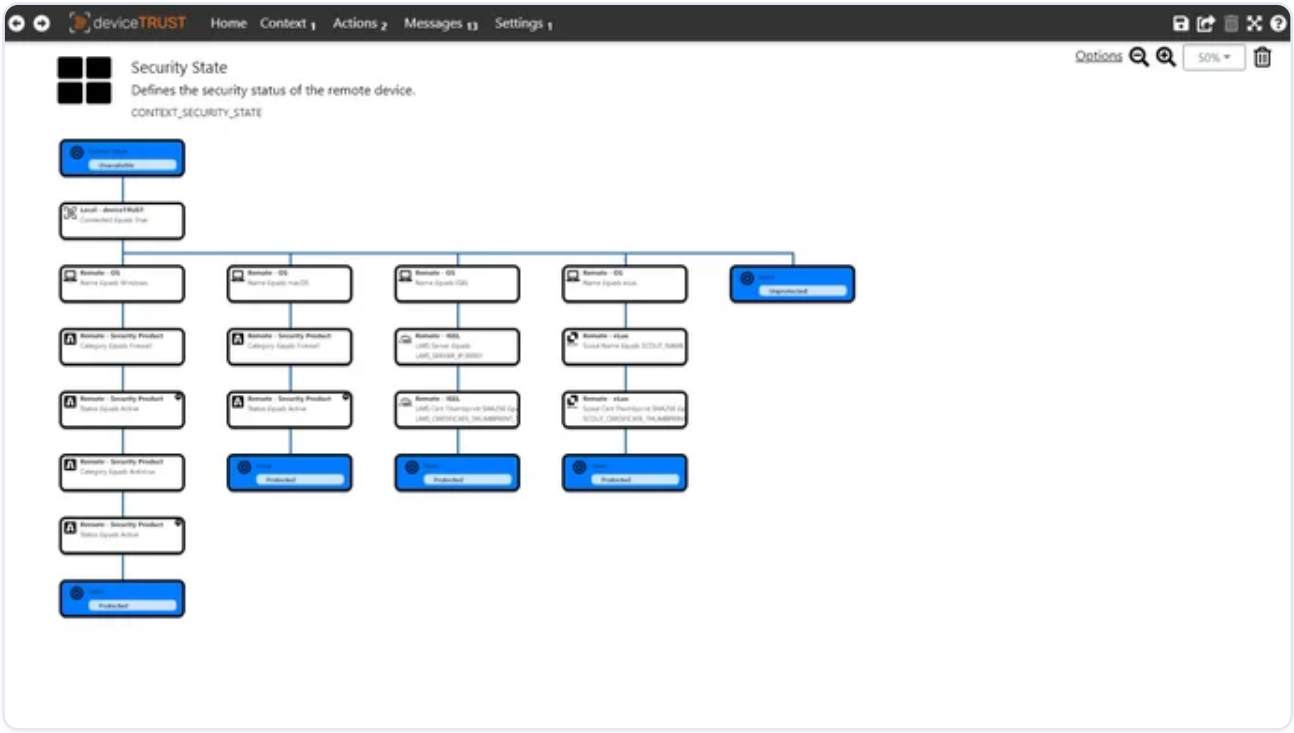
The contexts and their logical status must be correctly defined. Inaccuracies in the logic can have an undesirable impact on the user.

To analyze what exactly led to the undesired action, it is necessary to check the status of the respective context for its correctness.

In the following example, the context SECURITY STATE was defined, which indicates the security state of the remote device the user uses to access the virtual session. Based on the logical configuration of the context SECURITY STATE, the values UNAVAILABLE, PROTECTED, and UNPROTECTED can be reported back.

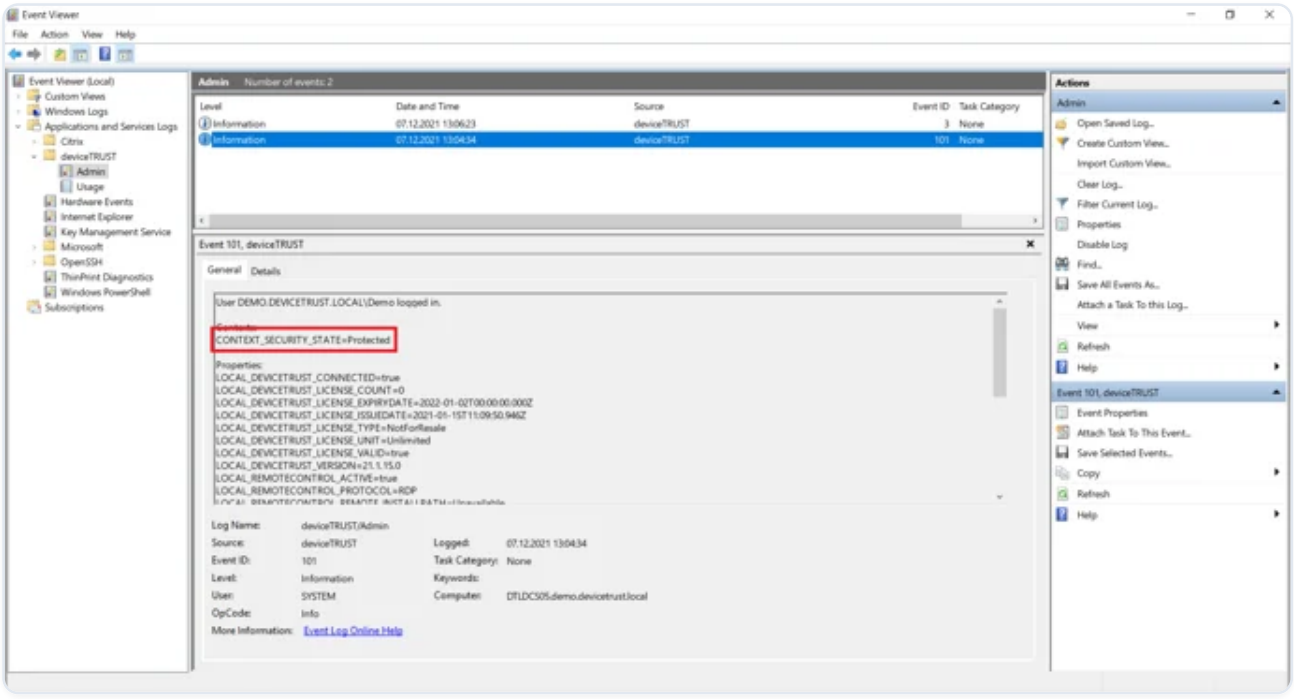
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The Security State Context



The context value evaluated for a user session can be seen by opening the Windows Event Log on the host system and navigating to APPLICATION AND SERVICE LOGS\DEVICETRUST\ADMIN. Event ID 101 is raised during logon and details the properties and context of the users' virtual session.

Virtual session properties and contexts

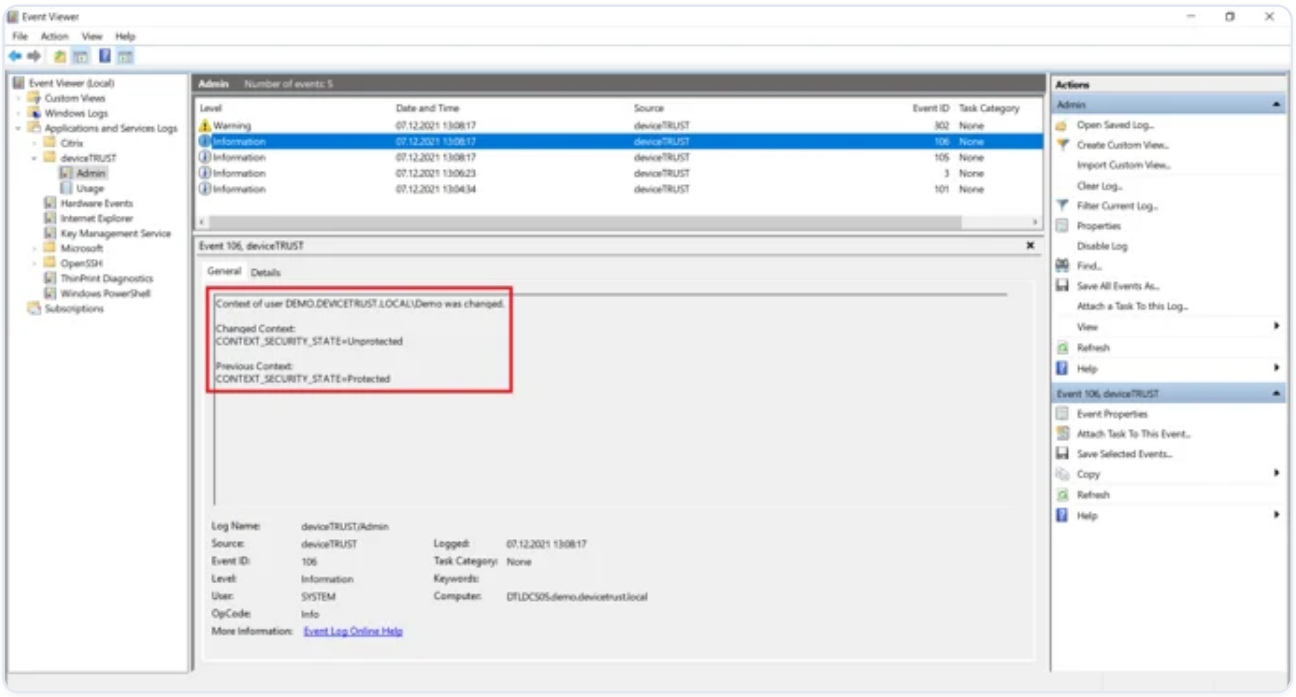


In the above example, we can force a context change on the remote device by, for example, disabling Microsoft Defender Firewall and looking at how the corresponding context updates. To

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check this, open the Windows Event Log on the host system, navigate to APPLICATION AND SERVICE LOGS\DEVICETRUST\ADMIN, and check for Event ID 106, which is raised whenever a context changes value within the users' session.

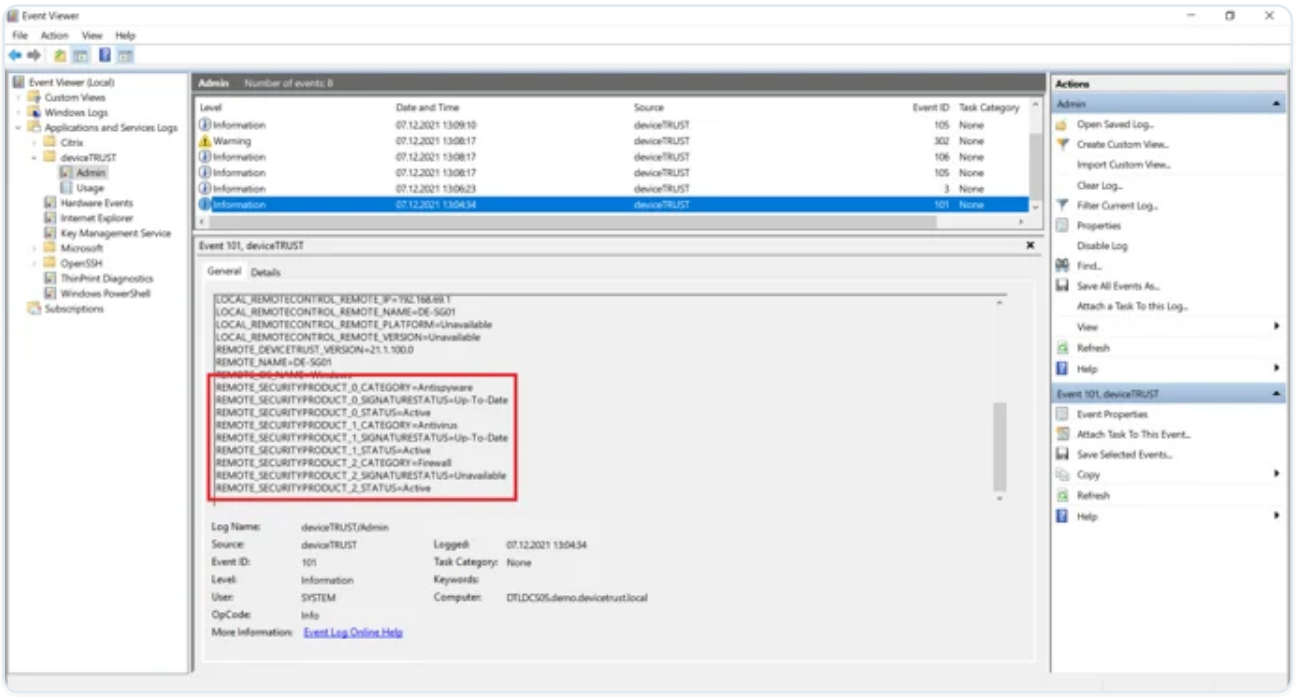
Context change audit event



If the context takes the correct value, the logic for the context definition is correct. If not, the individual properties used within the context definition should also be checked. Check within your context definition which properties are used for the logic and check the accuracy of the logic based on the submitted properties and adjust them if necessary. To do this, open the Windows Event Log on the host system, navigate to APPLICATION AND SERVICE LOGS\DEVICETRUST\ADMIN, and check for Event ID 101, which details the properties and context of the users' virtual session.

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Session properties and contexts



Multi-Hop with deviceTRUST

deviceTRUST supports different Multi-Hop scenarios. Read how they work and how they can be implemented.

Imagine you have clients, be they from inside your organization or outside, which access a server or workstation inside your network. To reach this target, they must pass through one or multiple hops, for example in a multiple DMZ structure. You could now either want information from the initial client or even from any hop in between to be available in the target or another hop.

There are three different approaches regarding such scenarios. These are explained here.

All three approaches can be used as mixed scenarios, of course.

Managed Hops

The "Managed Hops" scenario brings information from a client machine to a target machine, passing over one or multiple hops. On the target, Context will be evaluated and actions will be executed.

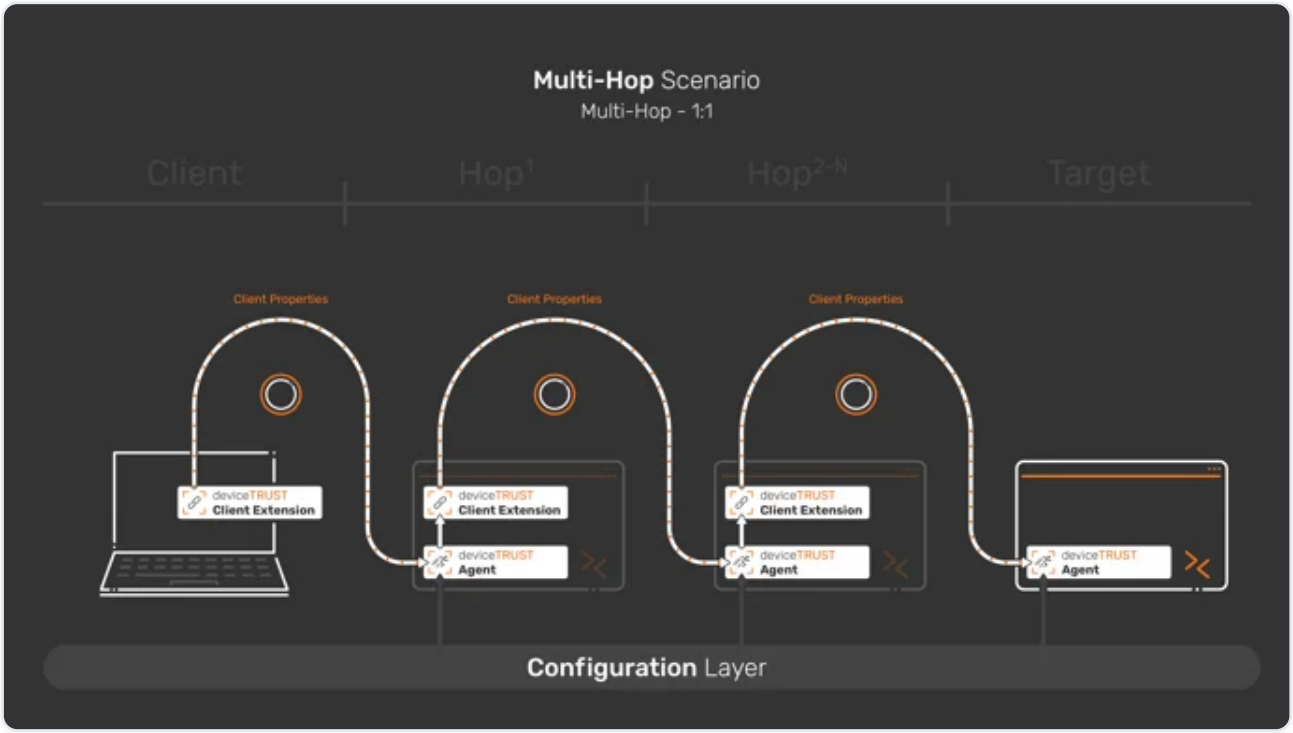
In this scenario, all hops as well as the target require a licensed deviceTRUST Agent to be installed and configured.

The following configuration elements are required:

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Machine	Software	Configuration
Client	deviceTRUST Client Extension	None
Hop1	deviceTRUST Client Extension deviceTRUST Agent	Evaluate Properties
Hop2 - HopN	deviceTRUST Client Extension deviceTRUST Agent	Forward Properties
Target	deviceTRUST Agent	Build Context Run Actions

This is how the implementation looks from an architectural view.



Unmanaged Hops

The "Unmanaged Hops" scenario brings information from a client machine directly to a target machine, passing over one or multiple hops. On the target, Context will be evaluated and actions will be executed.

In this scenario, only the target requires a licensed deviceTRUST Agent to be installed and configured. The hops use a special function of the deviceTRUST Client Extension (available from Version 21.1.314) to forward the properties.

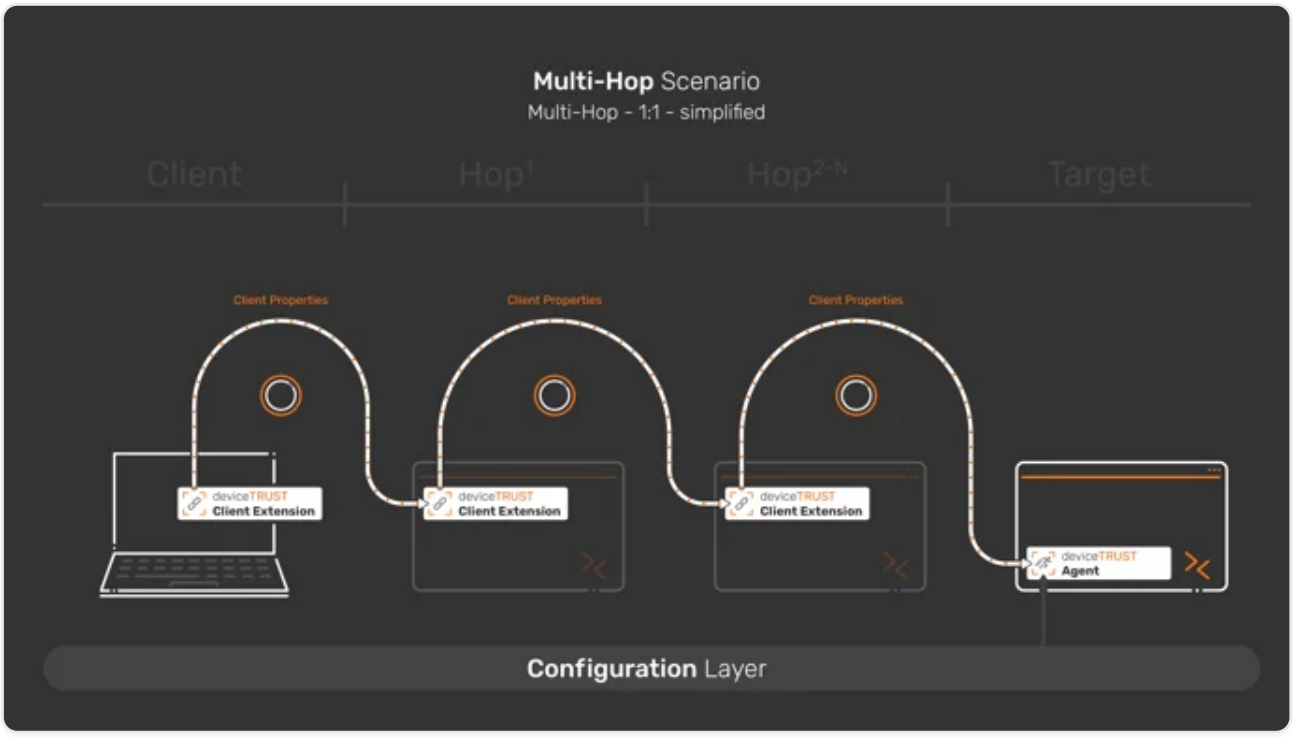
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If the deviceTRUST Client Extension discovers an upstream connection (e.g. Client to Hop1) and does not recognize a deviceTRUST Agent, but a deviceTRUST Client Extension on Hop1, it will attempt to communicate further. This will happen on every hop until a deviceTRUST Agent is found. Then, a secure channel will be established between the deviceTRUST Agent and the deviceTRUST Client Extension on the user's device. The secure channel is then used to fetch properties from the user's device.

The following configuration elements are required:

Machine	Software	Configuration
Client	deviceTRUST Client Extension	None
Hop1 - HopN	deviceTRUST Client Extension	None
Target	deviceTRUST Agent	Evaluate Properties Build Context based on Properties Run Actions

This is how the implementation looks from an architectural view.



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Managed Hops with Properties

This scenario collects additional properties from the intermediate hops. deviceTRUST can gather data from any hop in a multi-hop scenario and use the information on any subsequent hop and the target.

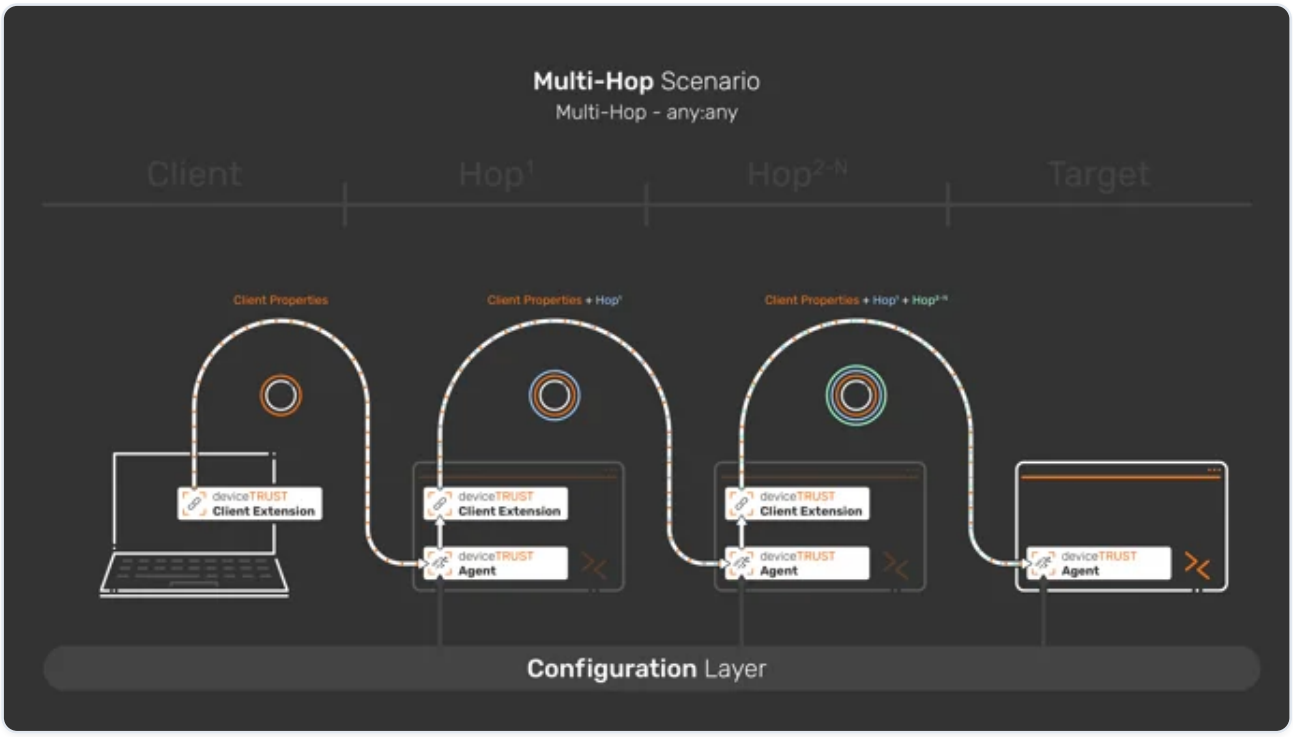
You might, for example, want to know that a user only hopped over machines that are joined to your domain and thus controlled and secured by your organization, when accessing the target session. Or you could make sure the user took a pre-defined path, hopping through your DMZ structure. These scenarios would require evaluating information not only on the user's device but also on the hops along the chain.

The following configuration elements are required:

Machine	Software	Configuration
Client	deviceTRUST Client Extension	None
Hop1 - HopN	deviceTRUST Client Extension deviceTRUST Agent	Evaluate Remote Properties Evaluate Local Properties Evaluate Multi-Hop Properties Build Context Run Actions Push Properties forward
Target	deviceTRUST Agent	Evaluate Remote Properties Evaluate Multi-Hop Properties Build Context Run Actions

This is how the implementation looks from an architectural view.

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Process monitoring

Use deviceTRUST to check for running processes and react with appropriate controls. In this example, we check for sharing tools and block the access to a remote session, if such is running.

With release 21.1.200 and later , we added a method for checking for running processes on Windows devices. This can be either local devices (Fat Clients) or remote devices (e.g. in a Citrix or AVD environment).

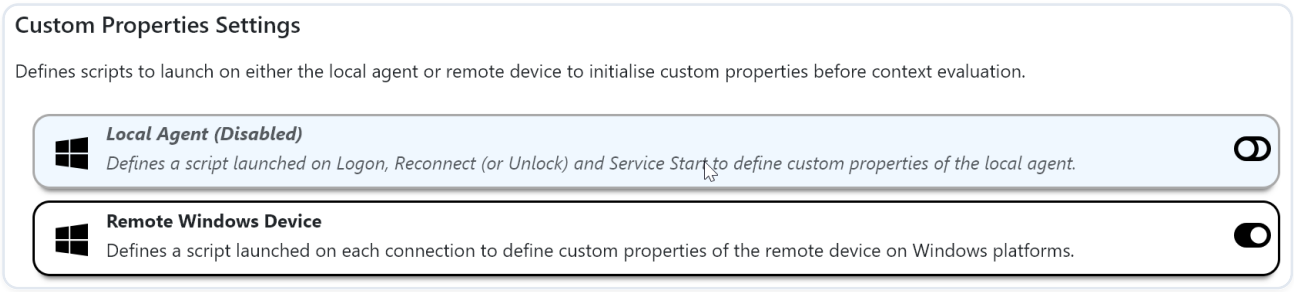
This article describes how you can use deviceTRUST to check for running processes on a remote device in a remoting scenario and apply controls inside the remoting session.

As processes, we will use "Snipping Tool" and "Zoom", the control will be to block the remote session, so no data can be shared.

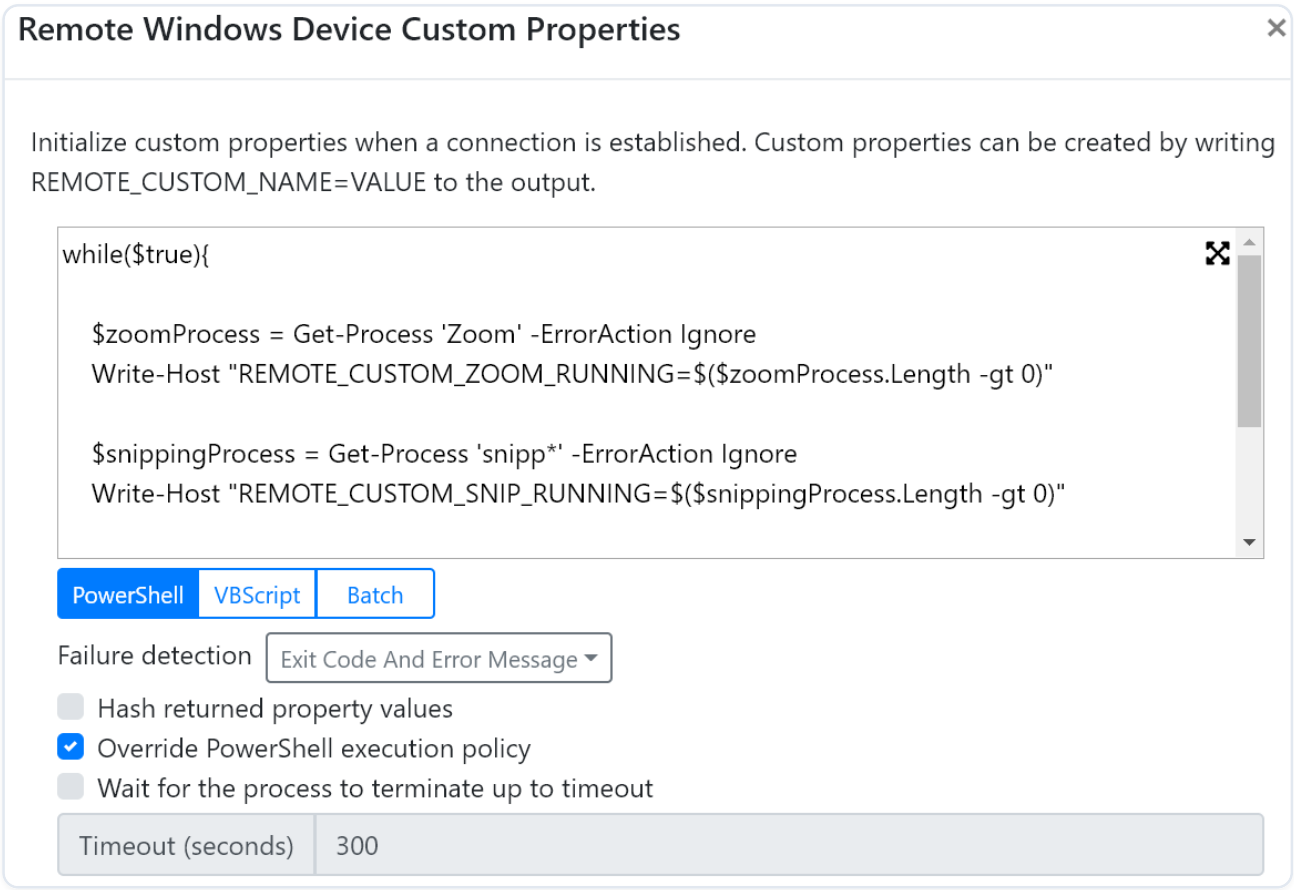
Script based process monitoring: The current release allows you to control all running processes based on script execution. This gives you the freedom to configure any process of your needs and also use script logic to configure more detailed evaluation.

deviceTRUST uses so called "custom properties" to evaluate individual information. These custom properties are the base for the process evaluation configuration. Head over to "Settings\Custom Properties" in the deviceTRUST console to create your config. We'll use "Remote Windows Device" here, as this example uses a remoting scenario.

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You'll find a field that will contain your evaluation script here.



The following code can be used as example for your process checking configuration.

```
while($true){

    $zoomProcess = Get-Process 'Zoom' -ErrorAction Ignore

    Write-Host "REMOTE_CUSTOM_ZOOM_RUNNING=$($zoomProcess.Length -gt 0)"

    $snippingProcess = Get-Process 'snipp*' -ErrorAction Ignore

    Write-Host "REMOTE_CUSTOM_SNIP_RUNNING=$($snippingProcess.Length -gt
0)"

    Write-Host "CONTINUE"
```

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```
    Sleep -Seconds 1

}
```

First: Create a non-exiting loop that is continuously runs on the device:

```
while($true){

}
```

Second: Add code to find your running process (Get-Process 'name') and create a custom deviceTRUST variable based on that information.

```
$zoomProcess = Get-Process 'Zoom' -ErrorAction Ignore

Write-Host "REMOTE_CUSTOM_ZOOM_RUNNING=$($zoomProcess.Length -gt 0)"



$snippingProcess = Get-Process 'snipp*' -ErrorAction Ignore

Write-Host "REMOTE_CUSTOM_SNIP_RUNNING=$($snippingProcess.Length -gt 0)"
```

Third: Adding "Write-Host CONTINUE" to the script will make deviceTRUST run the script in background.

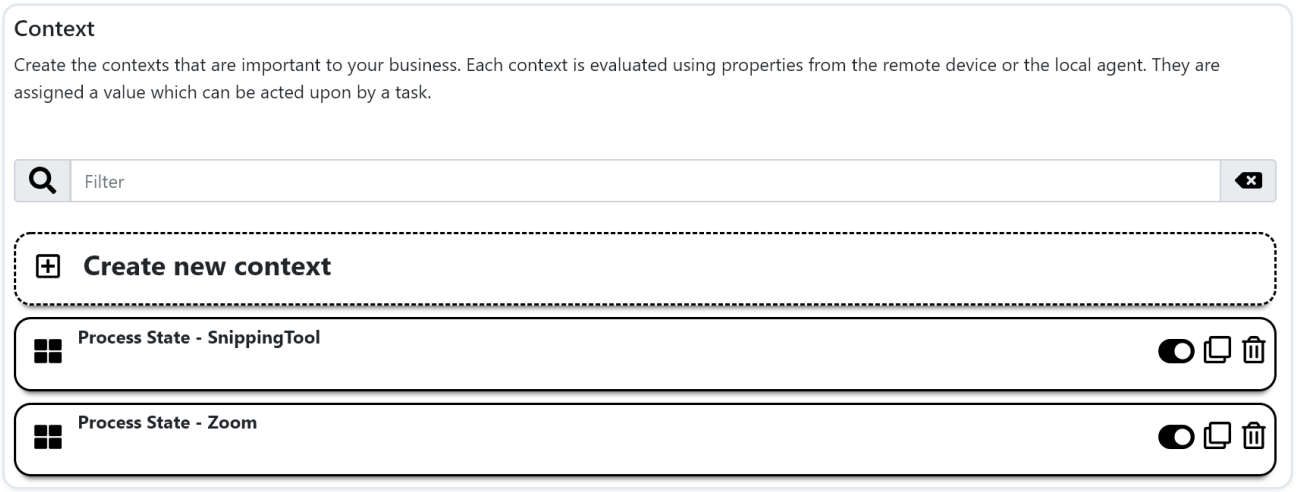
```
Write-Host "CONTINUE"
```

Fourth: Add a timeout of your choice. A 1 second loop should do fine in most cases.

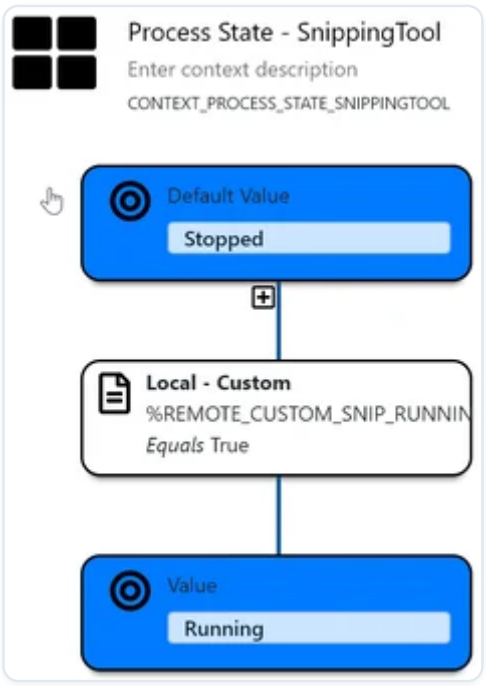
```
Sleep -Seconds 1
```

Create Contexts to use the evaluated data: The "Custom Properties" script creates internal variables. Those need to be made available internally by creating matching contexts.

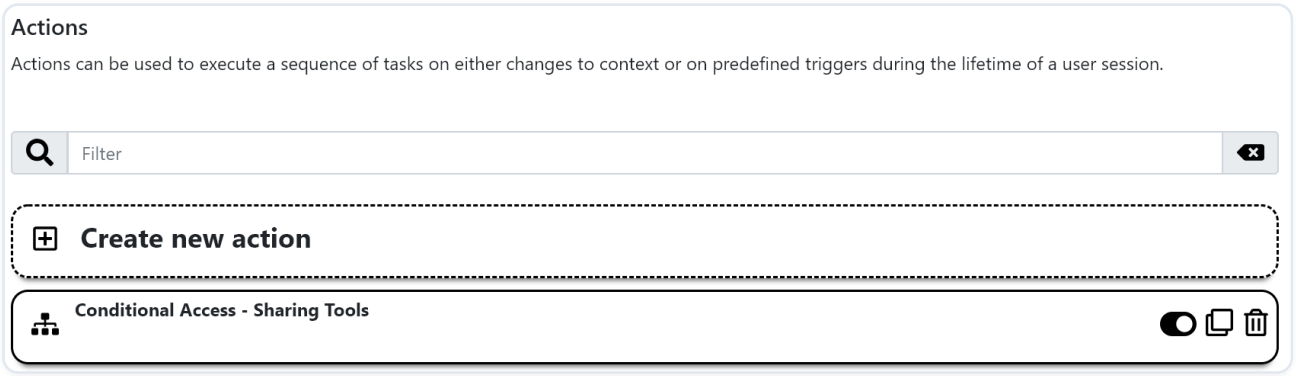
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Default value will be "Stopped" (or similar). The context will report "Running", if a "Local Custom" check is matched.

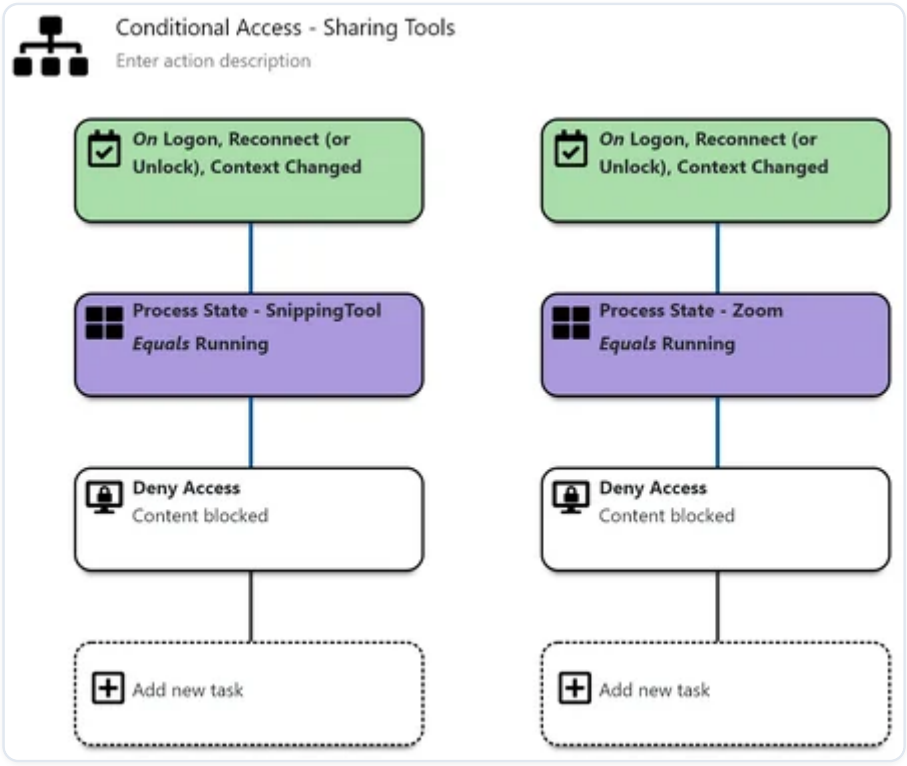


The "Local custom" check evaluates the variable that you set in the "Custom Properties" script. If the variable's value is "True", The Context will report "Running".



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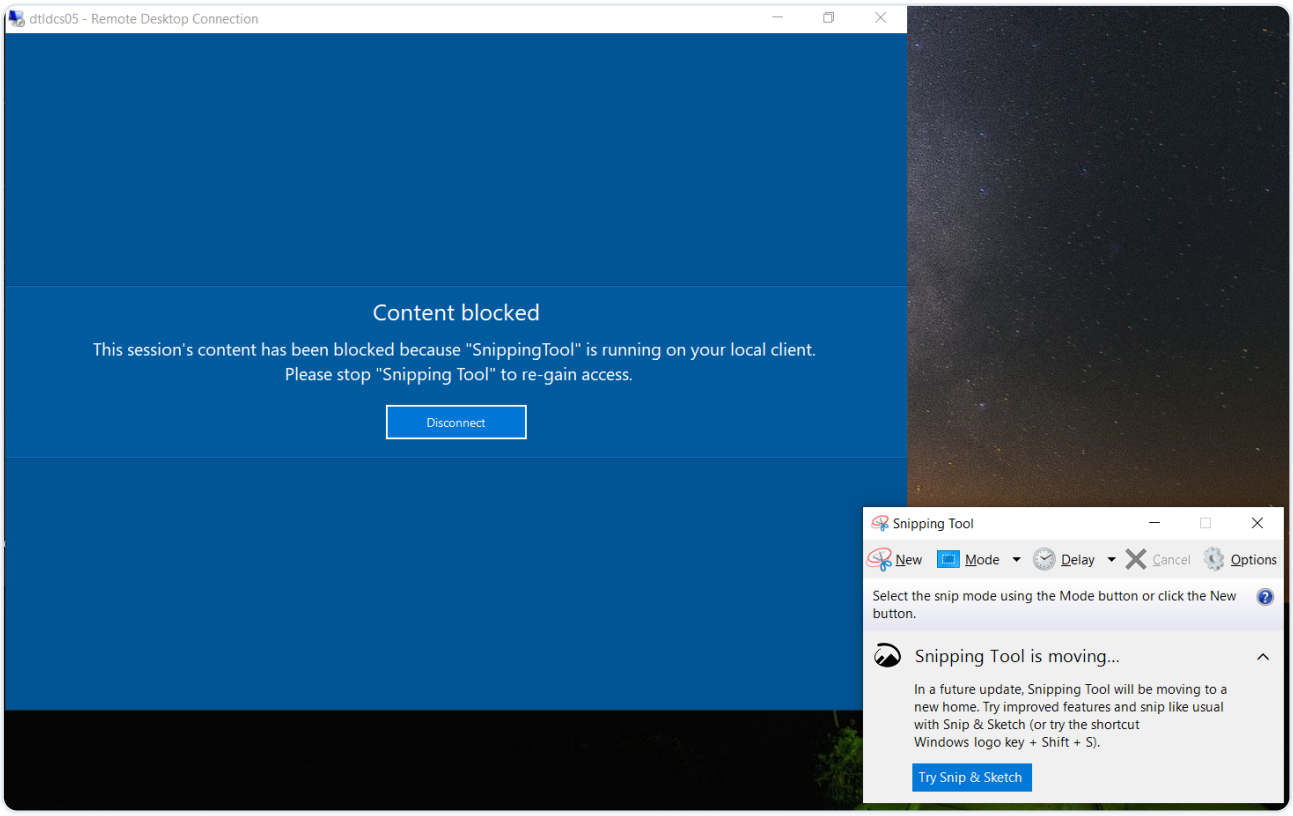
Create an action that blocks access: If you find on of the configured processes running, you might want to block access to you remote session. This way, a user cannot share the content. You'll need to create an action to do so.



Configure the action to react on your configured processes. In this example, both "Zoom" and "Snipping tool" will trigger a "Deny Access" Task.

Outcome: Having the configuration in place, your remote sessions will deny access as soon as a user starts one of the configured processes / applications on her local device. This way, deviceTRUST will help protecting your sensitive data and information.

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deviceTRUST® + Apple Silicon support

Apple Silicon, the most powerful chip designed specifically for the Mac. Amongst all of the powerful features there are a couple of things to note when using the intel based remoting clients alongside deviceTRUST on an M1/M2 capable Mac.

Native support for Apple Silicon

This has been added in the latest release of the deviceTRUST Client Extension version 21.1.300.

This requires a remoting client that is also built with native Apple silicon support. and is therefore currently supported with the following clients:

- Citrix Workspace App for macOS v22.11.0.12 or later.
- FreeRDP v2.8.2 or later.
- VMware Horizon View v8.7.0 or later.

Remoting clients that do not support Apple Silicon

Earlier versions of the above technologies may still require Rosetta translation. For example, Citrix added support for the Apple silicon M1 chip in Workspace version 2101. In order to use 3rd party virtual channels with Workspace there is a dependency on Rosetta 2 being installed. Without

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Rosetta these virtual channels may not work in Citrix Workspace app on macOS Big Sur 11.0 and later. More information on this can be found here.

Other remoting technologies that do not currently support Apple Silicon will also require Rosetta 2 to be installed. The latest deviceTRUST Client Extension is compatible with this configuration.

Rosetta 2

Rosetta is Apple's tool for translating code intended for Intel processors so that the M1 chip understands it. Rosetta 2 should mean that most existing Mac apps will run on the new M1 Macs. More information on how to install Rosetta on your Mac can be found here.

If you are intending to run deviceTRUST Client Extension 21.1.300 on an M1 mac with a remoting technology that does not support Apple Silicon

- Install remoting client
- Install Rosetta 2
- Install deviceTRUST Client Extension 21.1.300

deviceTRUST® + CVE-2021-44228 "Log4Shell"

If you have opened Twitter, LinkedIn or basically anything with Internet access since last Thursday, you will have heard of "log4j" or "Log4Shell". There are already heaps of very good sources on the details of this security issue. Please refer to those if you wish to get more insight:

- CVE – CVE-2021-44228 (mitre.org)
- Log4j – Apache Log4j Security Vulnerabilities
- Zero-Day Exploit Targeting Popular Java Library Log4j (admin.ch)
- Zero-day in ubiquitous Log4j tool poses a grave threat to the Internet (Ars Technica)

You might be wanting to take a look at the list of affected software to make sure you can take the right measures authomize/log4j-log4shell-affected (github.com).

That being said: deviceTRUST does not use any Apache JAVA components at all. Though we use a server-client-concept in some situations, none of our components include JAVA code in general or the affected libraries in special. deviceTRUST is, thus, not affected by CVE-2021-44228.

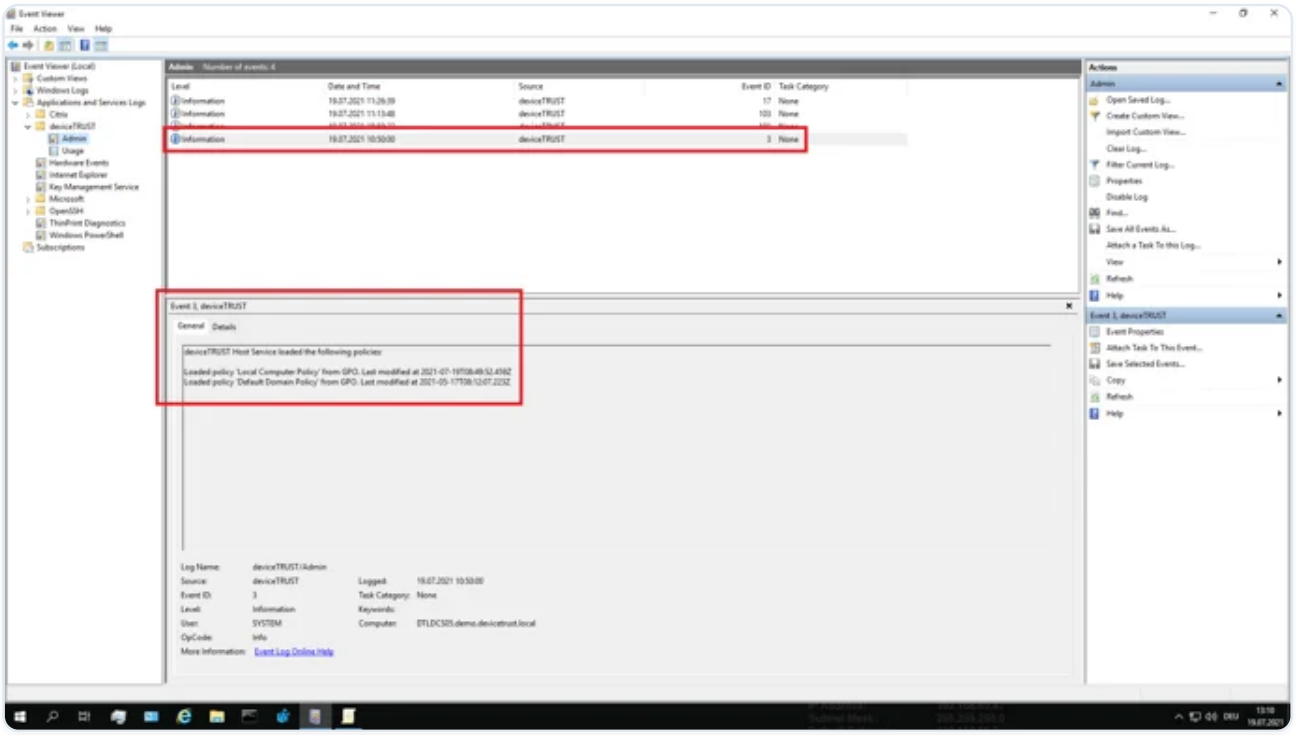
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Check that your contextual security policy has been saved and deployed

Ensure that your deviceTRUST contextual security policy has been saved within the deviceTRUST Console and successfully deployed to the host system.

To check which policies are effective, open the Windows Event Log on the remoting or DaaS host system, navigate to APPLICATION AND SERVICE LOGS\DEVICETRUST\ADMIN, and look for Event ID 3, which details the name of each policy and the timestamp that it was last modified.

The deployed policies



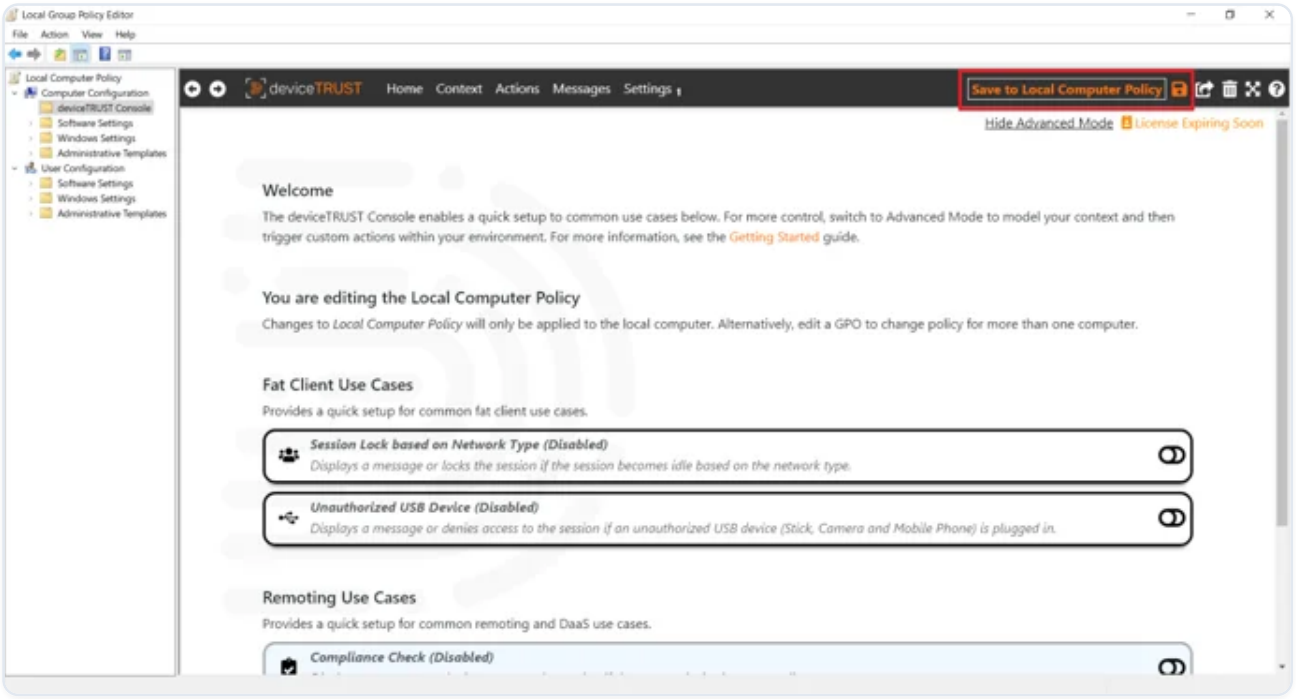
NOTE:

User sessions get their deviceTRUST policies during login and are active until the session is logged out. If newer contextual security policies are deployed on the remoting or DaaS host during this time, they will not affect running user sessions, only new logins.

Save the policy

If the policy is not listed or does not have the expected timestamp, ensure that you have successfully saved the policy from within the deviceTRUST Console.

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Next, the policy must be successfully deployed to the remoting or DaaS host system. The method used to deploy the policy depends on where the changes were saved.

Local Policy

When using local policy, no additional steps need to be taken to enable the updated contextual security policy for the deviceTRUST Agent.

Group Policy Object (GPO)

When using group policy, a Group Policy update should be forced on the remoting or DaaS host system to propagate an update of the contextual security policy. Of course, waiting for the next group policy refresh is possible, but for testing purposes, this can be forced directly with a call to GPUPDATE /TARGET:COMPUTER. After the updated contextual security policy is successfully deployed to the remoting or DaaS host system, the deviceTRUST Agent will use it immediately.

File-based

When using a file-based policy, the updated contextual security policy is copied to the appropriate target directory as a file-based policy on the remoting or DaaS host system. After the updated file-based contextual security policy is copied to the target directory, the deviceTRUST Agent will use it immediately.

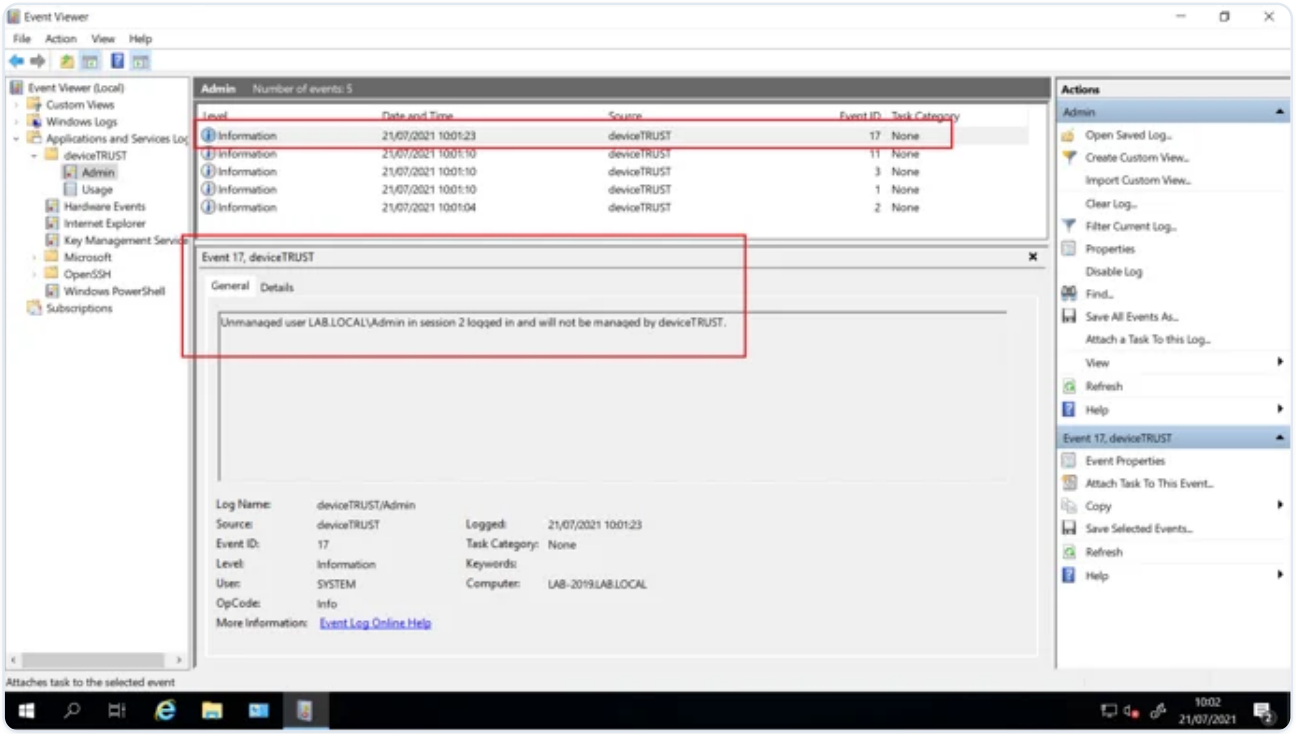
Check that the user is managed by deviceTRUST

The deviceTRUST contextual security policy defines the users that will be managed by deviceTRUST. By default, this does not include members of the local administrators group.

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To check if an unmanaged user has signed in, open the Windows Event Log on the remoting or DaaS host system, navigate to `APPLICATION AND SERVICE LOGS\DEVICETRUST\ADMIN`, and look for Event ID 17.

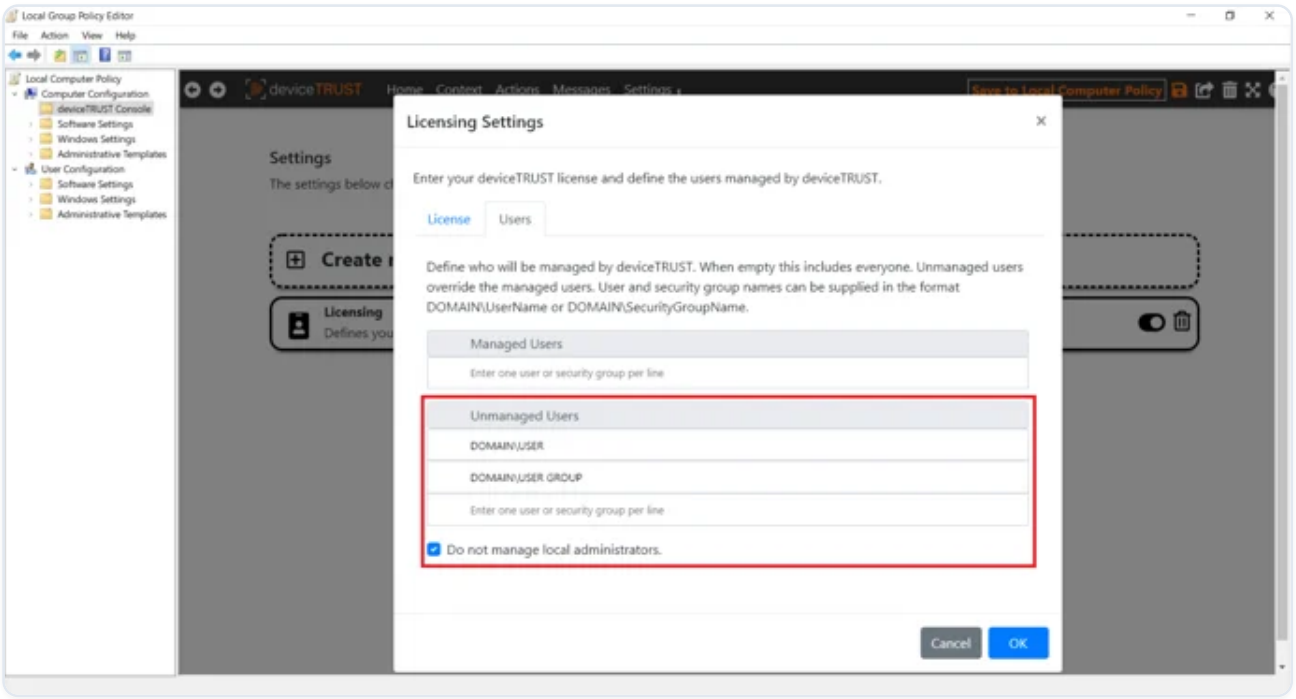
An unmanaged user signed in



To change the list of managed users, open your active deviceTRUST contextual security policy, navigate to DEVICETRUST CONSOLE, and click the SETTINGS tab. Select LICENSING, navigate to the USERS tab, and check that the user account is not configured in the UNMANAGED USERS directly or via group membership.

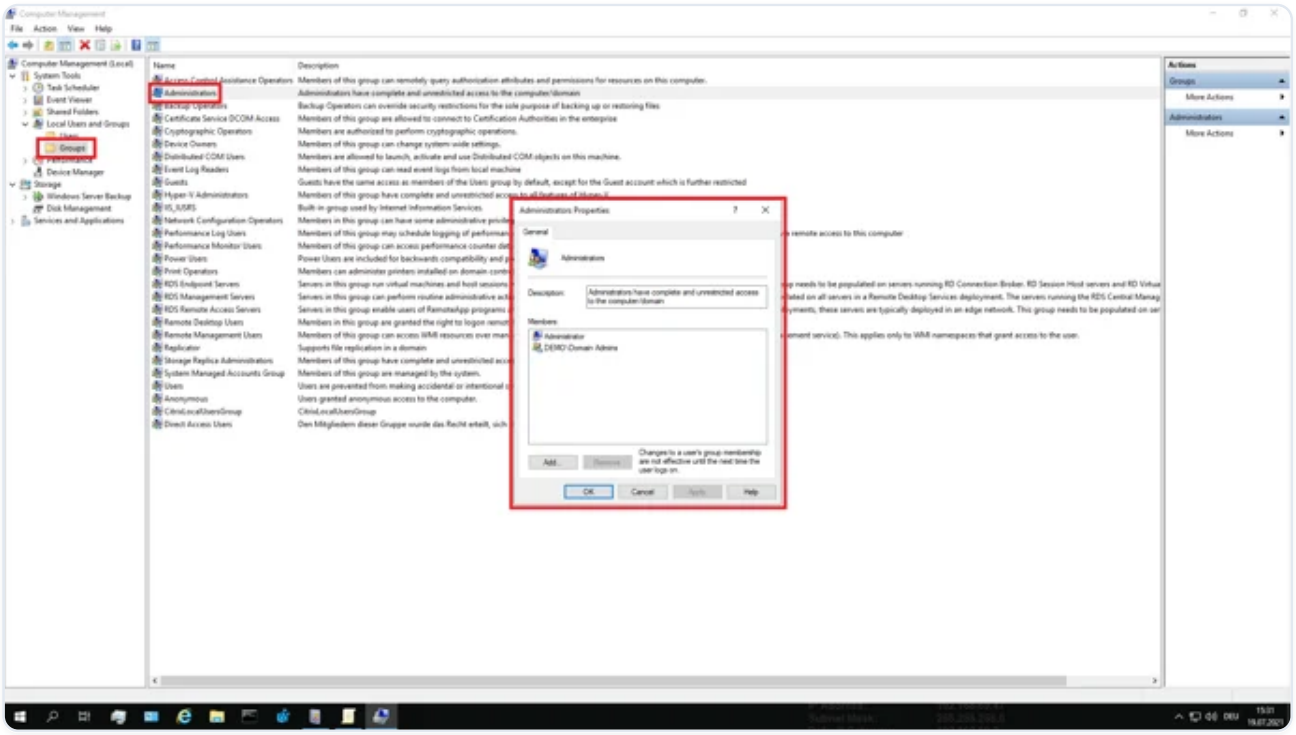
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Unmanaged Users



If deviceTRUST policies are still not applied to the user, check if the user account is a member of the local administrators group. To do this, start COMPUTER MANAGEMENT on the remoting or DaaS host system, navigate to SYSTEM TOOLS, select LOCAL USERS AND GROUPS, and check that the user is not a member of the ADMINISTRATORS group.

Administrative Users



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Custom Script Signing

All custom scripts executed on the local device by the deviceTRUST Agent, or on the remote device by the deviceTRUST Client Extension, must be signed and trusted by the device that they execute on. This impacts the Custom Properties Settings and also the Custom Process Task.

The method used to sign the custom scripts varies by platform.

- Custom Script signing on Microsoft Windows
- Custom Script signing on Linux
- Diagnosing script execution failures
- Custom script signing compatibility

Custom Script signing on Microsoft Windows

Custom Scripts on Microsoft Windows requires a signed and trusted PowerShell script.

Signing a PowerShell Script

Details of how to sign a PowerShell script can be found by running the PowerShell Cmdlet `Get-Help about_Signing`, or searching Microsoft's documentation for `about_Signing'.

Trusting the signing certificate

For a signed PowerShell script to be trusted by the Windows device that it executes on, the certificate that was used to sign the script must be present within the `Trusted Publishers` certificate store. Additionally, if the PowerShell script was signed by a self-signed certificate, the certificate must also be installed within the `Trusted Root Certificates` certificate store.

Validating the signed script

To validate that a signed PowerShell script can be executed on a device, run the PowerShell Cmdlet `Get-AuthenticodeSignature .\my_script.ps1` on that device, where *./my_script.ps1* is the name of your script.

The returned Status field should display the value `Valid`. If this value is not shown, confirm that the script was successfully signed, has not been modified since it was signed, and that the steps within the previous section have been followed.

Custom Script signing on Linux

Custom Scripts on Linux require a script and a corresponding signature file.

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Signing a script

Signing a script for execution on a Linux platform requires access to a certificate in PEM format, and the corresponding private key. To sign the script, run the following command:

`openssl cms -sign -in ./my_script.sh -binary -out ./my_script.p7s -signer ./my_certificate.pem -inkey ./my_private.key -outform DER`

NOTE

The script file *./my_script.sh*, certificate *./my_certificate.pem* and private key *./my_private.key* may need to be customised.

The signature is saved to file *./my_script.p7s*.

Once signed, the script and signature file can be uploaded into the deviceTRUST® Console.

Trusting the signing certificate

For a script to be trusted by the Linux device that it executes on, the certificate must be added to the trusted store. This can be achieved by copying the certificate to the certificate store and performing an update on the certificate store:

```
sudo cp ./my_certificate.pem /usr/local/share/ca-certificates/
my_certificate.pem

sudo update-ca-certificates
```

Validating the signed script

The logic for validating that a script has been signed is internal to the deviceTRUST Client Extension for Linux, however the following command should serve as a guide to validating the script has been successfully signed.

```
openssl cms -verify -in ./my_script.p7s -inform DER -content ./
my_script.sh -binary -CAfile ./my_certificate.pem
```

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Diagnosing script execution failures

To better understand failures to execute custom scripts, both on the local or remote device, please refer to the Product Events raised by the deviceTRUST Agent, in particular:

- Event ID 201: Custom Process Executed
- Event ID 202: Custom Process Succeeded
- Event ID 203: Custom Process Failed

Custom script signing compatibility

The requirement for all custom scripts to be signed was introduced in deviceTRUST 2507 and impacts both the deviceTRUST Agent and Client Extension.

The `deviceTRUST Agent 2507` and later can send signed PowerShell scripts to the `deviceTRUST Client Extension 2503 for Windows` or earlier. The scripts must have been signed with a Byte Order Mark (BOM), formatted as UTF-8 and with line separators that include a carriage return and newline.

The `deviceTRUST Agent 2507` and later cannot send signed scripts to previous releases of the `deviceTRUST Client Extension for Linux`. A compatible release will be available soon.

The `deviceTRUST Client Extension 2507 for Windows` can receive signed custom PowerShell scripts from `deviceTRUST Agent 2503` or earlier.

The `deviceTRUST Client Extension 2507 for Linux` cannot receive signed custom scripts from `deviceTRUST Agent 2503` or earlier.

Deny Access, Logout or Disconnect?

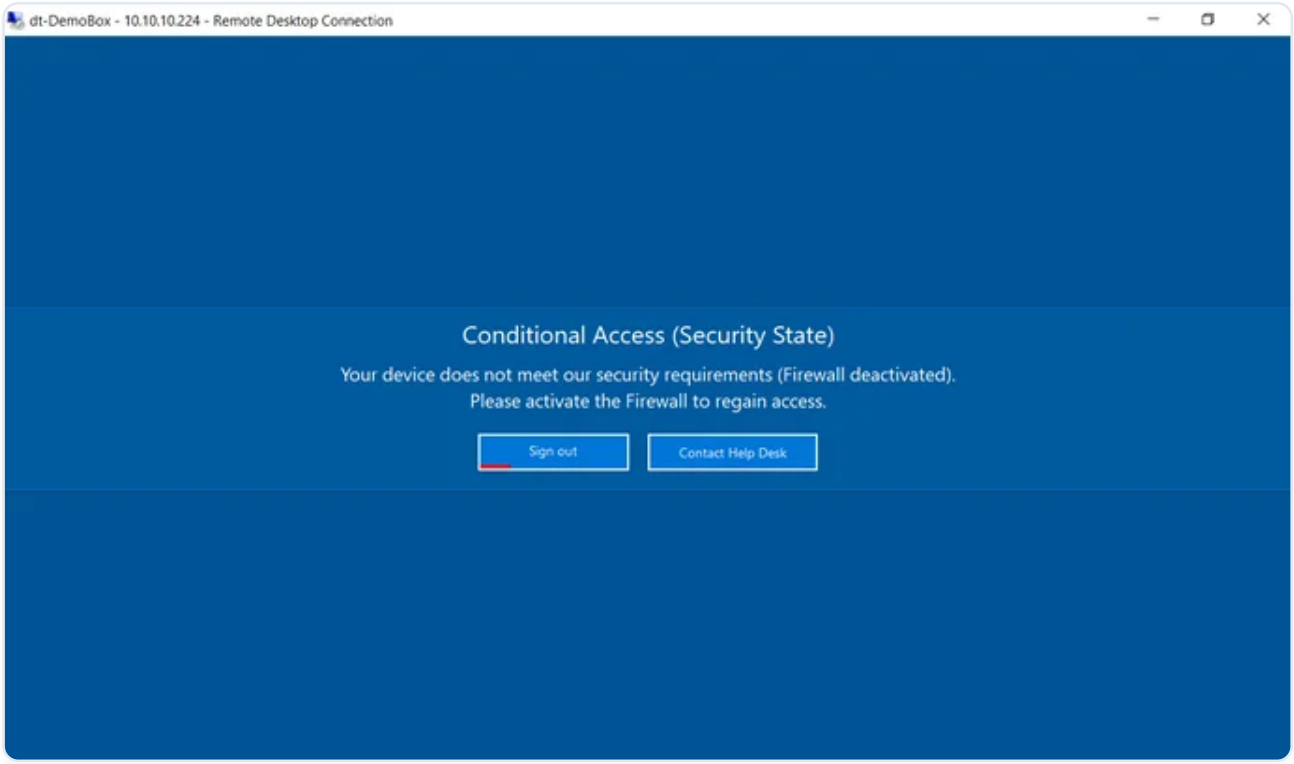
When access to a session is controlled with a Deny Access task, users will be presented with either a Disconnect or Sign out button. This article describes, when and why either will be used.

Inarguably deviceTRUST's most straightforward use case is conditional access, or - more specifically - conditional workspace access: The user's access to a remote session will be denied based on the individual Context.

Without further configuration, deviceTRUST will display a "Sign out" button or a "Disconnect" button when denying access. The distinction is made to adjust to the type of session the user has on the system.

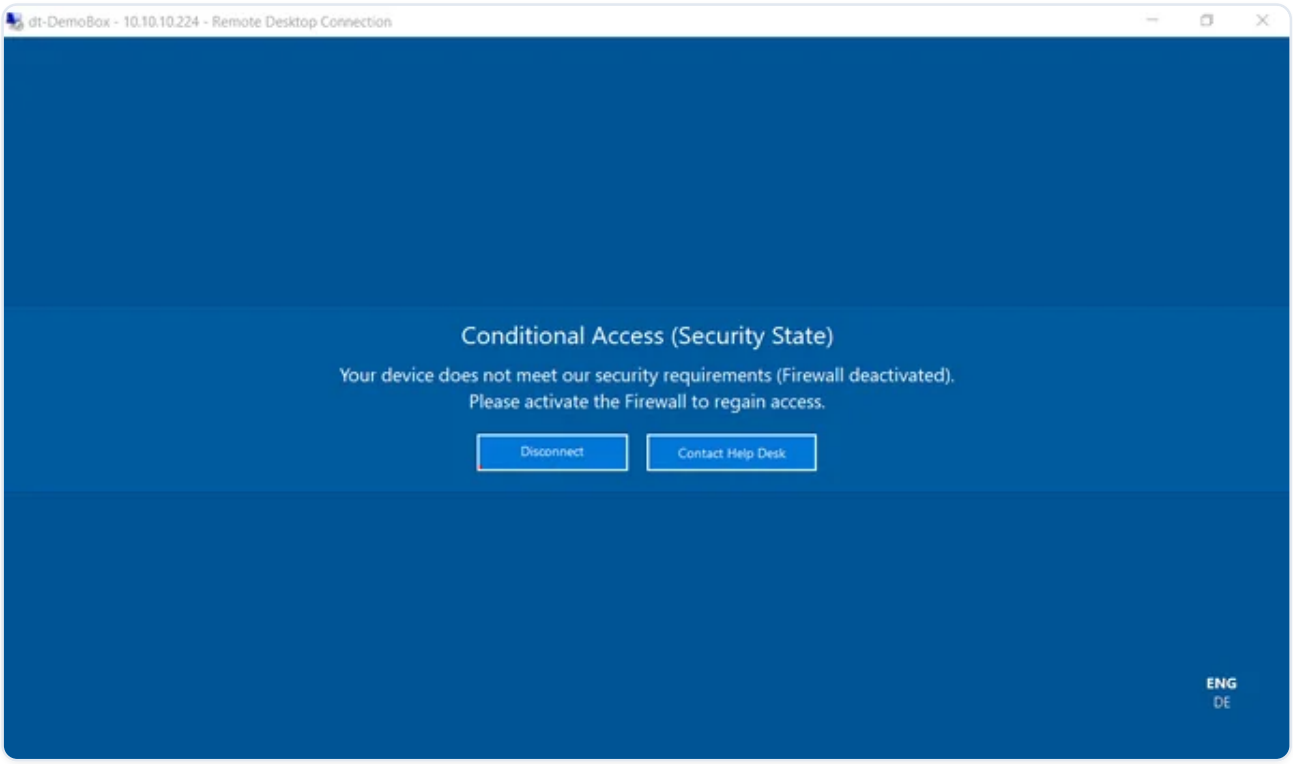
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If the user is just about to log on to a remote system and thus has not started any resources or software, deviceTRUST will present the "Sign out" button. In this case, we can be sure no unsaved data is lost when logging out the user. It is the most straightforward action to log out the user and - thus - save resources on the (remote) system.

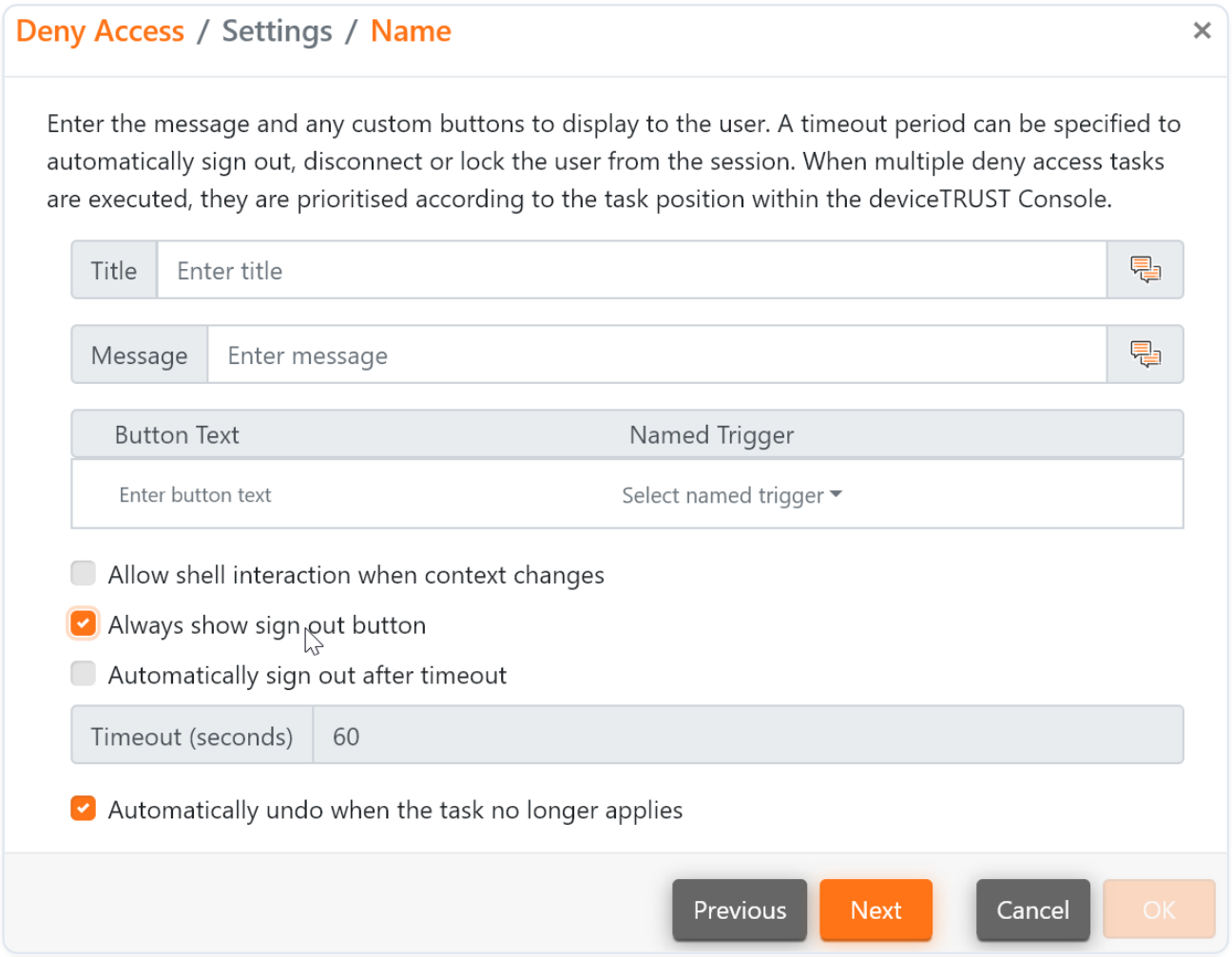


If the user has already started a session on the remote system, deviceTRUST will present a "Disconnect" button by default. This way, the session will be kept alive in the background, and the user can re-access it once the Context fits the requirements again. This way, we make sure unsaved work will not be lost. The disconnected session might be logged off automatically based on your configured policies.

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You'll find a switch to alter this behavior in the "Deny Access" task of your deviceTRUST Actions. The "Always show sign out button" check box will ensure users are only presented with the "Sign out" button, whether they have already launched a session and started applications or not.

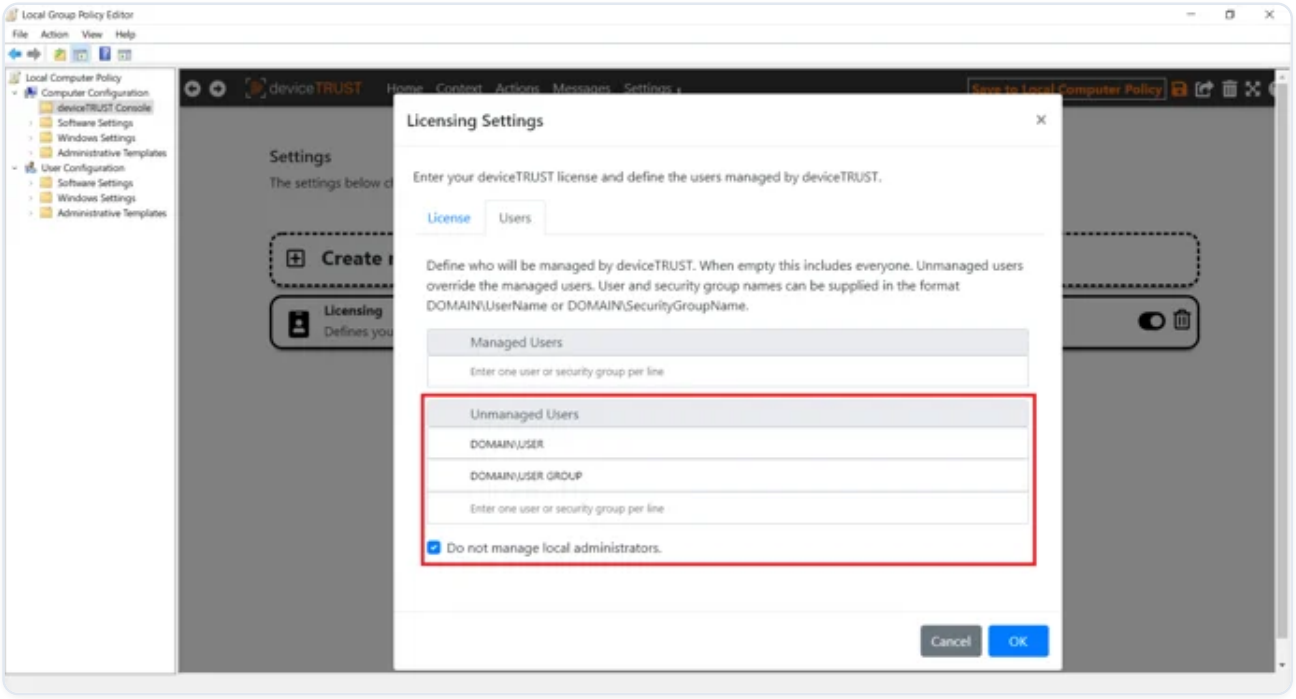


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Exclude specific users from the deviceTRUST policy

It may be necessary to exclude a user or user group from the deviceTRUST contextual security policy, for example, to quickly grant access independently of deviceTRUST on the host system.

To exclude a user, open your active deviceTRUST contextual security policy and navigate to DEVICETRUST CONSOLE and click on the SETTINGS tab. Select LICENSING, navigate to the USERS tab and add the user or the user group to the UNMANAGED USERS to exclude them completely from deviceTRUST.



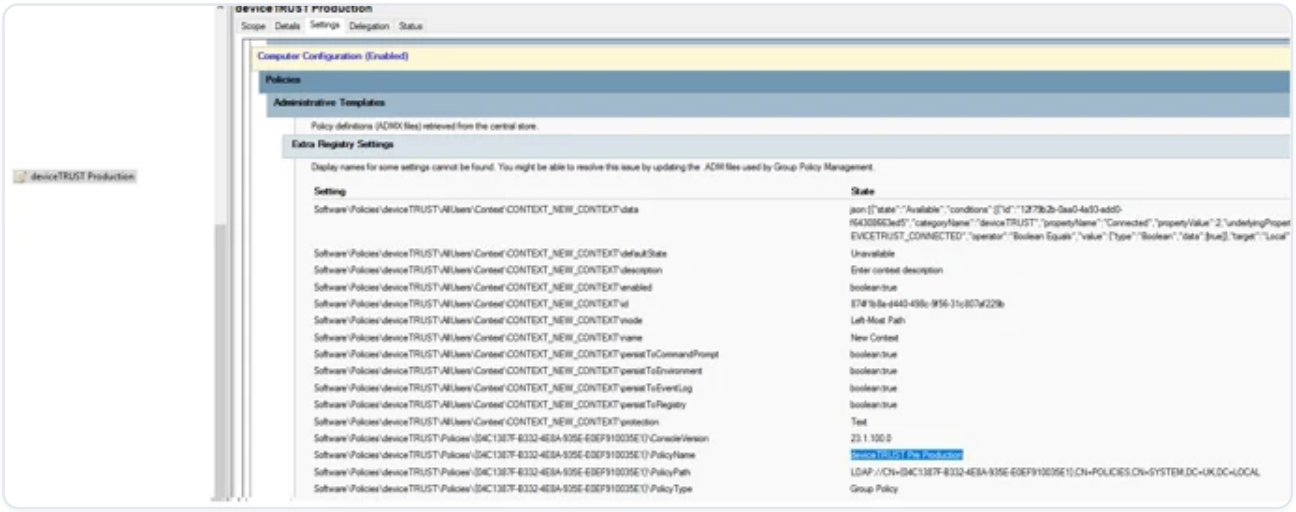
GPO name is not updated in deviceTRUST policy when copying a GPO within group policy editor

The name of the GPO is saved into the deviceTRUST configuration at the time our console saves to the GPO. If you copy a GPO that contains deviceTRUST policy within a group policy editor, then the previous policy name is still persisted.

This is a common scenario when migrating a deviceTRUST policy from test to production.

The example below demonstrates a GPO that has been copied but contains the original policy name

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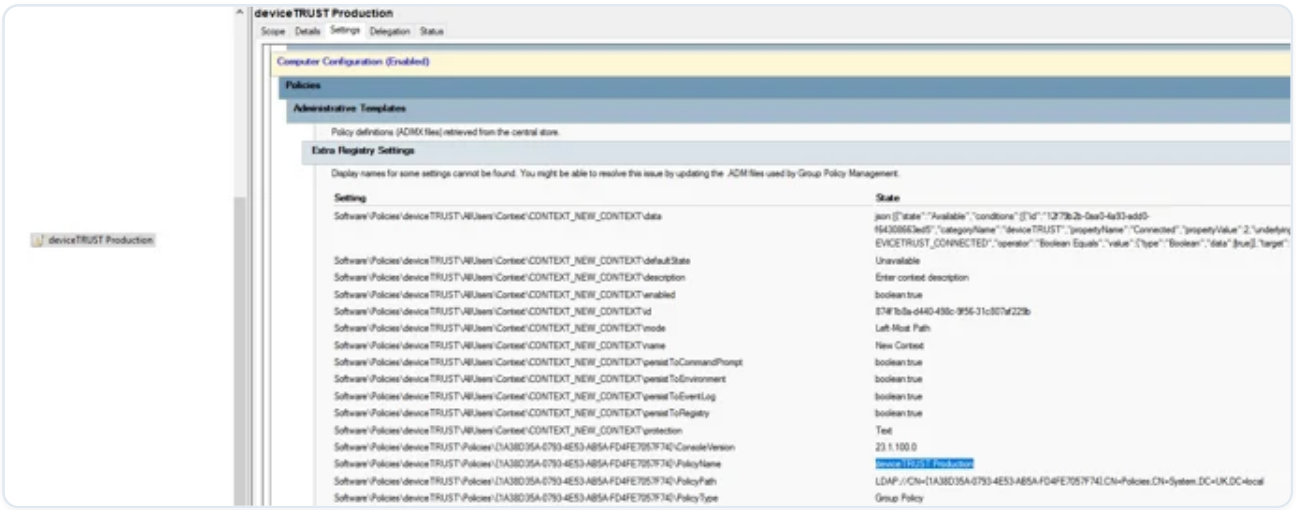


If you have copied a policy within a group policy editor, such as GPMC, that contains deviceTRUST policy the name can be updated in the copied GPO using the steps below.

- Open deviceTRUST Console
- In the Open Policy dialogue select 'Open Group Policy'
- In the GPO browser windows select the GPO that was copied
- This will open the copied policy in the deviceTRUST Console
- In the deviceTRUST Console click the down arrow next to the save icon in the top right corner and select 'Save As'
- In the 'Save As' Policy dialogue select 'Save Group Policy'
- Browse and select the policy that was copied
- Click OK to update the policy

If you check the 'Settings' of the copied GPO it should contain the updated name.

The name set in the policy settings has been updated to reflect the name of the GPO



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Configuring Citrix Virtual Channel Security

In iOS 16 or later, Apple requires an com.apple.developer.device-information.user-assigned-device-name entitlement for an application to be able to read the device name. Currently, the deviceTRUST iOS Client Extension does not include this entitlement, and therefore the operating system always returns 'iPhone' or 'iPad' as the device name. Consequently, when the deviceTRUST Client Extension for iOS running on iOS 16 or later registers with the deviceTRUST Portal, it is registered against the wrong device name.

The deviceTRUST Agent identifies the remote iOS device name using the LOCAL_REMOTECONTROL_REMOTE_NAME property within the virtual session. This remote iOS device name is compared against the name of the iOS devices registered within the deviceTRUST Portal at https://portal.devicetrust.com/#/app/admin/devices to determine which iOS device to connect to. If the devices are registered against the wrong device name, then a successful connection cannot be made.

Establishing the `com.apple.developer.device-information.user-assigned-device-name` entitlement from Apple is work in progress. It may be necessary for us to make changes to the deviceTRUST iOS app before this entitlement can be granted.

Whilst we work to establish the entitlement, we've made the following changes to the deviceTRUST Portal to mitigate the problem.

- We've added the ability to manually rename the iOS devices. By renaming the devices to the value that appears within the iOS Settings app under General > About > Name, a successful connection can once again be established.
- When the deviceTRUST Portal determines that an iOS device has been upgraded to iOS 16 or later, the previous device name is captured and the device is automatically renamed.

An updated deviceTRUST Client Extension for iOS will soon be released which allows the user to better identify their iOS device within the deviceTRUST Portal, allowing multiple iOS devices all with the name 'iPhone' or 'iPad' to be better identified.

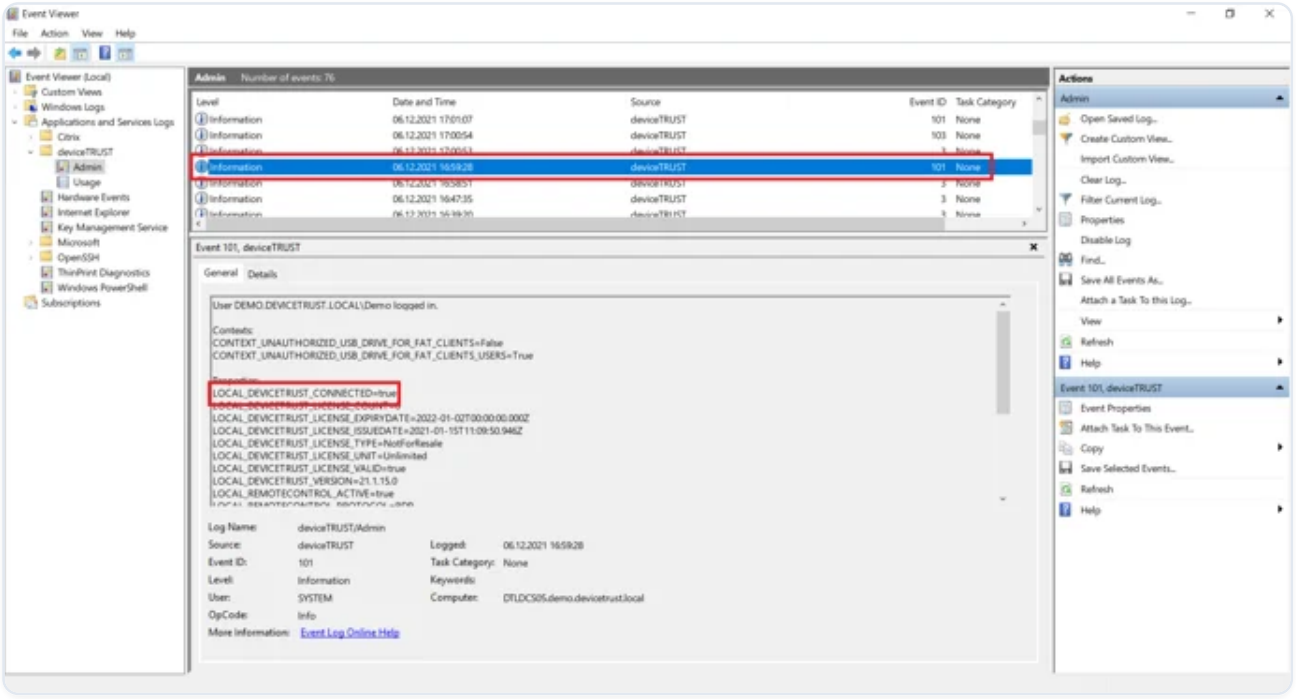
Check that the deviceTRUST Client Extension is installed on the remote device

Within the user session, a deviceTRUST property can detect whether a deviceTRUST Client Extension has been detected on the remote device.

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To check whether a deviceTRUST Client Extension has been identified on the remote device, open the Windows Event Log on the remoting or DaaS system, navigate to `APPLICATION AND SERVICE LOGS\DEVICETRUST\ADMIN`, and check for Event ID 101. This event is raised during logon and details the properties and context of the users' virtual session.

Virtual session properties and contexts



The LOCAL_DEVICETRUST_CONNECTED property can have the following states:

- LOCAL_DEVICETRUST_CONNECTED = FALSE - No deviceTRUST Client Extension is installed on the remote device.
- LOCAL_DEVICETRUST_CONNECTED = TRUE - A deviceTRUST Client Extension is installed on the remote device.

If no deviceTRUST Client Extension is installed on the remote device, install the deviceTRUST Client Extension on the respective operating system Installation Client Extension from the Client Extension installation page.

Configuring Citrix Virtual Channel Security

With Citrix Virtual Apps and Desktops, the Virtual Channel Allow List must be configured to allow the deviceTRUST virtual channel.

Citrix Virtual Apps and Desktops contains a policy titled Virtual channel allow list which controls the processes which are able to open a virtual channel. When enabled, all processes except the Citrix

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internal virtual channels must be declared. Additional entries are required for the deviceTRUST® Agent to be able to connect to the deviceTRUST Client Extension.

- With Citrix Virtual Apps and Desktops 2109 or later, the Virtual channel allow list is enabled by default. These default settings will deny access to the deviceTRUST virtual channel as the allow list does not include the deviceTRUST process names.
- With Citrix Virtual Apps and Desktops 1912 LTSR to 2106, the Virtual channel allow list is disabled by default. These default settings will allow access to the deviceTRUST virtual channel.
- With previous releases of Citrix Virtual Apps and Desktops, the Virtual channel allow list is unavailable.

Configuration

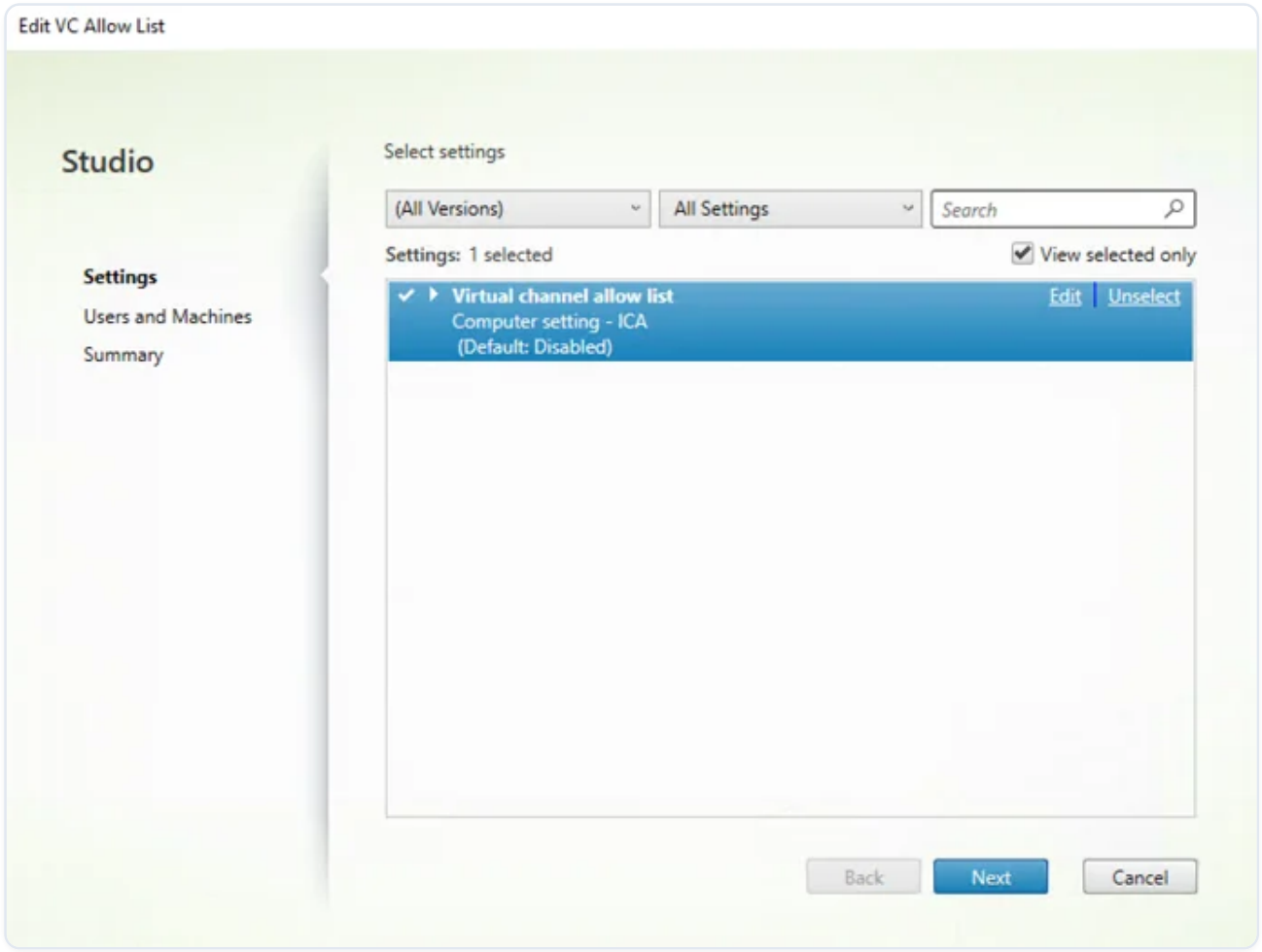
There are two options to configure the virtual channel allow list for enabling deviceTRUST in a Citrix Virtual Apps and Desktops environment:

- Allowing all Citrix virtual channels plus the deviceTRUST
- Allowing all virtual channels

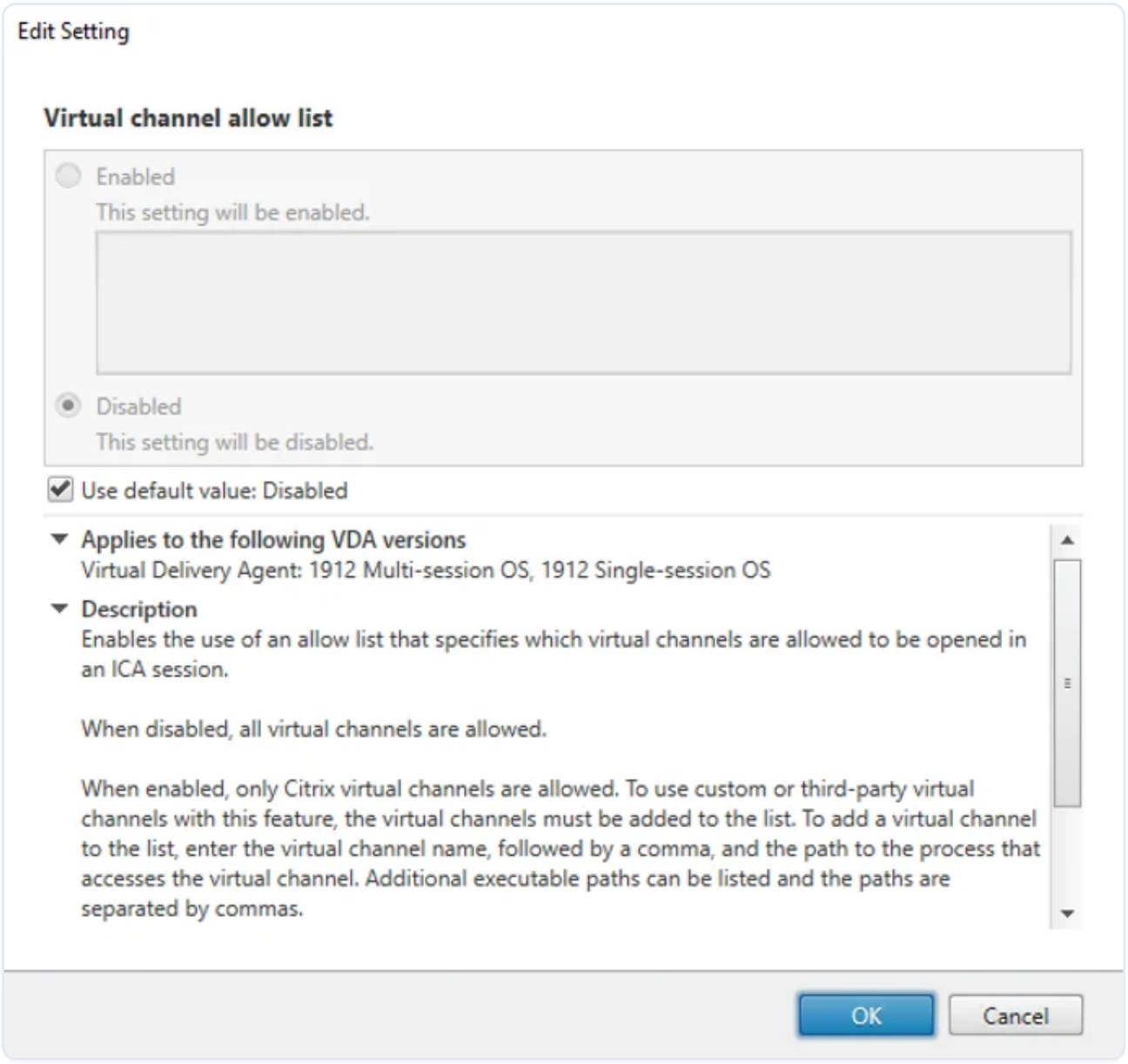
The first is the recommended solution, as it complies with Citrix's idea of virtual channel security. However both approaches are described here.

Both settings need to be set on the VDA level. The required configuration can be found in the Citrix farm policies. The setting's name is Virtual channel allow list.

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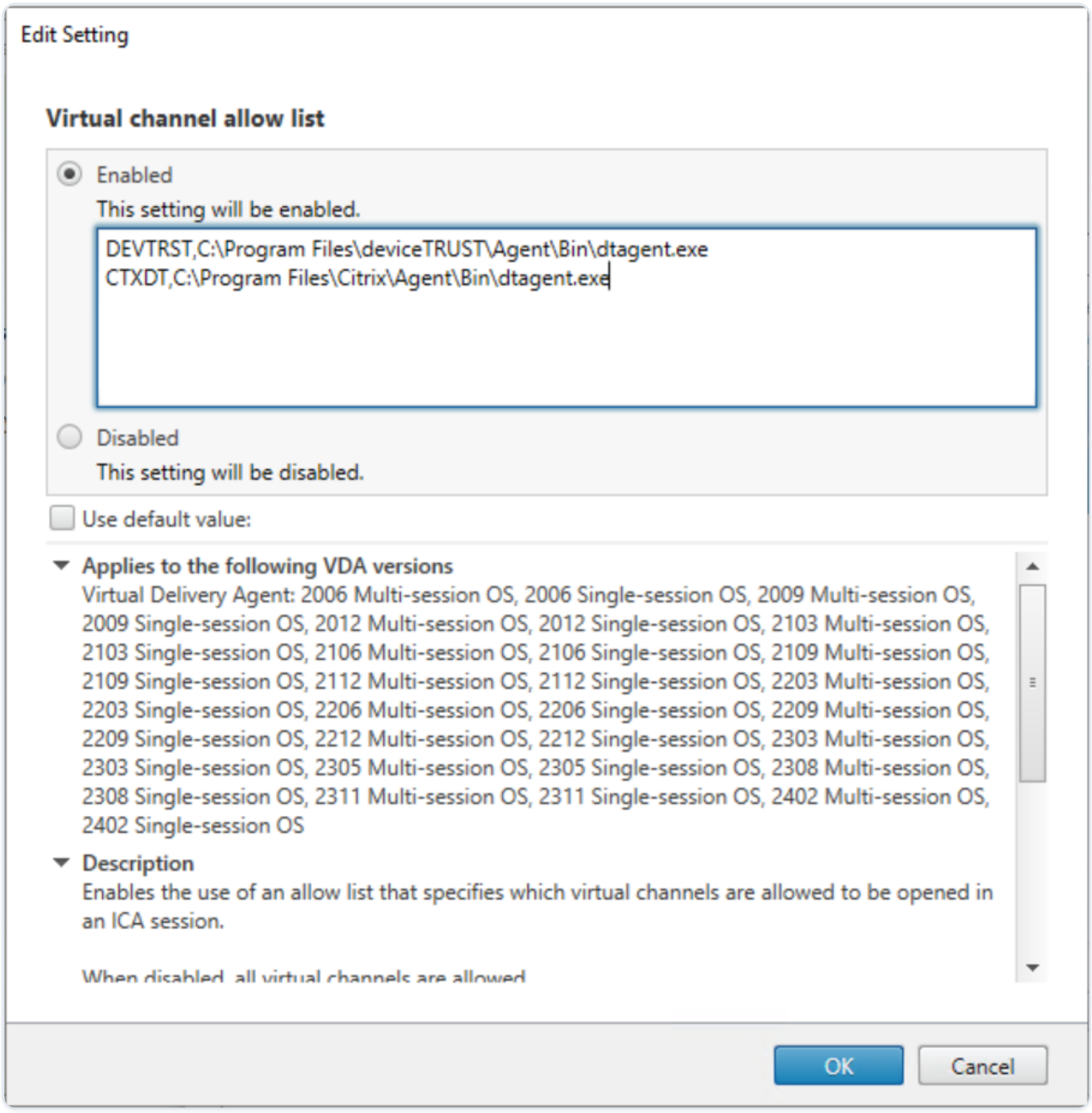


Allowing all Citrix virtual channels plus the deviceTRUST virtual channel

We recommend configuring the deviceTRUST virtual channel explicitly. Doing so will comply with Citrix's concept of securing the virtual channel feature whilst allowing deviceTRUST to establish its connection between the deviceTRUST Agent and Client. Doing so requires the following steps:

- Explicitly enable the Virtual channel allow list policy setting
- Add the following deviceTRUST virtual channel and process names to the allow list
    - DEVTRST,C:\Program Files\deviceTRUST\Agent\Bin\dtagent.exe
    - DEVTRST,C:\Program Files\Citrix\Agent\Bin\dtagent.exe
    - CTXDT,C:\Program Files\Citrix\Agent\Bin\dtagent.exe

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NOTE

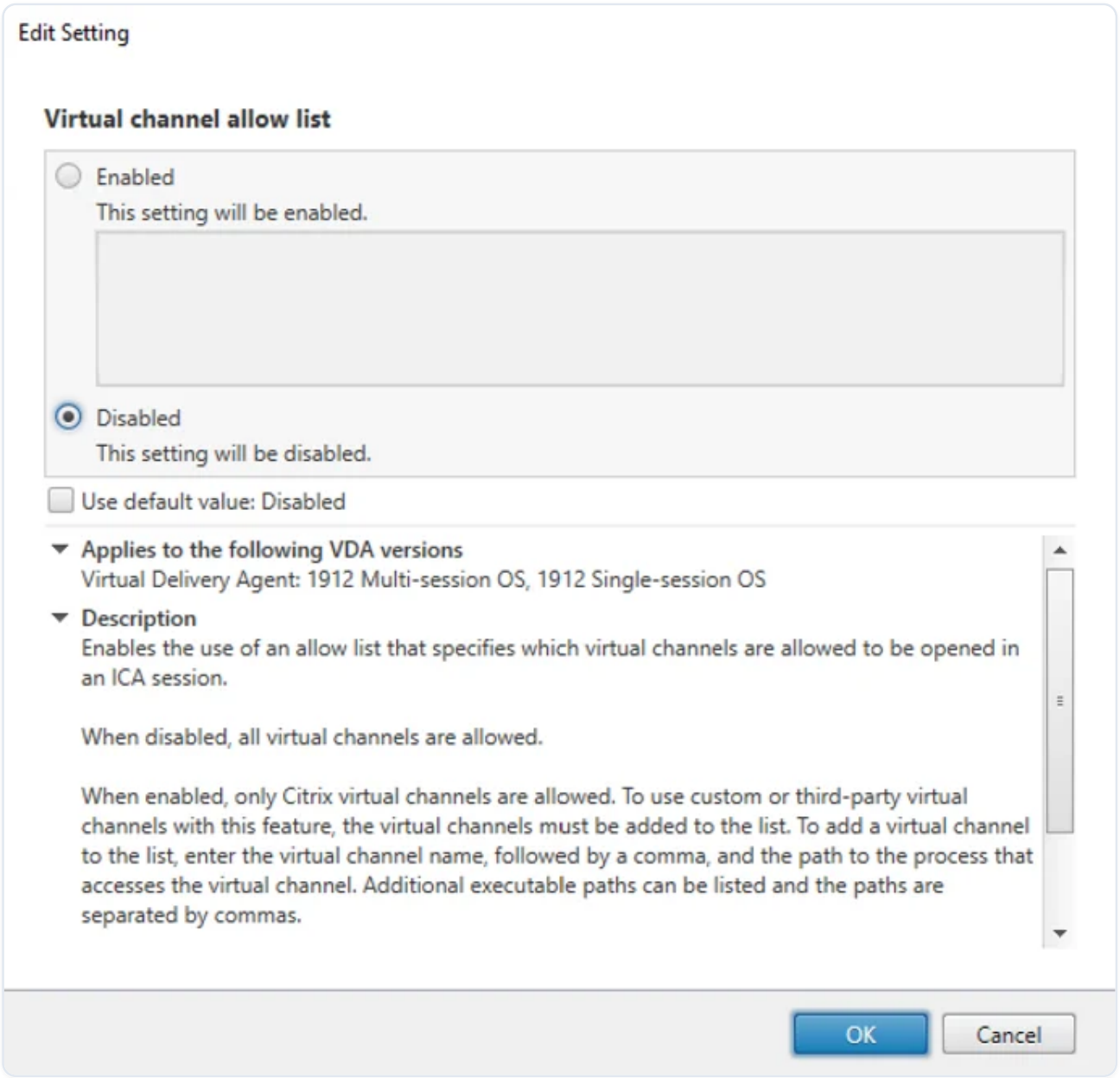
If you use additional virtual channels for other functions, these need to be added explicitly as well.

If you are using only deviceTRUST 25.3 or later then you can remove the entry 'DEVTRST,C:\Program Files\deviceTRUST\Agent\Bin\dtagent.exe'.

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Allowing all virtual channels

A fallback option would be to simply allow all virtual channels to be established. This will work from a technical perspective. It will however work around the security measures Citrix introduced with the 2109 release.



Virtual Channel Compatibility

The deviceTRUST Client Extension v2511 as part of Citrix Workspace app can be installed along-side the deviceTRUST Client Extension v23.1.

To support this side by side installation, it was necessary to rename the virtual channel. This results in the following compatibility scenarios:

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- **When using the deviceTRUST Agent 23.1 or earlier**, communication will occur with the deviceTRUST Client Extension 23.1 or earlier. The deviceTRUST Client Extension 2511 is not supported.
- **When using the deviceTRUST Agent 2511 or later**, communication will be preferred with the deviceTRUST Client Extension 2511 or later. However when unavailable, communication will fall back to the deviceTRUST Client Extension 23.1 or earlier.

deviceTRUST debug log locations

To assist us in troubleshooting deviceTRUST related issues you may be required by support to collect debug log information from your environment. Below is a list of deviceTRUST log file locations for each component.

Microsoft Windows logs

For the deviceTRUST Client Extension, Agent and Console:

On Microsoft Windows, the deviceTRUST components log to an Event Tracing for Windows (.etl) file in the following location:

- C:\ProgramData\deviceTRUST\Diagnostics\Logs\deviceTRUST-Log-xx.etl

> **NOTE:**
>
> This file can be copied and provided to Support

Logging is enabled by default. Log files are cyclic and will overwrite when their max size is reached. It is therefore important that the log file is captured shortly after reproduction of an issue. The default etl log file size is 1GB.

Windows component installer logs

For the deviceTRUST Client Extension

The deviceTRUST Client Extension installer executable logs installation activity to `%AppData%\Local\Temp`:

- deviceTRUST_Client_Extension_v2511_20250113094950.log
- deviceTRUST_Client_Extension_v2511_20250113094950_dtclient_extension_x64.msi.log
- deviceTRUST_Client_Extension_v2511_20250113094950_dtclient_extension_x86.msi.log

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NOTE:

This file can be copied and provided to Support

For the deviceTRUST Agent and Console

When troubleshooting installation issues for the deviceTRUST Agent or Console, MSI logs can be generated with msiexec.

For example, from an elevated CMD prompt run the commands below to create an MSI log file capturing the install activity. The MSI and location information should be customised to your environment.

- `msiexec /i "dtagent-x64-release-2511.410.0.msi" /l*v "C:\Temp\Agent.log"`
- `msiexec /i "dtconsole-x64-release-2511.410.0.msi" /l*v "C:\Temp\Console.log"`

NOTE:

This file can be copied and provided to Support

deviceTRUST Windows Event Logs

For the deviceTRUST Agent

The Event logs are available on any computer where the Agent is installed. The event logs can be exported from Event Viewer.

Open Event Viewer as an admin user and browse

- Application and Services Logs > deviceTRUST > Admin
- Right Click on Admin and `Save All Events As`
- This will export the deviceTRUST Events to an .evtx file which can be provided to Support

Linux logs

For the deviceTRUST Client Extension

On Linux, the deviceTRUST client components log activity to the following location.

- /tmp/ctxdt.log

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NOTE:

- This file can be copied and provided to Support
- On IGEL OS 12 deviceTRUST Client logging is disabled by default as requested by IGEL. If required logging can be enabled via the local Setup application or within the UMS.

Apple macOS logs

For the deviceTRUST Client Extension

On Apple macOS, the deviceTRUST client components log activity to the following location.

- /tmp/ctxdt.log

NOTE:

This file can be copied and provided to Support

Apple iOS logs

For the deviceTRUST Client Extension

On Apple iOS, the deviceTRUST client component logs can be shared from within the deviceTRUST App under `Settings > Diagnostics`:

- Share log files option - Allows the user to transmit deviceTRUST logs using Apple tools e.g Mail, Air Drop
- Send a support email option - If a Mail profile is configured on the iOS device, this option will auto construct an email for the user with the deviceTRUST log files attached. The user can fill out the email with their issue statement prior to sending.

Export of deviceTRUST policy configuration

For the deviceTRUST Console

The Policy configuration can exported from the 'Sharing' menu in deviceTRUST Console.

- Open the deviceTRUST Console > Sharing > Export to Disk.
- A save dialogue box will allow the user to save the .dtpol policy file to their preferred location.

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- Example policy file '2025-01-17_10-33_deviceTRUST_Policy.dtpol'

NOTE:

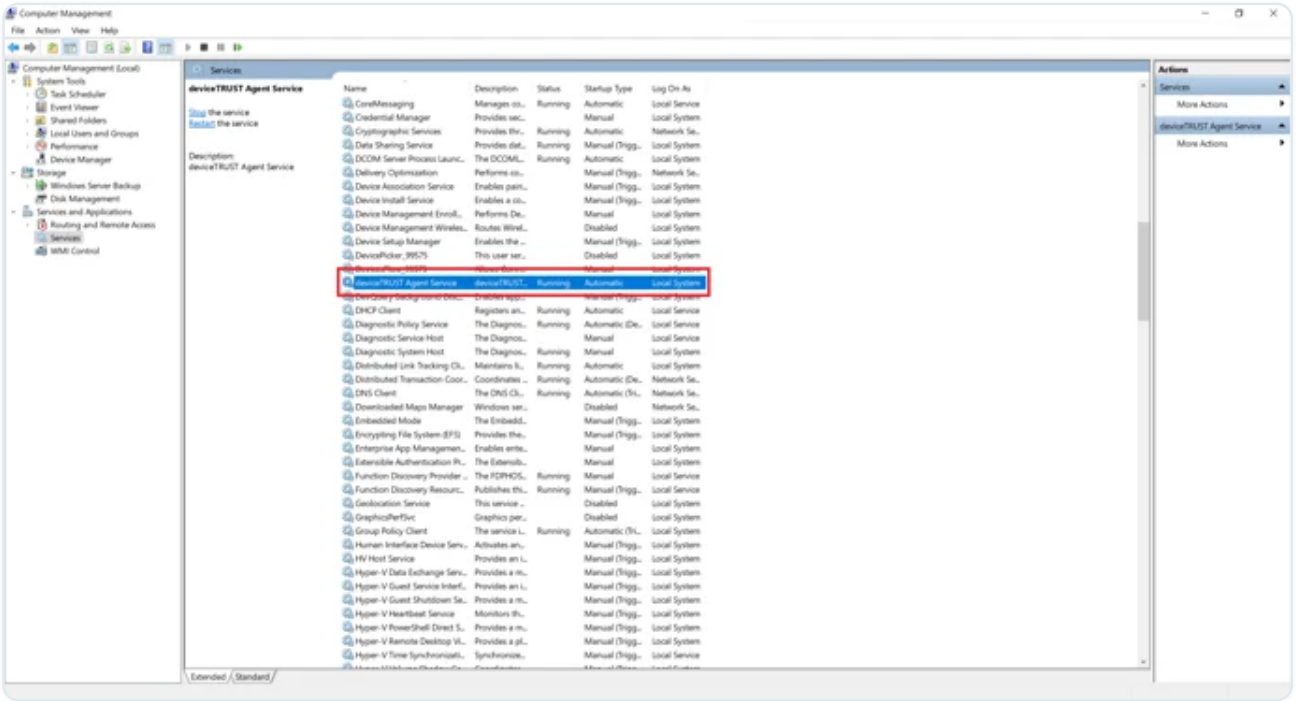
The policy can be copied and provided to Support

Check that the deviceTRUST Agent service is running

The deviceTRUST Agent service must be running on the host system for it to enforce the policy. If this service is not running, then no deviceTRUST contextual security policies can be applied to the users.

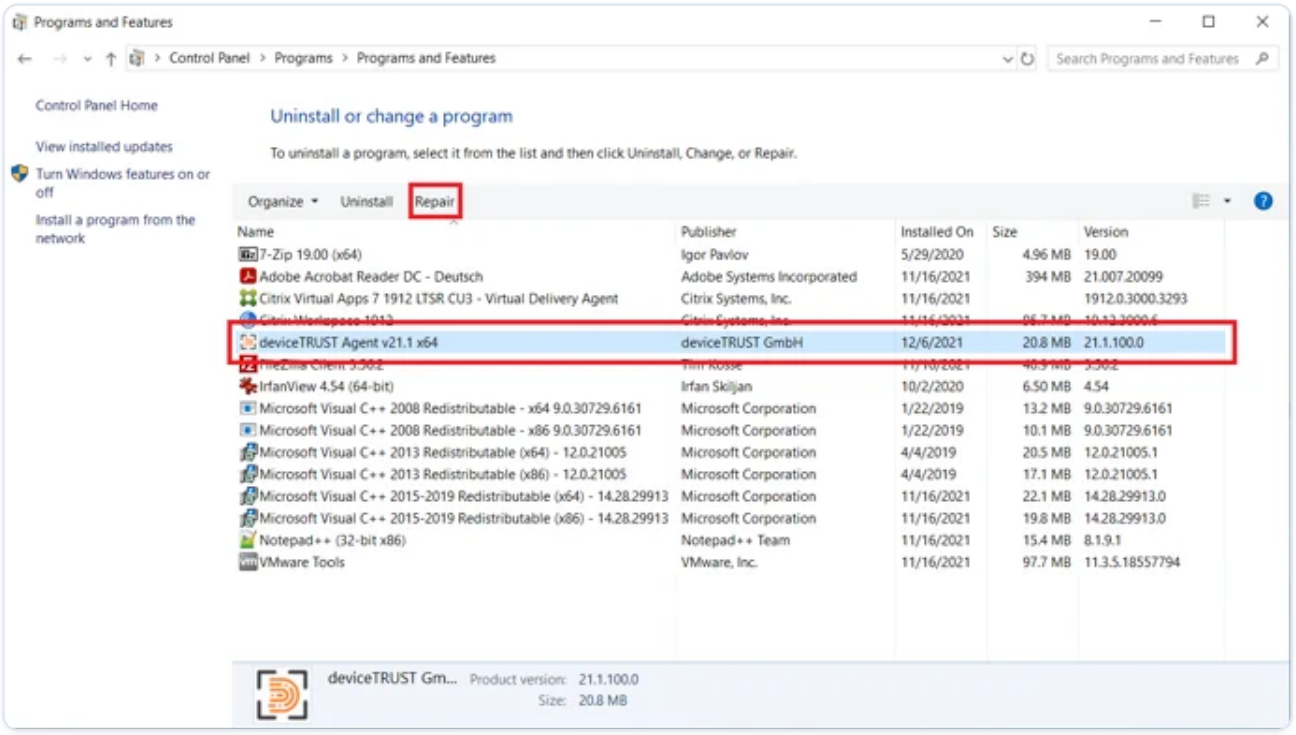
The deviceTRUST Agent service is monitored by standard operating system functions and recovered if necessary.

Open the COMPUTER MANAGEMENT on the host system, navigate to SERVICES AND APPLICATIONS, select SERVICES and check that the DEVICETRUST AGENT SERVICE is running. If the service is not running, try to start it from the menu or context menu by selecting START.



If the deviceTRUST Agent service does not start you can repair the deviceTRUST Agent installation. To do this, please open the CONTROL PANEL, navigate to PROGRAMS and open PROGRAMS AND FEATURES. Select DEVICETRUST AGENT VXX.X X64 and start the repair of the installation with the REPAIR button.

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Check that you are using the latest deviceTRUST version

The latest deviceTRUST releases may contain bugfixes that were present in previous releases, or compatibility fixes that have since been discovered with other third party components.

Therefore, it is recommended to upgrade to the latest deviceTRUST version from time to time. This can be done very easily by transparently updating the corresponding deviceTRUST component (Agent, Console and Client Extension) by running the newer installer.

Before upgrading, refer to the Upgrading section of the compatibility guide, and ensure that you have read the release notes. The latest deviceTRUST software can be found on our Download page.

Configuration of the deviceTRUST Client Extension virtual channel for ICA®

This article details the files and configuration involved in the registration of the deviceTRUST Client Extension virtual channel for the ICA protocol on Microsoft Windows, Ubuntu and Apple macOS platforms.

Microsoft Windows (All Users)

The following registry entries are required for the All Users install of Citrix Workspace™:

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```
"HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Citrix\ICA
Client\Engine\Configuration\Advanced\Modules\ICA 3.0"

VirtualDriverEx (REG_SZ) = deviceTRUST



"HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Citrix\ICA
Client\Engine\Configuration\Advanced\Modules\deviceTRUST"

DriverName (REG_SZ) = Unsupported

DriverNameWin16 (REG_SZ) = Unsupported

DriverNameWin32 = dtclient.dll
```

Additionally, the installation folder identified by "HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Citrix\Install\ICA Client" value InstallFolder (REG_SZ) and defaulting to "C:\Program Files (x86)\Citrix\ICA Client" must contain a copy of the 32-bit dtclient.dll from "%ProgramFiles(x86)%\deviceTRUST\Client\Bin\dtclient.dll".

All of the above registry keys and the file on disk are monitored by the 'dtclient' Windows Service. If any of the values are modified then they are automatically reverted to their correct values.

Microsoft Windows (Per User)

The following registry entries are required for the Per User install of Citrix Workspace:

```
"HKEY_CURRENT_USER\SOFTWARE\WOW6432Node\Citrix\ICA
Client\Engine\Configuration\Advanced\Modules\ICA 3.0"

VirtualDriverEx (REG_SZ) = deviceTRUST



"HKEY_CURRENT_USER\SOFTWARE\Citrix\ICA
Client\Engine\Configuration\Advanced\Modules\deviceTRUST"

DriverName (REG_SZ) = Unsupported

DriverNameWin16 (REG_SZ) = Unsupported
```

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```
DriverNameWin32 = dtclient.dll
```

Additionally, the installation folder identified by "HKEY_CURRENT_USER\SOFTWARE\Citrix\Install\ICA Client" value InstallFolder (REG_SZ) and defaulting to "C:\Program Files (x86)\Citrix\ICA Client" must contain a copy of the 32-bit dtclient.dll available at "%ProgramFiles(x86)%\deviceTRUST\Client\Bin\dtclient.dll".

All of the above registry keys and the file on disk are monitored by the 'dtclient' Windows Service. If any of the values are modified then they are automatically reverted to their correct values.

Apple macOS

The file "~/Library/Application Support/Citrix Receiver/Modules" must contain the following entries:

```
[ICA 3.0]

VirtualDriver=deviceTRUST

deviceTRUST=On



[deviceTRUST]

DriverName=dtclient.dll
```

Additionally the folder "/Library/Application Support/Citrix/PlugIns/deviceTRUST" must contain the deviceTRUST virtual channel extension for Citrix ICA.

Neither the Modules file or the files on disk are monitored for incorrect values. To repair, perform an uninstall and reinstall of the installation.

If using an Apple M1 or later processor, please refer to deviceTRUST + Apple M1 support for Citrix Workspace.

Ubuntu

The module.ini file at "/opt/Citrix/ICAClient/config/module.ini" must contain the following entries:

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```
[ICA 3.0]

VirtualDriver=deviceTRUST

deviceTRUST=On



[deviceTRUST]

DriverName=dtclient.dll
```

Additionally, "/opt/Citrix/ICAClient/dtclient.dll" must be a symbolic link to "/opt/deviceTRUST/Client/Bin/libdtclient.so".

Neither the module.ini or the files on disk are monitored for incorrect values. To repair, perform an uninstall and reinstall of the installation.

Silent removal of the deviceTRUST® Client Extension for Apple macOS

The deviceTRUST Client extension for macOS ships with an Uninstall.app requiring input from the user to manually run the Uninstall.app. To remove the Client Extension for macOS without using the Uninstaller.app please use the following steps.

Steps to silently remove the Client Extension for macOS

Open Terminal and type the following commands:

- cd /Library/Application\ Support/deviceTRUST/Client/Bin
- sudo ./install.sh UNINSTALL
- sudo rm -rf /Library/Application\ Support/deviceTRUST

This will remove the deviceTRUST Client Extension from the macOS computer.

Make sure that you have a valid license

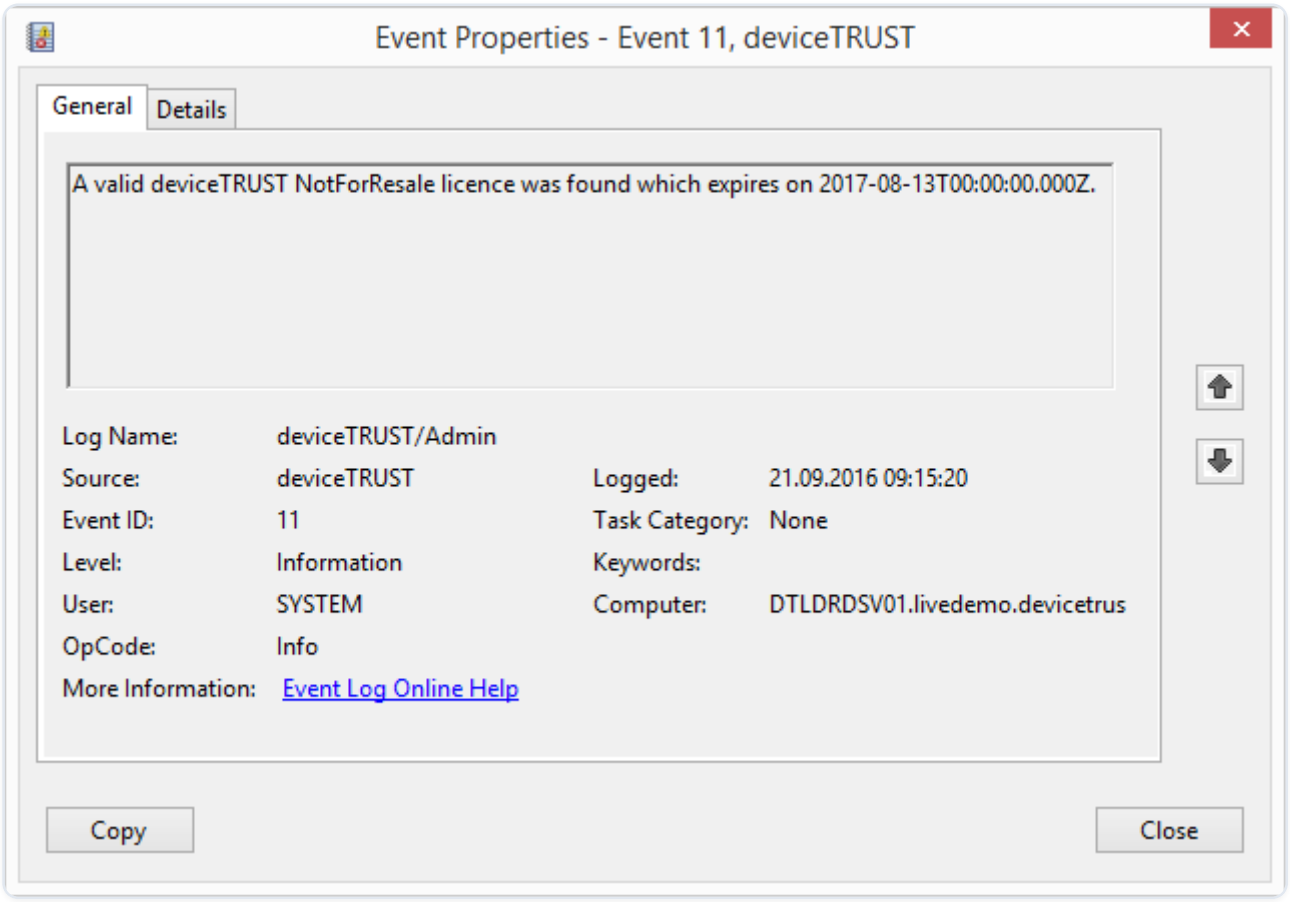
If your deviceTRUST License has not been configured, or has expired, then you may find that the deviceTRUST functionality is disabled.

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To check if licensing is causing a problem, open the Windows Event Log on the host system running the deviceTRUST Agent and navigate to APPLICATION AND SERVICE LOGS\DEVICETRUST\ADMIN and look for an Event ID between 11 and 16.

- Event ID 11 is used to report a valid license.
- Event ID 12 and 13 are used to report a license that will soon expire.
- Event ID 14, 15 and 16 are used to report an invalid license.

Valid deviceTRUST License

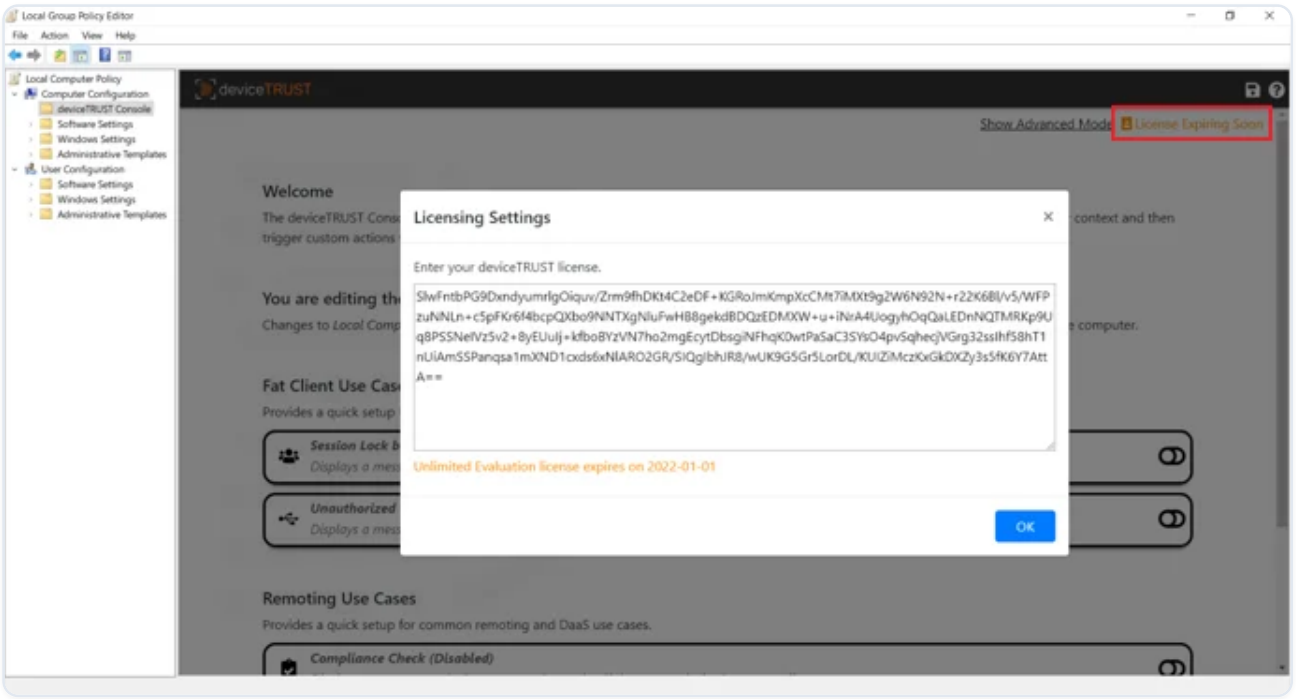


If your Windows Event Log reports a licensing event other that Event ID 11, then you should check your license.

Within the deviceTRUST Console navigate to the Homepage and look in the top right corner for a licensing warning or error, which can be clicked to display more information. If a wrong or incorrect license was entered, correct the license, click OK and then save your active deviceTRUST Policy before updating it on the remoting host.

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Check deviceTRUST License



Depending on the method used to deploy the deviceTRUST Policy, the corresponding deviceTRUST Policy must be opened to check the licensing status.

- Local Policy
- Group Policy Object (GPO)
- File-based

Group Policy Object (GPO) deployed configuration

If you choose to deploy deviceTRUST the configuration, including the license by GPO, there are several potential reasons why a license might not be applied.

Start your evaluation in the Windows event log. deviceTRUST reports policy application with "Event ID 3". This event contains information about all configuration content the deviceTRUST Agent could extract from GPO, Local Policy, or file.

Check if the correct policy has been applied and shows a valid last modified timestamp. The displayed timestamp always uses the UTC timezone.

- *The correct policy has not been applied:* Check
  - If the policy is linked correctly in your AD
  - If the latest policy changes have been replicated all over your AD controllers
  - If the policy application works well for the machine.

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    - Use "gpresult" in an administrative context to see the policies applied to the machine. This will show you if your AD configuration is correct for the machine.

- *The correct policy has been applied, but does not show the correct timestamp:* Update your policies via "gpupdate" (or similar). The machine did not receive the latest policies and thus might not hold the correct configuration/license. Also check your AD domain for potential replication issues.
- *The correct policy has been applied and shows the correct timestamp:* Check the configuration in the deviceTRUST console.
    - Is the license information imported correctly?
    - Does the console show "licensed"?
    - You might have several deviceTRUST policies. Please make sure only one holds the licensing information.
- *Still seeing license issues?* That's a case for the support team.

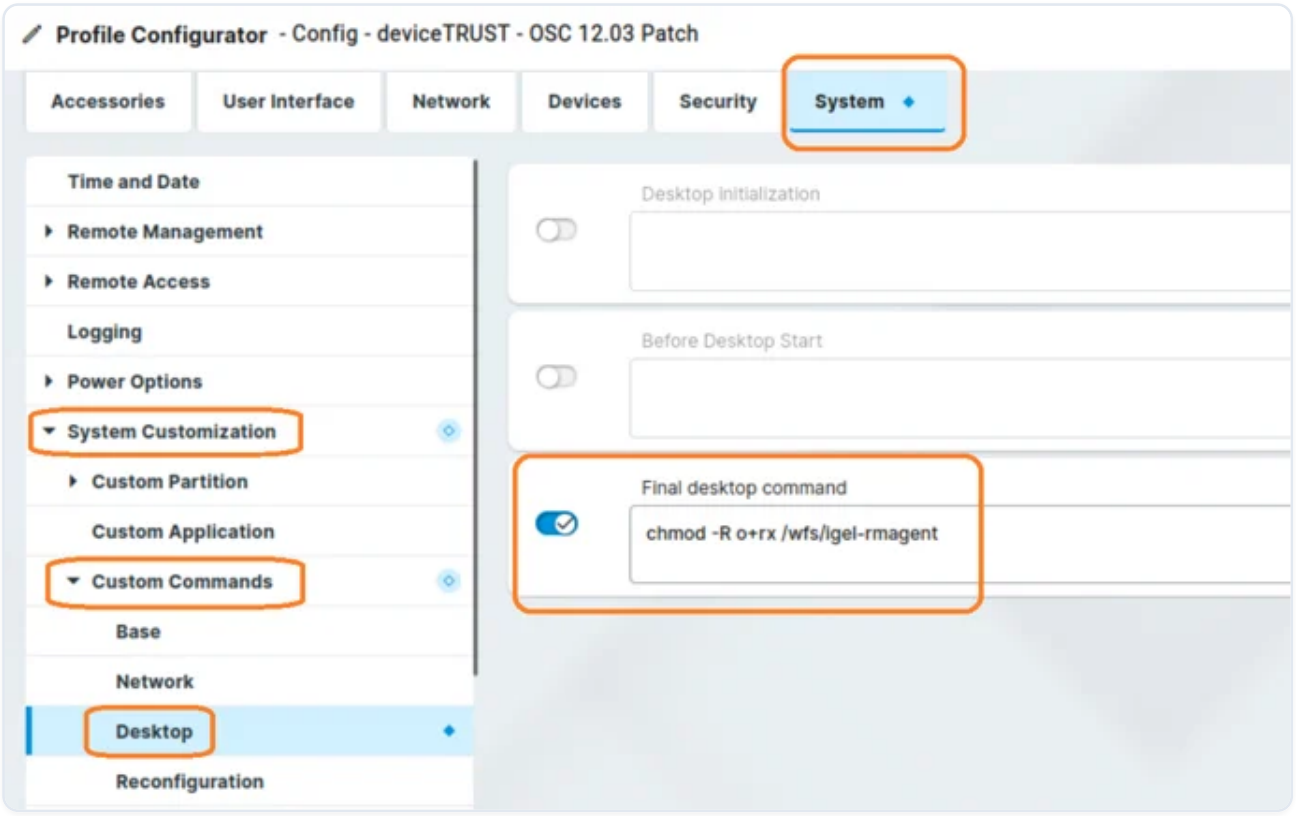
IGEL OS 12 - No IGEL Properties

IGEL OS 12, created with OSC 12.03 and younger, does not provide IGEL-specific properties in deviceTRUST. Here's why and how to fix.

Problem: No IGEL-specific deviceTRUST® properties are supplied by IGEL OS 12

Reason: IGEL has changed the file system rights starting with clients rolled out based on OSC 12.03. The folder "/wfs/igel-rmagent" can now only be read by root, no longer by other entities. deviceTRUST needs access to the folder in order to be able to read various properties. Our process recognizes the missing rights and ends the evaluation. Therefore, no IGEL-specific values are evaluated and shown in the session.

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We assume that the setting of the rights was no coincidence and are working on a solution to mitigate this behavior without requiring this workaround. Until then, please implement the workaround to make sure deviceTRUST can operate as desired.

Device Location

A summary of how device location is determined by deviceTRUST.

Location Information

deviceTRUST can make available location information about either a physical device or a remote device when connecting to a virtual session. The location information made available depends upon the deviceTRUST Policy but may include:

- *Source* - the source of the location, such as IP Address, Wi-Fi, Cell Tower or GPS Sensor
- *Provider* - the provider that produced the location, such as the Operating System
- *Position* - the coordinates of the device
- *Accuracy* - the accuracy of the coordinates
- *Address* - the geocoded address of the coordinates
- *Country* - the country that the coordinates represent

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Important: deviceTRUST offers of granular control of the geolocation's details. It is your choice to simply evcaluate the country, or to be more granular by adding state, city or full address.

Operating System Location Provider

Operating system location providers are functions inside the user's device's operating system. deviceTRUST can retrieve the information, the providers offer and use them for context evaluation.

On Microsoft Windows, the operating system location provider is capable, with the consent of the user, of determining the position (coordinates) of a device, in addition to the source and accuracy. deviceTRUST enhances this position with country information.

A third-party location provider can be used with this data to determine more granular information, such as an address.

On Apple macOS and iOS, the operating system location provider is capable, with the consent of the user, of determining the position (coordinates) of a device, in addition to the source, accuracy, and address including country.

Third-Party Location Provider

Third-party location providers offer additional services for geolocation evaluation. In cases where operating system location services are either not available, disabled, or do not provide information on a detailed level, third-party providers can be utilized to evaluate or refine the location information.

When the deviceTRUST policy is configured with a third-party location provider, such as Google Geolocation, the Wi-Fi access points local to the device are sent to configured services and a position is returned. deviceTRUST enhances this position with country information.

A geocoding service can also be defined within the deviceTRUST Policy which is capable of determining an address and country from any location provider's position.

Important: Third-party location providers are not integrated with deviceTRUST. They are additional services that most often require a subscription. deviceTRUST, as with os location services, gathers the information from those third parties and uses the information for context evaluation.

WHOIS Location Provider

WHOIS is the process of determining a location, such as the Country of a device based on its public IP address. deviceTRUST comes with built-in functions to use WHOIS from users' devices.

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Determining the location via WHOIS requires the user's device to be connected to the internet. Using a public API, deviceTRUST first evaluates the device's public IP address. This IP address is then looked up in an online database to get the device's country information.

Important: Due to its design, WHOIS can be tricked by using VPN connections. If a user starts a VPN connection from country A to country B, basic WHOIS evaluation will always evaluate the device to be in country B, as the public IP now is where the VPN tunnel ends.

deviceTRUST's VPN recognition and network adapter prioritization features tackle this challenge and make sure that the WHOIS information is correct and give you better insight.

Cellular Location Provider

A Cellular Location Provider refers to a technology or service that determines the geographical location of a mobile device based on its connection to cellular networks. Mobile devices, such as smartphones and tablets, constantly communicate with nearby cell towers as part of their normal operation. The process of determining the location of a device using cellular networks is known as cell site triangulation or cell tower triangulation.

If your user's devices are equipped with cellular cards, deviceTRUST can read the information those cards provide and use it for Context evaluation.

GPS Location Providers

Devices might come with internal GPS location devices. While these provide very exact information outside, they are not optimal for in-building usage. If you need GPS information for your use case, deviceTRUST will be able to retrieve the information from GPS location providers as well.

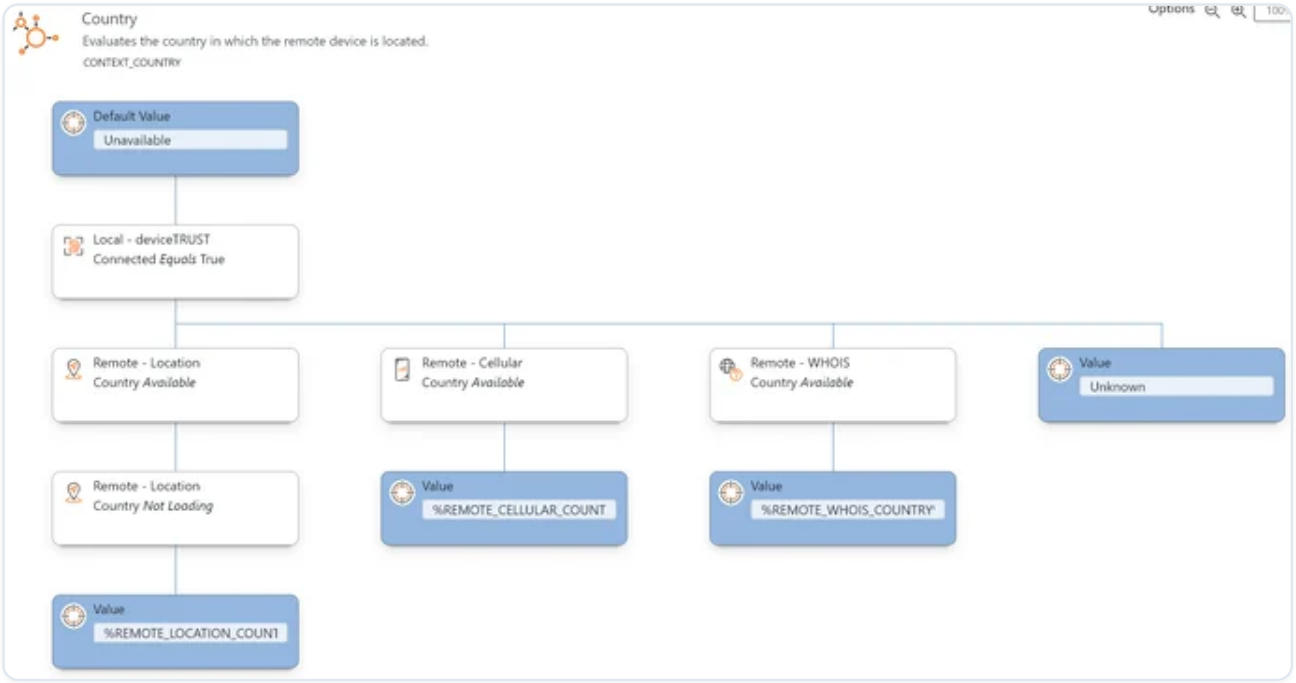
deviceTRUST Policy

deviceTRUST's policy framework allows for full control of the information you evaluate, how you prioritize it, and how you use it for access control.

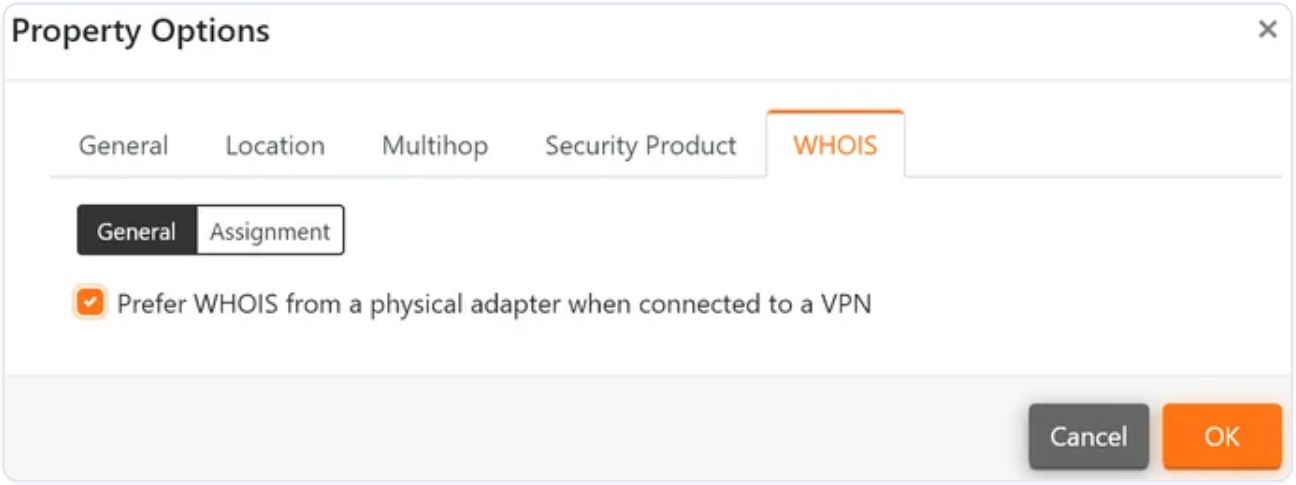
This example configuration is designed to

- Retrieve information from remote devices
- Evaluate country information only
- By ordering them from left to right prioritizes OS location services over cellular information over WHOIS
- Reports back the country code of the user's device

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In addition, the option to prioritize WHOIS information from physical adapters is set to get more valid information in case WHOIS is used.



This configuration will allow for reliable evaluation of a remote device's country. By defining the OS location services as the primary source of information and adding cellular as well as VPN-safe WHOIS information, country evaluation will be as exact as the underlying technology allows.

Location and Network improvements in Windows 11 24H2

In 24H2 new controls were added to help manage which apps have access to the list of Wi-Fi networks around you, which could be used to determine your location.

The location options can be accessed in Settings > Privacy & security > Location > 'Let desktop apps access your location'

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If this setting is disabled deviceTRUST® is unable to access device location and Wi-Fi Security information.

This will result in the location and Wi-Fi Security properties not being populated with the correct data. If these properties are referenced within your config then please enable this feature for the deviceTRUST Client Extension,

- REMOTE_LOCATION_ACCURACY=Unavailable
- REMOTE_LOCATION_BUILDING=Unavailable
- REMOTE_LOCATION_COUNTRY=Unavailable
- REMOTE_LOCATION_COUNTY=Unavailable
- REMOTE_LOCATION_POSITION=Unavailable
- REMOTE_LOCATION_POSTCODE=Unavailable
- REMOTE_LOCATION_PROVIDER=Unavailable
- REMOTE_LOCATION_SOURCE=Unavailable
- REMOTE_LOCATION_STATE=Unavailable
- REMOTE_LOCATION_STREET=Unavailable
- REMOTE_LOCATION_TOWN=Unavailable
- REMOTE_LOCATION_URL=Unavailable
- REMOTE_NETWORK_X_WIFI_BSSID=
- REMOTE_NETWORK_X_WIFI_SECURITY=Unknown
- REMOTE_NETWORK_X_WIFI_SSID=
- REMOTE_NETWORK_X_WIFI_STRENGTH=0

More information regarding the changes in Windows 11 24H2 can be found at.

SD Card detection for Logical Disk properties

The detection of SD cards on Microsoft Windows and Linux operating systems remains unreliable and is highly dependent upon the hardware used and the driver stack.

When using an SD card, the Logical Disk Type, Serial Number, Vendor and Product ID may be incorrect.

We recommend detecting specific SD cards with the 'Volume ID' property that was implemented in version 23.1.120.

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- The 'Volume ID' number is regenerated when the SD card is formatted.

Updating the deviceTRUST Client Extension in IGEL OS 11

It may be necessary to update the deviceTRUST Client Extension version built into IGEL OS 11. This article demonstrates how this can be achieved using the UMS server.

Applies to: IGEL OS 11.08.200 and earlier

Azure Virtual Desktop

In IGEL OS 11.08.110 and earlier Azure Virtual Desktop connections are incompatible with RDP. In its default configuration Remote Desktop connections will work, Azure Virtual Desktop will fail to connect to a remote session with deviceTRUST enabled.

To resolve this the deviceTRUST Client Extension requires updating on the remote IGEL device.

In the UMS Console add a New File



Browse and select the libdtclient_avd_legacy.so file supplied by deviceTRUST Support

With the file selected configure the options below:

- Device file location /services/avd/lib/libdeviceTRUST-client.so
- Access Rights for 'Others' to Read & Execute
- Set Owner as root



Click OK

Now that the file has been added to the UMS Server, select the file and drag it to the folder that contains the IGEL devices you wish to update. This will assign the file to the remote endpoint.



The File Copy setting will be persisted for your IGEL devices and the updated deviceTRUST Client Extension will be copied to the relevant directory.



Azure Virtual Desktop should now successfully connect to remote sessions

The deviceTRUST Client Extension is enabled for Azure Virtual Desktop via the IGEL OS registry in the following location:

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System > Registry sessions > wvd0 > plugins >deviceTRUST

With the above configuration set Remote Desktop connections will no longer work. Should you require RDP then remove the settings above.

VMware Horizon View

In IGEL OS 11.08.200 and earlier the deviceTRUST Client Extension is not natively integrated with VMware Horizon View. The IGEL OS requires updating for VMware Horizon View connections to function with deviceTRUST.

As above add a New File to the UMS Server.

Browse and select the libdtclient_rdp_pcoip.so file supplied by deviceTRUST Support.

With the file selected configure the options below:

- Device file location /usr/lib/vmware/rdpvcbridge/libdeviceTRUST-client.so
- Access Rights for 'Others' to Read & Execute
- Set Owner as root



Assign the file to the folder containing the IGEL devices you wish to update to deploy the Client Extension to the IGEL devices.

With the Client Extension applied for Horizon View deviceTRUST will be loaded and REMOTE deviceTRUST properties will be present in the user session.



NOTE:

Native IGEL OS integration for VMware Horizon View is coming soon. Please refer to our Supported Technologies page at `https://docs.devicetrust.com/docs/21.1/architecture/supported_technologies` for more information.

Log data to Microsoft Teams

deviceTRUST can be used to send log data to a variety of services. Learn how Microsoft Teams can be used here!

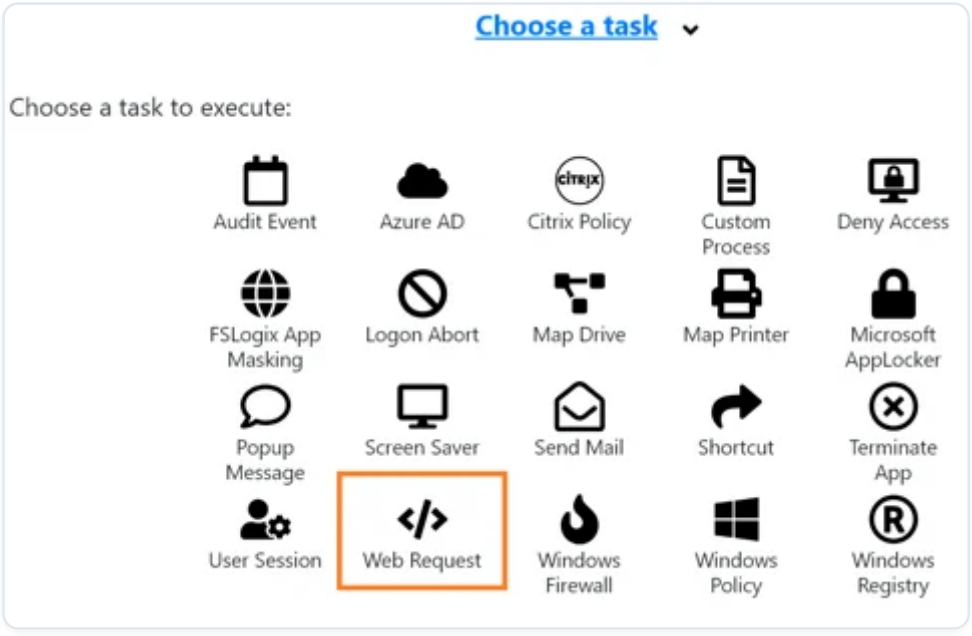
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deviceTRUST can use context information for a variety of purposes. In addition to reacting to certain information with matching controls, you might want to send data to some endpoint to have persistent logging or trigger ticket creation, for example. This article describes the integration of deviceTRUST with Microsoft Teams. You might want to use this approach for supporting your help desk with the required information

Teams channel selection: Chose to add a channel to Teams for this purpose or use an existing one. Make sure to have the information ready for step 2!

Setup a "web hook" in MS Teams: Data is being sent to MS Teams via REST technology. On the Teams side, a so called "Incoming Webhook" needs to be implemented for receiving the data. Please follow this Microsoft Technet article: Create an Incoming Webhook - Teams | Microsoft Docs.

Add the logging task to your deviceTRUST configuration: You'll find a "web request" task in the deviceTRUST console's action pane.



Select this type of task and fill information as required:

- URL: Your MS Teams Webhook's URL (from step 2)
- Headers: ContentType: application/json
- JSON body (example):

```
{"@type"      : "MessageCard",

    "@context"  : "http://schema.org/extensions",
```

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```
    "summary"   : "Security State %LOCAL_NAME%:%LOCAL_USER_NAME%",

    "themeColor" : "0078D7",

    "title"      : "Security State changed on %LOCAL_NAME%:
%LOCAL_USER_NAME%",

    "text"       : "Security State:%CONTEXT_SECURITY_STATE%"

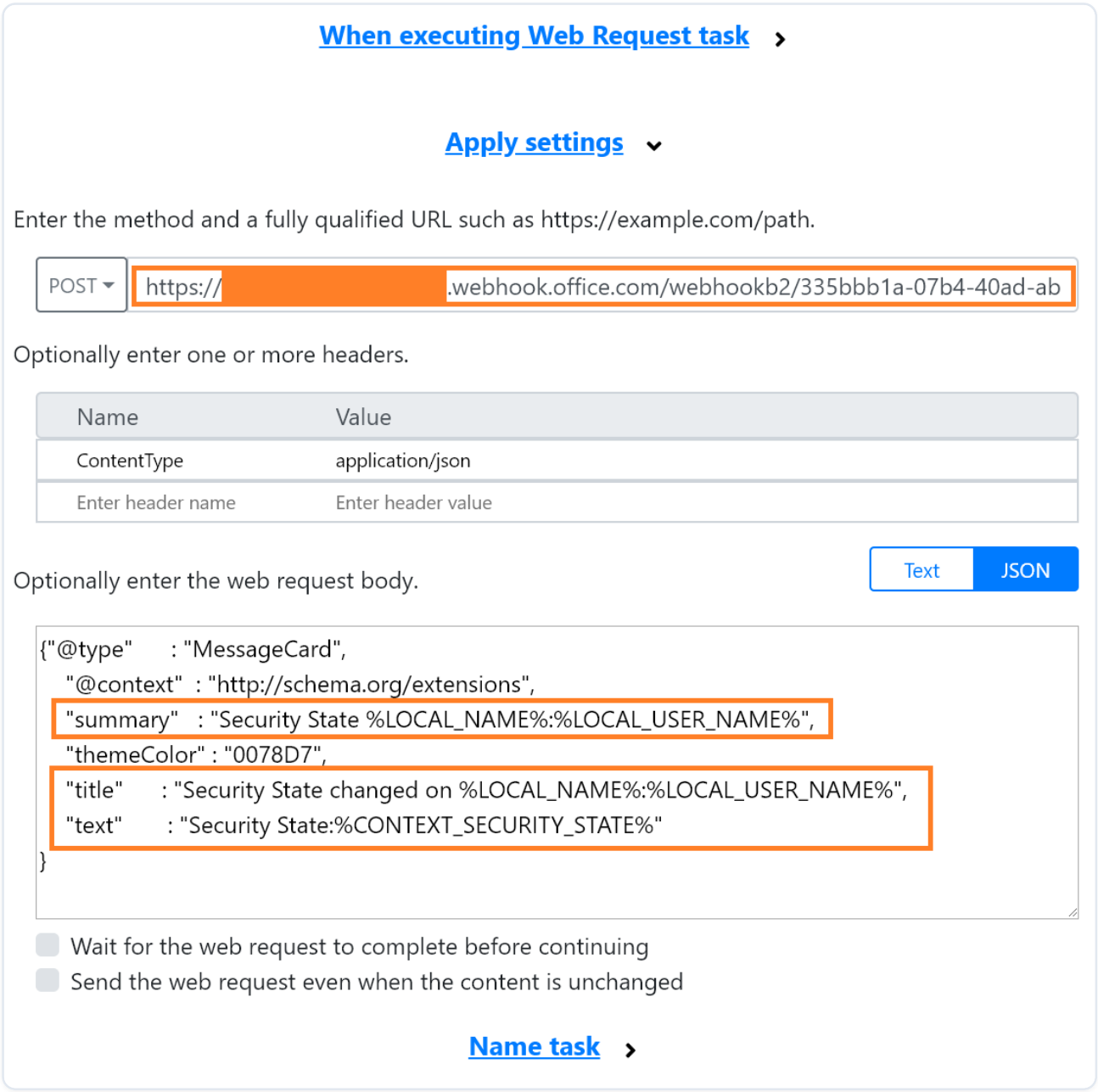
}
```

NOTE:

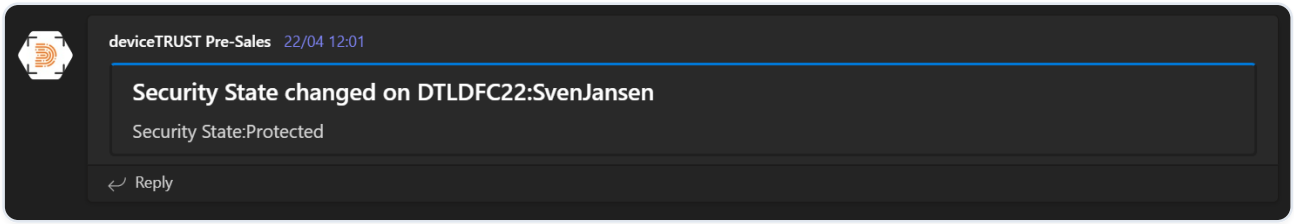
This configuration uses the variable %LOCAL_NAME%, %LOCAL_USER_NAME% and %CONTEXT_SECURITY_STATE%, which are to be seen exemplarily. Edit as required.

This is how a fully configured web request task could look like.

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1. Check Teams for data being received and displayed: Configuring the web request task as shown above will send information to MS Teams looking like this:



You can, of course, always change the content, add information and personalize the data as required.

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Policy Loading

deviceTRUST® policy can be distributed either as part of a Group Policy Object (GPO) or as a File-Based Policy. The deviceTRUST Agent merges the policies first from the GPOs and then from the File-Based Policies.

Active Directory GPOs

Policies written to either GPOs or Local Policy are merged into a single policy by the OS and loaded by the deviceTRUST Agent before any File-Based Policies.

The following merge order is used to process each GPO. This behavior is built into the OS and cannot be modified by deviceTRUST:

- The Local Policy
- GPOs linked to the site.
- GPOs linked to the domain.
- GPOs linked to organizational units (OUs) are applied. For nested OUs, GPOs linked to parent OUs are applied before GPOs linked to child OUs.

The Merging Policy Items rules are followed when merging Contexts, Actions, Messages and Settings across multiple policies.

File-Based Policies

File-Based Policy files are loaded from `%ProgramData%\deviceTRUST\Policy` after loading any GPOs. By default the deviceTRUST Agent will load all policy files it finds in this location. This behavior can be overridden and changed within the File-Based Policy Settings to either only load policies imported by `dtcmd IMPORT`, or to never load policies from disk (which must be defined within a GPO).

The folder containing the File-Based Policy files is secured by the agent with read access to Local Users, and full access to Local Administrators.

When File-Based Policy is enabled, files are loaded in alphabetical order. This ensures that when policy files are named beginning with a timestamp, the newest policy files take precendent over the older policy files. As an example, the file names listed below would be loaded in the following order:

- 2023-12-12_DenyAccessNonCompliantDevices.dtpol
- 2023-12-10_DenyAccessUnauthorizedUSB.dtpol

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- 2023-11-01_MappedDriveSettings.dtpol

The Merging Policy Items rules are followed when merging Contexts, Actions, Messages and Settings across multiple policies.

Merging Policy Items

When Contexts, Actions, Messages and Settings are merged from multiple policies, either from Active Directory GPOs, Local Policy or File-Based Policies, the following rules apply:

- Where a *Context* with the same name has already been included, subsequent contexts with this name are ignored.
- Where an *Action* with the same name has already been included, subsequent actions with this name are ignored.
- Where a *Message* with the same name has already been included, subsequent messages with this name are ignored.
- Where a *Setting* has already been included, subsequent settings of the same type are ignored.
- Where a *Use Case* has already been included, subsequent use cases of the same type are ignored.

Product Events

deviceTRUST® delivers information about its runtime behavior to the Windows Event Log for easy integration into existing Security Information and Event Management (SIEM) and reporting solutions. This information includes detailed properties of the remote device during user logon, reconnect, and also includes all properties that are changed whilst the user session is active.

Application Channel

The APPLICATION channel refers to the system Windows Event Log under WINDOWS LOGS\APPLICATION. The following events are included:

EVENT ID	NAME	TYPE	DATA FORMAT NAME	DESCRIPTION
1311	Event Info	Information	Event)	A custom information event was created by the Audit Event

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EVENT ID	NAME	TYPE	DATA FORMAT NAME	DESCRIPTION
				task set to Information.
1312	Event Warning	Warning	Event)	A custom information event was created by the Audit Event task set to Warning.
1313	Event Error	Error	Event)	A custom information event was created by the Audit Event task set to Error.

deviceTRUST/Admin Channel

The ADMIN channel can be found within the Windows Event Log under APPLICATION AND SERVICE LOGS\DEVICETRUST\ADMIN, or queried programmatically using the deviceTRUST/Admin channel. The following events are included:

EVENT ID	NAME	TYPE	DATA FORMAT NAME	DESCRIPTION
1	Service Started	Information	Service Status)	The deviceTRUST Agent Service has started.
2	Service Stopped	Information	Service Status)	The deviceTRUST Agent Service has stopped.
3	Policy Loaded	Information	Policy Loaded)	The deviceTRUST

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EVENT ID	NAME	TYPE	DATA FORMAT NAME	DESCRIPTION
				Agent Service loaded new policies.
4	Policy Load Failed	Error	Policy Loaded)	The deviceTRUST Agent Service attempted to load new policies but an error occurred.
11	License Validated	Information	License)	The license has been read, is valid, and is not yet expired, or within the expiry threshold (30 days). The license is read on service startup, and any time a new license is deployed by Group Policy.
12	License Expires Soon	Warning	License)	The license is valid, but it expires within the expiry threshold (30 days). The software will stop functioning once the expiry date is reached.
14	License Expired	Error	License)	The license is valid, but has expired. The

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EVENT ID	NAME	TYPE	DATA FORMAT NAME	DESCRIPTION
				software will no longer function.
16	License Invalid	Error	License Invalid)	The license contains invalid data.
17	Unmanaged User Logon	Information	Unmanaged User Logon)	An unmanaged user logged on.
18	License Not Found	Information	License)	The license could not be found. Citrix virtual sessions will be automatically licensed when deviceTRUST policy is applied.
101	Logon	Information	Connection)	A user successfully logged onto a new session.
102	Reconnect	Information	Connection)	A user successfully reconnected to an existing session.
103	Logoff	Information	Session)	A user which previously successfully logged onto a session was logged off.

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EVENT ID	NAME	TYPE	DATA FORMAT NAME	DESCRIPTION
104	Disconnect	Information	Session)	A user which previously successfully logged onto a session was disconnected from that session.
105	Property Changed	Information	Property Changed)	One or more local or remote properties were added, removed or changed.
106	Context Changed	Information	Context Changed)	One or more context values changed.
111	Untrusted Device Blocked	Warning	Untrusted Device Blocked)	A user attempted to logon or reconnect to an existing session, but the deviceTRUST Client Extension failed to provide properties of the remote connected device, and the policy determines that this information is required.

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EVENT ID	NAME	TYPE	DATA FORMAT NAME	DESCRIPTION
112	Trusted Device Blocked	Warning	Trusted Device)	A trusted device, i.e. a device with the deviceTRUST Client Extension installed, was blocked from access due to not meeting version or encryption minimum requirements.
113	Trusted Device Auto Update Succeeded	Information	Trusted Device Auto Update)	A trusted device was successfully auto-updated.
114	Trusted Device Auto Update Failed	Error	Trusted Device Auto Update Failed)	A trusted device failed to auto-update.
201	Custom Process Executed	Information	Custom Process)	A custom process was executed.
202	Custom Process Succeeded	Information	Custom Process Complete)	A custom process finished executing and the process did not report an error.
203	Custom Process Failed	Error	Custom Process Failed)	A custom process finished executing, but

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EVENT ID	NAME	TYPE	DATA FORMAT NAME	DESCRIPTION
				the process either timed out or reported an error.
301	Access Allowed	Information	Access Allowed)	Access to the shell was allowed after a Deny Access task was reverted.
302	Access Denied	Warning	User Message)	Access to the shell was denied by a Deny Access task.
303	Access Failed	Error	Access Failed)	A request to change access to the shell failed.
304	Logon Aborted	Warning	Logon Aborted)	The logon process was aborted.
311	Event Info	Information	Event)	A custom information event was created by the Audit Event task set to Information.
312	Event Warning	Warning	Event)	A custom information event was created by the Audit Event

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EVENT ID	NAME	TYPE	DATA FORMAT NAME	DESCRIPTION
				task set to Warning.
313	Event Error	Error	Event)	A custom information event was created by the Audit Event task set to Error.
321	AppLocker Rule	Information	AppLocker Rule)	The Microsoft AppLocker task generated a new rule.
322	AppLocker Rule Failed	Error	AppLocker Rule Failed)	The Microsoft AppLocker task failed to generate a new rule.
323	AppLocker Policy	Information	AppLocker Policy)	The Microsoft AppLocker Policy was generated following a change to the Microsoft AppLocker Policy Settings or a call to dtcmd APPLOCKER.
324	AppLocker Policy Failed	Error	AppLocker Policy)	An attempt to generate the Microsoft AppLocker Policy resulted

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EVENT ID	NAME	TYPE	DATA FORMAT NAME	DESCRIPTION
				in one or more errors.
325	AppLocker PowerShell Allowed	Information	AppLocker PowerShell)	A PowerShell Script or Cmdlet was allowed to execute.
326	AppLocker PowerShell Prevented	Error	AppLocker PowerShell)	A PowerShell Script or Cmdlet was prevented from executing.
331	Application Terminated	Information	Application Terminated)	An application was terminated because a user failed to close an application discovered by the Terminate App task.
332	Application Shutdown	Information	Application Shutdown)	A user was asked to shutdown an application discovered by the Terminate App task.
341	Popup Shown	Information	Popup Shown)	A popup message was shown to the user.
342	Popup Failed	Error	Popup Failed)	An attempt to display a popup

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EVENT ID	NAME	TYPE	DATA FORMAT NAME	DESCRIPTION
				message to the user failed.
351	Registry Updated	Information	Registry Updated)	The registry was updated.
352	Registry Warning	Warning	Registry Warning)	A warning was generated while updating the registry.
353	Registry Failed	Error	Registry Failed)	An attempt to update the registry failed.
361	Printer Mapped	Information	Printer Operation)	Printers were successfully mapped.
362	Printer Map Failed	Error	Printer Operation Failed)	An attempt to map printers failed.
363	Printer Unmapped	Information	Printer Operation)	Printers were successfully unmapped.
364	Printer Unmap Failed	Error	Printer Operation Failed)	An attempt to unmap printers failed.
365	Printer Set Default	Information	Printer Operation)	A printer was set as default.
366	Printer Set Default Failed	Error	Printer Operation Failed)	An attempt to set a default printer failed.
367	Printer Map Warning	Warning	Printer Operation Failed))	A warning was generated when

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EVENT ID	NAME	TYPE	DATA FORMAT NAME	DESCRIPTION
				attempting to map a printer.
368	Printer Set Default Warning	Warning	Printer Operation Failed)	A warning was generated when attempting to set a default printer.
371	App Masking Update	Information	App Masking Update)	A Microsoft FSLogix App Masking update was successfully applied.
372	App Masking Update Failed	Error	App Masking Update Failed)	A Microsoft FSLogix App Masking update failed.
381	Send Mail Succeeded	Information	Send Mail Succeeded)	A send mail task succeeded.
382	Send Mail Failed	Error	Send Mail Failed)	A send mail task failed.
391	Web Request Succeeded	Information	Web Request Succeeded)	A web request task succeeded.
392	Web Request Failed	Error	Web Request Failed)	A web request task failed.
401	Windows Firewall Succeeded	Information	Windows Firewall)	The Windows Firewall task succeeded to create a rule.

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EVENT ID	NAME	TYPE	DATA FORMAT NAME	DESCRIPTION
402	Windows Firewall Failed	Error	Windows Firewall Failed)	The Windows Firewall task failed to create a rule.
411	Drive Map	Information	Drive Operation)	A network drive was mapped.
412	Drive Map Warning	Warning	Drive Operation Failed)	A network drive failed to map, but the failover drive was successfully mapped.
413	Drive Map Failed	Error	Drive Operation Failed)	A network drives and any failover drives failed to map.
414	Drive Unmap	Information	Drive Operation)	A network drive was unmapped.
415	Drive Unmap Failed	Error	Drive Operation Failed)	A network drive failed to unmap.
421	Shortcut Creation Succeeded	Information	Shortcut Operation)	A shortcut was successfully created.
422	Shortcut Creation Failed	Error	Shortcut Operation Failed)	A shortcut failed to be created.
423	Shortcut Deletion Succeeded	Information	Shortcut Operation)	A shortcut was successfully deleted.

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EVENT ID	NAME	TYPE	DATA FORMAT NAME	DESCRIPTION
424	Shortcut Deletion Failed	Error	Shortcut Operation Failed)	A shortcut failed to be deleted.

The above events report the following event data:

NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
Service Status	Name (1)	TEXT	The name of the service, e.g. deviceTRUST Agent Service.
License	CustomerId (1)	GUID	An identifier that uniquely identifies the customer.
	LicenseId (2)	GUID	An identifier that uniquely identifies the license.
	IssueDate (3)	SYSTEMTIME	The date that the license was issued.
	ExpiryDate (4)	SYSTEMTIME	The date that the license expires.
	Type (5)	TEXT	The type of license, e.g. Subscription.
	Quantity (6)	INT	The quantity of units that can consume a license.
	Unit (7)	TEXT	The unit of license, e.g. User.

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
	Days (8)	INT	The number of days remaining on the license.
License Invalid	Message (1)	TEXT	A description of the reason why the license is invalid.
Unmanaged User Logon	LogonId (1)	GUID	An identifier representing the user logon.
	LogonTime (2)	SYSTEMTIME	The time that the user logged onto the session.
	SessionId (3)	INT	The session id that the user is connected to.
	UserName (4)	TEXT	The name of the user logged into the session.
	UserDomain (5)	TEXT	The domain of the user logged into the session.
	UserSID (6)	TEXT	The security identifier of the user logged into the session.
Policy Loaded	Name (1)	TEXT	The name of the service, e.g. deviceTRUST Agent Service.
	Policies (2)	TEXT	A list of the policies that were loaded and the timestamp that

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
			the policy was saved.
Policy Load Failed (extends Policy Loaded)	Error (3)	TEXT	A description of the error that occurred.
Session	LogonId (1)	GUID	Uniquely identifies events from the same logon session. By filtering on this field, all events related to a single logon session can be determined.
	LogonTime (2)	SYSTEMTIME	The time that the user logged onto the session.
	ConnectedId (3)	GUID	Uniquely identifies events from the same connection. Unlike the LogonId, the value of this field changes every time a new connection is established to an existing session.
	ConnectedTime (4)	SYSTEMTIME	The time that the user logged on, or reconnected, to the session.
	SessionId (5)	INT	The session id that the user is connected to.

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
	UserName (6)	TEXT	The name of the user logged into the session.
	UserDomain (7)	TEXT	The domain of the user logged into the session.
	UserSID (8)	TEXT	The security identifier of the user logged into the session.
Connection (extends Session)	DeviceId (9)	TEXT	Uniquely identifies the remote connected device. All activity originating from the same device can be queried by filtering on this field. This field is blank for local console sessions.
	DeviceName (10)	TEXT	The name of the remote connected device. This field is blank for local console sessions.
	DeviceOS (11)	TEXT	The operating system of the remote connected device. This field is blank for local console sessions, and if the deviceTRUST Client Extension did not provide details of the operating system.

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
	Properties (12)	TEXT	A textual representation of all local and remote properties. The properties are formatted with the name and value separated by an equals symbol (=), and multiple properties separated by a newline (\n) character. E.g. PROPERTY1=VALUE1\nPROPERTY2=VALUE2\n
	Contexts (13)	TEXT	A textual representation of all contexts. The contexts are formatted with the name and value separated by an equals symbol (=), and multiple contexts separated by a newline (\n) character. E.g. CONTEXT1=VALUE1\nCONTEXT2=VALUE2\n
	Errors (14)	TEXT	A description of any errors that occurred whilst obtaining properties.
	Timings (15)	TEXT	Lists the five local and remote property

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
			providers that took the longest to return, in milliseconds.
	Duration (16)	INT	The number of milliseconds it took for all deviceTRUST property providers to return.
Property Changed (extends Session)	AddedProperties (9)	TEXT	A textual representation of all properties that were added. The properties are formatted with the name and value separated by an equals symbol (=), and multiple properties separated by a newline (\n) character. E.g. PROPERTY1=VALUE1\nPROPERTY2=VALUE2\n
	RemovedProperties (10)	TEXT	A textual representation of all properties that were removed. The properties are formatted with the name of each property, with multiple properties separated by a newline (\n) character. E.g.

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
			PROPERTY1 \nPROPERTY2 \n
	ChangedProperties (11)	TEXT	A textual representation of all properties that were changed. The properties are formatted with the name and value separated by an equals symbol (=), and multiple properties separated by a newline (\n) character. E.g. PROPERTY1=VALUE1\nPROPERTY2=VALUE2\n
	PreviousProperties (12)	TEXT	A textual representation of the previous value of all properties that were changed or removed. The properties are formatted with the name and value separated by an equals symbol (=), and multiple properties separated by a newline (\n) character. E.g. PROPERTY1=VALUE1\nPROPERTY2=VALUE2\n
Context Changed (extends Session)	ChangedContexts (9)	TEXT	A textual representation of all

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
			contexts that were changed. The contexts are formatted with the name and value separated by an equals symbol (=), and multiple contexts separated by a newline (\n) character. E.g. CONTEXT_ONE=VALUE1\nCONTEXT_TWO=VALUE2\n
	PreviousContexts (10)	TEXT	A textual representation of the previous value of all contexts that were changed or removed. The contexts are formatted with the name and value separated by an equals symbol (=), and multiple properties separated by a newline (\n) character. E.g. CONTEXT_ONE=PREVIOUSVALUE1\nCONTEXT_TWO=PREVIOUSVALUE2\n
	TriggeredBy (11)	TEXT	The name of the property that changed that ultimately caused the context to change.

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
	Trigger (12)	TEXT	The name of the trigger that generated the context change event.
Untrusted Device Blocked (extends Session)	ClientName (9)	TEXT	The Operating System reported name of the connecting device.
Trusted Device (extends Session)	ClientName (9)	TEXT	The deviceTRUST Client Extension reported name of the connected device.
	ClientVersion (10)	TEXT	The version number of the deviceTRUST Client Extension on the remote device.
	MinimumVersion (11)	TEXT	The minimum version of the deviceTRUST Client Extension as defined by policy.
	Encrypted (12)	BOOLEAN	Set to true when application level encryption was used in addition to the encryption offered by the underlying protocol.
Trusted Device Auto Update (extends Trusted Device)	AutoUpdateUrls (13)	TEXT	The auto-update URLS that were used to upgrade the deviceTRUST Client Extension.

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
Trusted Device Auto Update Failed (extends Trusted Device Auto Update)	ErrorMessage (14)	TEXT	An error message reported by the upgrade of the deviceTRUST Client Extension.
Custom Process (extends Session)	TriggerName (9)	TEXT	The name of the trigger that launched the custom process, e.g. Logon or Reconnect.
	TriggerTime (10)	TIME	The time that the custom process was executed.
	TriggeredBy (11)	TEXT	The properties that resulted in the execution of the custom process.
	ActionName (12)	TEXT	The name of the action where the Custom Process task is located.
	SequenceIndex (13)	TEXT	The zero based index of the sequence within the action where the Custom Process task is located.
	TaskName (14)	TEXT	The name of the Custom Process task.
	CommandLine (15)	TEXT	The command line that was executed.

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
	RunAs (16)	TEXT	Either ‘USER’ or ‘SYSTEM’, depending upon the configuration of the trigger that was executed.
	Identity (17)	TEXT	The user name of the custom process.
	Pid (18)	INT	The Process ID of the custom process.
	Location (19)	TEXT	Determines whether the custom process was executed locally or remotely.
Custom Process Complete (extends Custom Process)	Duration (20)	INT	The time taken for the custom process to complete, in milliseconds.
	Output (21)	TEXT	The output messages returned by the custom process.
	Error (22)	TEXT	The error messages returned by the custom process.
Custom Process Failed (extends Custom Process)	Duration (20)	INT	The time taken for the custom process to complete, in milliseconds.
	Output (21)	TEXT	The output messages returned

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
			by the custom process.
	Error (22)	TEXT	The error messages returned by the custom process.
User Message (extends Session)	Title (9)	TEXT	A message title displayed to the user.
	Message (10)	TEXT	The message displayed to the user.
	Timeout (11)	INT	The timeout period that the message is displayed to the user.
Access Allowed (extends Session)	Message (9)	TEXT	The message reported by a call to dtcmd.exe ACCESS.
Access Failed (extends Session)	Reason (9)	TEXT	The reason that a call dtcmd.exe ACCESS failed.
	Message (10)	TEXT	The message supplied to a call to dtcmd.exe ACCESS that would have been displayed to the user if the call succeeded.
	Timeout (11)	INT	The timeout period that the user would have had before being disconnected from the session, if the call to dtcmd.exe

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
			ACCESS succeeded.
Logon Aborted (extends Session)	Message (9)	TEXT	The message displayed to the user detailing why the logon failed.
	Timeout (10)	INT	The timeout period that the user would have had before being logged out from the session.
Event (extends Session)	Message (9)	TEXT	A user supplied message from a call to dtcmd.exe EVENT.
	Report (10)	INT	Set to 1 when the report fields have been populated, or 0 otherwise.
	ReportTrigger (11)	TEXT	The trigger that resulted in the task being executed, such as Logon or ContextChanged.
	ReportAction (12)	TEXT	The name of the action that generated the event.
	ReportDeviceName (13)	TEXT	The name of the remote device that the user was connecting from.

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
	ReportDeviceOSName (14)	TEXT	The OS name of the remote device that the user was connecting from.
	ReportDeviceOSType (15)	TEXT	The OS type, such as Client or Server that the user was connecting from.
	ReportClientVersion (16)	TEXT	The version of the deviceTRUST Client Extension that was used to establish the remote device information.
	ReportContexts (17)	TEXT	The name and value of all contexts.
	ReportProperties (18)	TEXT	The name and value of all properties.
AppLocker Rule (extends Session)	Name (9)	TEXT	The name of the rule.
	Operation (10)	TEXT	The operation of the AppLocker rule, either Allow, Deny or Delete.
	Target (11)	TEXT	The target of the AppLocker rule, either Executable, Dll, Installer, Script or Package.
	Duration (12)	INT	The time taken for the AppLocker rule to become effective.

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
	Rule (13)	TEXT	The AppLocker XML fragment that defines the rule.
AppLocker Rule Failed (extends Session)	Name (9)	TEXT	The name of the rule.
	Operation (10)	TEXT	The operation of the AppLocker rule, either Allow, Deny or Delete.
	Target (11)	TEXT	The target of the AppLocker rule, either Executable, Dll, Installer, Script or Package.
	Duration (12)	INT	The time taken for the AppLocker rule to become effective.
	Message (13)	TEXT	A message explaining why the rule failed to apply.
AppLocker Policy	Event (1)	TEXT	The event that triggered the regeneration of policy, either 'Policy Change' or 'External Process'.
	Message (2)	TEXT	A description of the changes that were made.
	Duration (3)	INT	The time taken for the AppLocker Policy

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
			to be generated, in milliseconds.
AppLocker PowerShell (extends Session)	ImageName (9)	TEXT	The full path of the process that attempted to run the script or cmdlet.
	Pid (10)	INT	The process identifier of the process that attempted to run the script or cmdlet.
	Type (11)	INT	Set to 0 whenever PowerShell was running a cmdlet, or 1 when running a script.
	Script (12)	TEXT	The full path to the script that attempted to execute.
Application Terminated (extends Session)	Title (9)	TEXT	The title displayed to the user following a call to dtcmd.exe APPTERMINATE.
	Message (10)	TEXT	The message displayed to the user following a call to dtcmd.exe APPTERMINATE.
	Applications (11)	TEXT	A comma separated list of all processes and their PID’s that were terminated.

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
Application Shutdown (extends Application Terminated)	Termination Time (12)	DATE/TIME	The time that the applications will be terminated.
Popup Shown (extends Session)	Title (9)	TEXT	The popup title.
	Message (10)	TEXT	The popup message.
	Timeout (11)	INT	The timeout in seconds to display the popup.
Popup Failed (extends Session)	Reason (9)	TEXT	The reason that the popup failed to shown.
	Title (10)	TEXT	The popup title.
	Message (11)	TEXT	The popup message.
	Timeout (12)	INT	The timeout in seconds to display the popup.
Registry Updated (extends Session)	Values (9)	TEXT	The registry values.
	Persist (10)	TEXT	How to persist the registry values.
	Protect (11)	BOOLEAN	Whether the registry key is protected.
Registry Warning (extends Registry Updated)	Warnings (12)	TEXT	The warning messages generated by the update.

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
Registry Failed (extends Session)	Source (9)	TEXT	The source of the registry update.
	Reason (10)	TEXT	The reason the registry update failed.
Printer Operation (extends Session)	Printer (9)	TEXT	The path to the printers.
Printer Operation Failed (extends Printer Operation)	Reason (10)	TEXT	The reason that the printer operation failed.
App Masking Update (extends Session)	Path (9)	TEXT	The path to the Microsoft FSLogix App Masking Rule Assignment file.
	Operation (10)	TEXT	The type of operation.
	Entry (11)	TEXT	The entry to apply to the file.
App Masking Update Failed (extends App Masking Update)	Error (12)	TEXT	The reason that the Microsoft FSLogix App Masking update failed.
Send Mail (extends Session)	Host Name (9)	TEXT	The host name of the SMTP server.
	Recipients (10)	TEXT	A list of the recipients of the mail message.
	Subject (11)	TEXT	The subject of the mail message.

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
	Status Code (12)	INT	The status code reported by the SMTP server representing the success of the mail message.
	Duration (13)	INT	The time in milliseconds taken to send the mail message.
Send Mail Succeeded (extends Send Mail)	Message Id (14)	TEXT	Uniquely identifies the sent mail message.
Send Mail Failed (extends Send Mail)	Error (14)	TEXT	An error message representing the problem that occurred.
	Response (15)	TEXT	The response from the SMTP server.
Web Request Succeeded (extends Session)	Method (9)	TEXT	The method used in the web request.
	URL (10)	TEXT	The URL that the web request was sent.
	Status Code (11)	INT	The status code reported by the web server.
	Duration (12)	INT	The time in milliseconds taken to perform the web request.

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
	Request Id (13)	INT	Uniquely identifies the web request.
Web Request Failed (extends Web Request Succeeded)	Error (14)	TEXT	An error message representing the problem that occurred.
	Response (15)	TEXT	The response from the web server.
Windows Firewall (extends Session)	Action (9)	TEXT	Whether the firewall rule was an Allow or a Deny.
	RuleName (10)	TEXT	The name of the rule created.
Windows Firewall Failed (extends Windows Firewall)	Error (11)	TEXT	A description of the error that occurred.
Drive Operation (extends Session)	Drive (9)	TEXT	The drive that was mapped or unmapped.
Drive Operation Failed (extends Drive Operation)	Error (10)	TEXT	A description of the error that occurred.
Shortcut Operation (extends Session)	Shortcut Name (9)	TEXT	The name of the shortcut.
	Shortcut Directories (10)	TEXT	A list of directories that the shortcut should be created.
	Target Path (11)	TEXT	The path where the target file exists.

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
	Target Args (12)	TEXT	Any arguments to supply to the shortcut target.
Shortcut Operation Failed (extends Shortcut Operation)	Error (13)	TEXT	A description of the error that occurred.
	Update (10)	TEXT	A description of the update that occurred.
	Duration (11)	INT	The time in milliseconds taken to perform the update.

deviceTRUST/Usage Channel

The USAGE channel can be found within the Windows Event Log under APPLICATION AND SERVICE LOGS\DEVICETRUST\USAGE, or queried programmatically using the deviceTRUST/Usage channel. The following event is included.

EVENT ID	NAME	TYPE	DATA FORMAT NAME	DESCRIPTION
21	Usage	Information	Usage)	Raised when a license unit, e.g. a User, logs into the local device for the first time within a calendar month.

The above event reports the following event data:

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NAME	FIELD NAME (INDEX)	FORMAT	DESCRIPTION
Usage	TrackingId (1)	TEXT	Uniquely identifies the license unit, e.g. the User, that logged in. For a user, this is a Base64 encoded SHA256 hash of the user's security identifier.
	TrackingName (2)	TEXT	The name of the license unit that logged in, e.g. the user name.
	TrackingUnit (3)	TEXT	The unit of license, e.g. User.

Telemetry data elements

- Configuration telemetry
- Usage telemetry
- Lookups

Configuration telemetry

Header

KEY	DESCRIPTION	EXAMPLE
ver	The version of the telemetry event.	1.0
id	This is a unique identifier of the configuration event.	9a7a774a-d7be-4b7e-bf43-d3adce32aadc
type	This is the event type used by Citrix Analytics Service to identify feature events.	Configuration

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KEY	DESCRIPTION	EXAMPLE
st	The timestamp when the event is generated by the deviceTRUST Agent.	2025-04-16T12:00:00.0000Z
prod	Identify the originating product and deployment of the event.	deviceTRUST®
prodVer	deviceTRUST Agent product version.	2511.100.0
tenant.orgid	Organizational ID that the installed licenses are associated with.	12345

Payload

FIELD	DESCRIPTION	EXAMPLE
os_version	Operating System version that the deviceTRUST Agent is installed on.	10.0.23501
os_server	Determines if the Operating System is a server (e.g. Server 2022) rather than a client (e.g. Windows 11).	false
license_customer_id	The deviceTRUST license customer identifier extracted from a deviceTRUST license.	22d6b9e0-b014-42f0-b870-af7067d27164
device_id	Unique device identifier (BIOS serial number). *scrambled*	n7+hhF/2NRhfPG2U
policy_gpo_count	The number of GPO based policies.	1
policy_local_count	The number of Local policies (either 0 or 1).	0

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FIELD	DESCRIPTION	EXAMPLE
policy_file_count	The number of File Based Policies.	1
imported_template_ids	Identifies any template that have been imported into the policy.	[4, 87]
context_count	The number of Context's within the deviceTRUST Policy.	8
action_count	The number of Action's within the deviceTRUST Policy.	5
message_count	The number of Message's within the deviceTRUST Policy.	14
message_locale_count	The Message Locale's in use within the deviceTRUST Policy.	2
properties_local	A bit-flag representing the properties that are collected from the local device. See Property Flag Lookup below.	33560832
properties_multihop	A bit-flag representing the properties that are collected from intermediate hops within a multi-hop architecture. See Property Flag Lookup below.	33558528
properties_remote	A bit-flag representing the properties that are collected from the remote device. See Property Flag Lookup below.	20480
properties_remote_ext	A bit-flag representing the extended properties that are collected from the remote device. See	32

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FIELD	DESCRIPTION	EXAMPLE
	PropertiesExtended Flag Lookup below.	
tasks	A bit-flag representing the tasks that are included within the policy. See Tasks Flag Lookup below.	2053
settings_enabled	Describes which settings that are configured by the customer. See Settings Flag Lookup below.	3
settings_config	Determines if various settings are configured.	16

Usage telemetry

Header usage telemetry

KEY	DESCRIPTION	EXAMPLE
ver	The version of the telemetry event.	1.0
id	This is a unique identifier of the configuration event.	9a7a774a-d7be-4b7e-bf43-d3adce32aadc
type	This is the event type used by Citrix Analytics Service to identify feature events.	Usage
st	The timestamp when the event is generated by the deviceTRUST Agent.	2025-04-16T12:00:00.0000Z
prod	Identify the originating product and deployment of the event.	deviceTRUST

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KEY	DESCRIPTION	EXAMPLE
prodVer	deviceTRUST Agent product version.	2511.100.0
tenant.orgid	Organizational ID that the installed licenses are associated with.	12345

Payload usage telemetry

FIELD	DESCRIPTION	EXAMPLE
license_customer_id	The deviceTRUST license customer identifier extracted from a deviceTRUST license.	22d6b9e0-b014-42f0-b870-af7067d27164
device_id	Unique device identifier (BIOS serial number). *Scrambled*	n7+hhF/2NRhfPG2U
duration	The number of seconds that the session was active.	28452
protocol	The protocol for the session. See Protocol Lookup below.	3
connected	Determines whether connectivity was established with the deviceTRUST Client Extension.	true
remote_platform	Identifies the remote platforms. See Platform Lookup below.	4
tasks_executed	Defines the types of task that were executed during the session.See Tasks Flag Lookup below.	2053

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Lookups

Platform Lookup

VALUE	DESCRIPTION
0	Unknown
1	Windows
2	macOS
3	Linux
4	eLux®
5	IGEL
6	Rangee
7	NoTouch
8	ChromeOS
9	iOS

Property Flag Lookup

FLAG	DESCRIPTION
0x00000001	Access Point
0x00000002	Browser
0x00000004	Cellular
0x00000008	Certificate
0x00000010	Display
0x00000020	Domain
0x00000040	Hardware

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FLAG	DESCRIPTION
0x00000080	Input
0x00000100	Location
0x00000200	Logical Disk
0x00000400	Mapped Drive
0x00000800	MDM
0x00001000	Name
0x00002000	Network
0x00004000	OS
0x00008000	Password Policy
0x00010000	Power
0x00020000	Printer
0x00040000	Region
0x00080000	Remote Control
0x00100000	Remoting Client
0x00100000	Performance
0x00200000	Screen Saver
0x00400000	Security Product
0x00800000	Session
0x01000000	Smartcard Reader
0x02000000	User
0x04000000	Whois

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FLAG	DESCRIPTION
0x08000000	Windows
0x10000000	Windows Defender
0x20000000	Windows Firewall
0x40000000	Windows Registry
0x80000000	Windows Update

PropertyExtended Flag Lookup

FLAG	DESCRIPTION
0x00000001	macOS
0x00000002	macOS Firewall
0x00000004	macOS Update
0x00000008	Chrome OS
0x00000010	eLux
0x00000020	IGEL
0x00000040	NoTouch
0x00000080	iOS

Protocol Lookup

VALUE	DESCRIPTION
0	Unknown
1	Console
2	RDP
3	HDX/ICA

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Settings Flag Lookup

FLAG	DESCRIPTION
0x00000001	Advanced
0x00000002	Auditing
0x00000004	Custom Properties
0x00000008	File-Based Policy
0x00000010	Licensing
0x00000020	Mail Server
0x00000040	Map Drive
0x00000080	Microsoft AppLocker
0x00000200	Mobile
0x00000400	Printer
0x00000800	Properties
0x00001000	Security
0x00002000	System Messages

Tasks Flag Lookup

FLAG	DESCRIPTION
0x00000001	Audit Event
0x00000002	Citrix Policy
0x00000004	Deny Access
0x00000008	FSLogix App Masking
0x00000010	Logon Abort

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FLAG	DESCRIPTION
0x00000020	Map Drive
0x00000040	Map Printer
0x00000080	Microsoft AppLocker
0x00000200	Popup Message
0x00000400	Screen Saver
0x00000800	Send Mail
0x00001000	Shortcut
0x00002000	Terminate App
0x00004000	User Session
0x00008000	Web Request
0x00010000	Windows Firewall
0x00020000	Windows Policy
0x00040000	Windows Registry
0x00080000	Custom Process

iOS Managed App Configuration

The following fields define the *Managed App Configuration* that can be deployed by an MDM provider to control the behavior of the deviceTRUST® iOS Client Extension.

NAME	TYPE	DESCRIPTION	EXAMPLE
deviceName	string	Provides the user assigned device name.	`$DEVICE_NAME$`
deviceSerialNumber	string	Provides the serial number of the	`$DEVICE_SN$`

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NAME	TYPE	DESCRIPTION	EXAMPLE
		device. This is used to populate the REMOTE_HARDWARE_BIOS_SERIAL property.	
userName	string	Defines the user name that the device is assigned to.	
userDomain	string	Defines the user domain name of the user that the device is assigned to.	
userPrincipleName	string	Defines the user principle name (UPN) of the user that the device is assigned to.	
permitAddRegistration	boolean	Determines whether the *Add Registration* menu item is available once the device has been registered.	`false`
permitRemoveRegistration	boolean	Determines whether the *Remove Registration* menu item is available once the device has been registered.	`false`
registrationKey	string	Defines the App Registration's key. When defines, the iOS Client Extension will automatically register instead of using the device	

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NAME	TYPE	DESCRIPTION	EXAMPLE
		camera to scan a QR code.	
customProperty0..15	string	Defines up to 16 custom properties available to the MDM provider. Custom properties must be prefixed with *REMOTE_CUSTOM_* followed by a name and value separated by an equals symbol.	`REMOTE_CUSTOM_PHONE_NUMBER=$PHONE_NUMBER$`

The *userName* and *userDomain* fields, or alternatively the *userPrincipleName* field, can be used to optionally identify the user that the iOS device belongs to. This can be used to generate a notification simplifying the entry of the passcode.

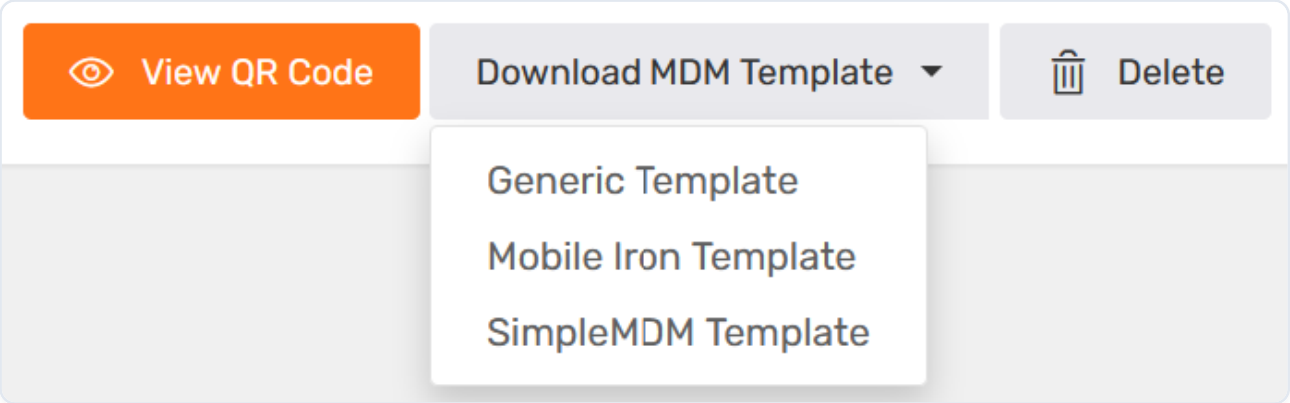
NOTE:

- Each MDM provider includes it's own format to push MDM attributes into the managed app configuration. The examples above are represented as an attribute name separated by `$` symbols. Check your MDM provider documentation for more information.

deviceTRUST Portal MDM Templates

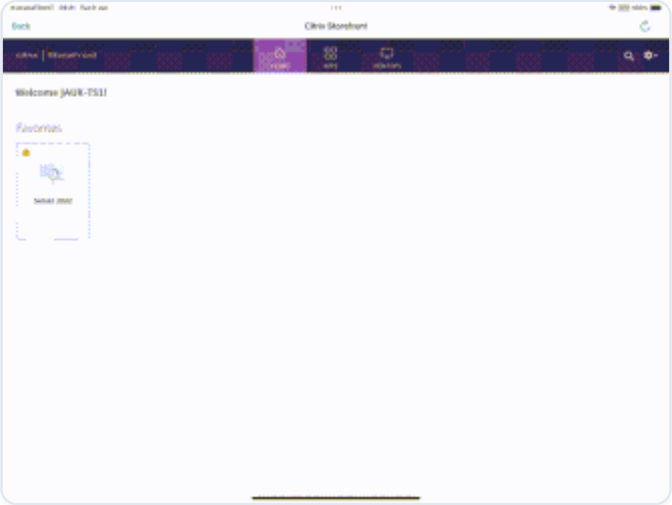
An MDM Template *plist* file can be downloaded from the deviceTRUST Portal within the *App Registration* section. This file contains all of the fields above, and can be edited with values suitable for your environment before uploading to your MDM provider.

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iOS Passcodes

iOS passcodes provide a mechanism to link a virtual session to a registered iOS device. A passcode is shown within the virtual session during the initial remote connection. That passcode must then be entered within the deviceTRUST® Client Extension for iOS for the connection to be established. Passcodes are unique to your organisation.



Passcode complexity and expiry

The passcode complexity and expiry can be changed within Mobile Settings. The passcode complexity controls the number of digits within a passcode, and can be set to 3, 4, 5 or 6 digits. Smaller organisations may choose a smaller passcode complexity so that they are easier to remember. Larger organisations should choose a larger passcode complexity.

Passcodes remain valid for the passcode expiry time which can be from 30 seconds to 3 minutes. Shorter passcode expiry times gives the user less time to enter the passcode. Longer passcode expiry times give the user more time to enter the passcode. Once a connection has been established with the iOS device, or the passcode expires, then the passcode is removed from the system and may be reused for other connections.

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Simplifying passcode entry with notifications

Organisations that issue a single iOS device to each user may associate each device with that user within the deviceTRUST Portal. Each device has the following fields that enable this:

- *userName* - The name of the user within Active Directory.
- *userDomain* - The name of the user domain within Active Directory.
- *userPrincipleName* - The user principle name of the user within Active Directory.

When a user logs in from an iOS device, a check is performed to determine if that user has a single device associated with them. The check is performed against the user name and domain, or the user principle name. If a single device is found, then a notification containing the passcode is sent to the device. If the user clicks on that notification, the passcode is automatically entered.

The user fields above can be automatically updated within the deviceTRUST Portal by deploying an MDM Managed App Configuration to the iOS devices.

Redirecting back to the remoting client

Once the user passcode has been entered, the deviceTRUST Client Extension for iOS can optionally redirect back to the remoting client. Within the Mobile Settings is a *Success Link* field which is opened whenever the properties of the iOS device have successfully been sent to the deviceTRUST Agent. The Success Link control contains predefined values for Citrix Workspace, Microsoft Remote Desktop and VMware Horizon Client.

Actions

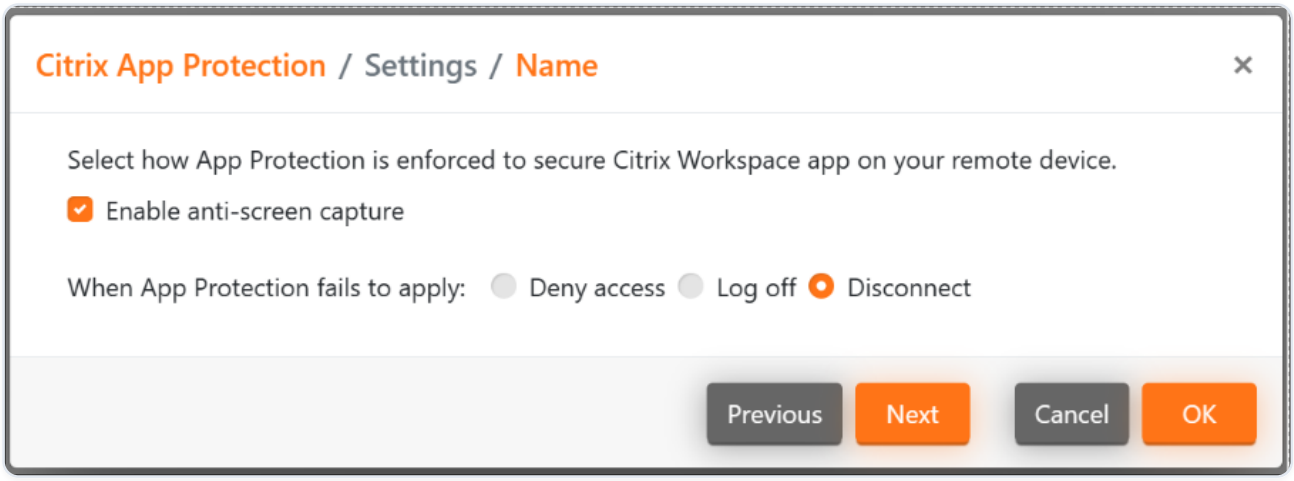
TABLE OF CONTENTS

- Tasks - Task Reference

Citrix App Protection

The Citrix App Protection task enables Citrix App Protection to secure Citrix Workspace app on the remote device.

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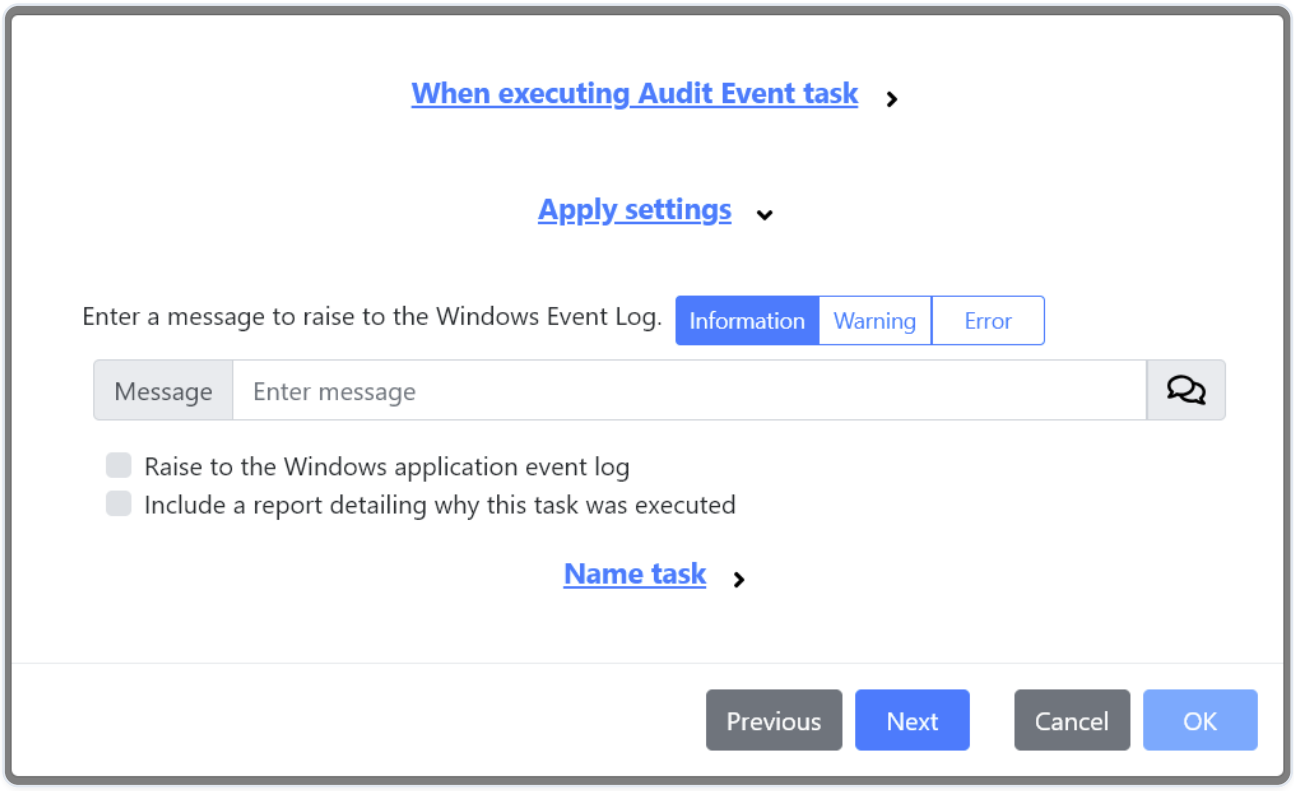
The following controls are available:

- Enable anti-screen capture – When enabled, will dynamically enable App Protection Anti-Screen Capture technology on the remote device when running a supported version of Citrix Workspace app.
- When App Protection fails to apply – Allows one of the following selections when App Protection fails to apply:
  - Deny access – Denies access to the virtual session with the supplied message.
  - Log off – Forces a log-off of the user from the virtual session.
  - Disconnect – Disconnects the virtual session.

Audit Event Task

The `Audit Event` task raises an Information, Warning or Error event to the Windows Event Log.

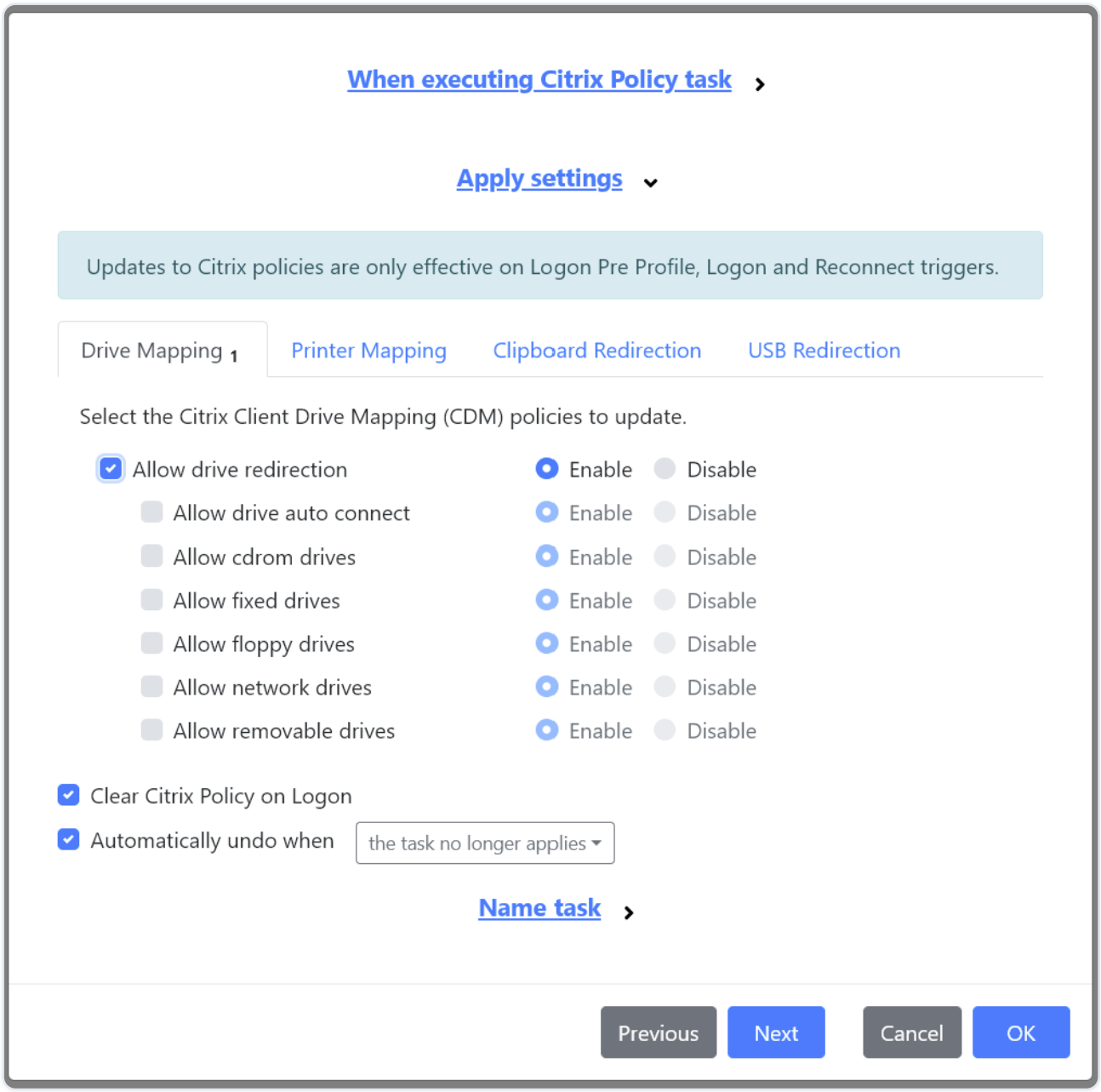
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Citrix Policy Task

The `Citrix Policy` task updates Citrix policies which control the sharing of data with the remote device.

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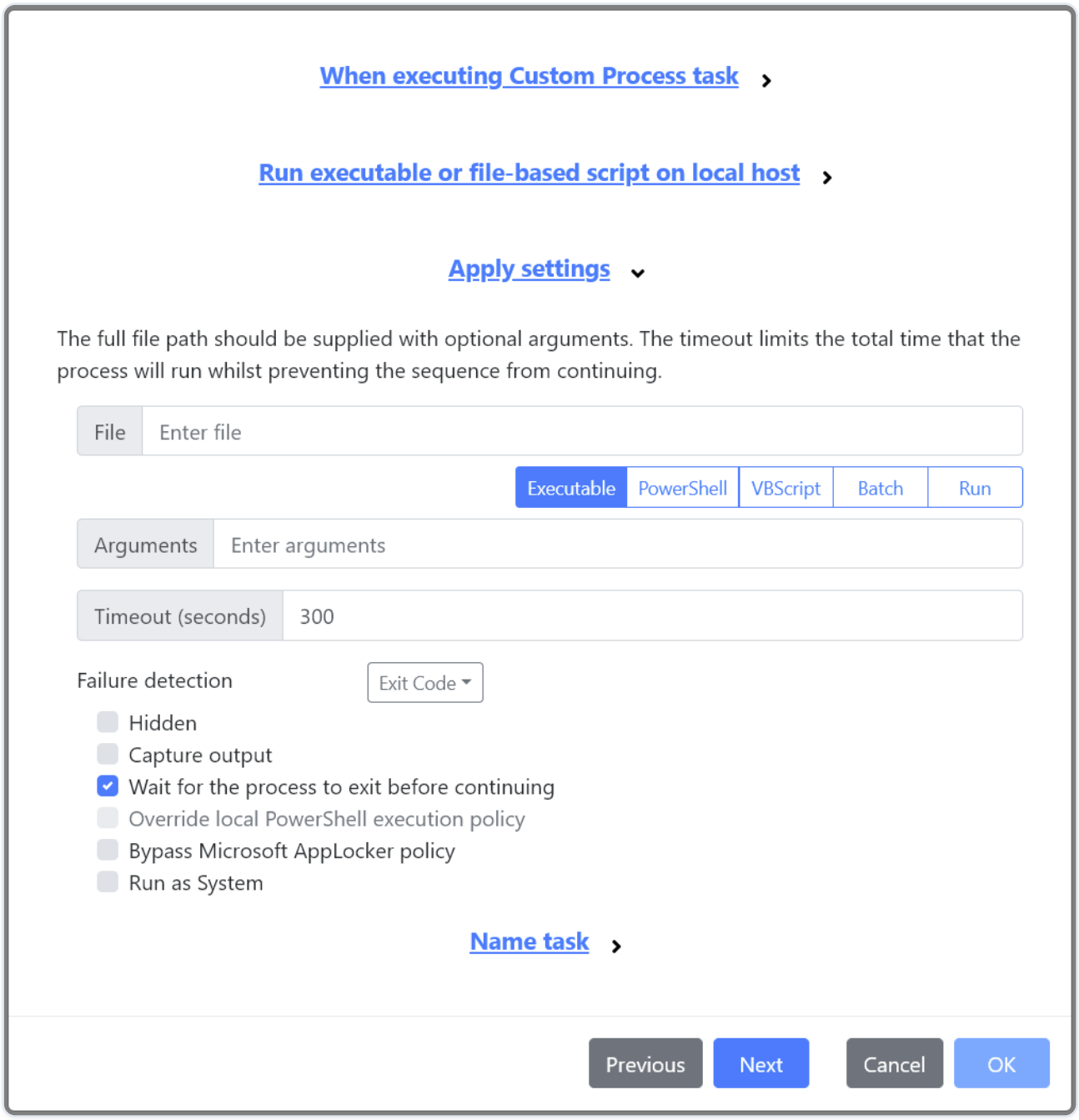
The following controls are available:

- *Clear Policy on Logon* - When enabled, the Citrix policy at `HKLM\Software\Policies\Citrix\<SESSIONID>` is deleted during early logon. This policy will be rebuilt by Citrix later in the logon process.

Custom Process Task

The `Custom Process` task runs an executable or script on the local or remote device.

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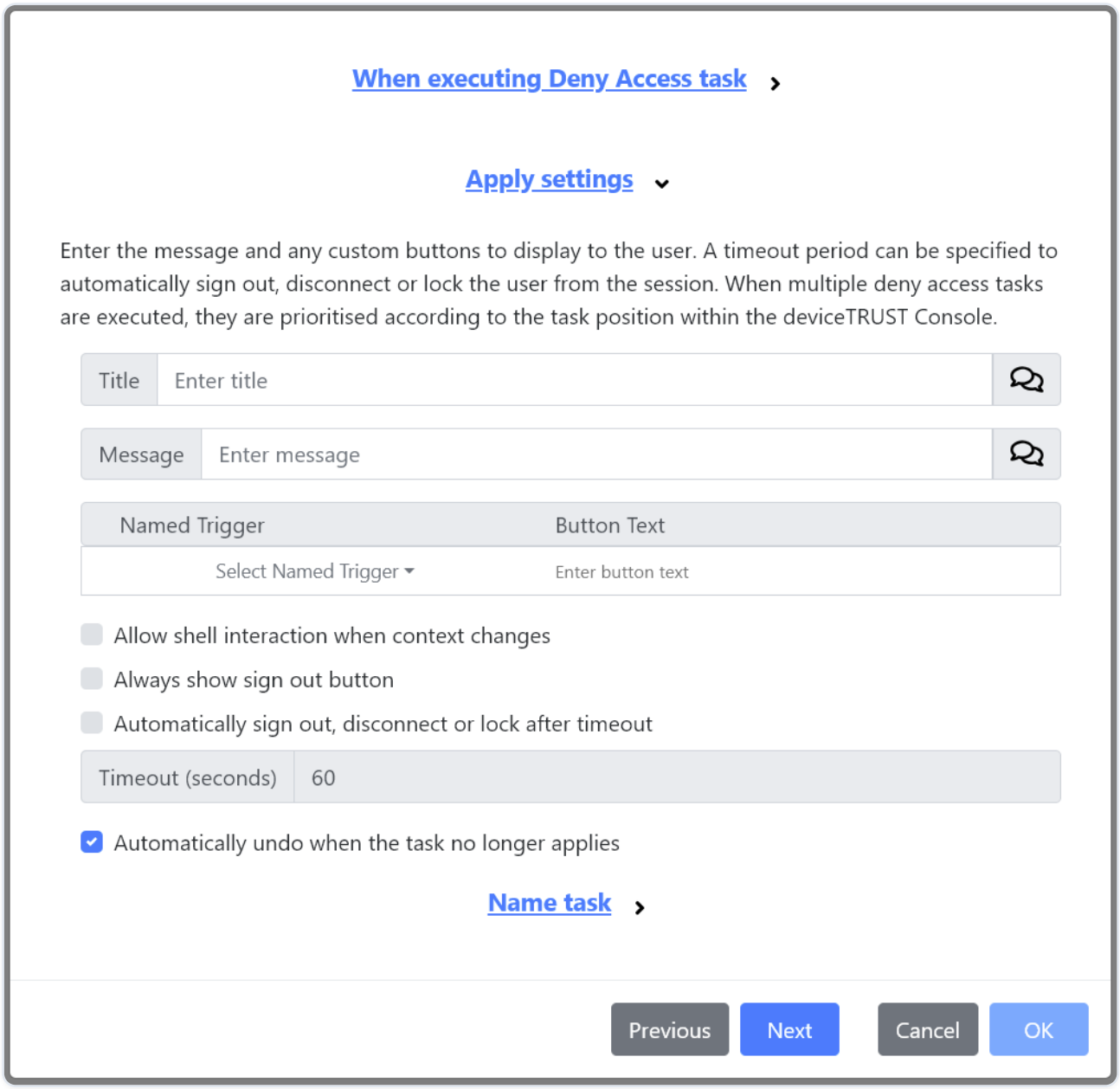


When executed, the signed and trusted script will run on the local or remote Windows Device. Information about custom script signing can be found in the Custom Script Signing knowledge base article.

Deny Access Task

The `Deny Access` task controls access to the shell, optionally signing out, disconnecting or locking the user after the specified timeout period.

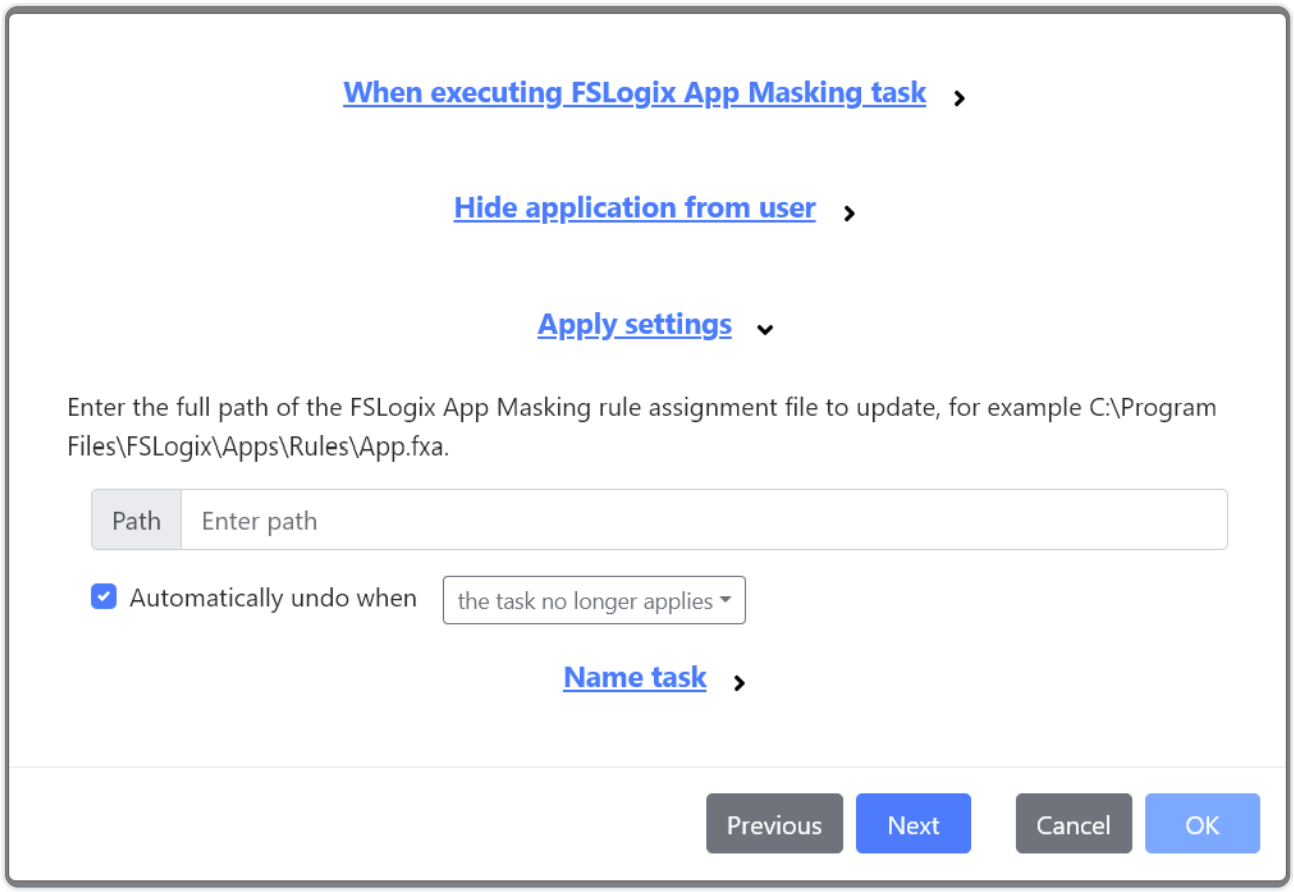
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FSLogix App Masking Task

The `FSLogix App Masking` task manages the user assignments of a FSLogix App Masking Rule Set, controlling the availability of an application within the user session.

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Task Reference

TABLE OF CONTENTS

- Audit Event - Raises an Information, Warning or Error event to the Windows Event Log.
- Citrix App Protection - Enables Citrix App Protection to secure Citrix Workspace app on the remote device.
- Citrix Policy - Updates Citrix policies which control the sharing of data with the remote device.
- Custom Process - Runs an executable or script on the local or remote device.
- Deny Access - Controls access to the shell, optionally signing out, disconnecting or locking the user after the specified timeout period.
- FSLogix App Masking - Manages the user assignments of a FSLogix App Masking Rule Set, controlling the availability of an application within the user session.
- Logon Abort - Aborts the logon process, preventing the creation of the user session.
- Map Drive - Maps and unmaps network drives within the user session.
- Map Printer - Maps and unmaps network printers within the user session, and sets the default printer.

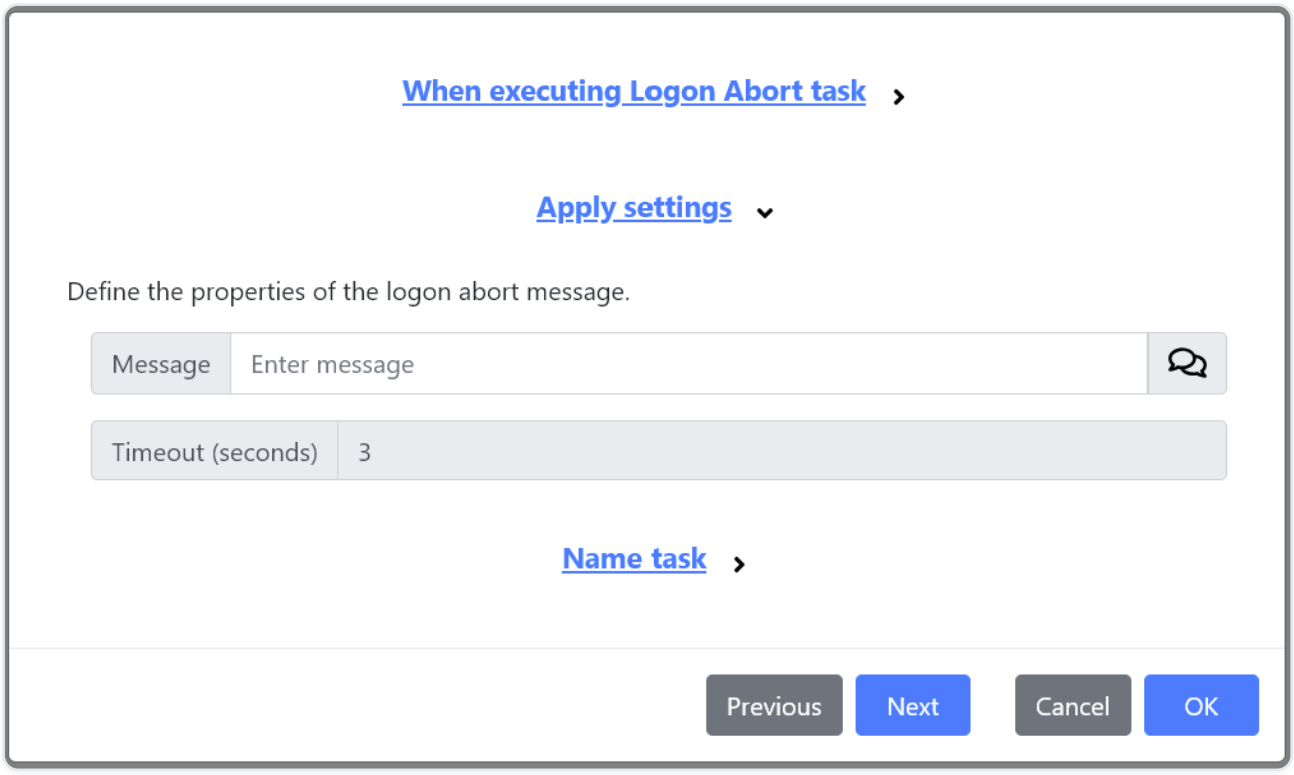
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- Microsoft AppLocker - Creates, updates and deletes Microsoft AppLocker rules for the logged in user.
- Popup Message - Displays a popup message to the user, either in a top level popup window, or using an Action Center notification when available.
- Screen Saver - Updates the screen saver settings within the session.
- Send Mail - Sends an email with the defined content.
- Shortcut - Creates a shortcut within the user session.
- Terminate App - Terminates applications that should not be running within the user session.
- User Session - Locks, Disconnects, or Signs out the user session.
- Web Request - Invokes a web request.
- Windows Firewall - Creates a Windows Firewall outbound rule to allow or deny access to a remote resource for the logged in user.
- Windows Policy - Updates Windows policies allowing control of removable storage devices on the local device.
- Windows Registry - Updates or deletes values from the Windows Registry.

Logon Abort Task

The `Logon Abort` task aborts the logon process, preventing the creation of the user session. When run as part of a Logon Pre Profile trigger, ensures that the user policy is not created. A message is displayed to the user briefly before reverting to an Operating System dependent access denied screen.

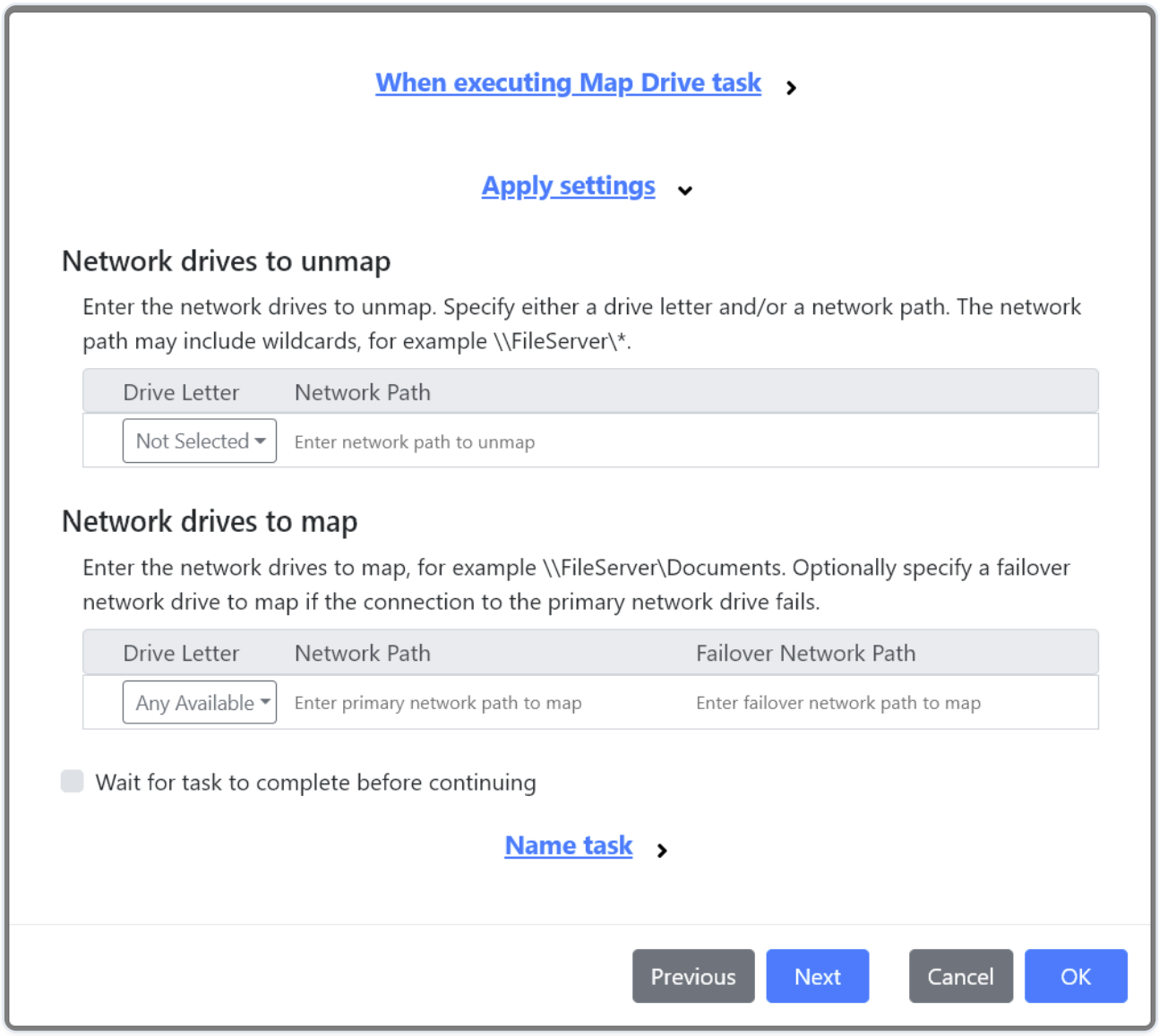
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Map Drive Task

The `Map Drive` task maps and unmaps network drives within the user session.

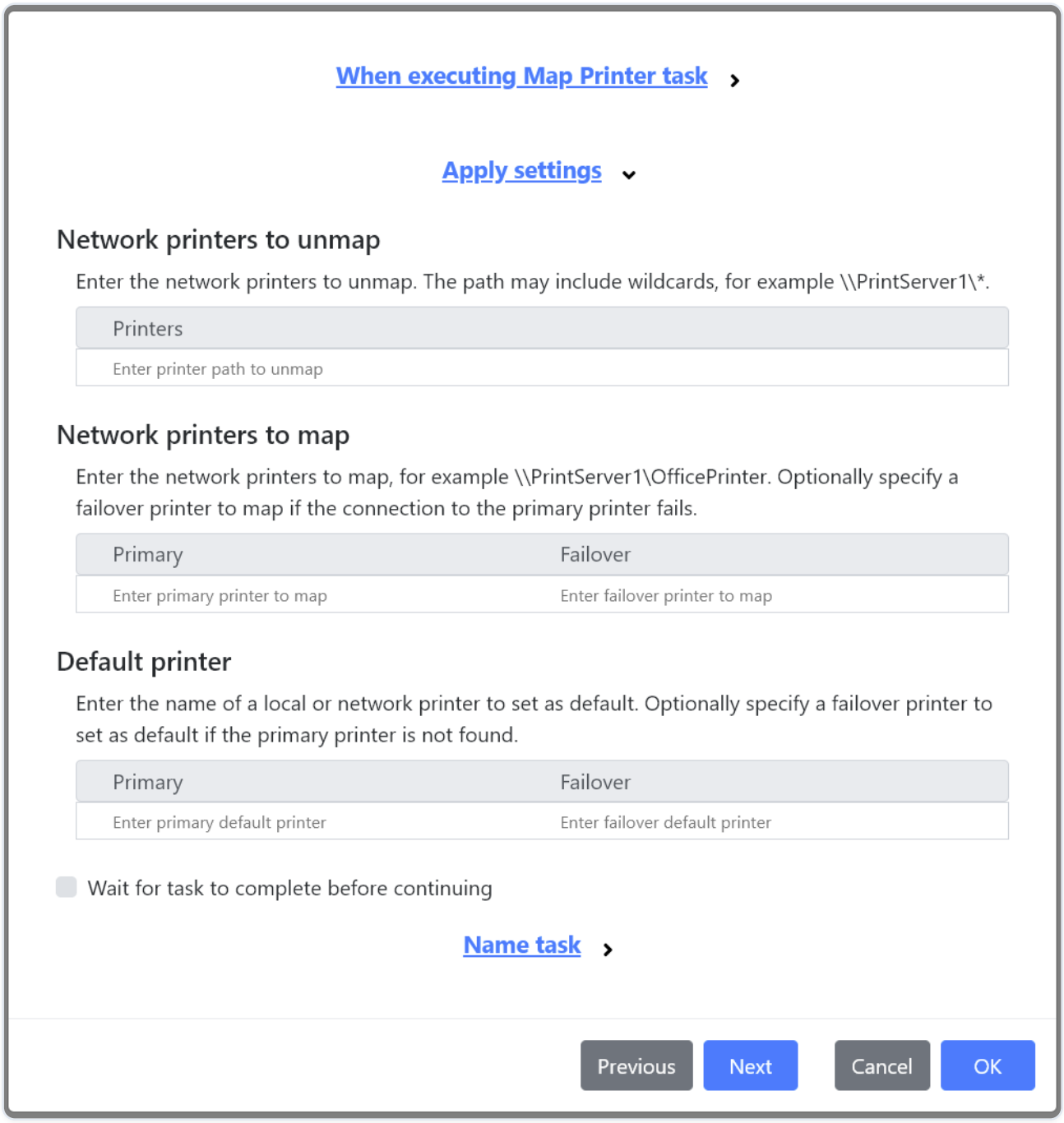
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Map Printer Task

The `Map Printer` task maps and unmaps network printers within the user session, and sets the default printer.

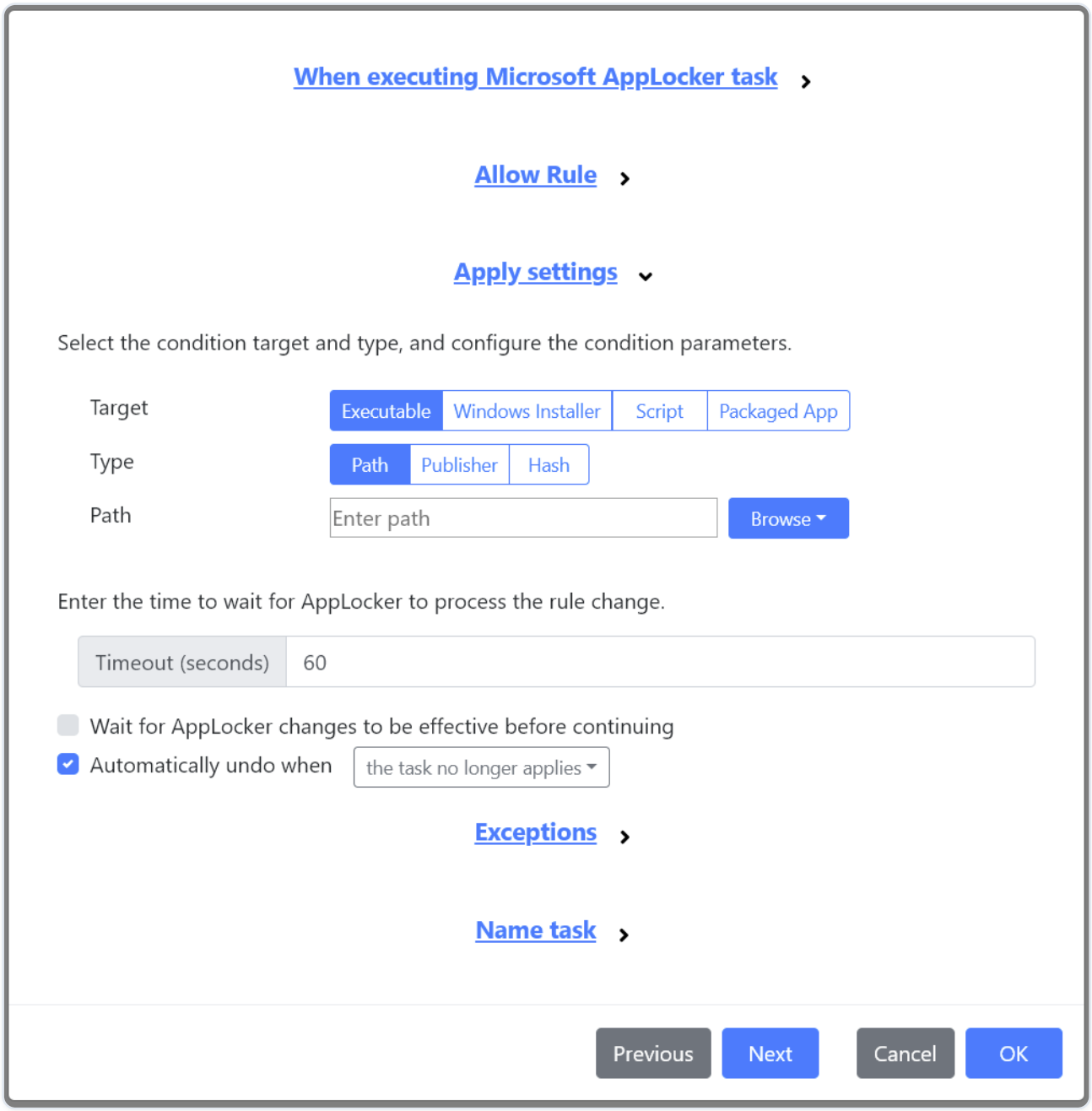
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Microsoft AppLocker Task

The `Microsoft AppLocker` task creates, updates and deletes Microsoft AppLocker rules for the logged in user. Microsoft AppLocker must be configured and running for the rule to be effective.

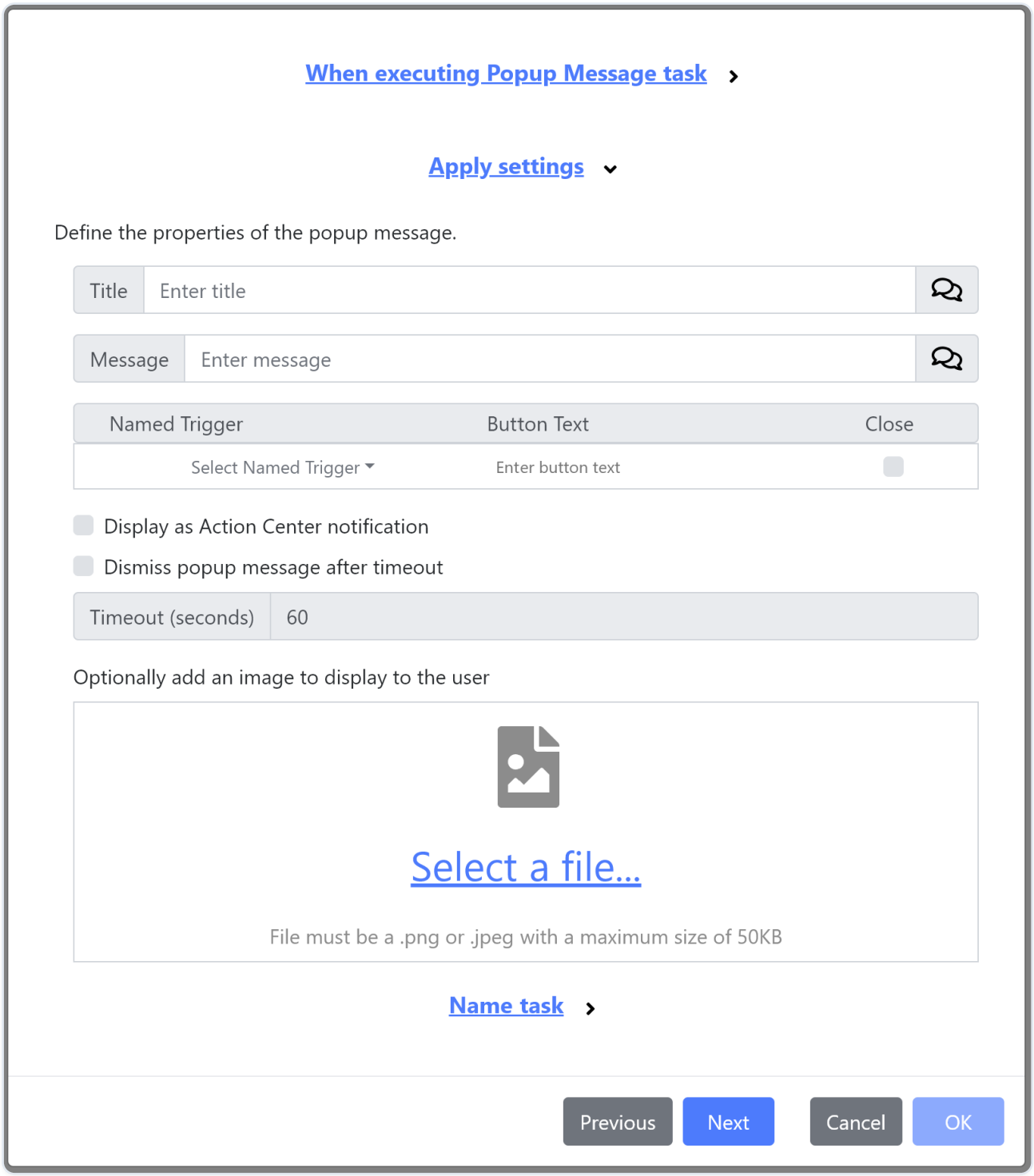
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Popup Message Task

The `Popup Message` task displays a popup message to the user, either in a top level popup window, or using an Action Center notification when available.

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The following controls are available:

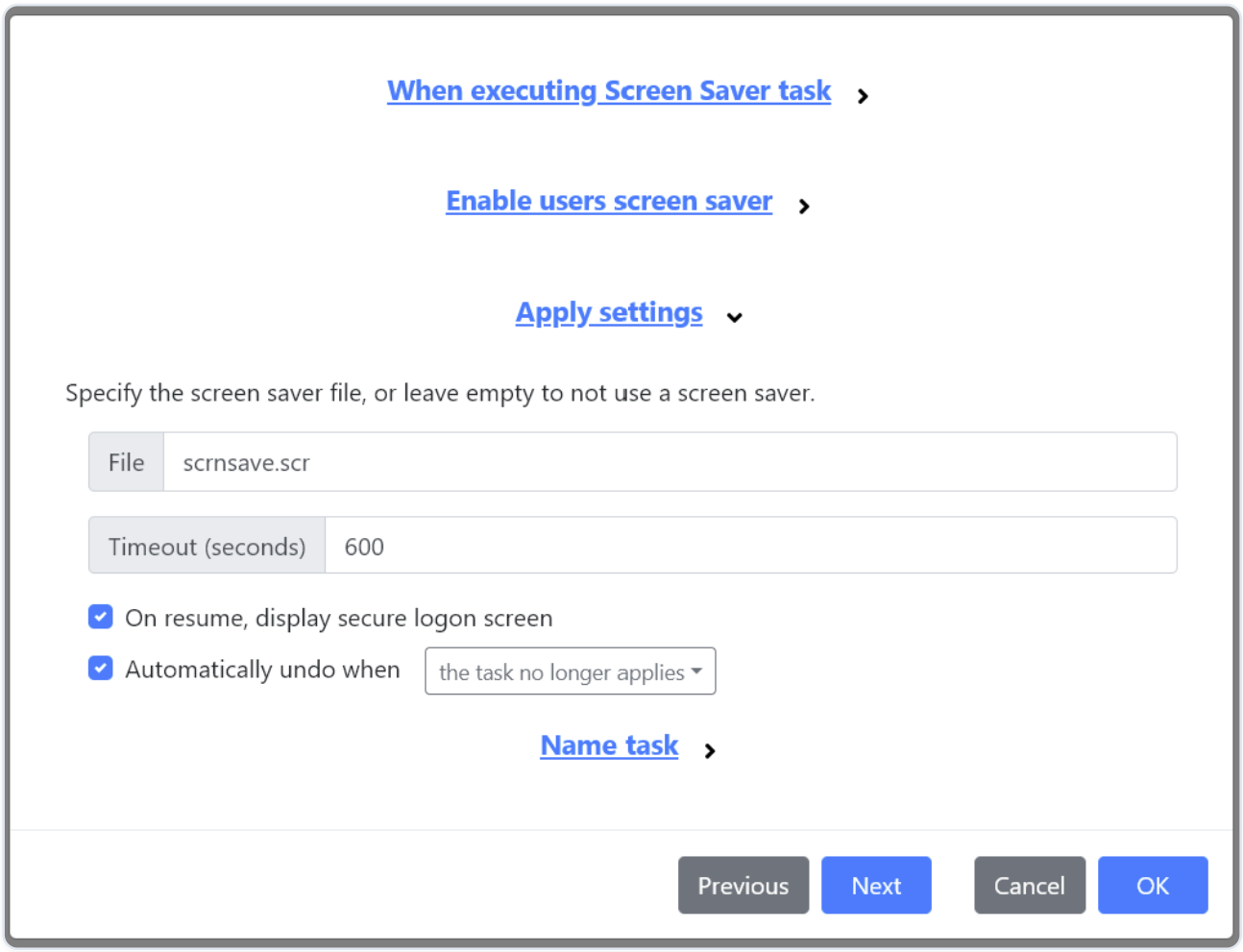
- *Title* - The title of the message displayed to the user.
- *Message* - The message displayed to the user.
- *Buttons* - Optionally, one or more additional buttons to add to the popup:
  - *Named Trigger* - The name of a named trigger to execute when the user clicks the button.
  - *Button Text* - The text displayed to the user on the button.
  - *Close* - When checked, the popup message is closed when the user clicks the button.

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- *Display as Action Center Notification* - When checked, the popup message is shown using the OS notifications.
- *Dismiss popup message after timeout*- When checked, the popup message is automatically closed after the specified time period.
- *Image* - An optional image displayed on the popup.

Screen Saver Task

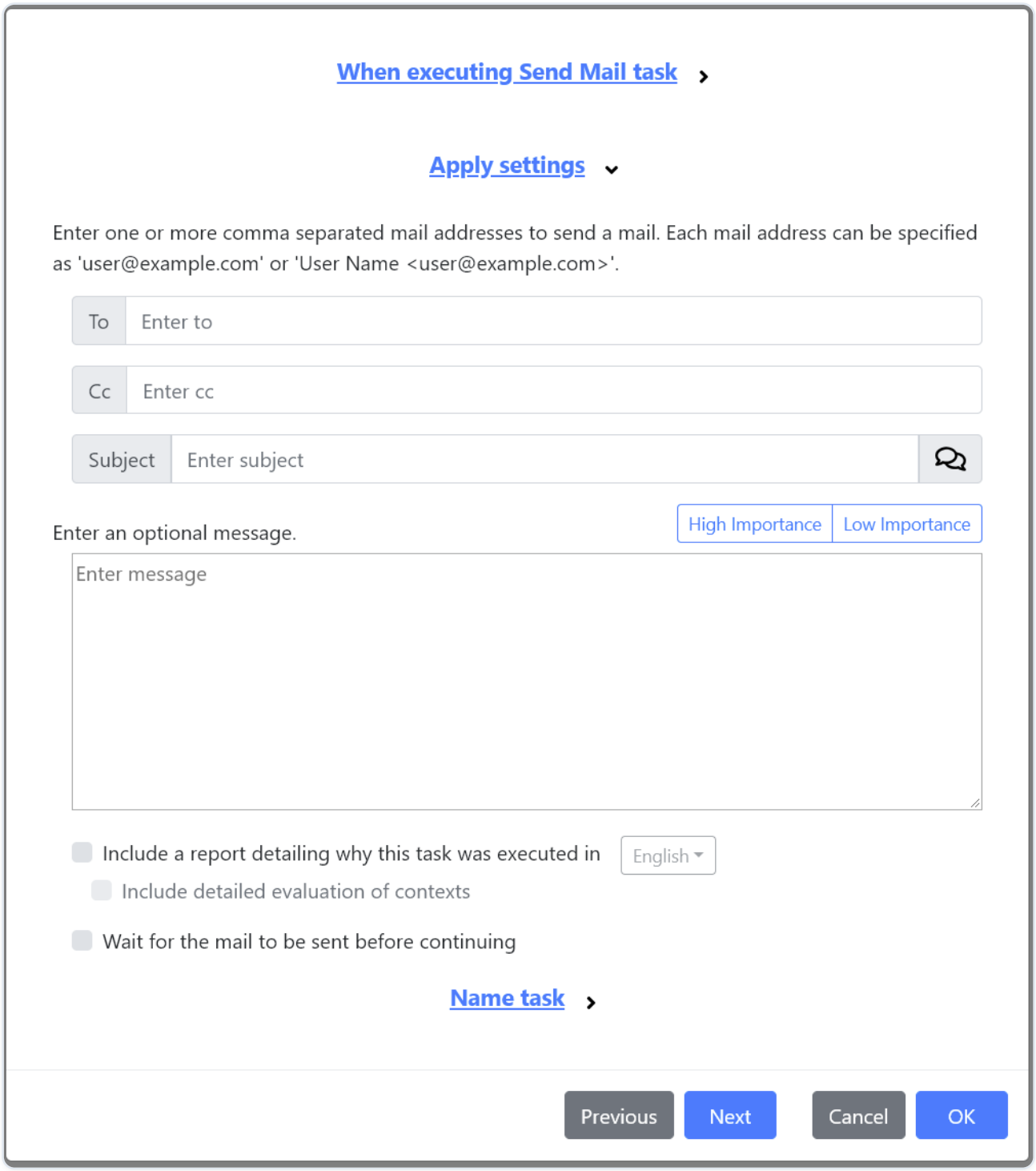
The `Screen Saver` task updates the screen saver settings within the session.



Send Mail Task

The `Send Mail` task sends an email with the defined content. Mail Server Settings must be configured.

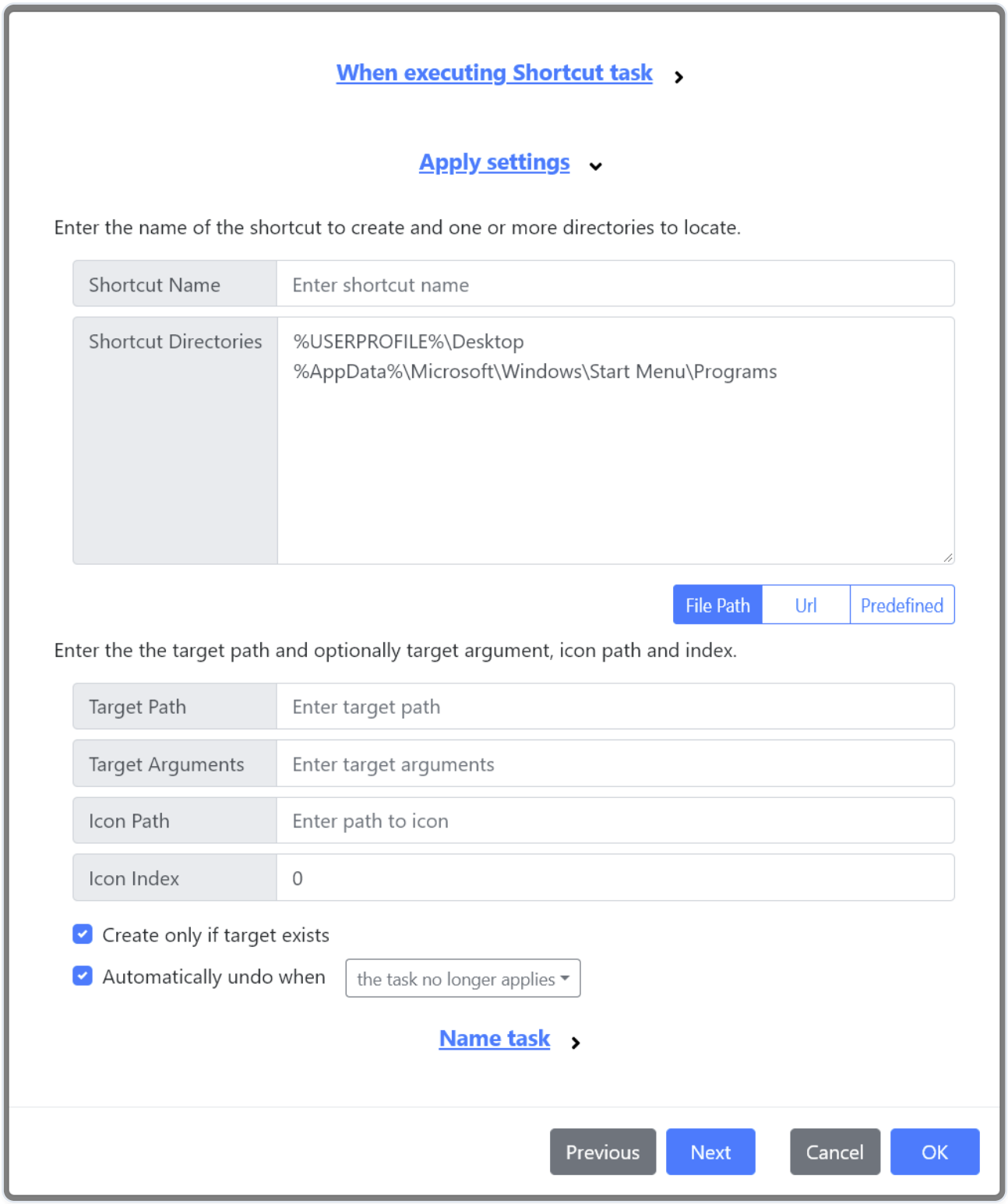
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Shortcut Task

The `Shortcut` task creates a shortcut within the user session.

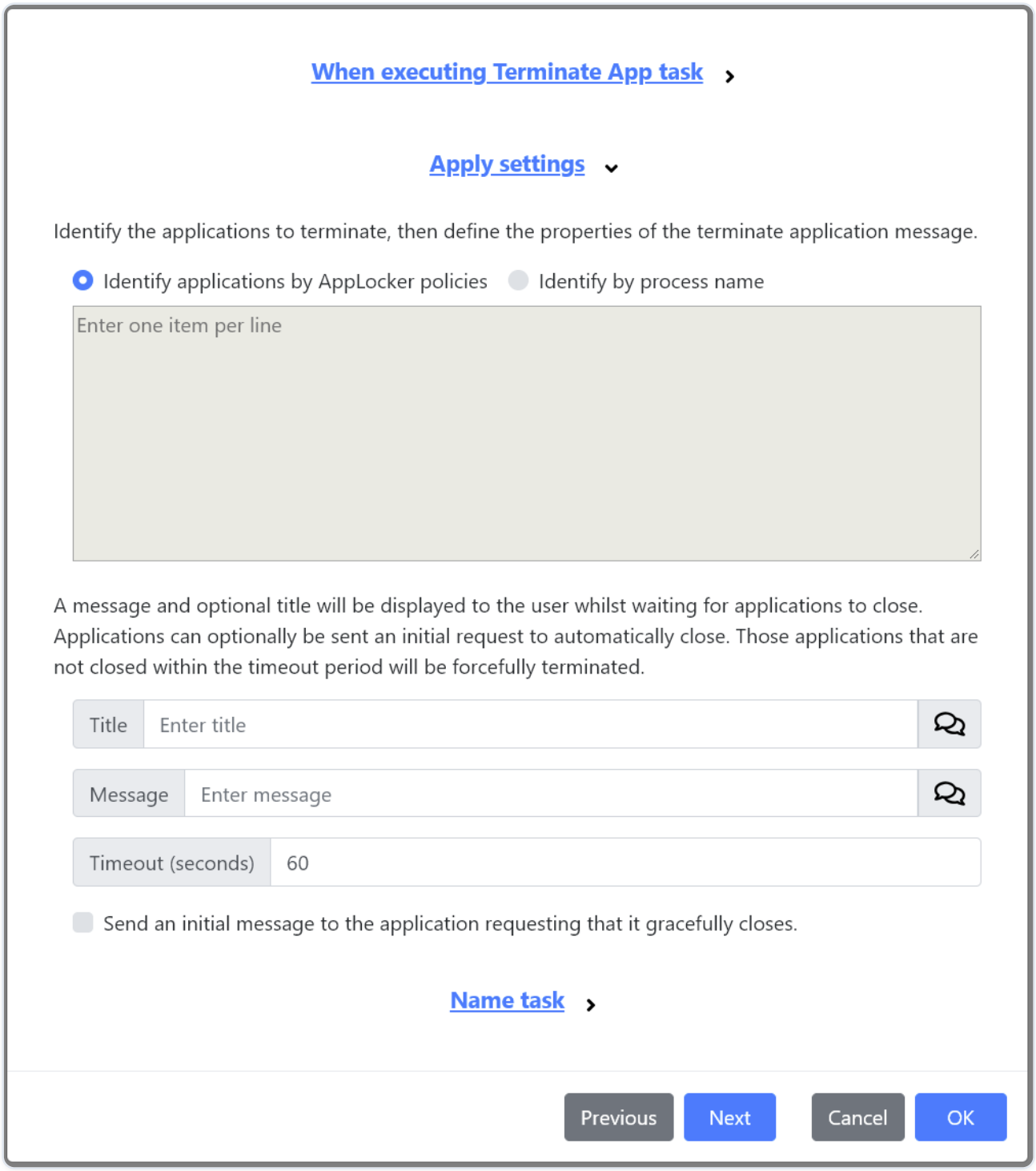
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Terminate App Task

The `Terminate App` task terminates applications that should not be running within the user session. Applications can either be identified by the current AppLocker policy, or by the name of the process.

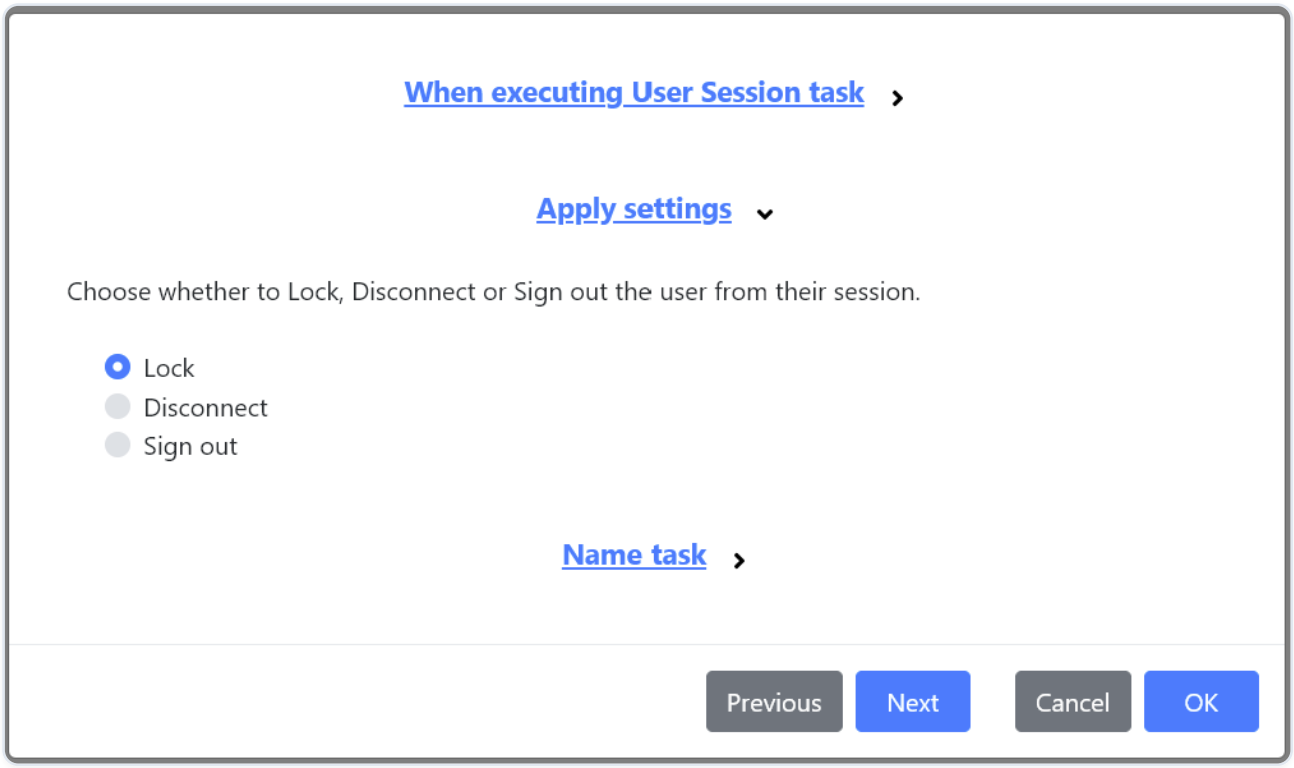
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User Session Task

The `User Session` task locks, disconnects, or signs out the user session.

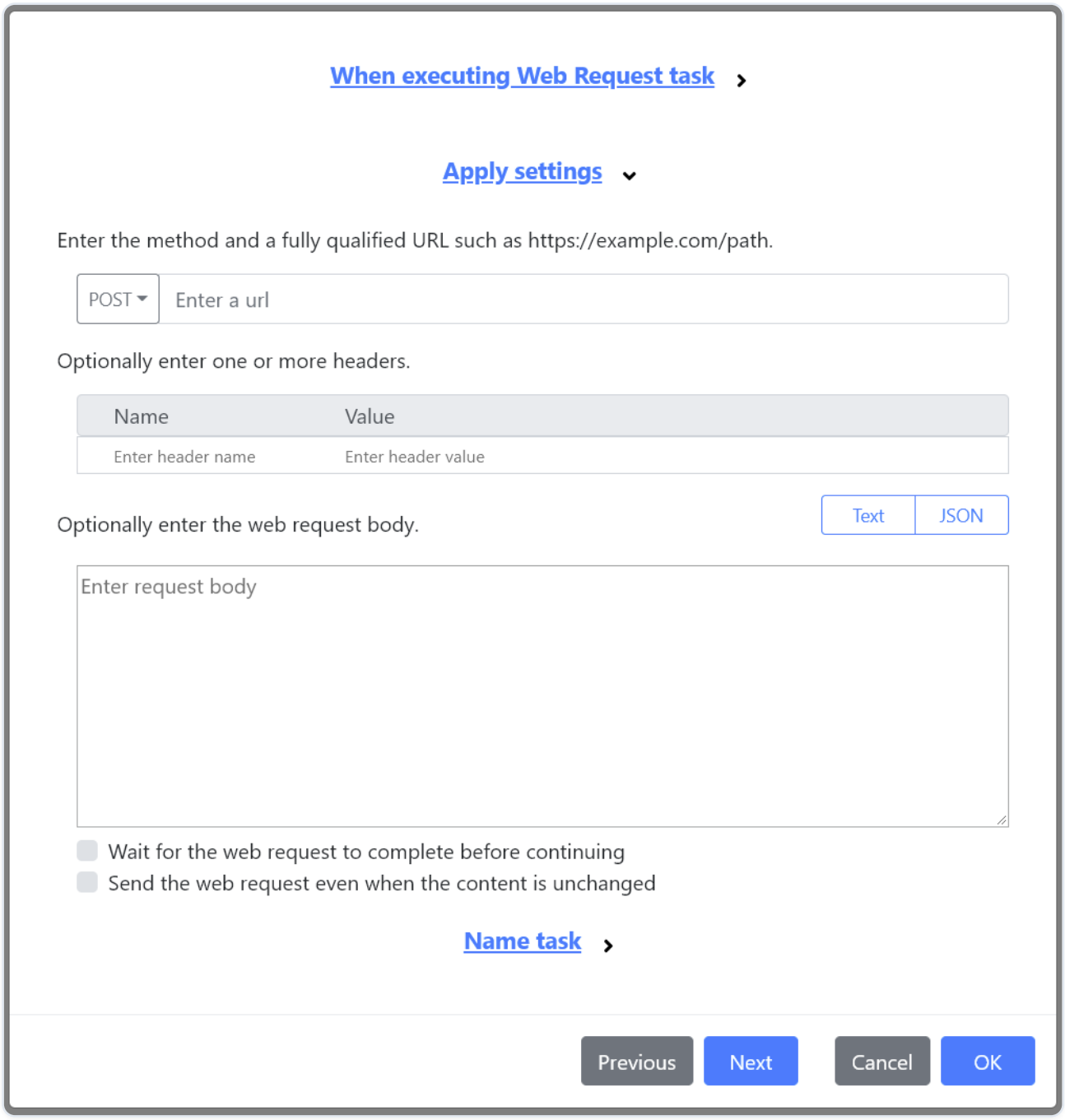
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Web Request Task

The `Web Request` task invokes a web request. This may be used to track events or properties of a user or device within a reporting and analytics engine.

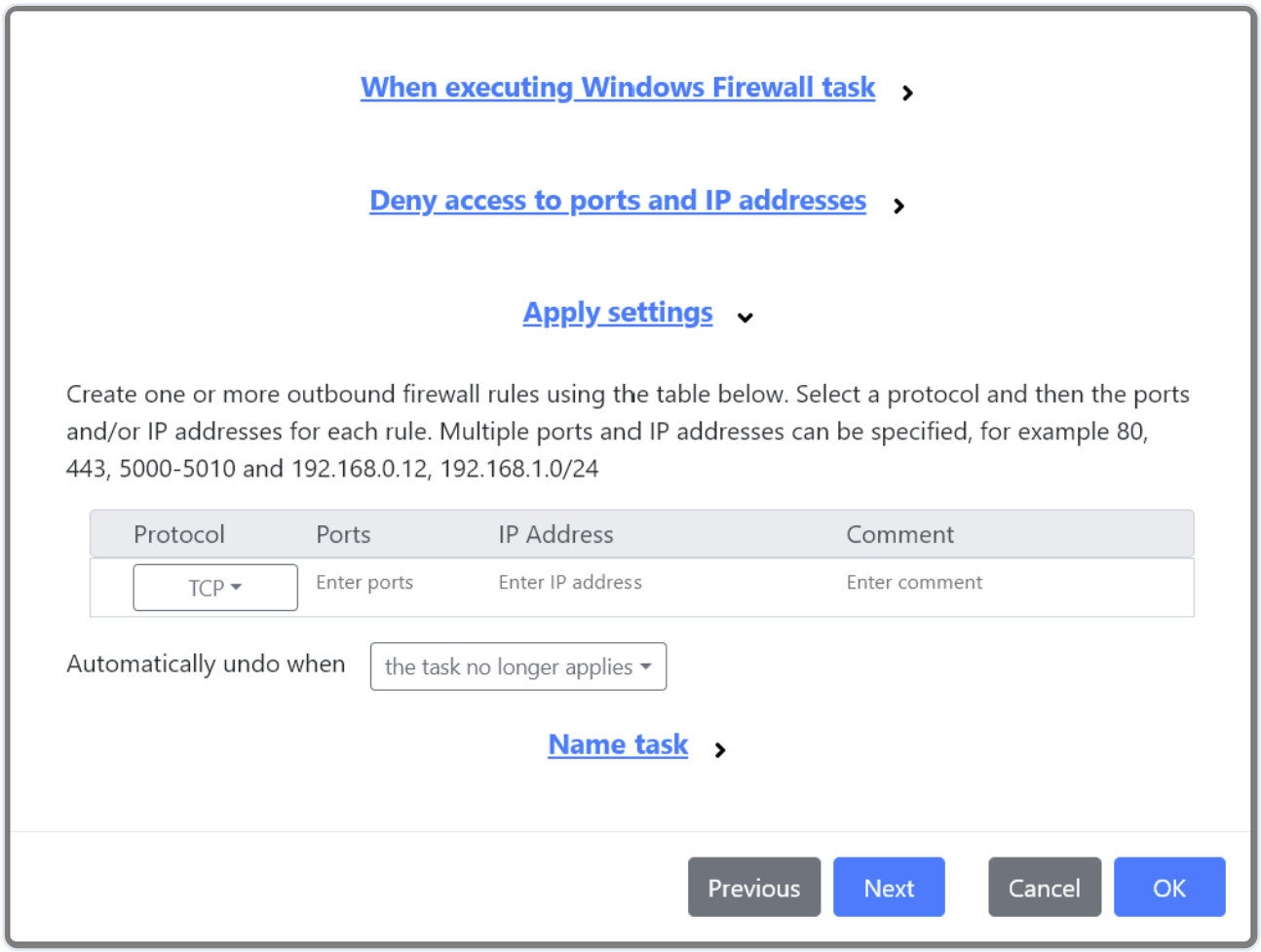
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Windows Firewall Task

The `Windows Firewall` task creates a Windows Firewall outbound rule to allow or deny access to a remote resource for the logged in user.

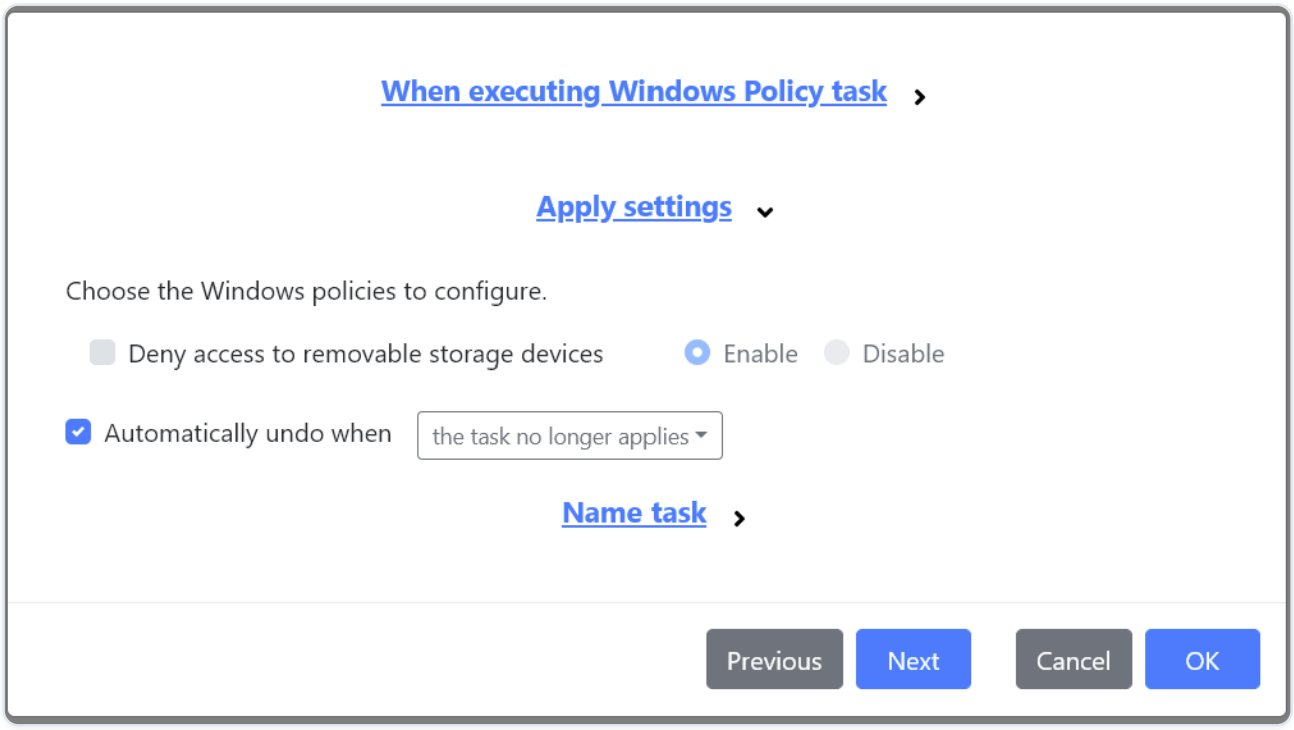
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Windows Policy Task

The `Windows Policy` task updates Windows policies allowing control of removable storage devices on the local device.

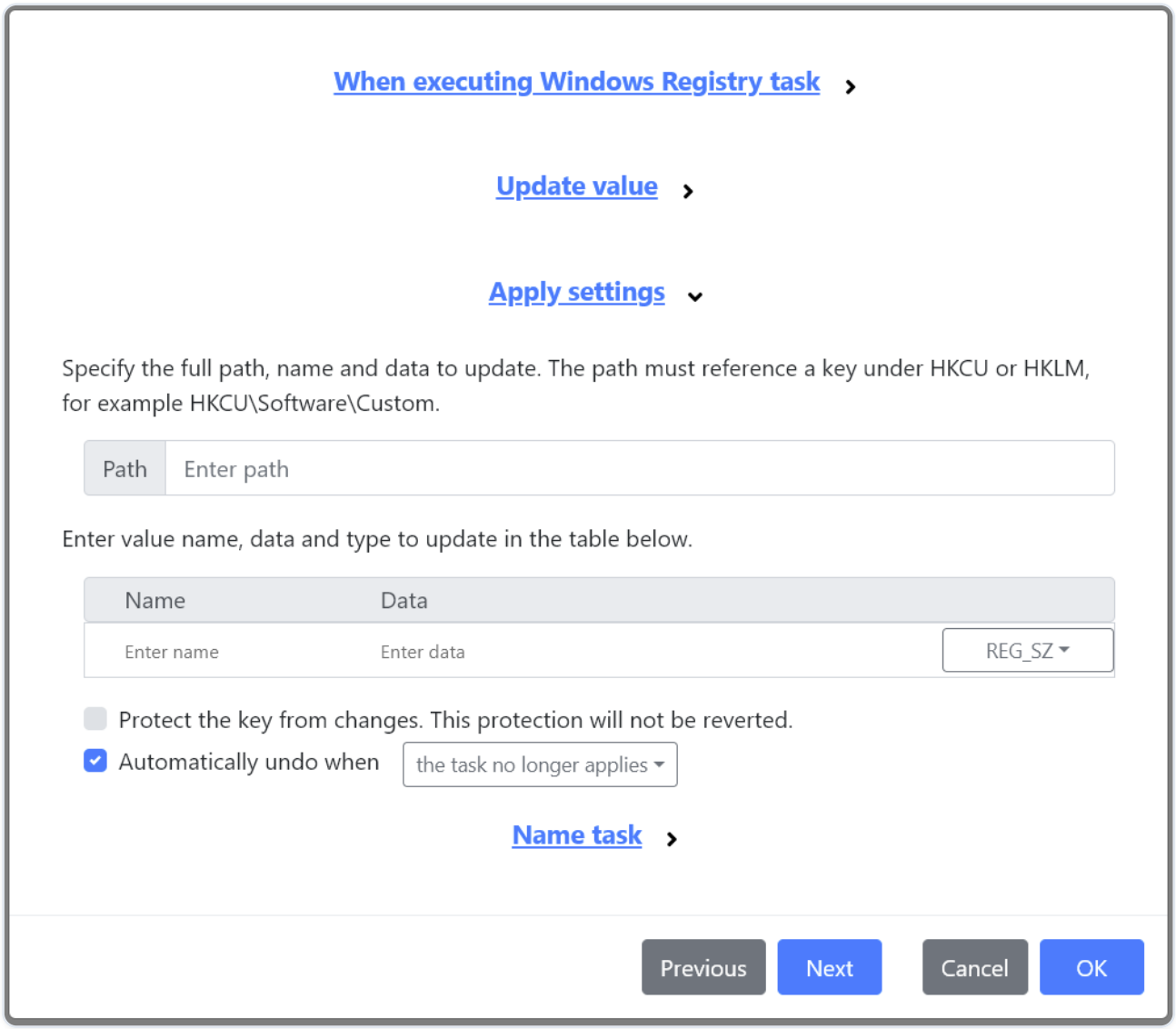
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Windows Registry Task

The `Windows Registry` task updates or deletes values from the Windows Registry.

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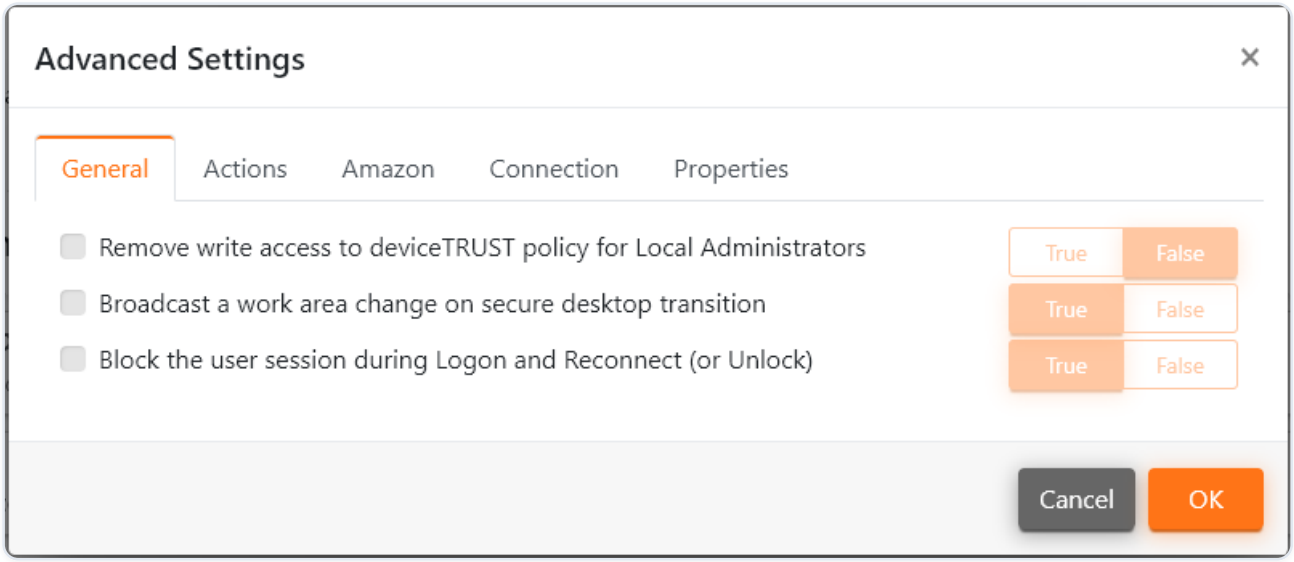


Advanced Settings

The `Advanced Settings` defines the advanced settings for configuring deviceTRUST behavior. These settings are described below.

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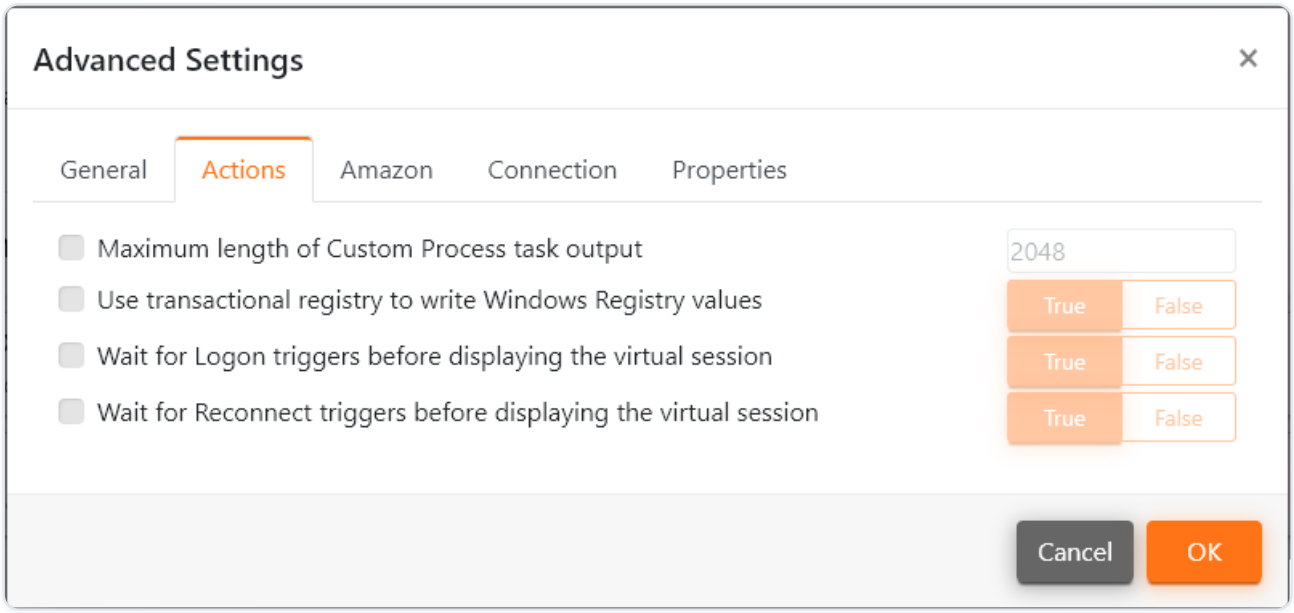
General Settings



The following controls are available:

- `Remove write access to deviceTRUST policy for Local Administrators` - Determines whether write access to the HKLM\\Software\\Policies\\deviceTRUST registry key should be removed for Local Administrators.
- `Block the user session during Logon and Reconnect (or Unlock)` - Determines whether deviceTRUST blocks Logon and Reconnect (or Unlock) sessions whilst properties are read from the remote device.
- `Broadcast a work area change on secure desktop transition` - Determines whether deviceTRUST broadcasts a message notifying top level windows of a work area change when transitioning in and out of a secure desktop.

Action Settings

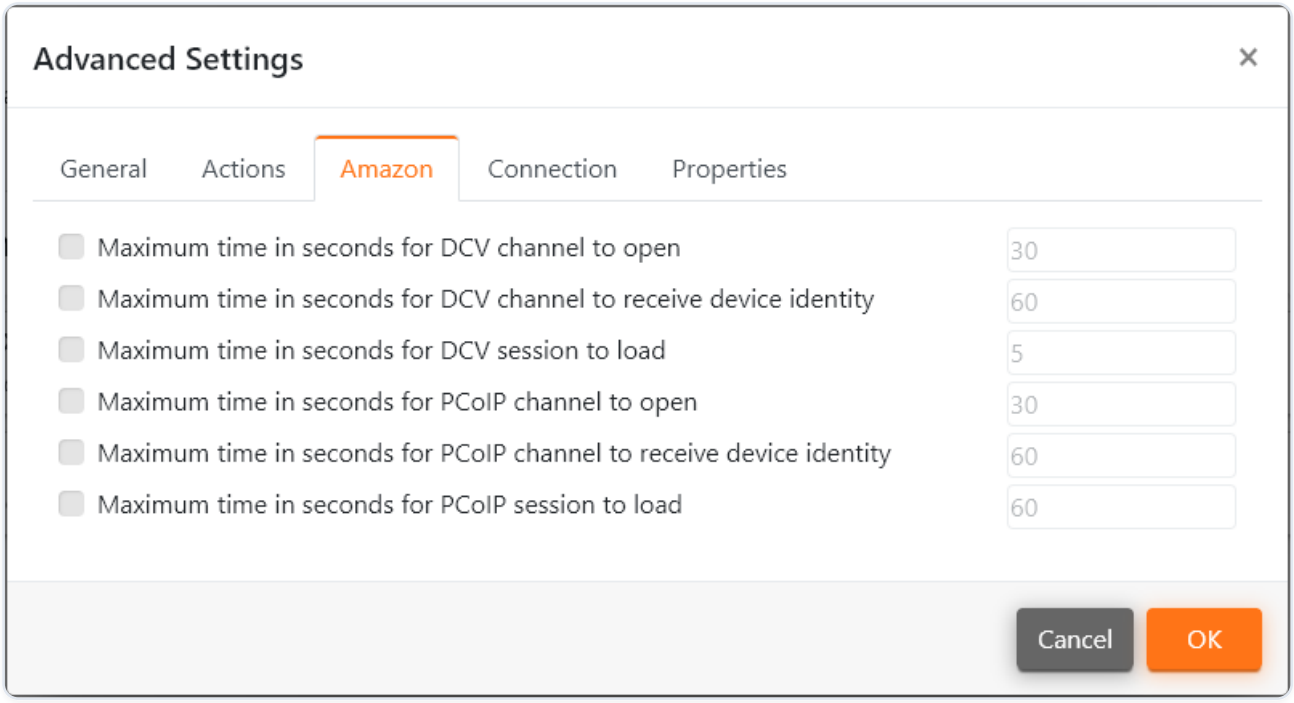


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The following controls are available:

- `Maximum length of Custom Process task output` - Determines the maximum number of characters to capture from the Custom Process task output.
- `Use transactional registry to write Windows Registry values` - Determines whether to use transactional registry operations when writing registry values within the Windows Registry, Screen Saver and Citrix Policy tasks.
- `Wait for Logon triggers before displaying the virtual session` - Determines whether the virtual session is blocked until Logon triggers have completed.
- `Wait for Reconnect triggers before displaying the virtual session` - Determines whether the virtual session is blocked until Reconnect triggers have completed.

Amazon Settings



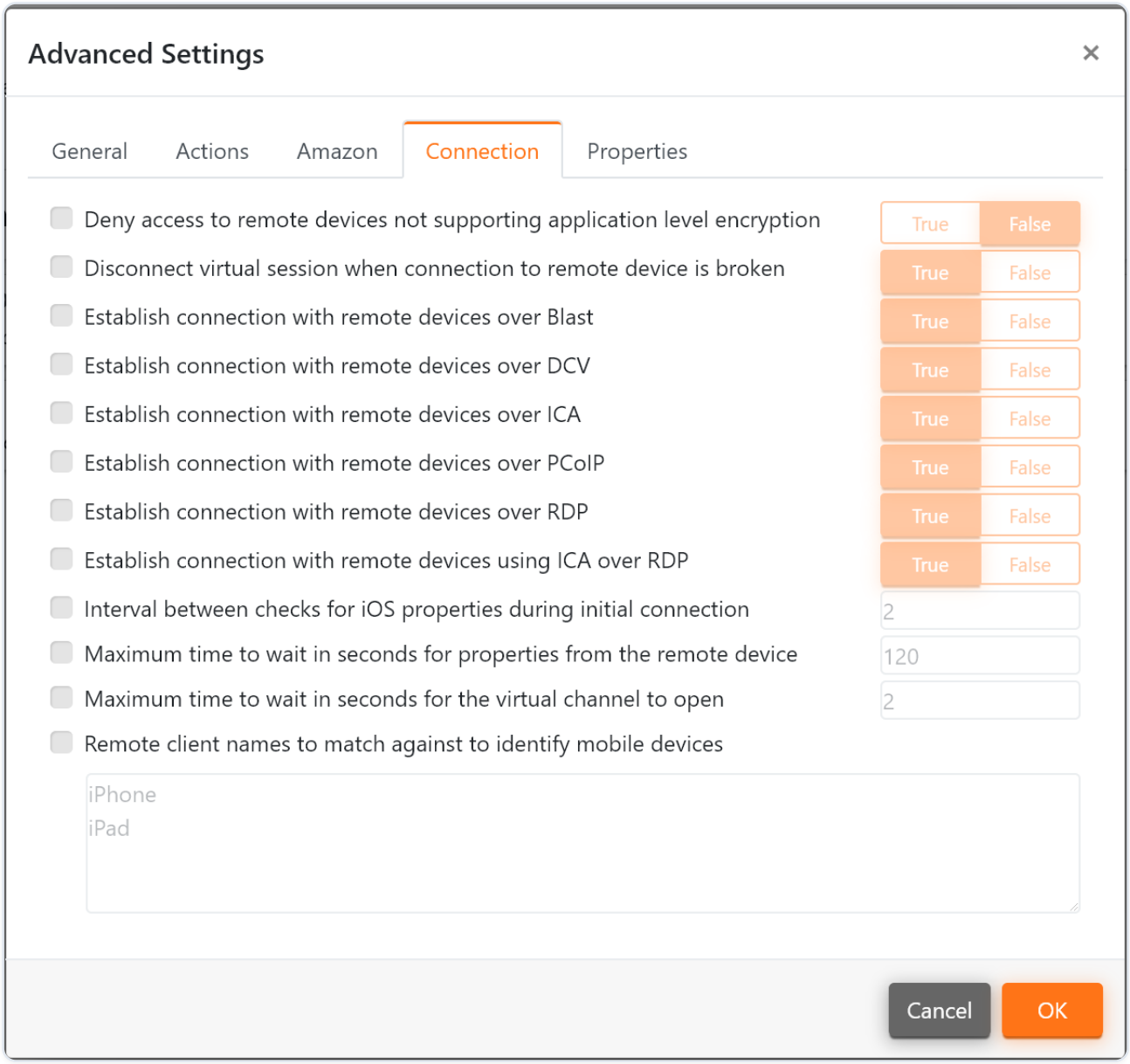
The following controls are available:

- `Maximum time in seconds for DCV channel to open` - Determines how long new connections should wait for the DCV virtual channel to open.
- `Maximum time in seconds for DCV channel to receive device identity` - Determines how long new connections should wait for the DCV virtual channel to receive the remote device identity.
- `Maximum time in seconds for DCV session to load` - Determines how long new connections should wait to recognise the user session as a DCV session.

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- `Maximum time in seconds for PCoIP channel to open` - Determines how long new connections should wait for the PCoIP virtual channel to open.
- `Maximum time in seconds for PCoIP channel to receive device identity` - Determines how long new connections should wait for the PCoIP virtual channel to receive the remote device identity.
- `Maximum time in seconds for PCoIP session to load` - Determines how long new connections should wait to recognise the user session as a PCoIP session.

Connection Settings



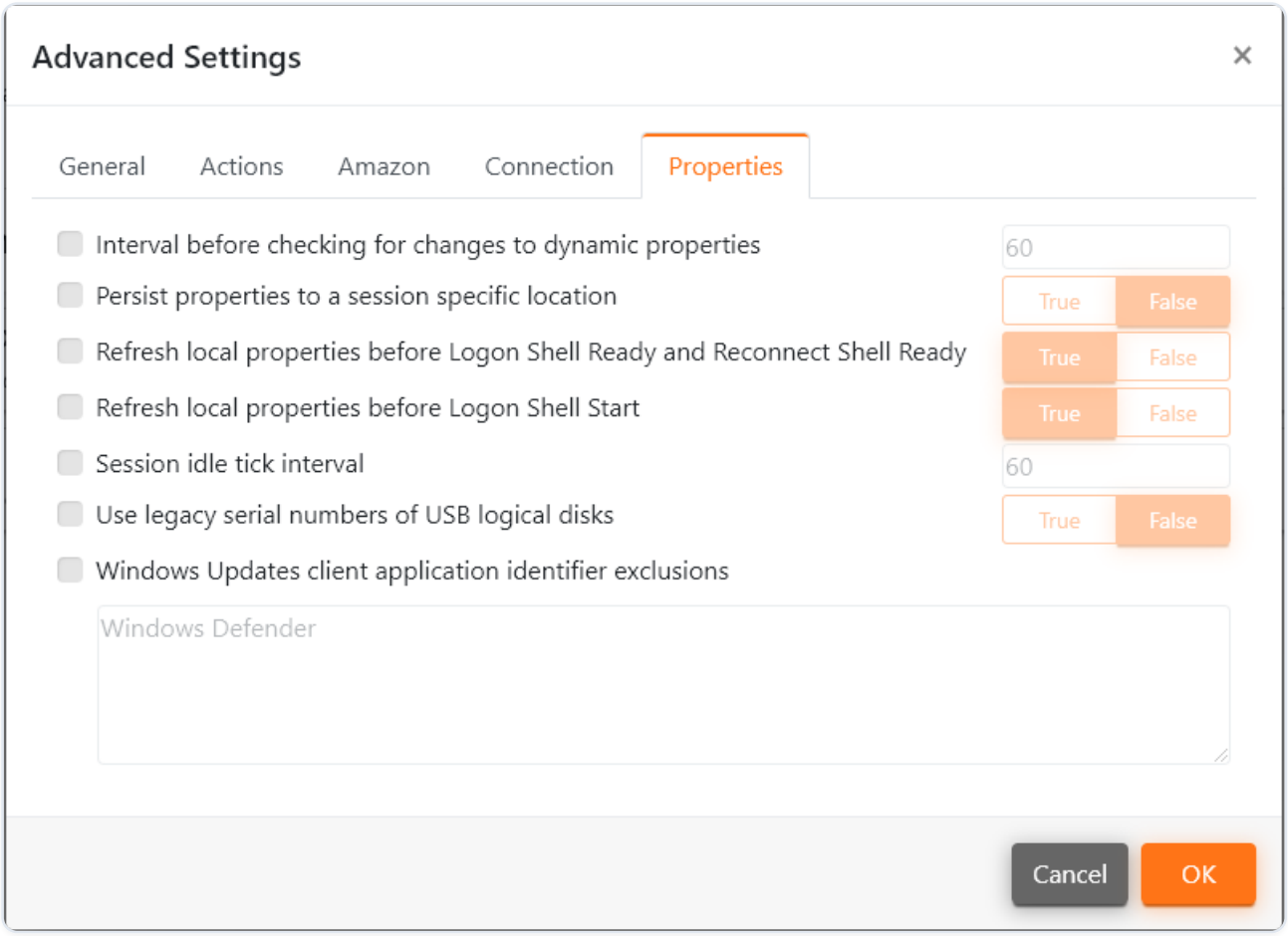
The following controls are available:

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- `Deny access to remote devices not supporting application level encryption` - Defines whether to deny access to remote devices that do not support application level encryption.
- `Disconnect virtual session when connection to remote device is broken` - Determines whether to disconnect the virtual session when the connection to the client on remote device is broken.
- `Establish connection with remote devices over Blast` - Determines whether a connection to a remote device can be established over Blast.
- `Establish connection with remote devices over DCV` - Determines whether a connection to a remote device can be established over DCV.
- `Establish connection with remote devices over ICA` - Determines whether a connection to a remote device can be established over ICA.
- `Establish connection with remote devices over PCoIP` - Determines whether a connection to a remote device can be established over PCoIP.
- `Establish connection with remote devices over RDP` - Determines whether a connection to a remote device can be established over RDP.
- `Establish connection with remote devices using ICA over RDP` - Determines whether a connection to a remote device can be established using the RDP virtual channel protocol for ICA sessions.
- `Interval between checks for iOS properties during initial connection` - Defines the interval in seconds between checks for properties from the iOS Client Extension during Logon or Reconnect.
- `Maximum time to wait in seconds for properties from the remote device` - Determines how long in seconds to wait for properties from the remote device.
- `Maximum time to wait in seconds for the virtual channel to open` - Determines how long to continue retrying to open a virtual channel.
- `Remote client names to match against to identify mobile devices` - Determines which remote client names identify a mobile device to display a passcode.

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Property Settings



The following controls are available:

- `Interval before checking for changes to dynamic properties` - Defines the interval in seconds before checking for changes to dynamic properties.
- `Persist properties to a session specific location` - Defines if the properties should be persisted to a session specific location witin `HKCU\\Software\\deviceTRUST\\Properties` and `HKCU\\Volatile Environment`.
- `Refresh local properties before Logon Shell Ready and Reconnect Shell Ready` - Determines whether local properties are refreshed before the Logon Shell Ready and Reconnect Shell Ready triggers are executed.
- `Refresh local properties before Logon Shell Start` - Determines whether local properties are refreshed before the Logon Shell Start trigger is executed.
- `Session idle tick interval` - Defines the interval in seconds that the session must remain idle for each increment of the session idle period.
- `Use legacy serial numbers of USB logical disks` - Determines whether to use the OS reported serial numbers of USB logical disks on Microsoft Windows platforms. These OS

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reported serial numbers do not always reflect the serial numbers of the underlying USB logical disk.

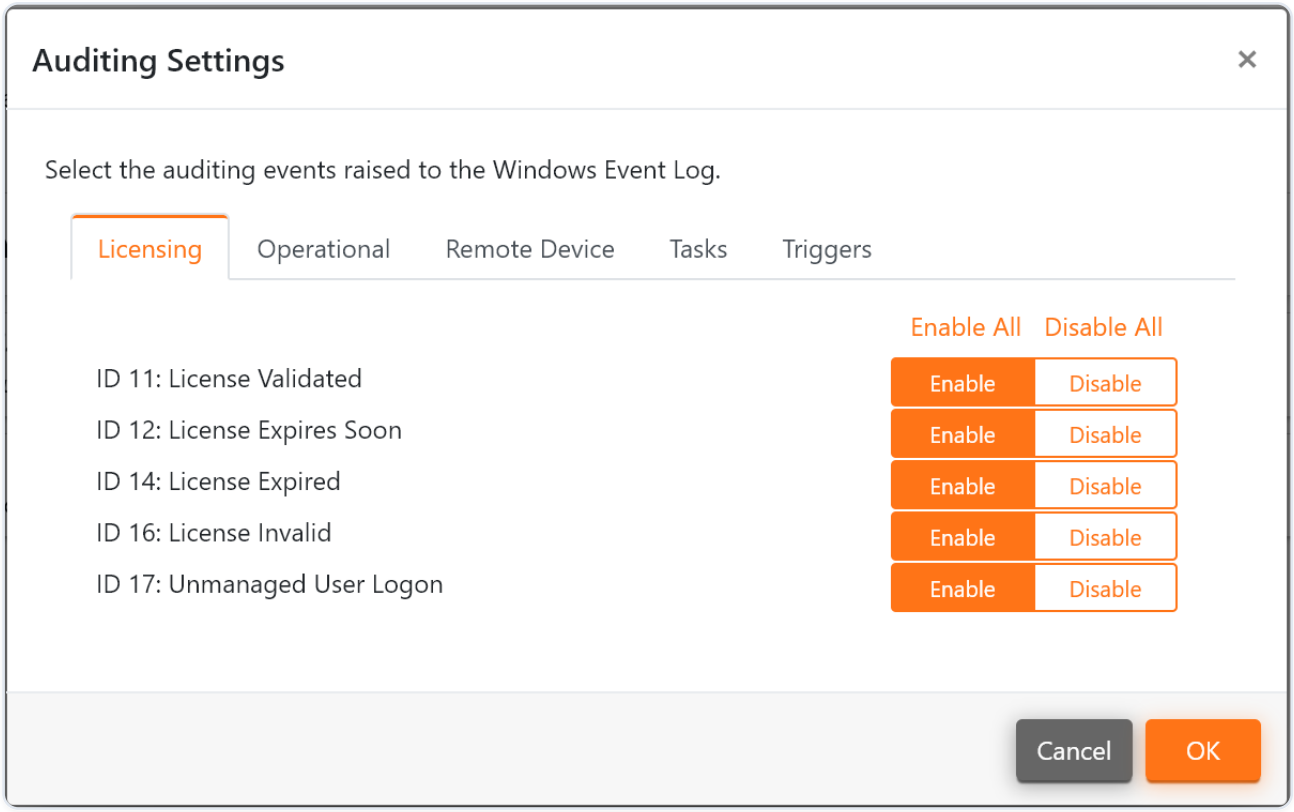
- `Windows Updates client application identifier exclusions` - List of client application identifiers of Windows Updates to ignore when calculating the last install time.

Auditing Settings

The `Auditing Settings` defines the audit events that are raised to the Windows Event Log.

Licensing

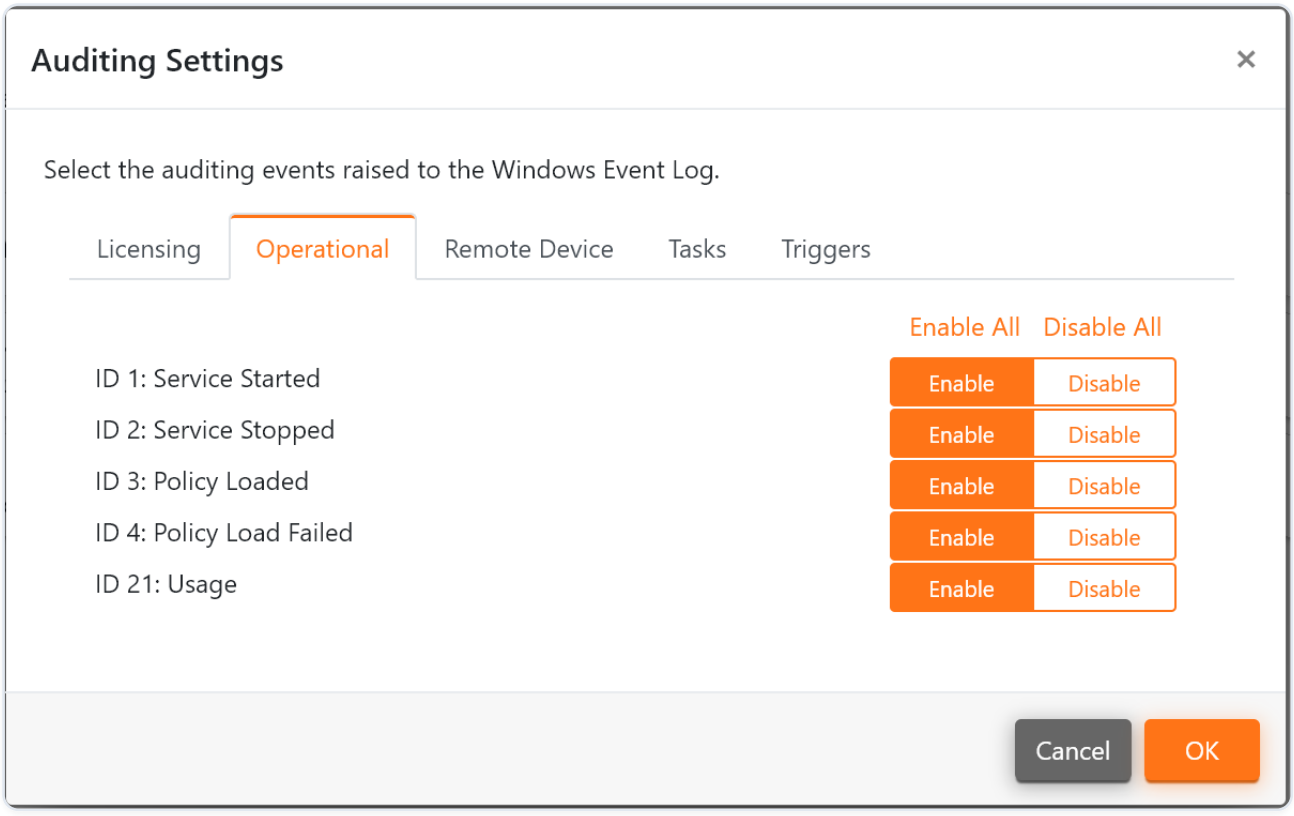
This section allows the control of events relating to the licensing of the deviceTRUST® product. All events are turned on by default but this can be customized by changing which events are enabled.



Operational

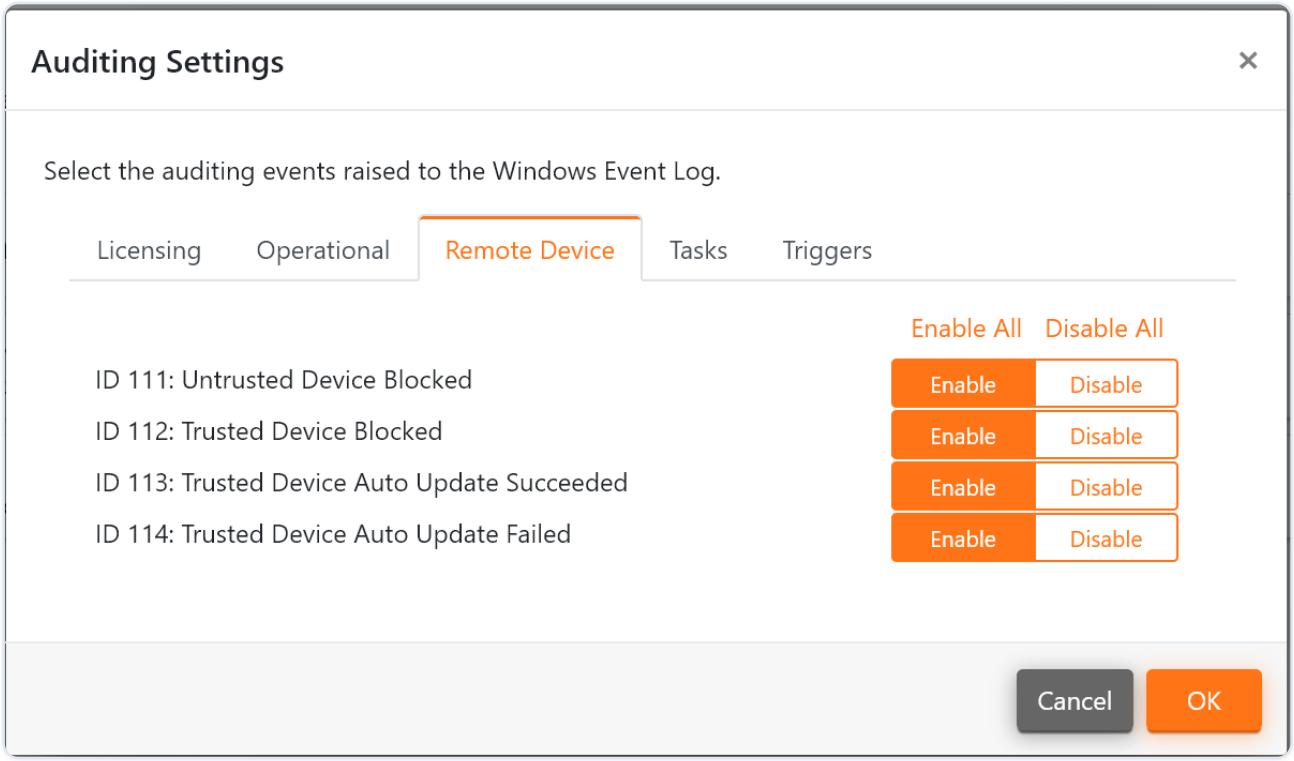
This section allows the control of events relating to the operation of the deviceTRUST product. All events are turned on by default but this can be customized by changing which events are enabled.

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Remote Device

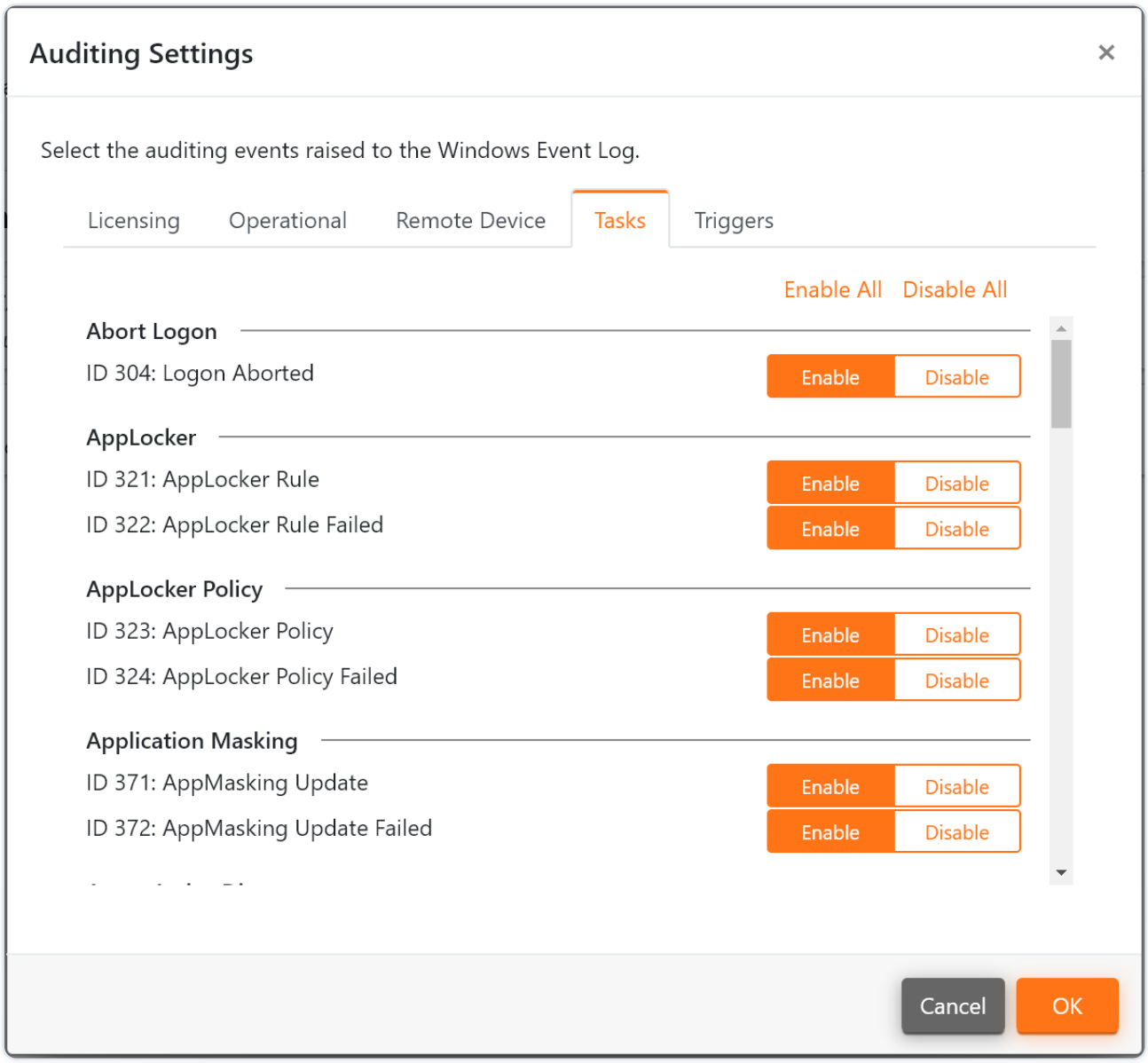
This section allows the control of events relating to the trust of a remote device attempting to establish a connection and also the status of the auto-update. All events are turned on by default but this can be customized by changing which events are enabled.



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Tasks

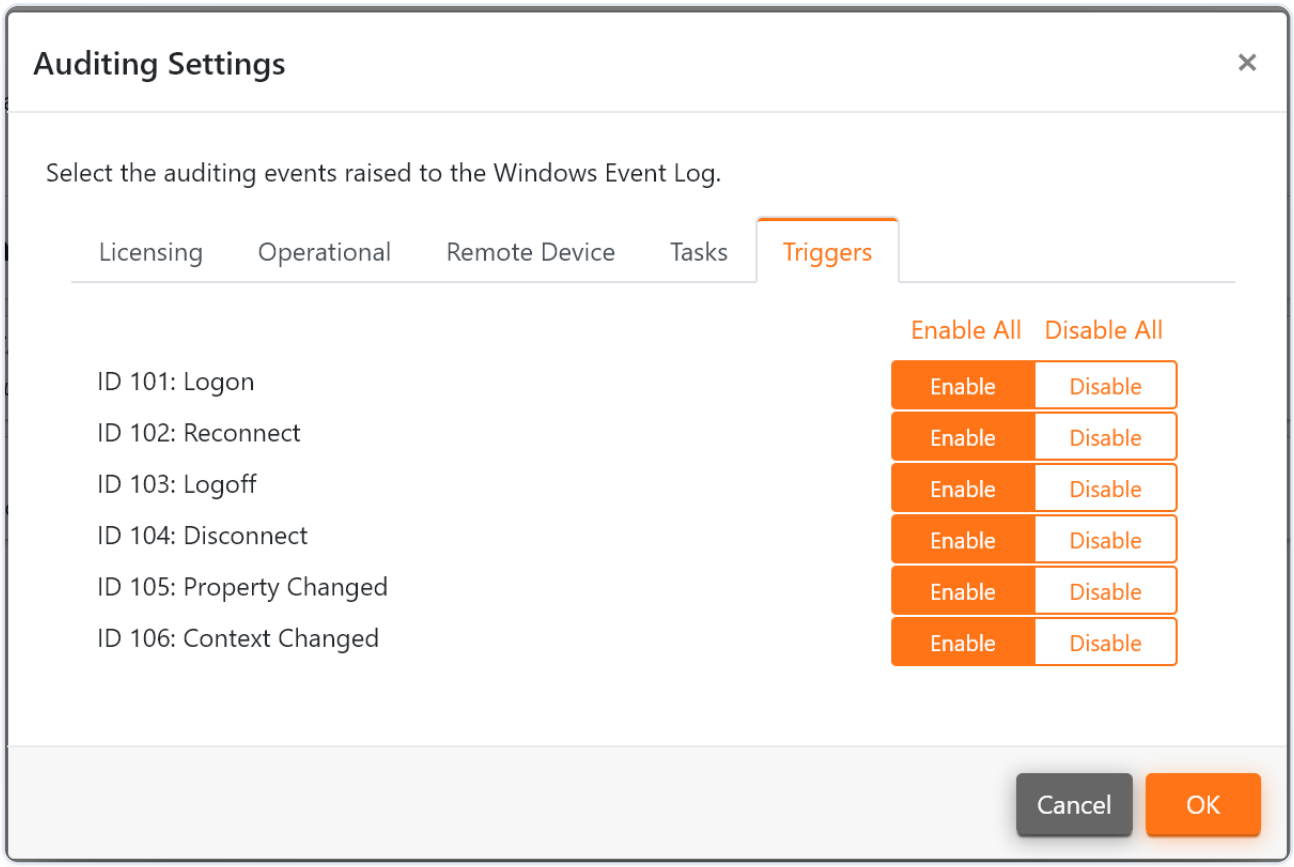
This section allows the control of events relating to the execution of tasks by the deviceTRUST product. This section groups the events per-task as described by each header. All events are turned on by default but this can be customized by changing which events are enabled.



Triggers

This section allows the control of events relating to the triggers of the deviceTRUST product. All events are turned on by default but this can be customized by changing which events are enabled.

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Custom Properties Settings

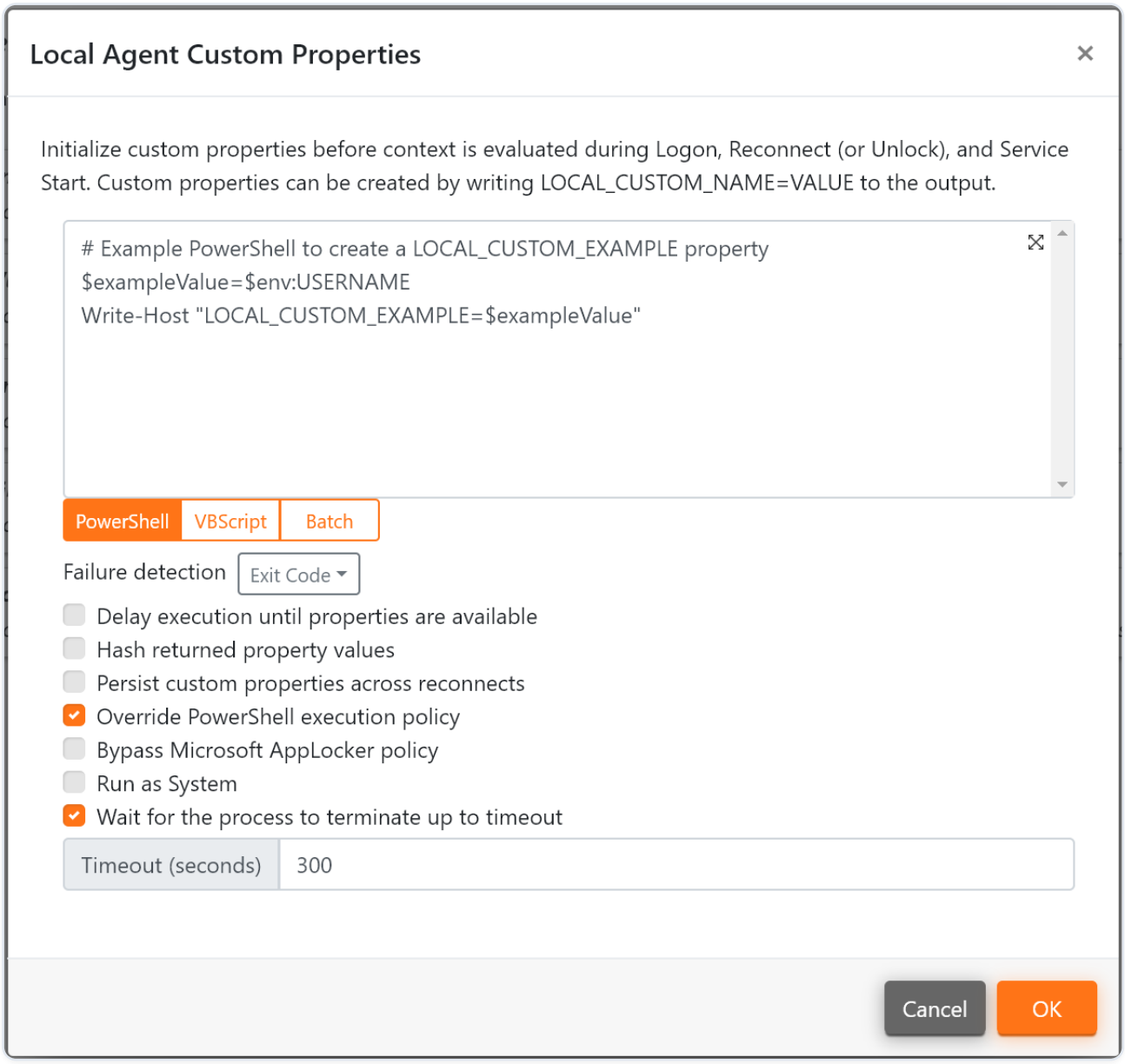
The `Custom Properties Settings` defines scripts that can be launched during a session to determine additional properties of the local agent or remote device before the context is first evaluated.

- Local Agent Custom Properties
- Remote Windows Device Custom Properties
- Remote Linux Device Custom Properties
- Creating Custom Properties
- Signing Custom Properties Scripts

Local Agent Custom Properties

When defined for the local agent, signed and trusted scripts are launched on Logon, Reconnect (or Unlock), and Service Start.

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The following controls are available for the Local Agent:

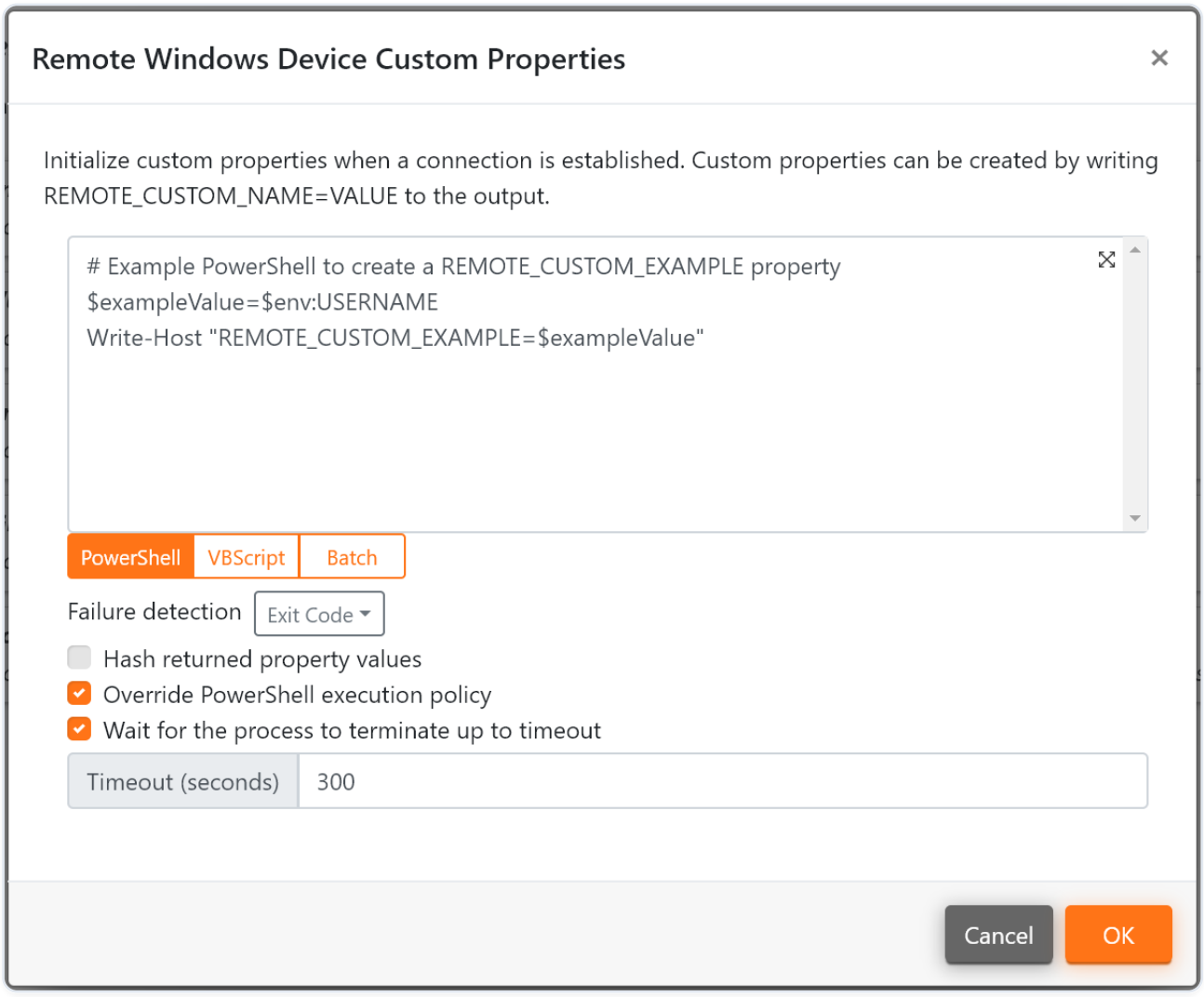
- `Delay execution until properties are available` - When checked, will execute the script after the all properties have been determined. The properties are available either from the Windows Registry, or as environment variables within the script.
- `Hash returned property values` - When checked, any returned custom properties are converted to a SHA256 hash.
- `Persist custom properties across reconnects` - When checked, the script is only evaluated on Logon and Service Start. Any custom properties that are created remain unchanged if a user Reconnects to a virtual session. When unchecked, any custom properties are discarded when the session is disconnected and the script is relaunched on a Reconnect.
- `Bypass Microsoft AppLocker policy` - When checked, any PowerShell based Microsoft AppLocker rules are bypassed by the executed script.

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- `Run as System` - When checked, the script is launched as the `System` user. When unchecked, the script is launched as the user logging into the session.
- `Wait for the process to terminate up to timeout` - Defines a timeout period after which the Logon or Reconnect process will no longer be held up if the script has not completed.

Remote Windows Device Custom Properties

When defined for the Remote Windows Device, signed and trusted scripts are launched on connecting Windows devices at the start of the virtual session.



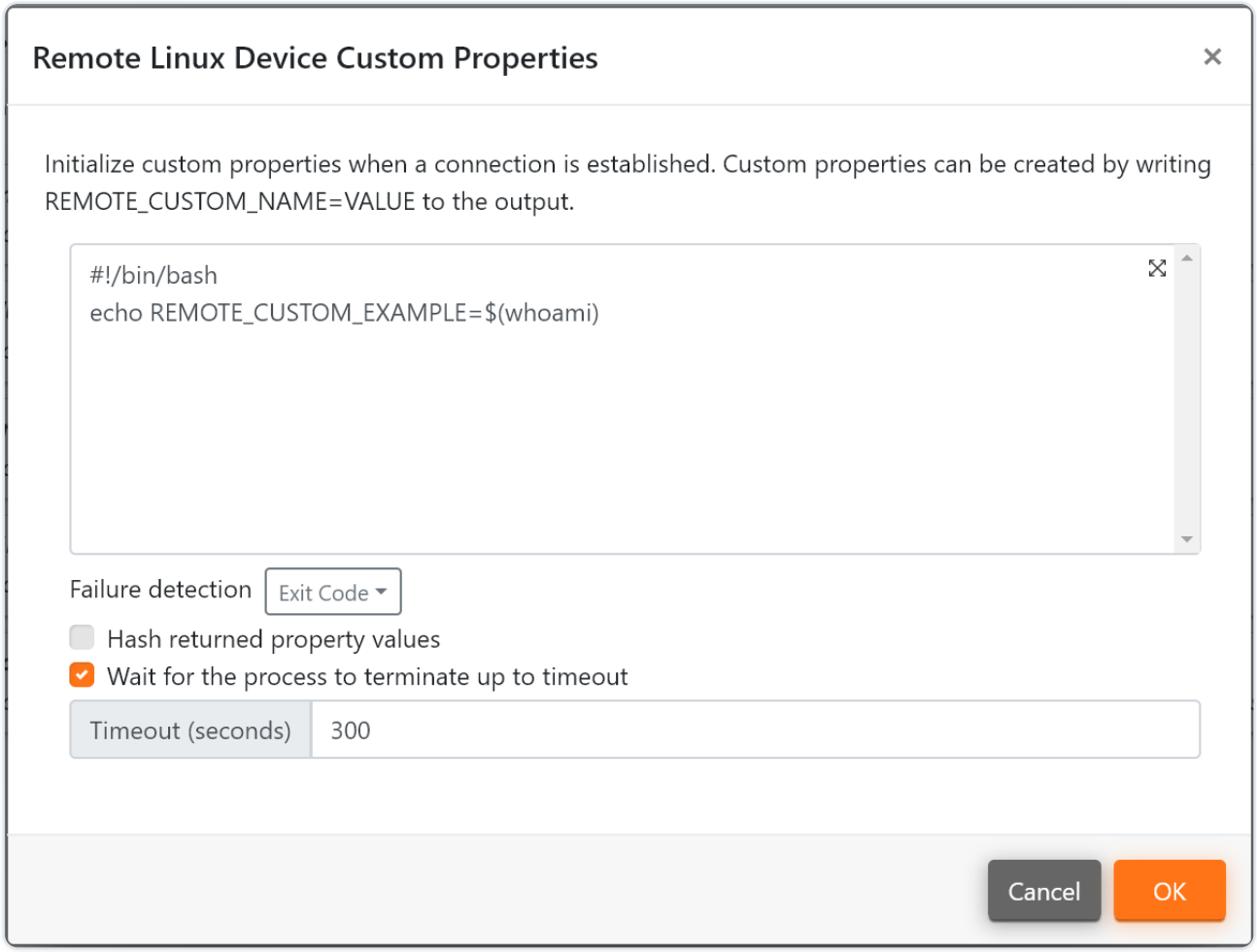
The following controls are available for the Remote Windows Device:

- `Hash returned property values` - When checked, any returned custom properties are converted to a SHA256 hash.
- Wait for the process to terminate up to timeout` - Defines a timeout period after which the process will no longer be held up if the script has not completed.

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Remote Linux Device Custom Properties

When defined for the Remote Linux device, signed and trusted scripts are launched on connecting Linux based devices at the start of the virtual session.



The following controls are available:

- `Hash returned property values` - When checked, any returned custom properties are converted to a SHA256 hash.
- `Wait for the process to terminate up to timeout` - Defines a timeout period after which the process will no longer be held up if the script has not completed.

Creating Custom Properties

Custom Properties scripts can create a custom property by writing either `LOCAL_CUSTOM_<NAME>=<VALUE>`, or `REMOTE_CUSTOM_<NAME>=<VALUE>` to the output. On Windows, this can be achieved by calling `Write-Host` in PowerShell. On Linux based clients, this can be achieved in bash using `echo`.

The following example demonstrates writing a custom property for the Local Windows Device:

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```
$exampleValue=$env:USERNAME Write-Host "LOCAL_CUSTOM_EXAMPLE=$exampleValue"
```

The following example demonstrates writing a custom property for a Remote Windows Device:

```
$exampleValue=$env:USERNAME Write-Host "REMOTE_CUSTOM_EXAMPLE=$exampleValue"
```

The following example demonstrates writing a custom property for a Remote Linux Device:

```
#!/bin/bash echo REMOTE_CUSTOM_EXAMPLE=$(whoami)
```

Custom Properties scripts can stay resident in memory for the lifetime of the session, perhaps by entering a loop or by registering for events. Custom properties can be created in the usual way, or deleted by outputing `DELETE LOCAL_CUSTOM_<NAME>` or `DELETE REMOTE_CUSTOM_<NAME>`. After all properties are emitted to the output, a single line stating `CONTINUE` should be written to the output.

The `Wait for the process to terminate up to timeout` option should be unchecked for resident scripts. Any custom properties scripts that are still executing will be terminated when it is no longer needed.

Signing Custom Properties Scripts

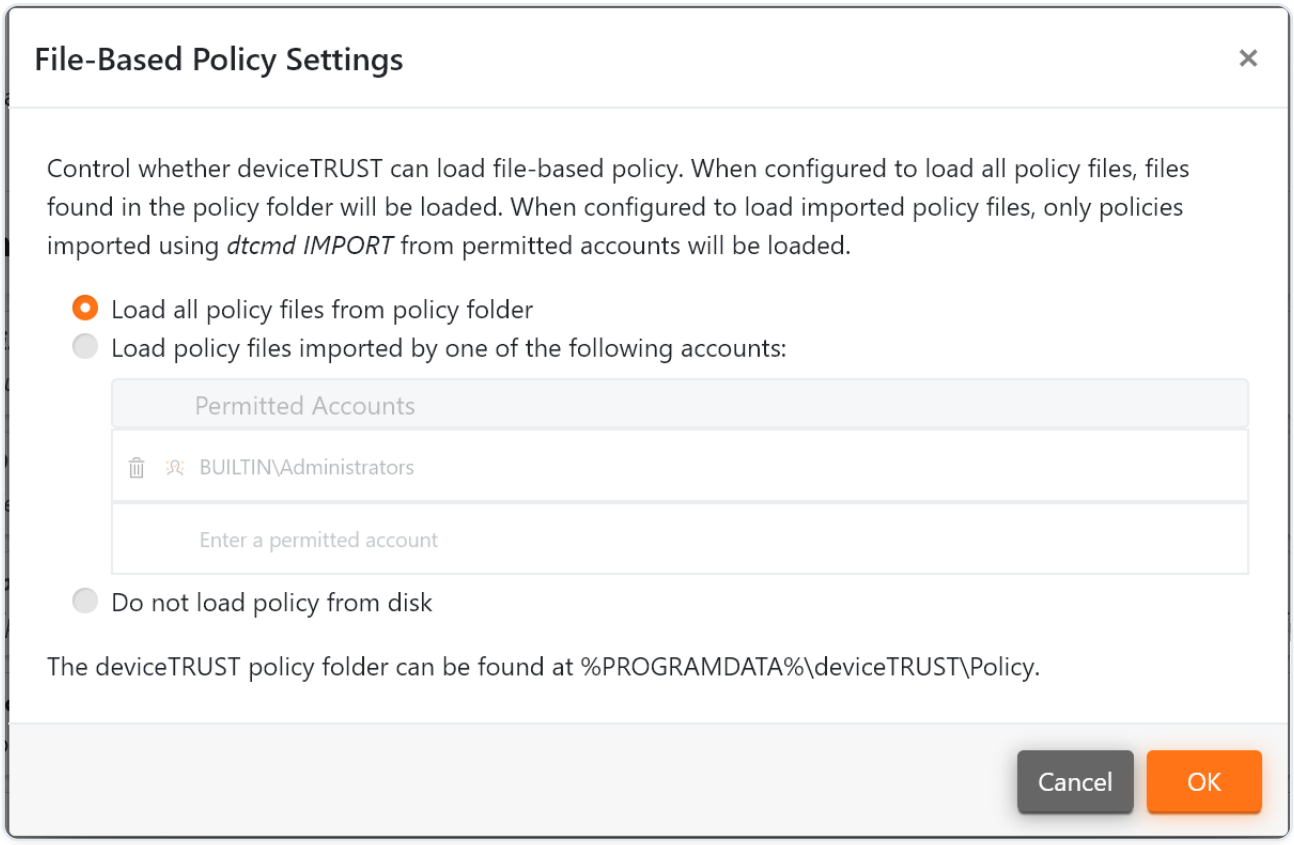
Custom Properties scripts must be signed and trusted by the local or remote device that they execute on. Information about custom script signing can be found in the Custom Script Signing knowledge base article.

File-Based Policy Settings

The `File-Based Policy Settings` defines the behavior of File-Based Policy.

The default behavior is for the deviceTRUST® agent to load File-Based Policy located within the deviceTRUST policy folder. This behavior can be customized to only load File-Based Policy imported into the policy folder by an authorized user, or to never load file-based policy.

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The following controls are available:

- `Load all policy files from policy folder` - When selected, any file located within the policy folder will be loaded.
- `Load policy files imported by one of the following accounts` - When selected, only users within the `Permitted Accounts` can import File-Based Policy into the policy folder using the dtcmd tool. See Importing below.
- `Do not load policy from disk` - When selected, policy files will not be imported from the policy folder. This option is only used when defined within a GPO.

Importing

When `Load policy files imported by one of the following accounts` has been enabled, only users within the `Permitted Accounts` can import File-Based Policy into the policy folder using the dtcmd tool.

Permitted users can import file-based policy using the following command:

```
dtcmd IMPORT /add:<filepath>
```

Permitted users can remove file-based policy using the following command:

```
dtcmd IMPORT /remove:<filepath>
```

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Permitted users can remove all file-based policy using the following command:

```
dtcmd IMPORT /clear
```

For more information on deviceTRUST policy see Policy Loading

Settings

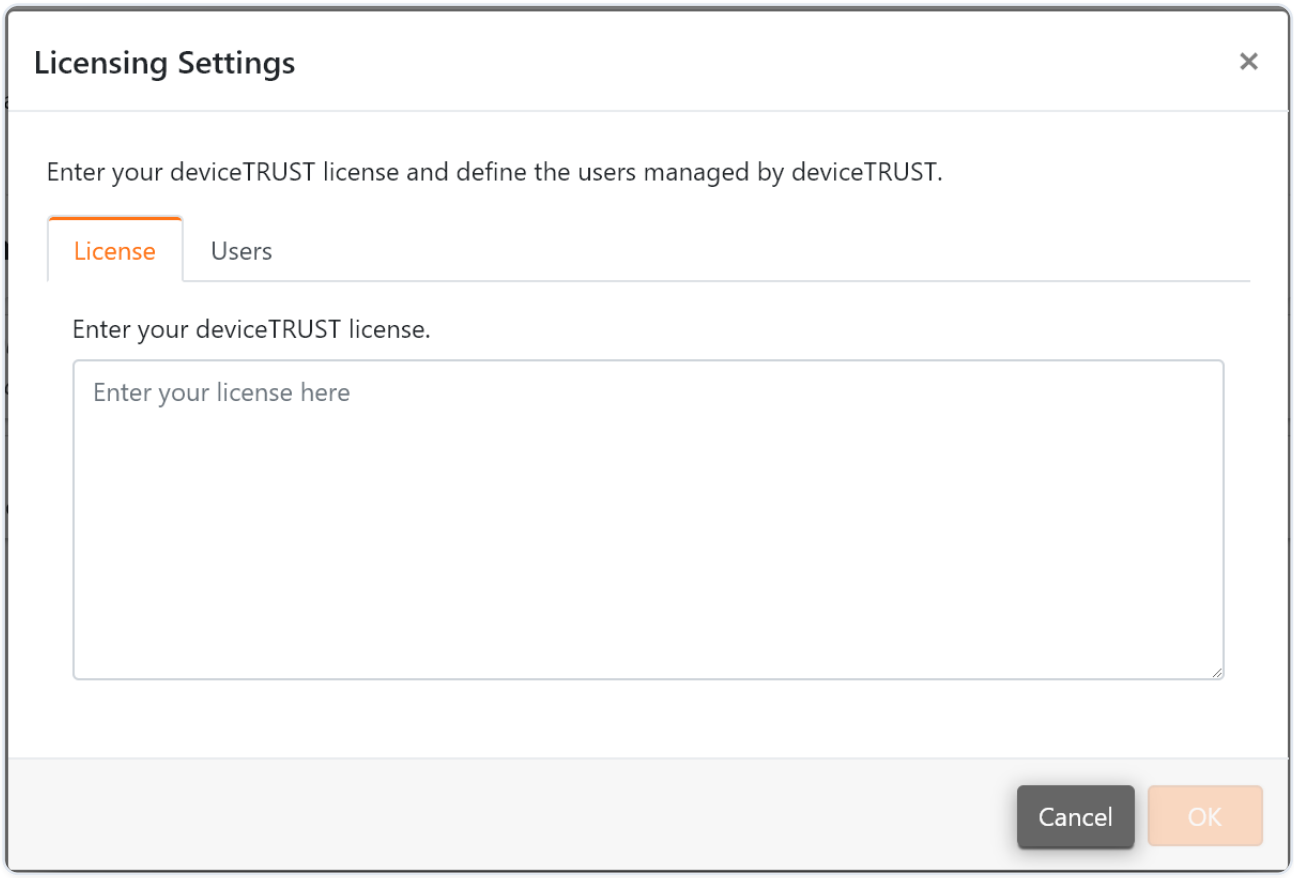
TABLE OF CONTENTS

- Advanced - Defines the advanced settings for configuring deviceTRUST behavior.
- Auditing - Defines the audit events that are raised to the Windows Event Log.
- Custom Properties - Defines a script launched on Logon, Reconnect (or Unlock), and Service Start to initialise custom properties before context evaluation.
- File-Based Policy - Defines the behavior of file-based policy.
- Licensing - Defines your deviceTRUST license and the users managed by deviceTRUST.
- Mail Server - Defines the mail server used by the Send Mail task.
- Map Drive - Defines the retry and timeout settings for the Map Drive task.
- Microsoft AppLocker - Defines the Microsoft AppLocker policy to control the applications, installers and scripts that can be launched.
- Mobile - Defines the mobile settings for managing iOS devices.
- Printer - Defines the printer management options and the retry and timeout settings for the Map Printer task.
- Property - Defines the collection, persistence, and settings of the properties.
- Security - Defines which external processes have permission to get or set properties, modify the registry, and invoke triggers.
- System Messages - Defines the messages shown when connecting to a user session or when access is denied.

Licensing Settings

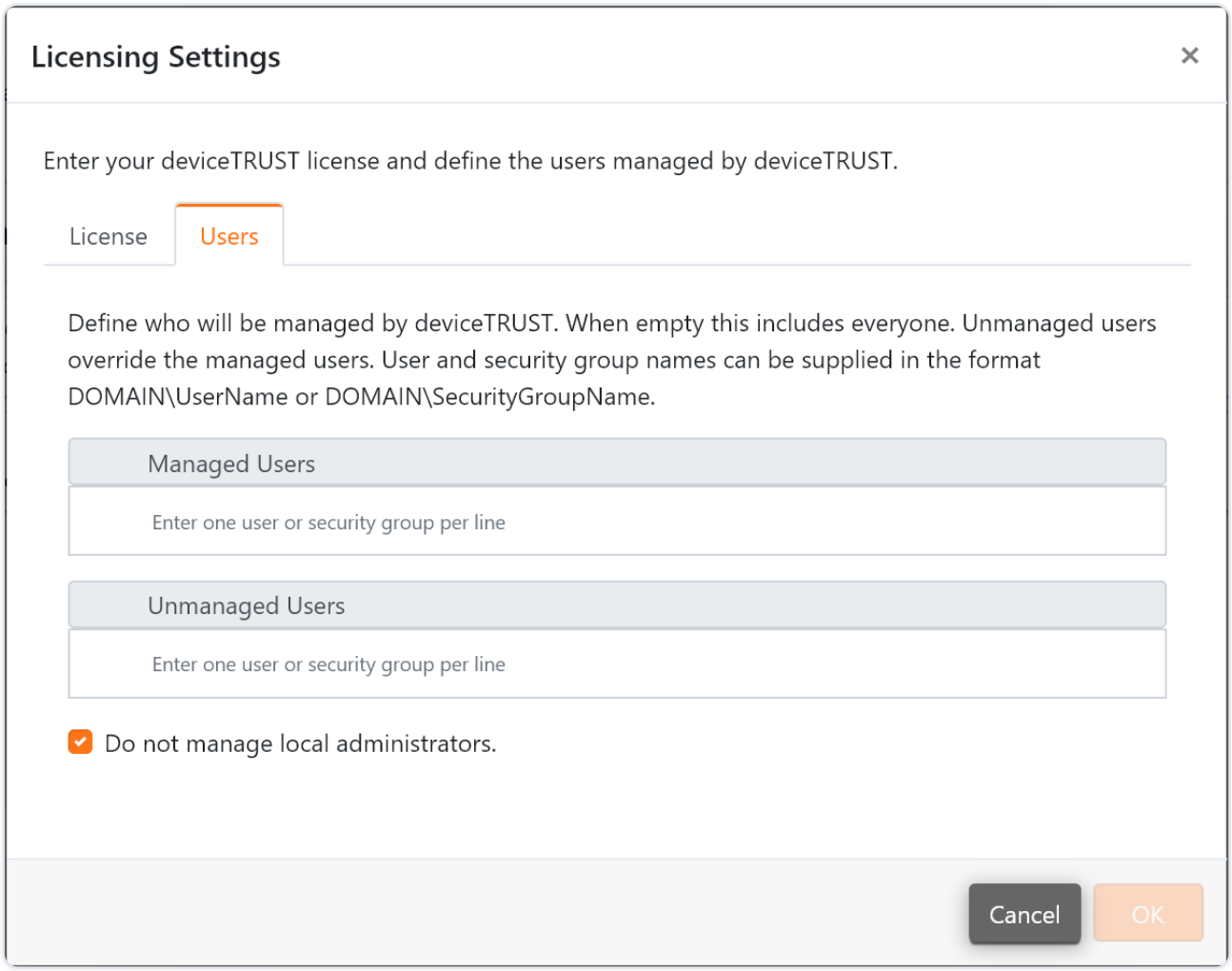
The `Licensing Settings` defines your deviceTRUST license and the users managed by deviceTRUST. The deviceTRUST product can be licensed by entering a license key within the `Enter your deviceTRUST license` text area.

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By default deviceTRUST will manage all users except users within the Local Administators group. This can be configured by entering the security groups containing the users that deviceTRUST should manage. Local Administrators can be managed by deviceTRUST by unchecking the `Do not manage local administrators` checkbox.

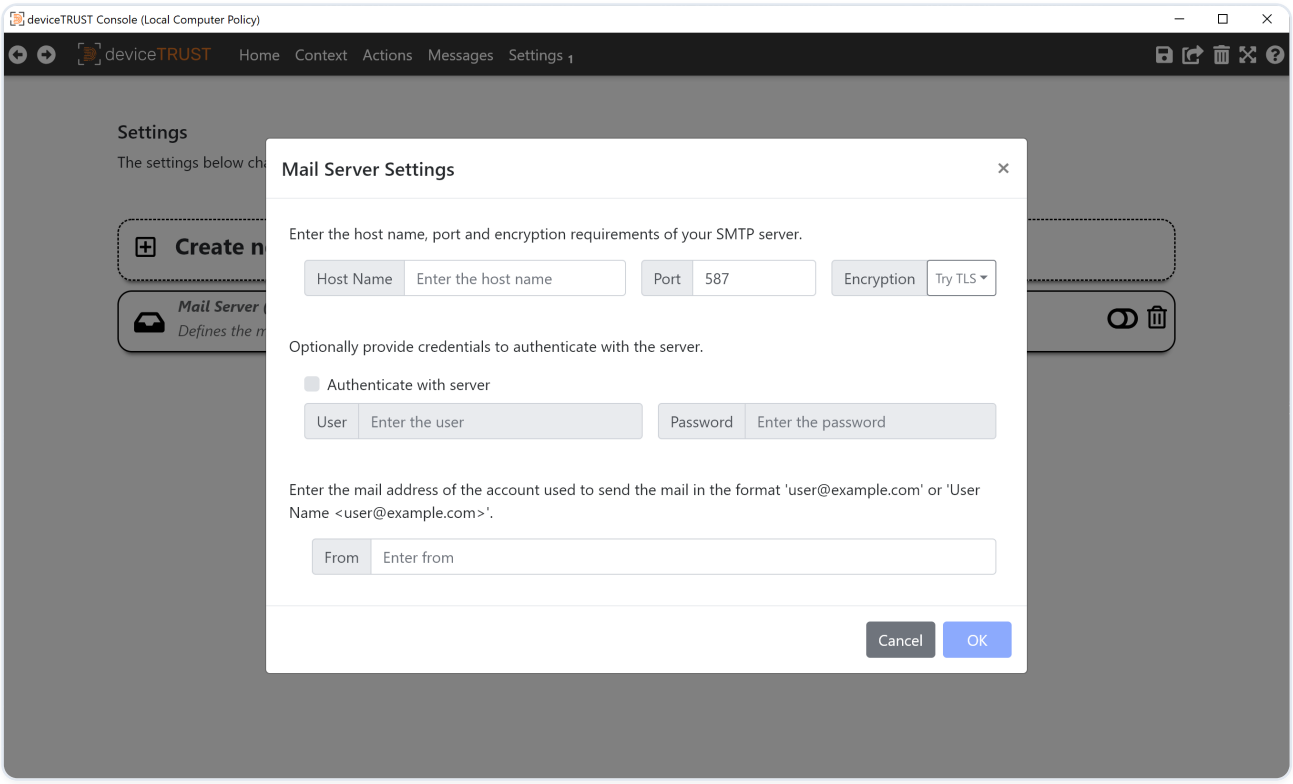
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Mail Server Settings

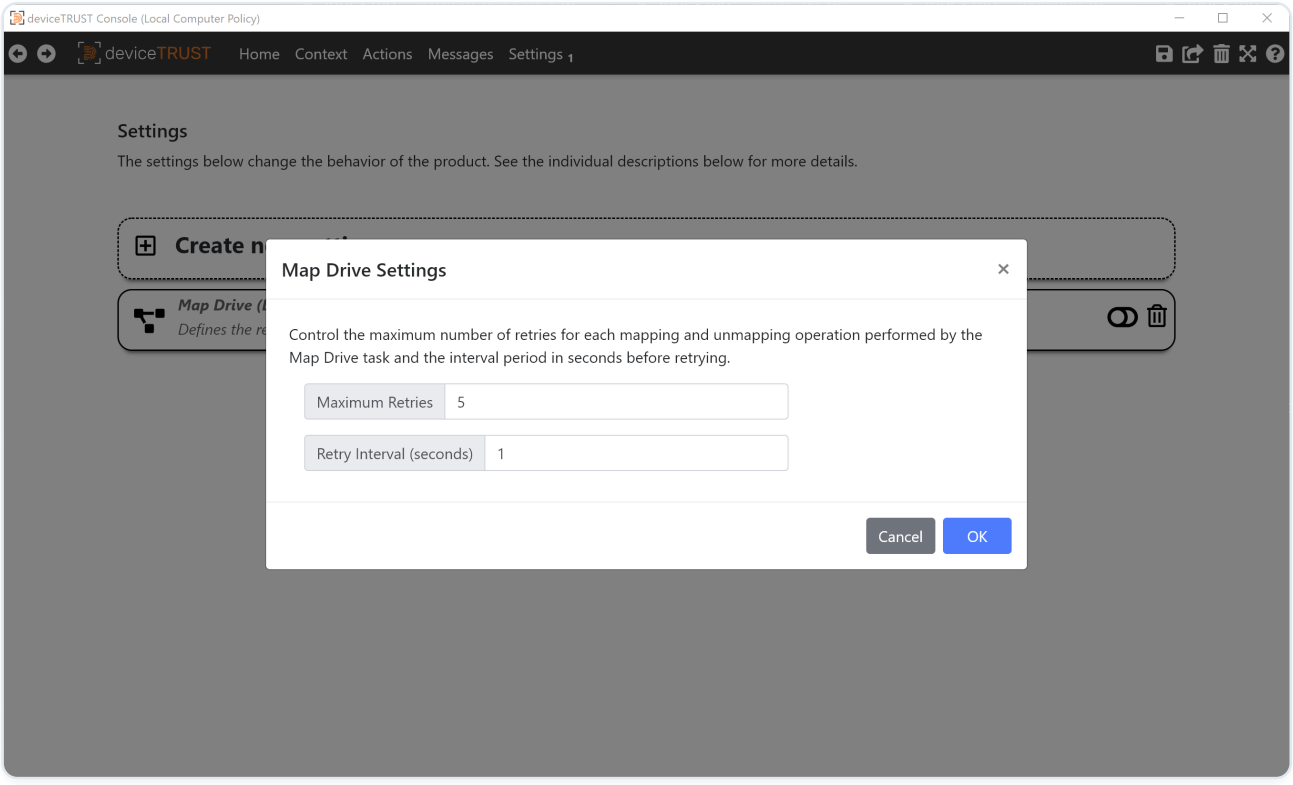
The `Mail Server Settings` defines the mail server used by the Send Mail task.

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Map Drive Settings

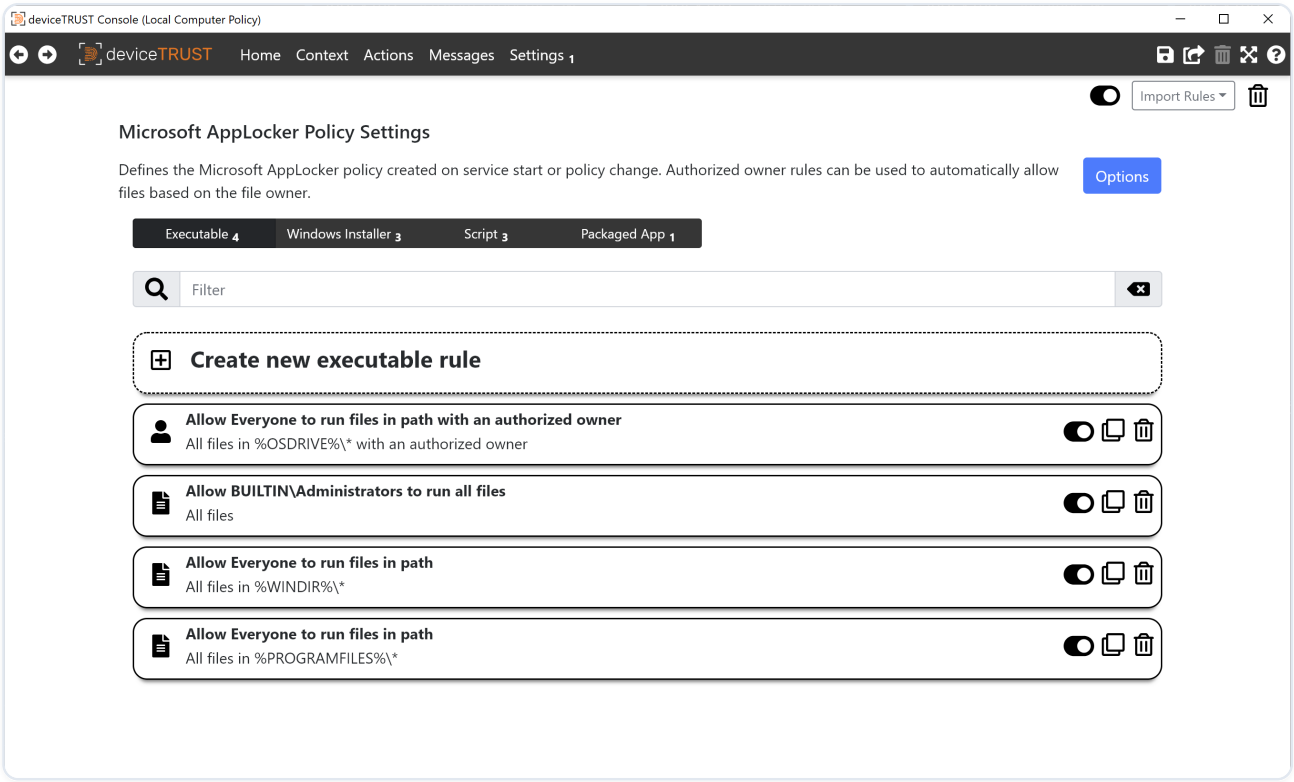
The `Map Drive Settings` define the retry and timeout settings for the Map Drive task.



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Microsoft AppLocker Settings

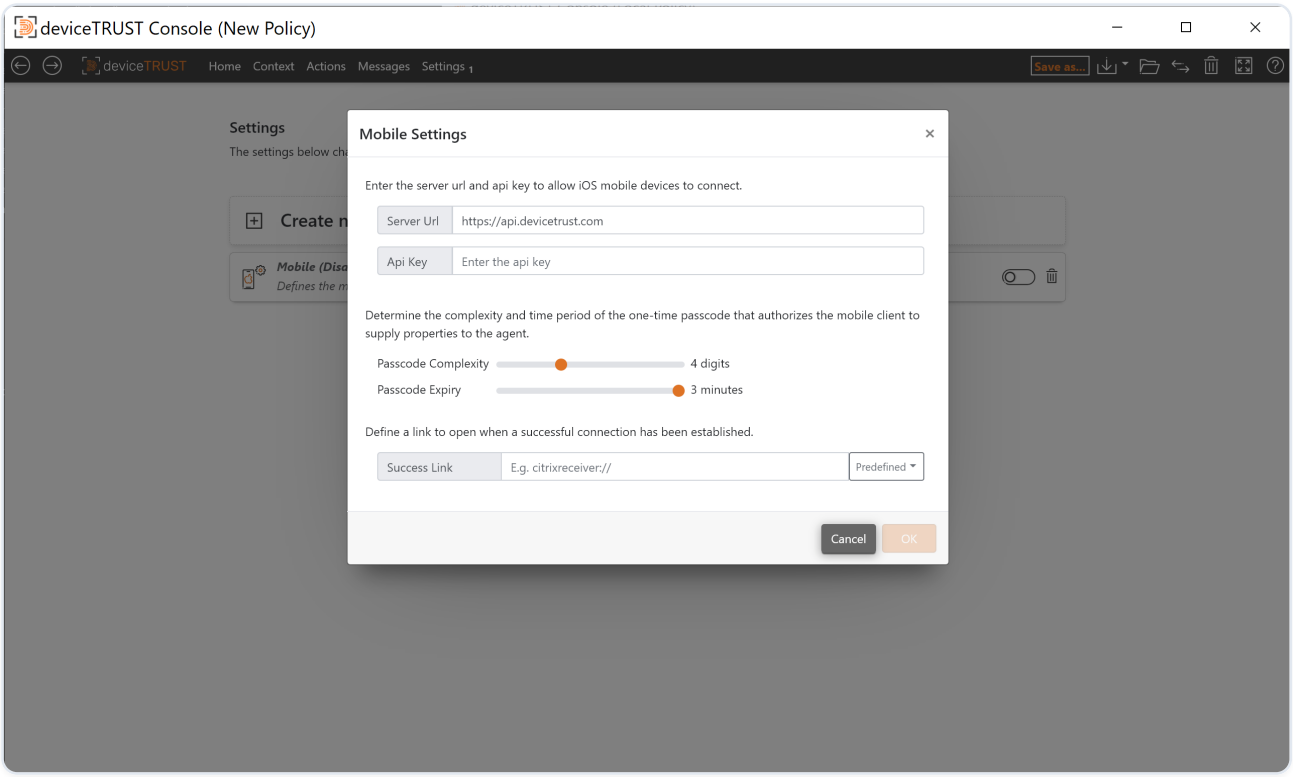
The `Microsoft AppLocker Settings` define the Microsoft AppLocker policy to control the applications, installers and scripts that can be launched.



Mobile Settings

The `Mobile Settings` define the mobile settings for managing iOS devices.

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The following controls are available:

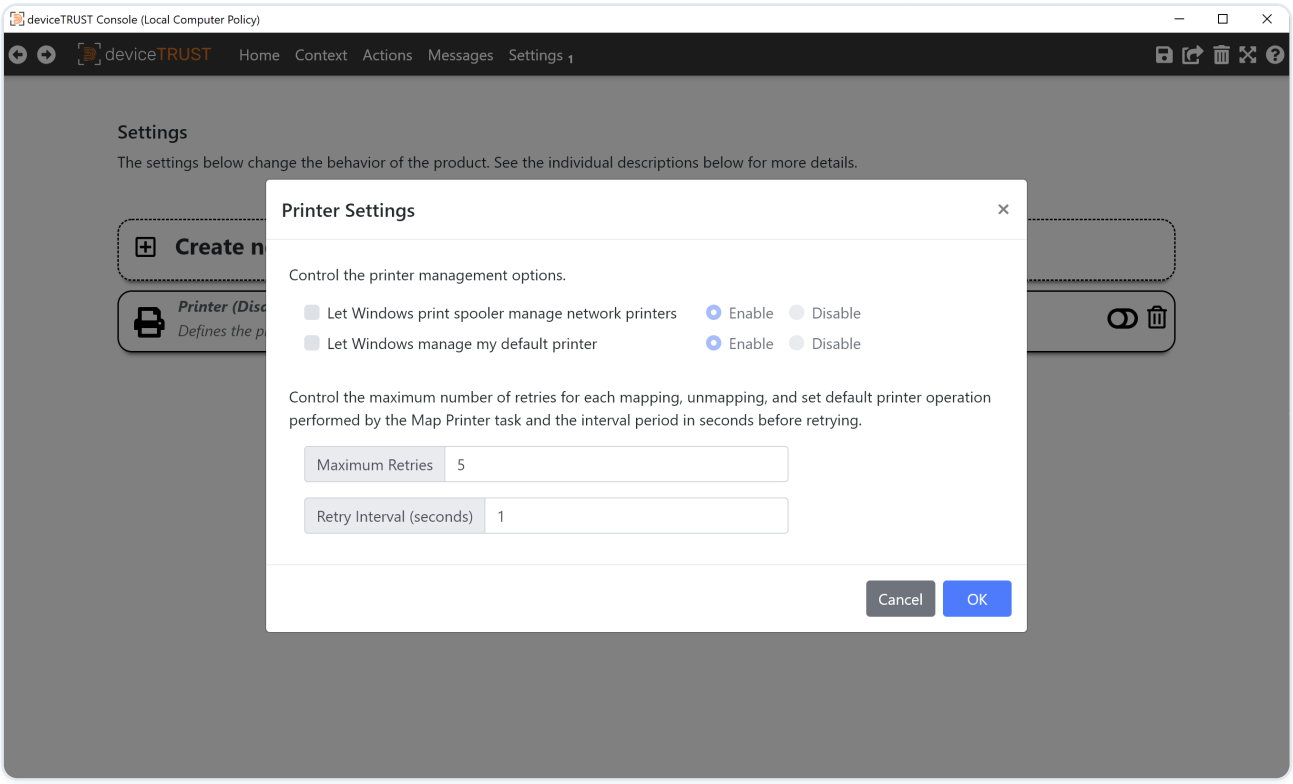
- *Server Url* - This is the URL used by the deviceTRUST® Agent to facilitate a connection to a remote iOS device. The default value should remain unchanged.
- *Api Key* - This is an API Key generated from the *App Registration* section of the deviceTRUST Portal.
- *Passcode Complexity* - Determines the number of digits displayed to the user when connecting from a remote iOS device.
- *Passcode Expiry* - Determines the length of time that the passcode remains valid allowing the user to enter their passcode.
- *Success Link* - Determines a URL that is invoked by the deviceTRUST Client Extension for iOS after successfully providing properties to the deviceTRUST Agent.

The *Success Link* can be used to seamlessly redirect the user back to their remoting client.

Printer Settings

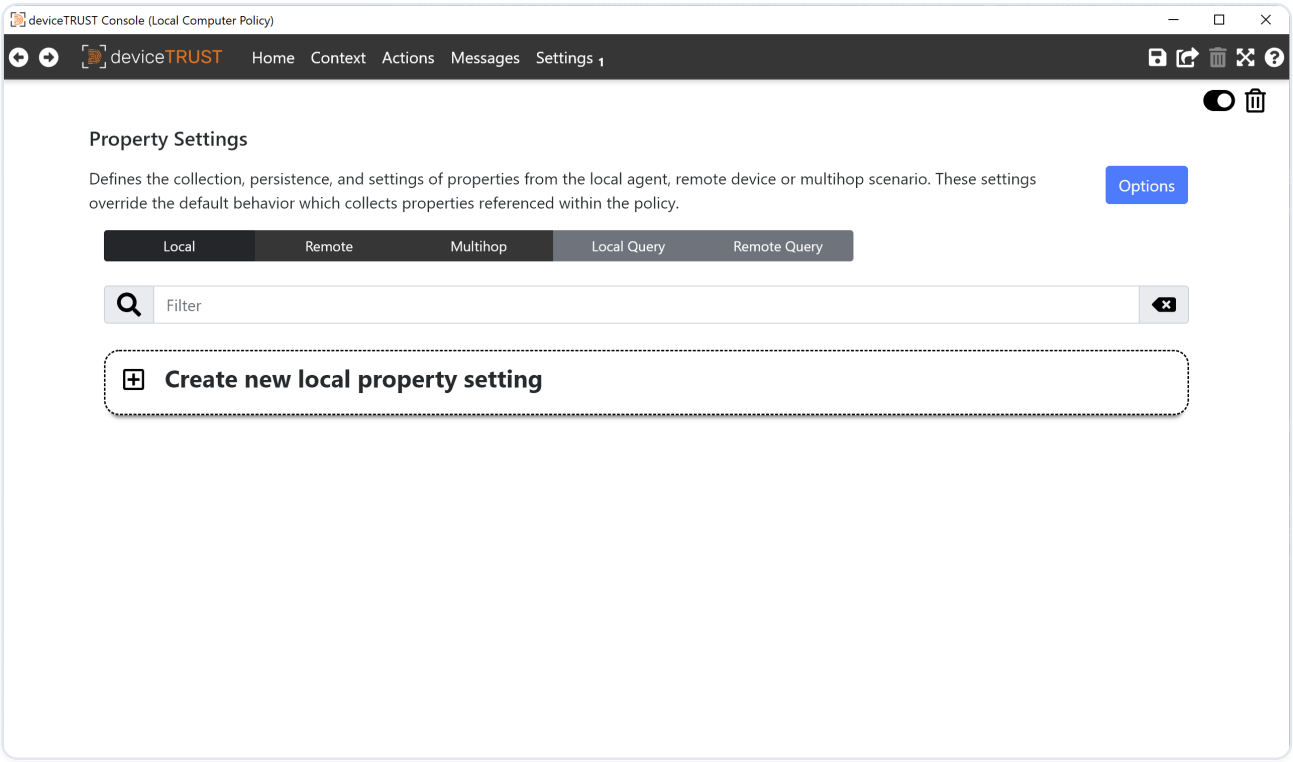
The `Printer Settings` define the printer management options and the retry and timeout settings for the Map Printer task.

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Property Settings

The `Property Settings` defines the collection, persistence, and settings of properties from the local agent, remote device or multihop scenario. These settings override the default behavior which collects properties referenced within the policy. Additional options for Location, Security Product and Whois are also available.

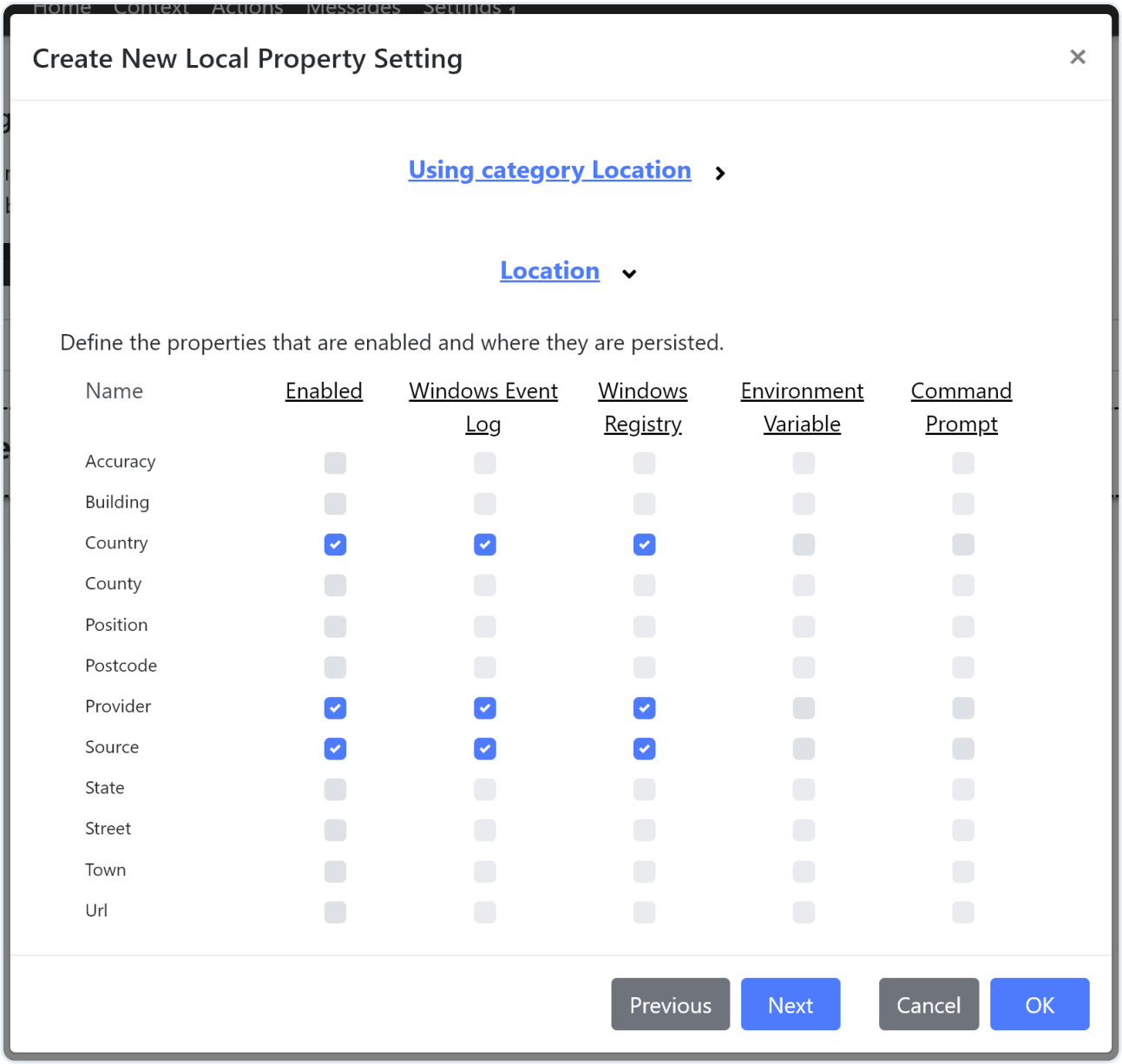


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Property Filters

A property filter can be used to determine which properties are collected from the local or remote device, and where they are persisted. By default, all properties that are referenced within a Context are collected from the local or remote device, and are persisted according to the settings defined within the `Options`.

Properties can be configured for the local agent by selecting the `Local` tab and clicking `Create new local property setting`. Alternatively, properties can be configured for the remote device by selecting the `Remote` tab and clicking `Create new remote property setting`.



The available properties for the selected category are listed on the left hand side. Each property can be selected to be collected and persisted by the deviceTRUST® Agent under the following headers:

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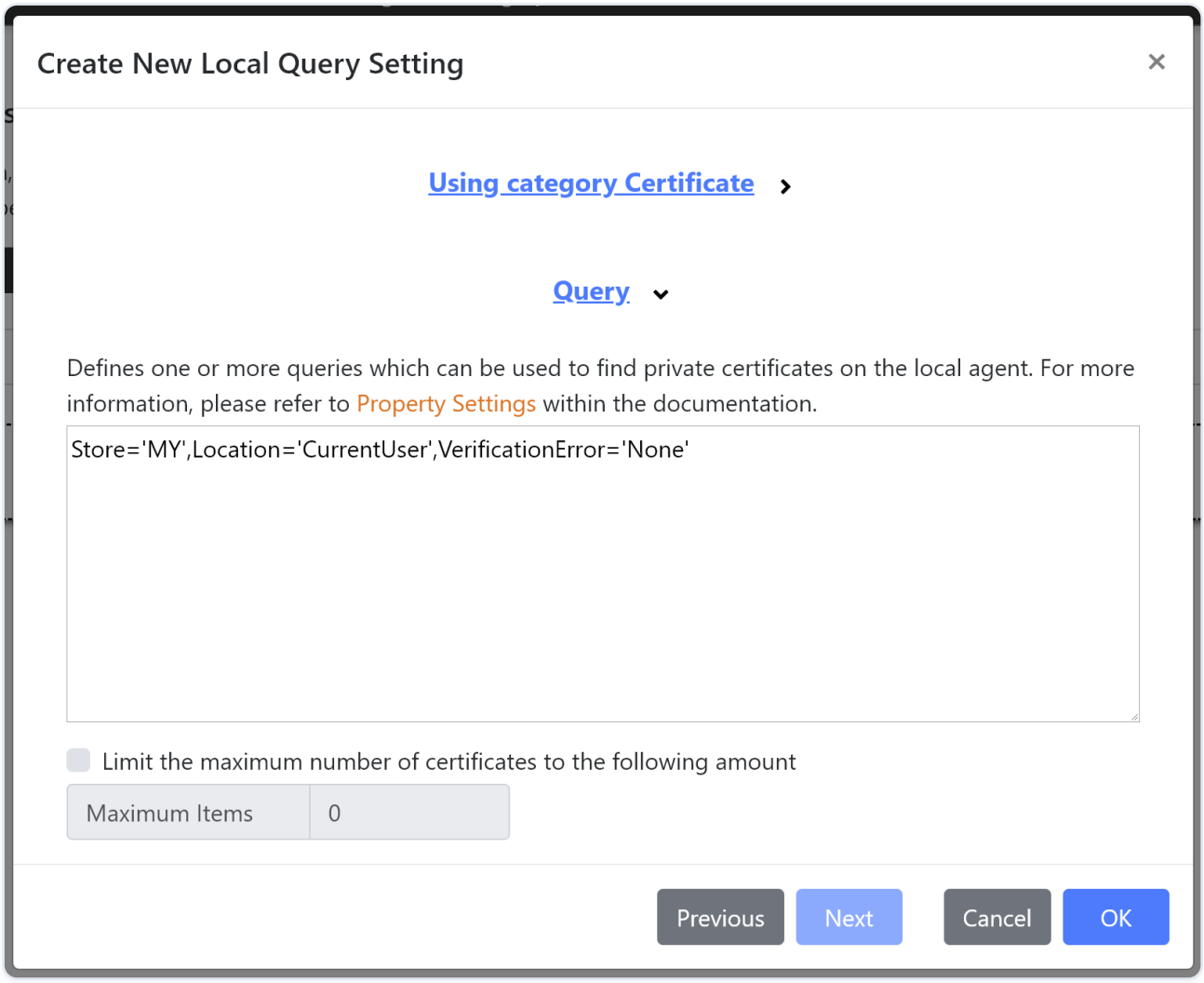
- `Enabled` - determines whether the property is collected from the device.
- `Windows Event Log` - determines whether the property is written to the Windows Event Log.
- `Windows Registry` - determines whether the property is written to the Windows Registry at `HKCU/Software/deviceTRUST/Properties`.
- `Environment Variable` - determines whether the property is available to other processes through an environment variable.
- `Command Prompt` - determines whether the property is available on the command prompt via a call to `dtcmd.exe GET`.

Property Queries

deviceTRUST provides a default query to provide specific displays, networks, access points, printers and certificates into the properties available for the local or remote device. However, the default queries may not be suitable, or may simply contain too much information. Therefore, the queries can be independently customized for both the local and remote device within the policy assigned to the agent.

Queries can be added for the local agent by selecting the `Local Query` tab and clicking `Create new local query`. Alternatively, queries can be added for the remote device by selecting the `Remote Query` tab and clicking `Create new remote query`.

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Queries consist of one or more query strings, each containing one or more constraints. All constraints within any of the query strings must be matched for an item to be included in the results. For example, take the following 2 printer query strings:

- Server='\\\\PRINTSERVER??', Name='Finance Printer'
- Default='true'

The first of the two queries in the example above includes 2 constraints. Server='\\\\PRINTSERVER??' ensures that printers returned from the first query have a server matching the wildcard expression, such as \\\\PRINTSERVER01. Name='Finance Printer' ensures that only printers matching the given name are returned. In the second query, Default='true' ensures that default printers are returned. Since printers will be returned if they match any of the statements, default printers will always be returned, even if they are not the 'Finance Printer'. Similarly, finance printers will be returned even if they are not the default printer.

The constraints available to a query depend upon whether it is targeting displays, networks, access points, printers or certificates. The operations available to a constraint depend upon the underlying data type. For example, the name of a printer is textual, hence string comparisons can be

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performed using wildcard characters. Alternatively, the speed of a network is numeric, hence comparisons can be made against a number.

Access Point Queries

Access Point queries can be used to discover access points on the local or remote device. The following constraints are supported:

- Text constraints for SSID and BSSID.
- Number constraints for Strength, Quality and Frequency.
- Boolean constraint for Secure.

For example:

- SSID=’MyAccessPoint’, Strength>=’-50’ – Matches access points with the SSID ‘MyAccessPoint’ and a RSSI strength greater than -50.
- Secure=’true’ – Matches all secure access points.

By default, no access points are queried.

Certificate Queries

Certificate queries can be used to discover certificates on the local or remote device. The following constraints are available:

- Text constraints for Store, Name, Subject, Issuer, SignatureAlgorithm, SerialNumber, ThumbprintSha1, Template, ExtendedUsage, RootName and RootThumbprintSha1.
- Enum constraint for Location with values CurrentUser and LocalMachine.
- Enum constraint for Version with values V1, V2 and V3.
- Enum constraint for VerificationError with values None, CannotBeVerified, Revoked, UntrustedRoot, UntrustedTestRoot, Chaining, Expired, Critical and NoRevocationCheck.
- Enum constraint for Usage with values EncipherOnly, CrlSigning, CertificateSigning, KeyAgreement, DataEncipherment, KeyEncipherment, NonReduiation, DigitalSignature and DecipherOnly.
- Date constraints for NotBefore and NotAfter.

For example:

- Template='*CompanyCert*', ExtendedUsage='*1.3.6.1.5.5.7.3.2*' - All certificates assigned by a template containing the name 'CompanyCert' for use with client authentication.

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- VerificationError='*' - All certificates, regardless of their verification errors.
- VerificationError='None;Expired', Issuer='*TrustedAuthority*' - All valid or expired certificates whose issuer contains the text 'TrustedAuthority'.

The default value is "Store='My', Location='CurrentUser', VerificationError='None'". Store defaults to 'My' unless specified. Location defaults to 'CurrentUser' unless specified. VerificationError defaults to 'None' unless specified.

Display Queries

Display queries can be used to discover the displays on the local or remote device. The following constraints are supported:

- Text constraint for Name.
- Number constraints for Width, Height and Bpp.

For example:

- Width>='1024', Height>='768' queries all displays which have a width greater than or equal to 1024 pixels, and a height greater than or equal to 768.

By default, all displays are queried.

Firewall Queries

Unlike other queries, the firewall queries are used to exclude firewall rules from the local or remote device. The following constraints are available:

- Text constraints for Name, Description, Group, Program, Service, Package, PackageName, PackageDescription, PackageFullName and PortName.
- Enum constraint for Type with values Program, Package, Service, System and Any.
- Enum constraint for Direction with values Inbound and Outbound.
- Enum constraint for Protocol with values Any, HOPOPT, ICMPv4, IGMP, TCP, UDP, IPv6, IPv6Route, IPv6Frag, GRE, ICMPv6, IPv6NoNxt, IPv6Opts, VRRP, PGM, L2TP, or any protocol number from `http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xml`.
- Enum constraint for Profile with values Domain, Private, Public.
- Number constraints for Port, with additional option to use * to match rules that target any port.

For example:

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- Direction='Inbound', Program='*\MyApp.exe', Port>=3000, Port<=3002 - Excludes all inbound traffic to MyApp.exe to ports 3000, 3001 and 3002. The default value does not filter the Firewall rules.

Logical Disk Queries

Logical Disk queries can be used to filter the logical disks that are discovered on the local or remote device. The following constraints are available:

- Enum constraint for Type with values Removable, Fixed, Cdrom and Ramdisk.
- Enum constraint for Flags with values NotReady, PreservedNames, CaseSensitiveSearch, DaxVolume, SupportsCompression, NamedStreams, PersistentAcls, ReadOnly, SequentialWriteOnce, SupportsEncryption, ExtendedAttributes, HardLinks, ObjectIds, OpenByFileId, ReparsePoints, SparseFiles, Transactions, UsnJournal, UnicodeFileNames, IsCompressed, SupportsQuotas.
- Text constraints for Label, FileSystem, Drive and Path.
- Number constraints for TotalMB and FreeMb.
- Boolean constraints for Encrypted.

For example:

- Drive='D:,E:,F:,G:' - Returns any drive mapped to letters D, E, F or G.
- Type='Removable' - Returns only removable disks.

The default value returns all logical disks represented by a drive letter (e.g. Flags!='NotReady', Drive!='').

Mapped Drive Queries

Mapped Drive queries can be used to filter the mapped drives that are discovered on the local or remote device. The following constraints are available:

- Text constraints for Drive, Server, Share, User and Provider.

For example:

- Drive='D:' - Returns any drives mapped to a local D:.
- User='DOMAIN*' - Returns any mapped drives authenticated by a member of the 'DOMAIN' domain.

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- Server='\\\\SERVERNAME' - Returns any mapped drives using a remote server name of '\\\\SERVERNAME'.

The default value returns all mapped drives.

Network Queries

Network queries can be used to discover networks on the local or remote device. The following constraints are supported:

- Text constraints for Name, Description, Mac, GatewayMac, WifiSsid, WifiBssid, WifiSecurity and DnsSuffix.
- Enum constraint for Status with values Up, Down, Testing, Unknown, Dormant, NotPresent and LowerLayerDown.
- Enum constraint for Type with values Other, Ethernet, TokenRing, PPP, SoftwareLoopback, ATM, WiFi, Tunnel, Firewire and Mobile.
- Enum constraint for Category with values Public, Private and Domain.
- Boolean constraint for DhcpEnabled.
- Number constraints for Speed and WifiStrength.
- IpAddress constraints for IP, Gateway, DNS, WINS and DhcpServer.

For example:

- DhcpEnabled='true', DhcpServer='192.168.100.1-2', GatewayMac='01-02-03-04-05-06-07' - Matches networks assigned an ip address from a DHCP Server of address 192.168.100.1 or 192.168.100.2 configured with a gateway using MAC address 01-02-03-04-05-06-07.

The default value is "Status='Up', Type='Ethernet;WiFi'". Status defaults to 'Up' unless specified and type defaults to 'Ethernet;WiFi' unless specified.

Printer Queries

Printer queries can be used to discover printers on the local or remote device. The following constraints are available:

- Text constraints for Name, Server, Share, Port, Location, Driver, DriverFile and DriverManufacturer.
- Boolean constraint for Default, Local, DirectoryPublished and KeepPrintJobs.

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- Enum constraint for Errors with values Paused, Error, PendingDeletion, PaperJam, PaperOut, PaperProblem, Offline, OutputBinFull, NotAvailable, TonerLow, NoToner, CannotPrintPage, UserIntervention, OutOfMemory, DoorOpen, ServerUnknown, ServerOffline and DriverUpdateNeeded.
- Version constraint for DriverVersion.

For example:

- Default='true' - Returns just the default printer.
- Share='\\\\SERVER??*', Errors='*' - Returns printers which have a share matching the wildcard '\\\\SERVER??*' regardless of the error value.

The default value is ''Errors!='Offline;ServerOffline;NotAvailable'''. Errors defaults to all values except 'Offline;ServerOffline;NotAvailable' unless specified.

Security Product Queries

Defines queries which can be used to limit the security products. The following constraints are available:

- Text constraint for Name.
- Enum constraint for Category with values AntiVirus, AntiSpyware and Firewall.
- Enum constraint for Status with values Active, Out-Of-Date and Inactive.
- Date constraint for Timestamp.

For example:

- Status=’Active’, Category=’AntiVirus’ - Queries all AntiVirus security products with a status of Active. For full details, please see deviceTRUST Property Queries within the deviceTRUST Administration Guide.

The default query includes all security products.

Text Constraints

Text constraints are used to match textual properties of an item, such as a name or description. The text is case insensitive and must match in full. Operators of equals ‘=’ and not equals ‘!=’ are supported. The asterisk ‘*’ wildcard character matches zero or more unspecified characters, and the question mark ‘?’ character matches a single digit. Multiple text matches can be specified by separating them with a semi-colon ‘;’.

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For example:

- Name=’ABC*’ – matches any name starting with ABC, such as ABC, ABCD, ABCDE, abc, etc.
- Name=’*ABC*’ – matches any name containing ABC, such as ABC, ABCD, 1234ABCD, etc.
- Name=’A?C’ – matches any name with 3 digits, starting with A and ending in C, such as AAC, ABC, ADC, etc.
- Name!=’*ABC*’ – matches any name which does not contain ABC, such as AB, ABD, etc.
- Name=’*ABC*;*XYZ*’ – matches any name which contains the text ABC or DEF, such as 1234ABCD or XYZ987, etc.

Enumeration (Enum) Constraints

Enum constraints are used to match properties which have a predefined set of potential values, such as a network type which can be Ethernet, WiFi, Mobile, etc. The values which can be contained within the property are specific to each property. Operators of equals ‘=’ and not equals ‘!=’ are supported. The asterisk ‘*’ wildcard can be used to match any value, which becomes useful to override the default behavior of a constraint. Multiple enum matches can be specified by separating them with a semi-colon ‘;’.

For example:

- Type=’WiFi’ – matches a type of WiFi.
- Type=’WiFi;Ethernet’ – matches a type of WiFi or Ethernet.
- Type!=’WiFi’ – matches any type which is not WiFi.
- Type!=’WiFi;Ethernet’ – matches a type which is neither WiFi or Ethernet.
- Type=’*’ – matches any type.

Number Constraints

Number constraints are used to match properties which are numeric, such as the speed of a network. The following operators are supported:

- Equals ‘=’ – matches the number exactly.
- Not Equals ‘!=’ – matches all numbers except the one specified.
- Greater Than ‘>’ – matches all number greater but not equal to that specified.
- Greater Than or Equals ‘>=’ – matches all numbers greater than or equal to the one specified.
- Less Than ‘<’ – matches all numbers less but not equal to the one specified.

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- Less Than or Equals ‘<=’ – matches all numbers less than or equals to that specified.

Constraints can be specified multiple times to form range constraints.

For example:

- Speed=’1000’ – matches the speed when it is equal to 1000.
- Speed>=’1000’ – matches the speed when it is greater than or equal to 1000.
- Speed>=’1000’, Speed<’2000’ – matches the speed between the range 1000 and 1999.

Date Constraints

Date constraints are used to match properties which represent a date, such as the NotBefore and NotAfter properties of a certificate. Date constraints support the same operators as the number constraints. Dates can either be specified as a specific RFC2822 or ISO 8601 date string, such as ‘2016-03-21’, as a positive or negative number representing the number of days relative to the current date. Constraints can be specified multiple times to form range constraints.

For example:

- Expiry=’2016-03-21’ – matches the expiry of 21st March 2016.
- Expiry>=’2016-03-21’ – matches any expiry greater than or equals to 21st March 2016.
- Expiry>=’2016-03-21’, Expiry<’2017-03-21’ – matches any expiry between the dates of 21st March 2016 and 20th March 2017.
- Expiry=’1’ – matches the expiry of tomorrow.
- Expiry>’0’, Expiry<=’7’ – matches any expiry in the next week.
- Expiry<’0’, Expiry>=’-7’ – matches any expiry in the past week.

Boolean Constraints

Boolean constraints are used to match properties which can only be ‘true’ or ‘false’. Operators of equals ‘=’ and not equals ‘!=’ are supported, and values of ‘true’, ‘false’ and asterisk ‘*’ to match any value.

For example:

- Default=’true’ – matches the default of true.
- Default=’false’ – matches the default of false.
- Default=’*’ – matches either true or false.

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IpAddress Constraints

IpAddress constraints are used to match properties which represent one or more IP addresses, such as a network's IP or Gateway. Operators of equals '=' and not equals '!=' are supported. Values can be either IPv4 or IPv6 addresses, and are only compared for the level of detail supplied in the constraint. For example, '192.168' will match any address starting with 192.168. An asterisk '*' can be supplied to match any digit within the address, and a dash '-' can be used to define a valid range of numbers.

For example:

- IP='192.168.100.1' – matches the exact address 192.168.100.1.
- IP='192.168' – matches any address starting with 192.168, such as 192.168.100.1.
- IP='192.168.*.1' – matches any address starting with 192.168 and ending in 1.
- IP='192.168.100.1-2' – matches the addresses 192.168.100.1 and 192.168.100.2.
- IP!='192.168.100.1-2' – matches all addresses except 192.168.100.1 and 192.168.100.2.

Version Constraints

Version constraints are used to match properties which represent a dot '.' delimited version number, such as the printer driver's version number. Operators of equals '=' and not equals '!=' are supported. Values are compared for the level of detail supplied in the constraint. For example, '18.1' will match any version starting with 18.1. An asterisk '*' can be supplied to match any digit within the version number, and a dash '-' can be used to define a valid range of numbers.

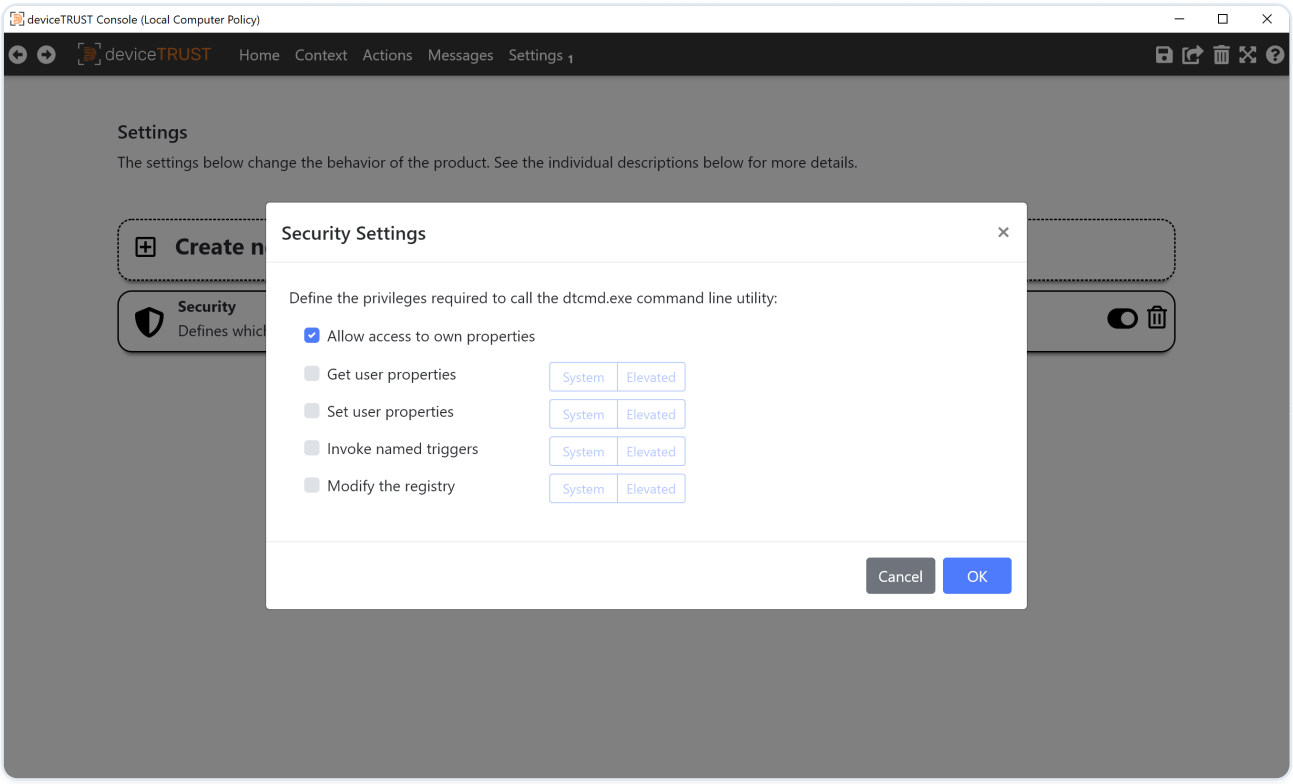
For example:

- Version='18.1.100.0' – matches the exact version 18.1.100.0.
- Version='18.1' – matches any version starting with 18.1.
- Version='18.1.*.0' – matches any version starting with 18.1 and ending in 0.
- Version='18.1.100-200.0' – matches any version starting with 18.1, having a third digit between 100 and 200, and a fourth digit of zero.
- Version!='18.1' – matches any version which doesn't start with 18.1.

Security Settings

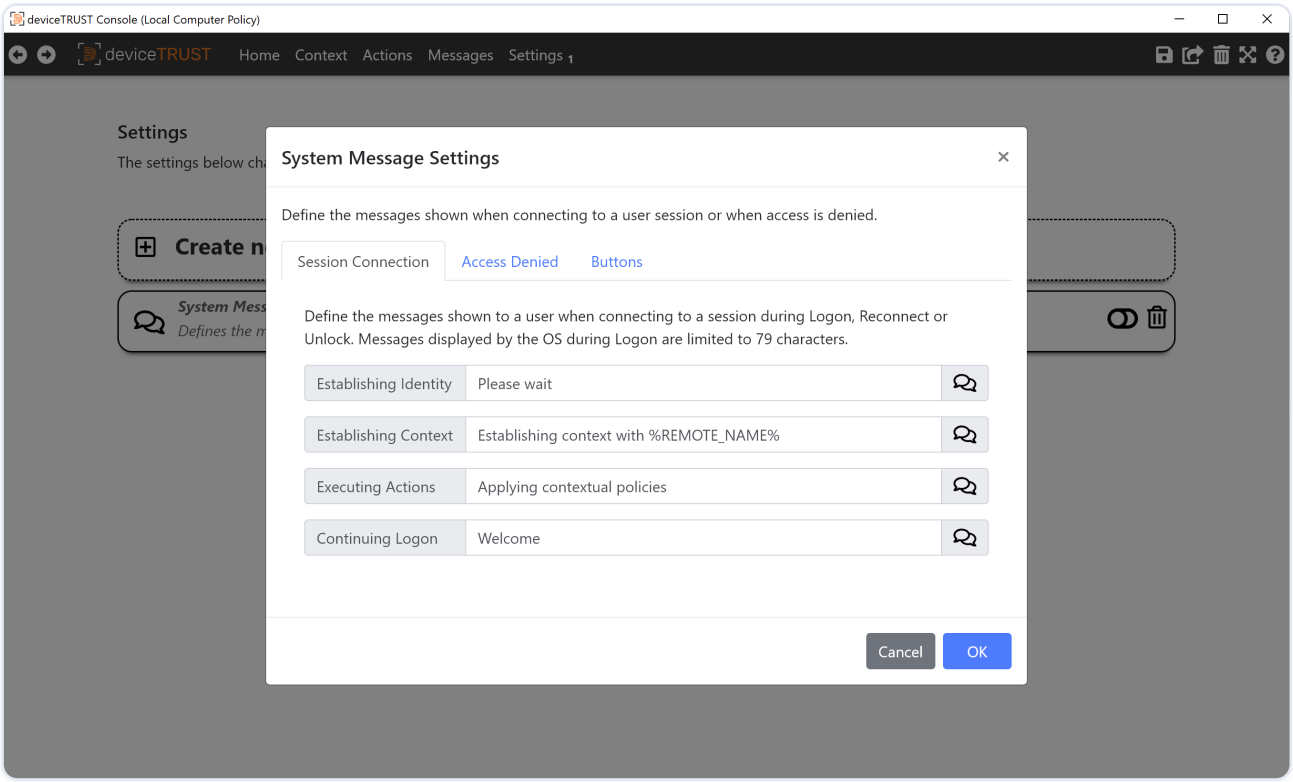
The `Security Settings` defines which external processes have permission to get or set properties, modify the registry, and invoke triggers.

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System Messages Settings

The `System Messages Settings` defines the messages shown when connecting to a user session or when access is denied.



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Access Point Properties

ACCESS POINT PROPERTY	AGENT	CLIENT EXTENSION							
Describes the available Wi-Fi access points.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
BSSID									
The Basic Service Set Identifier (BSSID) of the access point. Dynamic property with text data	✓	✓							

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ACCESS POINT PROPERTY	AGENT	CLIENT EXTENSION							
type. Persists as LOCAL_ACCESSPOINT_X_BSSID for the local agent and REMOTE_ACCESSPOINT_X_BSSID for the remote device.									
Count									
The number of	✓	✓							

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ACCESS POINT PROPERTY	AGENT	CLIENT EXTENSION							
available access points. Dynamic property with number data type. Persists as LOCAL_ACCESSPOINT_COUNT for the local agent and REMOTE_ACCESSPOINT_									

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ACCESS POINT PROPERTY	AGENT	CLIENT EXTENSION							
COUNT for the remote device.									
Frequency									
The frequency of the response received from the access point, measured in kilohertz (kHz). Dynamic prope	✓	✓							

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ACCESS POINT PROPERTY	AGENT	CLIENT EXTENSION							
rty with number data type. Persists as LOCAL_ACCESSPOINT_X_FREQUENCY for the local agent and REMOTE_ACCESSPOINT_X_FREQUENCY for the remote									

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ACCESS POINT PROPERTY	AGENT	CLIENT EXTENSION							
device.									
Quality									
The link quality measured as a percentage, with 100 being the highest link quality. Dynamic property with number data type. Persists as LOC	✓	✓							

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ACCESS POINT PROPERTY	AGENT	CLIENT EXTENSION							
AL_ACCESSPOINT_X_QUALITY for the local agent and REMOTE_ACCESSPOINT_X_QUALITY for the remote device.									
Secure									
Set to true if the access	✓	✓							

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ACCESS POINT PROPERTY	AGENT	CLIENT EXTENSION							
point is secured. Dynamic property with boolean data type. Persists as LOCAL_ACCESSPOINT_X_SECURE for the local agent and REMOTE_ACCESSPOINT_X_SE									

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ACCESS POINT PROPERTY	AGENT	CLIENT EXTENSION							
CURE for the remote device.									
SSID									
The Service Set Identifier (SSID) of the access point. Dynamic property with text data type. Persists as LOCAL_ACCE	✓	✓							

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ACCESS POINT PROPERTY	AGENT	CLIENT EXTENSION							
SSPOINT_X_SSID for the local agent and REMOTE_ACCESSPOINT_X_SSID for the remote device.									
Strength									
The Received Signal Strength Indicator (RSS	✓	✓							

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ACCESS POINT PROPERTY	AGENT	CLIENT EXTENSION							
I) value measured in units of decibels referenced to 1.0 milliwatts (dBm). Dynamic property with number data type. Persists as LOCAL_ACCESSPOINT_X_STRE									

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ACCESS POINT PROPERTY	AGENT	CLIENT EXTENSION							
NGTH for the local agent and REMOTE_ACCESSPOINT_X_STRENGTH for the remote device.									

Browser Properties

BROWSER PROPERTY	AGENT	CLIENT EXTENSION							
Describes installed	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTo	Unicon™ eLux

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BROWSER PROPERTY	AGENT	CLIENT EXTENSION						
internet browsers.							uch OS	
Count								
The number of internet browsers. Realtime property with number data type. Persists as `LOCAL_BROWSER_COUNT` for the local agent and	✓	✓						

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BROWSER PROPERTY	AGENT	CLIENT EXTENSION							
`REMOTE_BROWSER_COUNT` for the remote device.									
Default									
Determines whether the browser is the default. Realtime property with boolean data type. Persists	✓	✓							

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BROWSER PROPERTY	AGENT	CLIENT EXTENSION							
as `LOCAL_BROWSER_X_DEFAULT` for the local agent and `REMOTE_BROWSER_X_DEFAULT` for the remote device.									
File Path									
The file path of the internet browser	✓	✓							

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BROWSER PROPERTY	AGENT	CLIENT EXTENSION							
executable. Realtime property with text data type. Persists as `LOCAL_BROWSER_X_FILEPATH` for the local agent and `REMOTE_BROWSER_X_FILEPATH` for the remote									

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BROWSER PROPERTY	AGENT	CLIENT EXTENSION							
device.									
Name									
The name of the internet browser. Realtime property with text data type. Persists as `LOCAL_BROWSER_X_NAME` for the local agent and `REMOTE_`	✓	✓							

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BROWSER PROPERTY	AGENT	CLIENT EXTENSION							
`BROWSER_X_NAME` for the remote device.									
Version									
The version of the internet browser executable. Realtime property with text data type. Persists as `LOC`	✓	✓							

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BROWSER PROPERTY	AGENT	CLIENT EXTENSION							
`AL_BROWSER_X_VERSION` for the local agent and `REMOTE_BROWSER_X_VERSION` for the remote device.									

Cellular Properties

CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
Describes the activ	Microsoft	Microsoft	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTo	Unicon™ eLux

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION						
e cellular capabilities of an endpoint.	Windows	Windows					uch OS	
Class								
The cellular data class of the active connection to the network provider. Realtime property with enum, text data types	✓	✓		✓				

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
with options GPRS, EDGE, UTMS, HSDPA, HSUPA, HSPA, HSPA+, LTE, WCDMA, 1xRTT, 1xEVDO, 1xEVDV, 3xRTT, UMB, HRPD, NRNSA, NRSA. Persi									

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
sts as `LOCAL_CELLULAR_CLASS` for the local agent and `REMOTE_CELLULAR_CLASS` for the remote device.									
Country									

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
The ISO-3166 country name of the country where the connected network provider resides. This value is only available for GSM devices. Realtime property with text data	✓	✓		✓					

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
type. Persists as `LOCAL_CELLULAR_COUNTRY` for the local agent and `REMOTE_CELLULAR_COUNTRY` for the remote device.									
Country Code									

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
The mobile country code (MCC) of the connected network provider. This value is only available for GSM devices. Realtime property with number data type. Persists	✓	✓		✓					

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
as `LOCAL_CELLULAR_COUNTRY_CODE` for the local agent and `REMOTE_CELLULAR_COUNTRY_CODE` for the remote device.									
ID									

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION						
For GSM devices, this is the 15 digit IMEI number. For CDMA devices, this is the 11 digit ESN or the 17 digit MEID. Realtime property with text data type. Persists	✓	✓						

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
as `LOCAL_CELLULAR_ID` for the local agent and `REMOTE_CELLULAR_ID` for the remote device.									
Network Code									

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
The mobile network code (MNC) of the connected network provider. This value is only available for GSM devices. Realtime property with number data type. Persists	✓	✓		✓					

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
as `LOCAL_CELLULAR_NETWORK_CODE` for the local agent and `REMOTE_CELLULAR_NETWORK_CODE` for the remote device.									
Network Name									
The name of the conn	✓	✓		✓					

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
ected network provider. Realtime property with text data type. Persists as `LOCAL_CELLULAR_NETWORK` for the local agent and `REMOTE_CELLULAR_NETWORK` for the remot									

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
e device.									
Product									
The product name of the device providing the cellular service. Realtime property with text data type. Persists as `LOCAL_CELLULAR_PROD`	✓	✓							

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
`UCT` for the local agent and `REMOTE_CELLULAR_PRODUCT` for the remote device.									
Roaming									
Determines whether the connected network provider is different to the	✓	✓							

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
home provider defined by the SIM. Realtime property with boolean data type. Persists as `LOCAL_CELLULAR_ROAMING` for the local agent and `REMOTE_CELLULAR_ROAMING`									

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
for the remote device.									
Type									
The cellular communication type supported by the device. Realtime property with enum data type with options GSM, CDMA.	✓	✓		✓					

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
Persists as `LOCAL_CELLULAR_TYPE` for the local agent and `REMOTE_CELLULAR_TYPE` for the remote device.									
Vendor									
The vendor name of the device provi	✓	✓							

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION
ding the cellular service. Realtime property with text data type. Persists as `LOCAL_CELLULAR_VENDOR` for the local agent and `REMOTE_CELLULAR_VENDOR` for the		

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CELLULAR PROPERTY	AGENT	CLIENT EXTENSION							
remote device.									

Certificate Properties

CERTIFICATE	AGENT	CLIENT EXTENSION							
Describes the private certificates available within the users certificate store.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Count									
The number of install	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
ed certificates. Dynamic property with number data type. Persists as `LOCAL_CERTIFICATE_COUNT` for the local agent and `REMOTE_CERTIFICATE_COUNT` for the remote									

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CERTIFICATE	AGENT	CLIENT EXTENSION							
device.									
Extended Usage									
The valid extended usages of the certificate. Dynamic property with text data type. Persists as `LOCAL_CERTIFICATE_X_EXTENDEDUSAGE`	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
for the local agent and `REMOTE_CERTIFICATE_X_EXTENDEDUSAGE` for the remote device.									
Issuer									
The name of the certificate authority that issued the certificate. Dyna	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
mic property with text data type. Persists as `LOCAL_CERTIFICATE_X_ISSUER` for the local agent and `REMOTE_CERTIFICATE_X_ISSUER` for the remote device.									

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CERTIFICATE	AGENT	CLIENT EXTENSION							
Location									
The location of the certificate, such as 'CurrentUser'. Dynamic property with enum data type with options Current User, Local Machine. Persists as `LOCAL_CERTI`	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
`FICATE_X_LOCATION` for the local agent and `REMOTE_CERTIFICATE_X_LOCATION` for the remote device.									
Name									
The name of the certificate. Dynamic property	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
with text data type. Persists as `LOCAL_CERTIFICATE_X_NAME` for the local agent and `REMOTE_CERTIFICATE_X_NAME` for the remote device.									
Not After									
The date	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
after which the certificate expires. Dynamic property with datetime data type. Persists as `LOCAL_CERTIFICATE_X_NOTAFTER` for the local agent and `REMOTE_CERTIFICATE_X_NO`									

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CERTIFICATE	AGENT	CLIENT EXTENSION							
`TAFTER` for the remote device.									
Not Before									
The date after which the certificate becomes valid. Dynamic property with datetime data type. Persists as `LOCAL_C`	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
`CERTIFICATE_X_NOTBEFORE` for the local agent and `REMOTE_CERTIFICATE_X_NOTBEFORE` for the remote device.									
Policies									
The certificate policies identifying the	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
intended purpose of the certificate. Dynamic property with text data type. Persists as `LOCAL_CERTIFICATE_X_POLICIES` for the local agent and `REMOTE_CERTIFICATE_X_POLICI`									

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CERTIFICATE	AGENT	CLIENT EXTENSION							
`ES` for the remote device.									
Root Name									
The root name of the certificate. Dynamic property with text data type. Persists as `LOCAL_CERTIFICATE_X_ROOT_NAME`	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
for the local agent and `REMOTE_CERTIFICATE_X_ROOT_NAME` for the remote device.									
Root Thumbprint SHA 256									
The SHA 256 Thumbprint of the root certificate. Dynamic	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
property with text data type. Persists as `LOCAL_CERTIFICATE_X_ROOT_THUMBPRINT_SHA256` for the local agent and `REMOTE_CERTIFICATE_X_ROOT_THUMBPRINT_SHA256` for									

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CERTIFICATE	AGENT	CLIENT EXTENSION							
the remote device.									
Serial Number									
The serial number of the certificate. Dynamic property with text data type. Persists as `LOCAL_CERTIFICATE_X_SERIALNUMBER` for	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
the local agent and `REMOTE_CERTIFICATE_X_SERIALNUMBER` for the remote device.									
Signature Algorithm									
The algorithm used to create the certificate. Dynamic prope	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION
rty with text data type. Persists as `LOCAL_CERTIFICATE_X_SIGNATUREALGORITHM` for the local agent and `REMOTE_CERTIFICATE_X_SIGNATUREALGORITHM` for the remote		

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CERTIFICATE	AGENT	CLIENT EXTENSION							
device.									
Store									
The name of the store which contains the certificate, such as 'My'. Dynamic property with text data type. Persists as `LOCAL_CERTIFICATE_X_STORE` for	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
the local agent and `REMOTE_CERTIFICATE_X_STORE` for the remote device.									
Subject									
The subject distinguished name of the certificate. Dynamic property with text	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
data type. Persists as `LOCAL_CERTIFICATE_X_SUBJECT` for the local agent and `REMOTE_CERTIFICATE_X_SUBJECT` for the remote device.									
Template									
The name of the	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
template which was used to generate the certificate. Dynamic property with text data type. Persists as `LOCAL_CERTIFICATE_X_TEMPLATE` for the local agent and `REMOTE_CERT`									

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CERTIFICATE	AGENT	CLIENT EXTENSION							
`IFICATE_X_TEMPLATE` for the remote device.									
Thumbprint SHA 256									
The SHA 256 Thumbprint of the certificate. Dynamic property with text data type. Persists as `LOC`	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
`AL_CERTIFICATE_X_THUMBPRINT_SHA256` for the local agent and `REMOTE_CERTIFICATE_X_THUMBPRINT_SHA256` for the remote device.									
TPM Key Attestation									

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CERTIFICATE	AGENT	CLIENT EXTENSION							
Detects the key attestation issuance policies which prove to a CA that the certificate is protected by a trusted TPM. Dynamic property with enum data type with options None	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
, UserCredentials, HardwareCertificate, HardwareKey. Persists as `LOCAL_CERTIFICATE_X_TPM_KEY_ATTESTATION` for the local agent and `REMOTE_CERTIFICATE_X_TPM_KE`									

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CERTIFICATE	AGENT	CLIENT EXTENSION							
`Y_ATTESTATION` for the remote device.									
Usage									
The valid usages of the certificate. Dynamic property with text data type. Persists as `LOCAL_CERTIFICATE_X`	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
`_USAGE` for the local agent and `REMOTE_CERTIFICATE_X_USAGE` for the remote device.									
Verification Error									
Describes why the certificate failed verification. Dyna	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION							
mic property with enum data type with options None, Cannot Be Verified, Revoked, Untrusted Root, Untrusted Test Root, Chaining, Wrong Usage, Expired, Invalid Name,									

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CERTIFICATE	AGENT	CLIENT EXTENSION
Invalid Policy, Basic Constraints, Critical, Validity Period Nesting, No Revocation Check, Revocation Offline. Persists as `LOCAL_CERTIFICATE_X_VERIFIC`		

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CERTIFICATE	AGENT	CLIENT EXTENSION							
`ATIONERROR` for the local agent and `REMOTE_CERTIFICATE_X_VERIFICATIONERROR` for the remote device.									
Version									
The x509 format version of the certificate.	✓	✓	✓						

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CERTIFICATE	AGENT	CLIENT EXTENSION
Dynamic property with enum data type with options Version 1, Version 2, Version 3. Persists as `LOCAL_CERTIFICATE_X_VERSION` for the local agent and `REMOTE_CERTIFICATE_`		

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CERTIFICATE	AGENT	CLIENT EXTENSION							
`X_VERSION` for the remote device.									

ChromeOS Properties

CHROMEOS	AGENT	CLIENT EXTENSION							
Provides properties unique to a Google ChromeOS device.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Asset ID									
The admi						✓			

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CHROME OS	AGENT	CLIENT EXTENSION							
nistrator-annotated Asset Id. Static property with text data type. Persists as `REMOTE_CHROMEOS_ASSETID` for the remote device.									
Directory Device ID									
The directory						✓			

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CHROME OS	AGENT	CLIENT EXTENSION							
device ID. Static property with text data type. Persists as `REMOTE_CHROMEOS_DIRECTORYDEVICEID` for the remote device.									
Location									
The administrator-annotated						✓			

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CHROMEOS	AGENT	CLIENT EXTENSION							
Location. Static property with text data type. Persists as `REMOTE_CHROMEOS_LOCATION` for the remote device.									

Custom Properties

CUSTOM	AGENT	CLIENT EXTENSION							
Provides a condition	Microsoft	Microsoft	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTo	Unicon eLux

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CUSTOM	AGENT	CLIENT EXTENSION							
that can operate on any property, including custom properties created using 'dtcmd.exe'.	Windows	Windows						uch OS	
Condition									
This is a placeholder custom property to allow the creation of a custo	✓	✓			✓		✓	✓	

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CUSTOM	AGENT	CLIENT EXTENSION							
m condition. This text does not appear within the console. Realtime property with text, number, boolean, datetime, ip, position data types. Persists as `LOCAL_CUSTO`									

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CUSTOM	AGENT	CLIENT EXTENSION							
`M_CONDITION` for the local agent and `REMOTE_CUSTOM_CONDITION` for the remote device.									

deviceTRUST Properties

DEVICETRUST	AGENT	CLIENT EXTENSION							
Provides information about whether a	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux

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DEVICETRUST	AGENT	CLIENT EXTENSION							
connection to a deviceTRUST Client Extension has been established, the version of the deviceTRUST software and the status of the deviceTRUST license.									
Connected									

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DEVICETRUST	AGENT	CLIENT EXTENSION
Determines whether the deviceTRUST Agent has established a connection with the deviceTRUST Client Extension. Static property with boolean data type. Persists as `LOC`	✓	✓

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DEVICETRUST	AGENT	CLIENT EXTENSION							
`AL_DEVICETRUST_CONNECTED` for the local agent.									
License Count									
Determines the number of deviceTRUST licensed units. Static property with number data type. Persi	✓	✓							

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DEVICETRUST	AGENT	CLIENT EXTENSION							
sts as `LOCAL_DEVICETRUST_LICENSE_COUNT` for the local agent.									
License Expiry Date									
Determines the date that the deviceTRUST license expires. Static prope	✓	✓							

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DEVICETRUST	AGENT	CLIENT EXTENSION							
rty with datetime data type. Persists as `LOCAL_DEVICETRUST_LICENSE_EXPIRYDATE` for the local agent.									
License Issue Date									
Determines the date that the deviceTR	✓	✓							

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DEVICETRUST	AGENT	CLIENT EXTENSION							
UST license was issued. Static property with datetime data type. Persists as `LOCAL_DEVICETRUST_LICENSE_ISSUEDATE` for the local agent.									
License Type									

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DEVICETRUST	AGENT	CLIENT EXTENSION							
Determines the deviceTRUST license type. Static property with text data type. Persists as `LOCAL_DEVICETRUST_LICENSE_TYPE` for the local agent.	✓	✓							
License Unit									

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DEVICETRUST	AGENT	CLIENT EXTENSION						
Determines the deviceTRUST licensable unit, e.g. a User or Device. Static property with enum data type with options User, Device, Unlimited. Persists as `LOCAL_DEVICETRUST_L`	✓	✓						

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DEVICETRUST	AGENT	CLIENT EXTENSION							
`ICENSE_UNIT` for the local agent.									
License Valid									
Determines whether the deviceTRUST license is valid. Static property with boolean data type. Persists as `LOCAL_D`	✓	✓							

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DEVICETRUST	AGENT	CLIENT EXTENSION							
`EVICETRUST_LICENSE_VALID` for the local agent.									
Version									
The version of the deviceTRUST software. Static property with version data type. Persists as `LOCAL_D`	✓	✓	✓	✓	✓		✓	✓	✓

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DEVICETRUST	AGENT	CLIENT EXTENSION							
`EVICETRUST_VERSION` for the local agent and `REMOTE_DEVICETRUST_VERSION` for the remote device.									

Display Properties

DISPLAY	AGENT	CLIENT EXTENSION							
Describes the displays	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTo	Unicon™ eLux

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DISPLAY	AGENT	CLIENT EXTENSION							
available to the user session.								uch OS	
Adapter Product									
The product name of the display adapter. Realtime property with text data type. Persists as `LOCAL_DISPLAY_X_ADA`	✓	✓	✓						

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DISPLAY	AGENT	CLIENT EXTENSION							
`PTER_PRODUCT` for the local agent and `REMOTE_DISPLAY_X_ADAPTER_PRODUCT` for the remote device.									
Adapter Vendor									
The vendor of the display adapter. Realti	✓	✓	✓						

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DISPLAY	AGENT	CLIENT EXTENSION							
me property with text data type. Persists as `LOCAL_DISPLAY_X_ADAPTER_VENDOR` for the local agent and `REMOTE_DISPLAY_X_ADAPTER_VENDOR` for the remote device.									

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DISPLAY	AGENT	CLIENT EXTENSION							
BPP									
The number of bits per pixel. Realtime property with number data type. Persists as `LOCAL_DISPLAY_X_BPP` for the local agent and `REMOTE_DISPLAY_X_BPP` for the	✓	✓	✓	✓	✓		✓	✓	✓

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DISPLAY	AGENT	CLIENT EXTENSION							
remote device.									
Count									
The number of displays. Realtime property with number data type. Persists as `LOCAL_DISPLAY_COUNT` for the local agent and `REMOTE_`	✓	✓	✓	✓	✓		✓	✓	✓

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DISPLAY	AGENT	CLIENT EXTENSION							
`DISPLAY_COUNT` for the remote device.									
DPI									
The number of dots per inch. Realtime property with number data type. Persists as `LOCAL_DISPLAY_X_DPI` for	✓	✓	✓		✓		✓		✓

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DISPLAY	AGENT	CLIENT EXTENSION							
the local agent and `REMOTE_DISPLAY_X_DPI` for the remote device.									
Height									
The height of the screen in pixels. Realtime property with number data type. Persi	✓	✓	✓	✓	✓		✓	✓	✓

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DISPLAY	AGENT	CLIENT EXTENSION							
sts as `LOCAL_DISPLAY_X_HEIGHT` for the local agent and `REMOTE_DISPLAY_X_HEIGHT` for the remote device.									
Monitor External									
Set to true when the monit	✓	✓	✓						

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DISPLAY	AGENT	CLIENT EXTENSION
or is external to the device. Realtime property with boolean data type. Persists as `LOCAL_DISPLAY_X_MONITOR_EXTERNAL` for the local agent and `REMOTE_DISPLAY_X_MONITO`		

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DISPLAY	AGENT	CLIENT EXTENSION							
`R_EXTERNAL` for the remote device.									
Monitor Product									
The monitors product name. Realtime property with text data type. Persists as `LOCAL_DISPLAY_X`	✓	✓	✓						

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DISPLAY	AGENT	CLIENT EXTENSION							
`_MONITOR_PRODUCT` for the local agent and `REMOTE_DISPLAY_X_MONITOR_PRODUCT` for the remote device.									
Monitor Serial Number									
The serial number of the monitor.	✓	✓	✓						

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DISPLAY	AGENT	CLIENT EXTENSION
Realtime property with text data type. Persists as `LOCAL_DISPLAY_X_MONITOR_SERIALNUMBER` for the local agent and `REMOTE_DISPLAY_X_MONITOR_SERIALNUMBER` for the		

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DISPLAY	AGENT	CLIENT EXTENSION							
remote device.									
Monitor Vendor									
The vendor of the monitor. Realtime property with text data type. Persists as `LOCAL_DISPLAY_X_MONITOR_VENDOR` for the	✓	✓	✓						

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DISPLAY	AGENT	CLIENT EXTENSION							
local agent and `REMOTE_DISPLAY_X_MONITOR_VENDOR` for the remote device.									
Name									
The name of the display adapter. Realtime property with text data type. Persi	✓				✓		✓	✓	✓

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DISPLAY	AGENT	CLIENT EXTENSION							
sts as `LOCAL_DISPLAY_X_NAME` for the local agent and `REMOTE_DISPLAY_X_NAME` for the remote device.									
Width									
The width of the screen in pixels. Realtime prope	✓	✓	✓	✓	✓		✓	✓	✓

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DISPLAY	AGENT	CLIENT EXTENSION							
rty with number data type. Persists as `LOCAL_DISPLAY_X_WIDTH` for the local agent and `REMOTE_DISPLAY_X_WIDTH` for the remote device.									

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Domain Properties

DOMAIN	AGENT	CLIENT EXTENSION							
Describes the domain membership of the endpoint.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
DNS									
The Domain Name System (DNS) name of the domain. Static property with text data type. Persi	✓	✓	✓						

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DOMAIN	AGENT	CLIENT EXTENSION							
sts as `LOCAL_DOMAIN_DNS` for the local agent and `REMOTE_DOMAIN_DNS` for the remote device.									
ID									
A unique identifier of the domain. When joined to	✓	✓							

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DOMAIN	AGENT	CLIENT EXTENSION
Active Directory this is the domain SID. When joined to Microsoft Entra ID this is the tenant id. Static property with text data type. Persists as `LOCAL_DOMAIN_ID` for the		

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DOMAIN	AGENT	CLIENT EXTENSION							
local agent and `REMOTE_DOMAIN_ID` for the remote device.									
Join									
Determines the type of domain that is joined. Static property with enum data type with options None	✓	✓	✓						

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DOMAIN	AGENT	CLIENT EXTENSION							
, Workgroup , Domain, Entra ID. Persists as `LOCAL_DOMAIN_JOIN` for the local agent and `REMOTE_DOMAIN_JOIN` for the remote device.									
Name									

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DOMAIN	AGENT	CLIENT EXTENSION							
The name of the domain. Static property with text data type. Persists as `LOCAL_DOMAIN_NAME` for the local agent and `REMOTE_DOMAIN_NAME` for the remote device.	✓	✓	✓						

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eLux® Properties

ELUX	AGENT	CLIENT EXTENSION							
	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon eLux
Environment Variable Count									
The number of ELUX environment variables. Static property with number data type. Persists									✓

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ELUX	AGENT	CLIENT EXTENSION							
as `REMOTE_ELUX_ENVIRONMENT_COUNT` for the remote device.									
Environment Variable Name									
The name of the ELUX environment variable. Static property									✓

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ELUX	AGENT	CLIENT EXTENSION							
with text data type. Persists as `REMOTE_ELUX_ENVIRONMENT_X_NAME` for the remote device.									
Environment Variable Value									
The value of the ELUX environment									✓

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ELUX	AGENT	CLIENT EXTENSION							
variable. Static property with text, number, boolean, datetime, ip data types. Persists as `REMOTE_ELUX_ENVIRONMENT_X_VALUE` for the remote device.									
Host ID									

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ELUX	AGENT	CLIENT EXTENSION							
The Host ID assigned to the eLux device. Static property with text data type. Persists as `REMOTE_ELUX_HOSTID` for the remote device.									✓
Info1									
The Info1 property of									✓

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ELUX	AGENT	CLIENT EXTENSION							
the eLux device. Static property with text data type. Persists as `REMOTE_ELUX_INFO1` for the remote device.									
Info2									
The Info2 property of the eLux device. Static prope									✓

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ELUX	AGENT	CLIENT EXTENSION							
rty with text data type. Persists as `REMOTE_ELUX_INFO2` for the remote device.									
Info3									
The Info3 property of the eLux device. Static property with text data type. Persi									✓

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ELUX	AGENT	CLIENT EXTENSION							
sts as `REMOTE_ELUX_INFO3` for the remote device.									
Organization Unit ID									
The ID property of the Organization Unit containing the eLux device. Static property									✓

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ELUX	AGENT	CLIENT EXTENSION							
with number data type. Persists as `REMOTE_ELUX_OU_ID` for the remote device.									
Scout Cert Serial									
The serial number of the certificate used to connect to the eLux Scout									✓

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ELUX	AGENT	CLIENT EXTENSION							
server. Static property with text data type. Persists as `REMOTE_ELUX_SCOUT_CERTIFICATE_SERIALNUMBER` for the remote device.									
Scout Cert Subject									
The subje									✓

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ELUX	AGENT	CLIENT EXTENSION							
ct of the certificate used to connect to the eLux Scout server. Static property with text data type. Persists as `REMOTE_ELUX_SCOUT_CERTIFICATE_SUBJECT` for the remote									

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ELUX	AGENT	CLIENT EXTENSION							
device.									
Scout Cert Thumbprint SHA 256									
The SHA 256 thumbprint of the certificate used to connect to the eLux Scout server. Static property with text data type. Persists as `REM`									✓

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ELUX	AGENT	CLIENT EXTENSION							
`OTE_ELUX_SCOUT_CERTIFICATE_THUMBPRINT_SHA256` for the remote device.									
Scout IP									
The IP address of the eLux Scout server. Static property with text data type.									✓

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ELUX	AGENT	CLIENT EXTENSION							
Persists as `REMOTE_ELUX_SCOUT_IP` for the remote device.									
Scout Name									
The name of the eLux Scout server. Static property with text data type. Persists as `REM`									✓

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ELUX	AGENT	CLIENT EXTENSION							
`OTE_ELUX_SCOUT_NAME` for the remote device.									
Scout Version									
The version number of the eLux Scout server. Static property with version data type. Persists as									✓

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ELUX AGENT CLIENT EXTENSION									
`REMOTE_ELUX_SCOUT_VERSION` for the remote device.									

Hardware Properties

HARDWARE AGENT CLIENT EXTENSION									
Describes the hardware and its capabilities.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
BIOS Rele									

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HARDWARE	AGENT	CLIENT EXTENSION							
ase Date									
The date of release of the BIOS. Static property with datetime data type. Persists as `LOCAL_HARDWARE_BIOS_RELEASE_DATE` for the local agent and `REMOTE_`	✓	✓			✓		✓	✓	✓

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HARDWARE	AGENT	CLIENT EXTENSION							
`HARDWARE_BIOS_RELEASEDATE` for the remote device.									
BIOS Serial Number									
The serial number of the BIOS of the device. Static property with text data type. Persists	✓	✓	✓		✓	✓	✓	✓	✓

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HARDWARE	AGENT	CLIENT EXTENSION							
as `LOCAL_HARDWARE_BIOS_SERIAL` for the local agent and `REMOTE_HARDWARE_BIOS_SERIAL` for the remote device.									
BIOS Version									
The version number of the	✓	✓	✓		✓		✓	✓	✓

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HARDWARE	AGENT	CLIENT EXTENSION							
BIOS. Static property with version data type. Persists as `LOCAL_HARDWARE_BIOS_VERSION` for the local agent and `REMOTE_HARDWARE_BIOS_VERSION` for the remote									

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HARDWARE	AGENT	CLIENT EXTENSION							
device.									
CPU									
The CPU available on the device. Static property with text data type. Persists as `LOCAL_HARDWARE_CPU` for the local agent and `REMOTE_HARDWARE`	✓	✓	✓		✓	✓	✓	✓	✓

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HARDWARE	AGENT	CLIENT EXTENSION							
`_CPU` for the remote device.									
CPU Count									
The number of CPUs. Static property with number data type. Persists as `LOCAL_HARDWARE_CPU_COUNT` for the local	✓	✓	✓	✓	✓	✓	✓	✓	✓

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HARDWARE	AGENT	CLIENT EXTENSION							
agent and `REMOTE_HARDWARE_CPU_COUNT` for the remote device.									
CPU Speed									
The speed of the CPU in Mhz. Static property with number data type. Persists	✓	✓	✓		✓		✓	✓	✓

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HARDWARE	AGENT	CLIENT EXTENSION							
as `LOCAL_HARDWARE_CPU_SPEED` for the local agent and `REMOTE_HARDWARE_CPU_SPEED` for the remote device.									
Lid									
This real-time property determines if the	✓	✓	✓		✓		✓	✓	✓

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HARDWARE	AGENT	CLIENT EXTENSION
lid of the device is open or closed. Realtime property with enum data type with options Open, Closed. Persists as `LOCAL_HARDWARE_LID` for the local agent and `REM`		

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HARDWARE	AGENT	CLIENT EXTENSION							
`OTE_HARDWARE_LID` for the remote device.									
Model									
The model of the device. Static property with text data type. Persists as `LOCAL_HARDWARE_MODEL` for the	✓	✓	✓	✓	✓	✓	✓	✓	✓

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HARDWARE	AGENT	CLIENT EXTENSION							
local agent and `REMOTE_HARDWARE_MODEL` for the remote device.									
Role									
The role of the device, such as Laptop, Tablet or Desktop. Static property with enum data	✓	✓	✓		✓		✓		✓

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HARDWARE	AGENT	CLIENT EXTENSION							
type with options Server, Desktop, Laptop, Tablet, Virtual. Persists as `LOCAL_HARDWARE_ROLE` for the local agent and `REMOTE_HARDWARE_ROLE` for the remote									

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HARDWARE	AGENT	CLIENT EXTENSION							
device.									
Secure Boot									
Determines if the device was booted using secure boot. Static property with boolean data type. Persists as `LOCAL_HARDWARE_SECUREBO`	✓	✓		✓	✓		✓	✓	✓

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HARDWARE	AGENT	CLIENT EXTENSION							
`OT` for the local agent and `REMOTE_HARDWARE_SECUREBOOT` for the remote device.									
System Memory									
The amount of physical memory in MB. Static property with	✓	✓	✓	✓	✓		✓	✓	✓

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HARDWARE	AGENT	CLIENT EXTENSION							
number data type. Persists as `LOCAL_HARDWARE_SYSTEMMEMORY` for the local agent and `REMOTE_HARDWARE_SYSTEMMEMORY` for the remote device.									
Vendor									

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HARDWARE	AGENT	CLIENT EXTENSION							
The vendor of the device. Static property with text data type. Persists as `LOCAL_HARDWARE_VENDOR` for the local agent and `REMOTE_HARDWARE_VENDOR` for the remote	✓	✓	✓	✓	✓	✓	✓	✓	✓

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HARDWARE	AGENT	CLIENT EXTENSION							
device.									
Virtualization									
The type of virtualization used to host the device. Static property with enum data type with options None, VMware, Xen®, VirtualPC, Parall	✓	✓	✓		✓		✓		✓

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HARDWARE	AGENT	CLIENT EXTENSION							
els, VirtualBox, Hyper-V. Persists as `LOCAL_HARDWARE_VIRTUALIZATION` for the local agent and `REMOTE_HARDWARE_VIRTUALIZATION` for the remote device.									

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IGEL Properties

IGEL	AGENT	CLIENT EXTENSION							
Provides properties unique to an IGEL device.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	IGEL OS
COSMOS Cert Count									
The number of certificates from the COSMOS chain of trust. Available with IGEL OS 12.							✓		

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IGEL	AGENT	CLIENT EXTENSION							
Static property with number data type. Persists as `REMOTE_IGEL_COSMOS_CERTIFICATE_COUNT` for the remote device.									
COS MOS Cert Serial									
The serial number of the							✓		

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IGEL	AGENT	CLIENT EXTENSION							
certificate from the COS MOS chain of trust. Available with IGEL OS 12. Static property with text data type. Persists as `REMOTE_IGEL_COSMOS_CERTIFICATE_X_SERIALNUMBER`									

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IGEL	AGENT	CLIENT EXTENSION							
for the remote device.									
COSMOS Cert Subject									
The subject of the certificate from the COSMOS chain of trust. Available with IGEL OS 12. Static property with text data							✓		

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IGEL	AGENT	CLIENT EXTENSION							
type. Persists as `REMOTE_IGEL_COSMOS_CERTIFICATE_X_SUBJECT` for the remote device.									
COSMOS Cert Thumbprint SHA 256									
The SHA 256 thumbprint of the certificate							✓		

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IGEL	AGENT	CLIENT EXTENSION							
from the COSMOS chain of trust. Available with IGEL OS 12. Static property with text data type. Persists as `REMOTE_IGEL_COSMOS_CERTIFICATE_X_THUMBPRINT_SHA256` for									

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IGEL	AGENT	CLIENT EXTENSION							
the remote device.									
COSMOS Server									
The name and port of the COSMOS server. Available with IGEL OS 12. Static property with text data type. Persists as `REMOTE_`							✓		

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IGEL	AGENT	CLIENT EXTENSION							
`IGEL_COSMOS_SERVER` for the remote device.									
Environment Variable Count									
The number of IGEL environment variables. Static property with number data type. Persi							✓		

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IGEL	AGENT	CLIENT EXTENSION							
sts as `REMOTE_IGEL_ENVIRONMENT_COUNT` for the remote device.									
Environment Variable Name									
The name of the IGEL environment variable. Static property							✓		

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IGEL	AGENT	CLIENT EXTENSION							
with text data type. Persists as `REMOTE_IGEL_ENVIRONMENT_X_NAME` for the remote device.									
Environment Variable Type									
Determines whether IGEL environme							✓		

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IGEL	AGENT	CLIENT EXTENSION
nt variable is fixed or dynamic. Static property with enum data type with options Fixed, Dynamic. Persists as `REMOTE_IGEL_ENVIRONMENT_X_TYPE` for the remote		

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IGEL	AGENT	CLIENT EXTENSION							
device.									
Environment Variable Value									
The value of the IGEL environment variable. Static property with text, number, boolean, datetime, ip data types. Persists as `REM`							✓		

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IGEL	AGENT	CLIENT EXTENSION							
`OTE_IGEL_ENVIRONMENT_X_VALUE` for the remote device.									
ICG Cert Serial									
The serial number of the certificate used to connect to the ICG server. Available with IGEL							✓		

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IGEL	AGENT	CLIENT EXTENSION							
OS 11 and earlier. Static property with text data type. Persists as `REMOTE_IGEL_ICG_CERTIFICATE_SERIALNUMBER` for the remote device.									
ICG Cert Subject									

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IGEL	AGENT	CLIENT EXTENSION							
The subject of the certificate used to connect to the ICG server. Available with IGEL OS 11 and earlier. Static property with text data type. Persists as `REMOTE_IGEL_ICG`							✓		

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IGEL	AGENT	CLIENT EXTENSION							
`_CERTIFICATE_SUBJECT` for the remote device.									
ICG Cert Thumbprint SHA 256									
The SHA 256 thumbprint of the certificate used to connect to the ICG server. Available							✓		

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IGEL	AGENT	CLIENT EXTENSION							
with IGEL OS 11 and earlier. Static property with text data type. Persists as `REMOTE_IGEL_ICG_CERTIFICATE_THUMBPRINT_SHA256` for the remote device.									

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IGEL	AGENT	CLIENT EXTENSION							
ICG Server									
The name of the ICG server. Available with IGEL OS 11 and earlier. Static property with text data type. Persists as `REMOTE_IGEL_ICG_SERVER` for the							✓		

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IGEL	AGENT	CLIENT EXTENSION							
remote device.									
Structure Tag									
The structure tag of the IGEL device. Static property with text data type. Persists as `REMOTE_IGEL_STRUCTURETAG` for the remote							✓		

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IGEL	AGENT	CLIENT EXTENSION							
device.									
UMS Cert Serial									
The serial number of the certificate used to connect to the UMS server. Available with IGEL OS 11 and earlier. Static property with text data type.							✓		

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IGEL	AGENT	CLIENT EXTENSION							
Persists as `REMOTE_IGEL_UMS_CERTIFICATE_SERIALNUMBER` for the remote device.									
UMS Cert Subject									
The subject of the certificate used to connect to the UMS							✓		

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IGEL	AGENT	CLIENT EXTENSION							
server. Available with IGEL OS 11 and earlier. Static property with text data type. Persists as `REMOTE_IGEL_UMS_CERTIFICATE_SUBJECT` for the remote device.									

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IGEL	AGENT	CLIENT EXTENSION							
UMS Cert Thumbprint SHA 256									
The SHA 256 thumbprint of the certificate used to connect to the UMS server. Available with IGEL OS 11 and earlier. Static property with text							✓		

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IGEL	AGENT	CLIENT EXTENSION							
data type. Persists as `REMOTE_IGEL_UMS_CERTIFICATE_THUMBPRINT_SHA256` for the remote device.									
UMS Server									
The name and port of the UMS server. Avail							✓		

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IGEL	AGENT	CLIENT EXTENSION							
able with IGEL OS 11 and earlier. Static property with text data type. Persists as `REMOTE_IGEL_UMS_SERVER` for the remote device.									

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Input Properties

INPUT	AGENT	CLIENT EXTENSION							
Describes the input devices available to the user session.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Keyboard									
Set to true when the remote device has a keyboard available. Dynamic property with	✓	✓	✓	✓	✓		✓	✓	✓

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INPUT	AGENT	CLIENT EXTENSION							
boolean data type. Persists as `LOCAL_INPUT_KEYBOARD` for the local agent and `REMOTE_INPUT_KEYBOARD` for the remote device.									
Mouse									
Set to true when	✓	✓	✓	✓	✓		✓	✓	✓

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INPUT	AGENT	CLIENT EXTENSION							
the remote device has a mouse. Dynamic property with boolean data type. Persists as `LOCAL_INPUT_MOUSE` for the local agent and `REMOTE_INPUT_MOUSE` for the									

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INPUT	AGENT	CLIENT EXTENSION							
remote device.									
Pen									
Set to true when the remote device has a pen. Dynamic property with boolean data type. Persists as `LOCAL_INPUT_PEN` for the local agent	✓	✓	✓	✓	✓		✓	✓	✓

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INPUT	AGENT	CLIENT EXTENSION							
and `REMOTE_INPUT_PEN` for the remote device.									
Touch									
Set to true when the remote device has a touch screen. Dynamic property with boolean data type. Persi	✓	✓	✓	✓	✓		✓	✓	✓

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INPUT	AGENT	CLIENT EXTENSION							
sts as `LOCAL_INPUT_TOUCH` for the local agent and `REMOTE_INPUT_TOUCH` for the remote device.									

iOS Properties

IOS	AGENT	CLIENT EXTENSION							
Provides properties uniqu	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTo	Unicon™ eLux

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IOS	AGENT	CLIENT EXTENSION							
e to an Apple iOS endpoint.								uch OS	
Biometrics									
Determines the biometrics configured to authenticate the user. Static property with enum data type with options None, TouchID, FaceID.				✓					

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IOS	AGENT	CLIENT EXTENSION							
Persists as `REMOTE_IOS_BIOMETRICS` for the remote device.									
Jailbroken									
Determines whether the device has been jailbroken. Static property with boolean data				✓					

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IOS	AGENT	CLIENT EXTENSION							
type. Persists as `REMOTE_IOS_JAILBROKEN` for the remote device.									
Passcode									
Determines whether a passcode is required to unlock the iOS device. Static prope				✓					

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IOS	AGENT	CLIENT EXTENSION							
rty with boolean data type. Persists as `REMOTE_IOS_PASSCODE` for the remote device.									

Location Properties

LOCATION	AGENT	CLIENT EXTENSION							
Describes the geographical location of	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux

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LOCATION	AGENT	CLIENT EXTENSION							
the endpoint.									
Accuracy									
The accuracy of the latitude and longitude values. Realtime property with number data type. Persists as `LOCAL_LOCATION_ACCURACY` for	✓	✓	✓	✓	✓		✓	✓	✓

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LOCATION	AGENT	CLIENT EXTENSION							
the local agent and `REMOTE_LOCATION_ACCURACY` for the remote device.									
Building									
The building where the device is located. Realtime property with text data type.	✓	✓	✓	✓	✓		✓	✓	✓

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LOCATION	AGENT	CLIENT EXTENSION							
Persists as `LOCAL_LOCATION_BUILDING` for the local agent and `REMOTE_LOCATION_BUILDING` for the remote device.									
Country									
The country code where the devic	✓	✓	✓	✓	✓		✓	✓	✓

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LOCATION	AGENT	CLIENT EXTENSION							
e is located. Realtime property with text data type. Persists as `LOCAL_LOCATION_COUNTRY` for the local agent and `REMOTE_LOCATION_COUNTRY` for the remote device.									

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LOCATION	AGENT	CLIENT EXTENSION							
County									
The county where the device is located. Realtime property with text data type. Persists as `LOCAL_LOCATION_COUNTY` for the local agent and `REMOTE_LOCA`	✓	✓	✓	✓	✓		✓	✓	✓

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LOCATION	AGENT	CLIENT EXTENSION							
`TION_COUNTY` for the remote device.									
Position									
The geographical position as determined by the latitude and longitude of the device. Realtime property with position	✓	✓	✓	✓	✓		✓	✓	✓

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LOCATION	AGENT	CLIENT EXTENSION							
data type. Persists as `LOCAL_LOCATION_POSITION` for the local agent and `REMOTE_LOCATION_POSITION` for the remote device.									
Postcode									
The postcode where the	✓	✓	✓	✓	✓		✓	✓	✓

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LOCATION	AGENT	CLIENT EXTENSION
device is located. Realtime property with text data type. Persists as `LOCAL_LOCATION_POSTCODE` for the local agent and `REMOTE_LOCATION_POSTCODE` for the remote		

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LOCATION	AGENT	CLIENT EXTENSION							
device.									
Provider									
The provider that was used to determine the position. Realtime property with enum data type with options Third Party, Operating System. Persists as	✓	✓	✓	✓	✓		✓	✓	✓

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LOCATION	AGENT	CLIENT EXTENSION							
`LOCAL_LOCATION_PROVIDER` for the local agent and `REMOTE_LOCATION_PROVIDER` for the remote device.									
Source									
The source used by the provider to determine	✓	✓	✓	✓	✓		✓	✓	✓

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LOCATION	AGENT	CLIENT EXTENSION
the position. Realtime property with enum data type with options Cellular, Satellite, Wi-Fi, IP Address. Persists as `LOCAL_LOCATION_SOURCE` for the local agent and `REM`		

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LOCATION	AGENT	CLIENT EXTENSION							
`OTE_LOCATION_SOURCE` for the remote device.									
State									
The state where the device is located. Realtime property with text data type. Persists as `LOCAL_LOCATION_`	✓	✓	✓	✓	✓		✓	✓	✓

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LOCATION	AGENT	CLIENT EXTENSION							
`STATE` for the local agent and `REMOTE_LOCATION_STATE` for the remote device.									
Street									
The street where the device is located. Realtime property with text	✓	✓	✓	✓	✓		✓	✓	✓

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LOCATION	AGENT	CLIENT EXTENSION							
data type. Persists as `LOCAL_LOCATION_STREET` for the local agent and `REMOTE_LOCATION_STREET` for the remote device.									
Town									
The town where the device is	✓	✓	✓	✓	✓		✓	✓	✓

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LOCATION	AGENT	CLIENT EXTENSION							
located. Realtime property with text data type. Persists as `LOCAL_LOCATION_TOWN` for the local agent and `REMOTE_LOCATION_TOWN` for the remote device.									
Url									

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LOCATION	AGENT	CLIENT EXTENSION							
A URL displaying the location of the device. Realtime property with text data type. Persists as `LOCAL_LOCATION_URL` for the local agent and `REMOTE_LOCATION_URL` for	✓	✓	✓	✓	✓		✓	✓	✓

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LOCATION	AGENT	CLIENT EXTENSION							
the remote device.									

Logical Disk Properties

LOGICAL DISK	AGENT	CLIENT EXTENSION							
Describes the logical disks available to the user.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Bus Type									
Set to the name of the bus that the device is	✓	✓	✓		✓		✓	✓	✓

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
connected, e.g. SATA, SCSI, USB, NVme, etc. Realtime property with enum data type with options SCSI, ATAPI, ATA, IEEE 1394, SSA, Fibre Channel, USB, RAID, iSCSI									

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
, SAS, SATA, Secure Digital, Multimedia Card, Virtual, File Backed Virtual, Storage Spaces, NVMe, PCI, Bluetooth, IP, Unspecified. Persists as `LOCAL_L`									

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
`OGICALDISK_X_BUSTYPE` for the local agent and `REMOTE_LOGICALDISK_X_BUSTYPE` for the remote device.									
Count									
The number of logical disks. Realtime property	✓	✓	✓		✓		✓	✓	✓

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
with number data type. Persists as `LOCAL_LOGICALDISK_COUNT` for the local agent and `REMOTE_LOGICALDISK_COUNT` for the remote device.									
Drive									
The drive wher	✓	✓							

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
e the logical disk is mounted. Realtime property with text data type. Persists as `LOCAL_LOGICALDISK_X_DRIVE` for the local agent and `REMOTE_LOGICALDISK_X_DRIVE`									

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
for the remote device.									
Encrypted									
Determines whether the disk is encrypted with Microsoft BitLocker Drive Encryption. Realtime property with boolean data type. Persi	✓	✓							

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
sts as `LOCAL_LOGICALDISK_X_ENCRYPTED` for the local agent and `REMOTE_LOGICALDISK_X_ENCRYPTED` for the remote device.									
Filesystem									
The underlying	✓	✓	✓		✓		✓	✓	✓

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
filesystem. Realtime property with text data type. Persists as `LOCAL_LOGICALDISK_X_FILESYSTEM` for the local agent and `REMOTE_LOGICALDISK_X_FILESYSTEM` for the remot									

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
e device.									
Flags									
Flags associated with the logical disk. Realtime property with flags data type with options Not Ready, Preserved Name, Case Sensitive Search,	✓	✓							

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
Dax Volume, Supports Compression, Named Streams, Persistent Acls, Read Only, Sequential Write Once, Supports Encryption, Extended Attributes, Hard Links, Object Ids, Open									

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
By File Id, Reparse Points, Sparse Files, Transactions, Usn Journal, Unicode Filenames, Is Compressed, Supports Quotas. Persists as `LOCAL_LOGICALDISK_X_FLA`									

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
`GS` for the local agent and `REMOTE_LOGICALDISK_X_FLAGS` for the remote device.									
Free									
The free space as a percentage of the total space. This is only avail	✓	✓	✓		✓		✓	✓	✓

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
able on mounted volumes. Realtime property with number data type. Persists as `LOCAL_LOGICALDISK_X_FREE` for the local agent and `REMOTE_LOGICALDISK_X_FREE` for									

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
the remote device.									
Free MB									
The free / available size in MB. This is only available on mounted volumes. Realtime property with number data type. Persists as	✓	✓	✓		✓		✓	✓	✓

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
`LOCAL_LOGICALDISK_X_FREEMB` for the local agent and `REMOTE_LOGICALDISK_X_FREEMB` for the remote device.									
Hidden									
Set to true if the logical disk is	✓	✓							

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
hidden. Realtime property with boolean data type. Persists as `LOCAL_LOGICALDISK_X_HIDDEN` for the local agent and `REMOTE_LOGICALDISK_X_HIDDEN` for the remote									

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
device.									
Identity									
Enter one or more vendor id, product id or serial number to identify each disk. Realtime property with text data type. Persists as `LOCAL_LOGICALDISK_X`	✓	✓	✓		✓		✓	✓	✓

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
`_ID ENTITY` for the local agent and `REMOTE_LOGICALDISK_X_ID ENTITY` for the remote device.									
Label									
The volume label associated with the logical disk.	✓	✓	✓		✓		✓	✓	✓

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
Realtime property with text data type. Persists as `LOCAL_LOGICALDISK_X_LABEL` for the local agent and `REMOTE_LOGICALDISK_X_LABEL` for the remote device.									

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
Name									
The name of the logical disk as seen within Device Manager. Realtime property with text data type. Persists as `LOCAL_LOGICALDISK_X_NAME` for the local agent	✓	✓	✓		✓		✓	✓	✓

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
and `REMOTE_LOGICALDISK_X_NAME` for the remote device.									
Path									
The path where the disk is mounted. Realtime property with text data type. Persists as `LOC`	✓	✓	✓		✓		✓	✓	✓

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
`AL_LOGICALDISK_X_PATH` for the local agent and `REMOTE_LOGICALDISK_X_PATH` for the remote device.									
Product Id									
For USB connected disks, this is the USB produ	✓	✓	✓		✓		✓	✓	✓

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LOGICAL DISK	AGENT	CLIENT EXTENSION
ct id. For PCI connected disks, this is the device id. Realtime property with text data type. Persists as `LOCAL_LOGICALDISK_X_PRODUCT_ID` for the local agent and `REMOTE_LOGI`		

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
`CALDISK_X_PRODUCT_ID` for the remote device.									
Serial Number									
The serial number of the physical disk. Realtime property with text data type. Persists as `LOCAL_L`	✓	✓	✓		✓		✓	✓	✓

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
`OGICALDISK_X_SERIALNUMBER` for the local agent and `REMOTE_LOGICALDISK_X_SERIALNUMBER` for the remote device.									
System									
Determines whether the	✓	✓	✓						

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LOGICAL DISK	AGENT	CLIENT EXTENSION
disk is the system drive, i.e. if it contains the Operating System installation. Realtime property with boolean data type. Persists as `LOCAL_LOGICALDISK_X_SYSTEM` for the		

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
local agent and `REMOTE_LOGICALDISK_X_SYSTEM` for the remote device.									
Total MB									
The total size in MB of the logical disk. This is only available on mounted volu	✓	✓	✓		✓		✓	✓	✓

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LOGICAL DISK	AGENT	CLIENT EXTENSION
mes. Realtime property with number data type. Persists as `LOCAL_LOGICALDISK_X_TOTALMB` for the local agent and `REMOTE_LOGICALDISK_X_TOTALMB` for the remote		

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
device.									
Type									
The type of the logical disk, such as Fixed, Removable, or Portable Device. Realtime property with enum data type with options Unknown, No Root Direc	✓	✓	✓		✓		✓	✓	✓

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
tory, Removable, Fixed, Remote, Cdrom, RAM Disk, Portable Device. Persists as `LOCAL_LOGICALDISK_X_TYPE` for the local agent and `REMOTE_LOGICALDISK_X_TYPE`									

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
for the remote device.									
Vendor Id									
The vendor id of the logical disk for USB or PCI connected disks. Realtime property with text data type. Persists as `LOCAL_LOGIC`	✓	✓	✓		✓		✓	✓	✓

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
`ALDISK_X_VENDOR_ID` for the local agent and `REMOTE_LOGICALDISK_X_VENDOR_ID` for the remote device.									
Volume Id									
The id of the volume. Realtime property	✓	✓			✓		✓		

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LOGICAL DISK	AGENT	CLIENT EXTENSION							
with text data type. Persists as `LOCAL_LOGICALDISK_X_VOLUME_ID` for the local agent and `REMOTE_LOGICALDISK_X_VOLUME_ID` for the remote device.									

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macOS Properties

MAC OS	AGENT	CLIENT EXTENSION							
Describes properties unique to an Apple macOS endpoint	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Gatekeeper									
Determines the Gatekeeper setting which defines the trust level of software that			✓						

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MAC OS	AGENT	CLIENT EXTENSION							
can run on the Mac. Static property with enum data type with options Anywhere, App Store and Identified Developers, App Store. Persists as `REMOTE_MACOS_GATEKEEPER` for									

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MAC OS	AGENT	CLIENT EXTENSION							
the remote device.									
iCloud Account									
The iCloud account associated with the logged in user. Static property with text data type. Persists as `REMOTE_MACOS_IC`			✓						

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MAC OS	AGENT	CLIENT EXTENSION							
`LOUD_ACCOUNT` for the remote device.									
Secure Virtual Memory									
Determines whether the swap file is encrypted. Static property with boolean data type. Persists as			✓						

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MAC OS	AGENT	CLIENT EXTENSION							
`REMOTE_MACOS_SECUREVIRTUALMEMORY` for the remote device.									
System Integrity Protection									
Determines whether System Integrity Protection is enabled, which			✓						

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MAC OS	AGENT	CLIENT EXTENSION							
helps protect Mac users from malicious software. Static property with boolean data type. Persists as `REMOTE_MACOS_SYSTEM INTEGRITYPROTECTION` for the remote device.									

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macOS Firewall Properties

MACOS FIREWALL	AGENT	CLIENT EXTENSION							
Provides real-time properties describing the state of the macOS Firewall	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Allow Signed Downloaded Inbound									
Determines whether the firewall is configured			✓						

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MAC OS FIREWALL	AGENT	CLIENT EXTENSION							
to allow signed downloaded software to receive inbound connections. Dynamic property with boolean data type. Persists as `REMOTE_MACOSFIREWALL_ALLOWSIGNEDDOW`									

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MAC OS FIREWALL	AGENT	CLIENT EXTENSION							
`NLOADINBOUND` for the remote device.									
Allow Signed Inbound									
Determines whether the firewall is configured to allow built in software to receive inbound connectio			✓						

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MAC OS FIREWALL	AGENT	CLIENT EXTENSION							
ns. Dynamic property with boolean data type. Persists as `REMOTE_MACOSFIREWALL_ALLOWSIGNEDINBOUND` for the remote device.									
Block All Inbound									
Determine			✓						

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MAC OS FIREWALL	AGENT	CLIENT EXTENSION							
s whether the firewall is configured to block all inbound connection. Dynamic property with boolean data type. Persists as `REMOTE_MACOSFIREWALL_BLOCKALLINBOUN`									

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MACOS FIREWALL	AGENT	CLIENT EXTENSION							
`D` for the remote device.									
Enabled									
Determines whether the firewall is enabled. Dynamic property with boolean data type. Persists as `REMOTE_MACOSFIR`			✓						

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MAC OS FIREWALL	AGENT	CLIENT EXTENSION							
`EWALL_ENABLED` for the remote device.									
Inbound Program Rules									
The firewall rules configured to allow programs to receive inbound connections. Dynamic prope			✓						

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MAC OS FIREWALL	AGENT	CLIENT EXTENSION							
rty with text data type. Persists as `REMOTE_MACOSFIREWALL_INBOUNDRULES_PROGRAMS` for the remote device.									
Stealth Mode			✓						
Determines whether the firew			✓						

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MAC OS FIREWALL	AGENT	CLIENT EXTENSION							
all is configured to ignore ICMP packets. Dynamic property with boolean data type. Persists as `REMOTE_MACOSFIREWALL_STEALTHMODE` for the remote device.									

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macOS Update

MACOS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
Describes the status of macOS Software Update settings and updates.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Auto Check For Updates									
Set to true when macOS is configured to automatic			✓						

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MACOS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
ally check for updates. Realtime property with boolean data type. Persists as `REMOTE_MACOSUPDATE_AUTO_CHECK` for the remote device.									
Auto Download									

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MAC OS UPDATE PROPERTY	AGENT	CLIENT EXTENSION						
Updates								
Set to true when mac OS is configured to automatically download updates. Realtime property with boolean data type. Persists as `REMOTE_MACOSUPDATE_`			✓					

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MAC OS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
`AUTO_DOWNLOAD` for the remote device.									
Auto Install App Store Updates									
Set to true when mac OS is configured to automatically install App Store updates. Realti			✓						

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MACOS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
me property with boolean data type. Persists as `REMOTE_MACOSUPDATE_AUTO_INSTALL_APP STORE` for the remote device.									
Auto Install Data Updates									

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MACOS UPDATE PROPERTY	AGENT	CLIENT EXTENSION						
Set to true when mac OS is configured to automatically install system data files. Realtime property with boolean data type. Persists as `REMOTE_MACOSUPDATE_AUTO`			✓						

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MACOS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
`_INSTALL_DATA` for the remote device.									
Auto Install macOS Updates									
Set to true when macOS is configured to automatically install macOS updates.			✓						

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MACOS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
Realtime property with boolean data type. Persists as `REMOTE_MACOSUPDATE_AUTO_INSTALL_MACOS` for the remote device.									
Auto Install Security									

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MAC OS UPDATE PROPERTY	AGENT	CLIENT EXTENSION						
Updates								
Set to true when mac OS is configured to automatically install security updates. Realtime property with boolean data type. Persists as `REMOTE_MACOSUPD`			✓					

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MACOS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
`ATE_AUTO_INSTALL_SECURITY` for the remote device.									
Enabled									
Determines whether the Software Update service is running and the last attempt to			✓						

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MACOS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
update was successful. Realtime property with boolean data type. Persists as `REMOTE_MACOSUPDATE_ENABLED` for the remote device.									
Ignore									

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MACOS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
Update									
The name of any updates that are not to be installed. Realtime property with text data type. Persists as `REMOTE_MACOSUPDATE_IGNOREUPDATE` for the			✓						

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MAC OS UPDATE PROPERTY	AGENT	CLIENT EXTENSION						
remote device.								
Last Search								
The time that the Software Update service last checked for updates. Realtime property with datetime data type. Persists			✓					

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MAC OS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
as `REMOTE_MACOSUPDATE_LASTSEARCH` for the remote device.									
Update Count									
The number of updates that are waiting to be installed. Realtime prope			✓						

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MACOSUPDATEPROPERTY	AGENT	CLIENTEXTENSION							
rty with number data type. Persists as `REMOTE_MACOSUPDATE_UPDATE_COUNT` for the remote device.									
Update Name									
The name of the update that is waitin			✓						

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MACOS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
g to be installed. Realtime property with text data type. Persists as `REMOTE_MACOSUPDATE_UPDATE_X_NAME` for the remote device.									
Update Product Key									

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MACOS UPDATE PROPERTY	AGENT	CLIENT EXTENSION						
The product key of the update that is waiting to be installed. Realtime property with text data type. Persists as `REMOTE_MACOSUPDATE_UPDATE_X_PRODUCTKEY` for			✓						

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MACOS UPDATE PROPERTY	AGENT	CLIENT EXTENSION						
the remote device.								
Update Version								
The version of the update that is waiting to be installed. Realtime property with version data type. Persists as `REM`			✓					

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MACOS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
`OTE_MACOSUPDATE_UPDATE_X_VERSION` for the remote device.									
Version									
The version number of the Software Update service that last checked for updat			✓						

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MACOS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
es. Realtime property with version data type. Persists as `REMOTE_MACOSUPDATE_VERSION` for the remote device.									

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Mapped Drive Properties

MAPPED DRIVE	AGENT	CLIENT EXTENSION							
Describes the mapped drives available within a user session.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Count									
The number of mapped drives available. Dynamic property with number data	✓	✓							

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MAPPED DRIVE	AGENT	CLIENT EXTENSION							
type. Persists as `LOCAL_MAPPEDDRIVE_COUNT` for the local agent and `REMOTE_MAPPEDDRIVE_COUNT` for the remote device.									
Drive									
The drive where the mapped drive	✓	✓							

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MAPPED DRIVE	AGENT	CLIENT EXTENSION							
is mounted. Dynamic property with text data type. Persists as `LOCAL_MAPPEDDRIVE_X_DRIVE` for the local agent and `REMOTE_MAPPEDDRIVE_X_DRIVE` for the remote									

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MAPPED DRIVE	AGENT	CLIENT EXTENSION							
device.									
Hidden									
Set to true if the mapped drive is hidden. Dynamic property with boolean data type. Persists as `LOCAL_MAPPEDDRIVE_X_HIDDEN` for the	✓	✓							

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MAPPED DRIVE	AGENT	CLIENT EXTENSION							
local agent and `REMOTE_MAPPEDDRIVE_X_HIDDEN` for the remote device.									
Provider									
The provider of the mapped drive. Dynamic property with text data type. Persists	✓	✓							

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MAPPED DRIVE	AGENT	CLIENT EXTENSION							
as `LOCAL_MAPPEDDRIVE_X_PROVIDER` for the local agent and `REMOTE_MAPPEDDRIVE_X_PROVIDER` for the remote device.									
Server									
The name of the remote serve	✓	✓							

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MAPPED DRIVE	AGENT	CLIENT EXTENSION							
r. Dynamic property with text data type. Persists as `LOCAL_MAPPEDDRIVE_X_SERVER` for the local agent and `REMOTE_MAPPEDDRIVE_X_SERVER` for the remote device.									

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MAPPED DRIVE	AGENT	CLIENT EXTENSION							
Share									
The name of the share on the remote server. Dynamic property with text data type. Persists as `LOCAL_MAPPEDDRIVE_X_SHARE` for the local agent and `REM`	✓	✓							

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MAPPED DRIVE	AGENT	CLIENT EXTENSION							
`OTE_MAPPEDDRIVE_X_SHARE` for the remote device.									
User									
The name of the user authenticating the connection to the remote server. Dynamic property with text	✓	✓							

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MAPPED DRIVE	AGENT	CLIENT EXTENSION							
data type. Persists as `LOCAL_MAPPEDDRIVE_X_USER` for the local agent and `REMOTE_MAPPEDDRIVE_X_USER` for the remote device.									

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MDM Properties

MDM	AGENT	CLIENT EXTENSION							
Provides dynamic properties describing the current mobile device management (MDM) solution.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Identifier									
Identifies the MDM provider. Static property	✓	✓	✓						

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MDM	AGENT	CLIENT EXTENSION							
with text data type. Persists as `LOCAL_MDM_IDENTIFIER` for the local agent and `REMOTE_MDM_IDENTIFIER` for the remote device.									
Managed									
Set to true when	✓	✓	✓						

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MDM	AGENT	CLIENT EXTENSION							
the device is managed by an MDM provider. Static property with boolean data type. Persists as `LOCAL_MDM_MANAGED` for the local agent and `REMOTE_MDM_MANAGED` for the									

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MDM	AGENT	CLIENT EXTENSION							
remote device.									
Microsoft Intune Account ID									
For Microsoft Intune managed devices, this uniquely identifies the Intune instance. Static property with text data	✓	✓	✓						

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MDM	AGENT	CLIENT EXTENSION							
type. Persists as `LOCAL_MDM_INTUNE_ACCOUNTID` for the local agent and `REMOTE_MDM_INTUNE_ACCOUNTID` for the remote device.									
Microsoft Intune Device ID									

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MDM	AGENT	CLIENT EXTENSION							
For Microsoft Intune managed devices, this uniquely identifies the device. Static property with text data type. Persists as `LOCAL_MDM_INTUNE_DEVICEID` for the local	✓	✓	✓						

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MDM	AGENT	CLIENT EXTENSION							
agent and `REMOTE_MDM_INTUNE_DEVICEID` for the remote device.									

Multihop Properties

MULTIHOP	AGENT	CLIENT EXTENSION							
Describes the number of hops taken by the user over deviceTR	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon eLux

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MULTIHOP	AGENT	CLIENT EXTENSION							
UST connected sessions..									
Count									
The number of multihop properties. Static property with number data type. Persists as undefined.		✓							

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Name Properties

NAME	AGENT	CLIENT EXTENSION							
Identifies the endpoint.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
DN									
The Distinguished Name of the device within Active Directory. Static property with text data type. Persists as `LOCAL_N`	✓	✓	✓						

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NAME	AGENT	CLIENT EXTENSION							
`AME_DN` for the local agent and `REMOTE_NAME_DN` for the remote device.									
DNS									
The DNS name of the device. Static property with text data type. Persists as `LOC`	✓	✓	✓		✓		✓	✓	✓

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NAME	AGENT	CLIENT EXTENSION							
`AL_NAME_DNS` for the local agent and `REMOTE_NAME_DNS` for the remote device.									
ID									
An arbitrary identifier that uniquely identifies the endpoint. Static property	✓	✓	✓	✓	✓		✓	✓	✓

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NAME	AGENT	CLIENT EXTENSION							
with text data type. Persists as `LOCAL_ID` for the local agent and `REMOTE_ID` for the remote device.									
Name									
The name of the device. Static property with text	✓	✓	✓	✓	✓	✓	✓	✓	✓

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NAME	AGENT	CLIENT EXTENSION							
data type. Persists as `LOCAL_NAME` for the local agent and `REMOTE_NAME` for the remote device.									
SID									
The SID of the device within Active Directory. Static prope	✓	✓	✓						

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NAME	AGENT	CLIENT EXTENSION							
rty with text data type. Persists as `LOCAL_NAME_SID` for the local agent and `REMOTE_NAME_SID` for the remote device.									

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Network Properties

NETWORK	AGENT	CLIENT EXTENSION							
Describes the network adapters and their bound network addresses.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Category									
Set to Public, Private or Domain depending upon the OS categorisation of	✓	✓							

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NETWORK	AGENT	CLIENT EXTENSION
the network. Realtime property with enum data type with options Public, Private, Domain. Persists as `LOCAL_NETWORK_X_CATEGORY` for the local agent and `REMOTE_NETW`		

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NETWORK	AGENT	CLIENT EXTENSION							
`ORK_X_CATEGORY` for the remote device.									
Count									
The number of network adapters. Realtime property with number data type. Persists as `LOCAL_NETWORK_C`	✓	✓	✓	✓	✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
`COUNT` for the local agent and `REMOTE_NETWORK_COUNT` for the remote device.									
Description									
The description of the network adapter. Realtime property with text data	✓	✓	✓	✓	✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
type. Persists as `LOCAL_NETWORK_X_DESCRIPTION` for the local agent and `REMOTE_NETWORK_X_DESCRIPTION` for the remote device.									
DHCP Enabled									
Set to	✓	✓	✓		✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION
true when the network adapter is configured to use DHCP. Realtime property with boolean data type. Persists as `LOCAL_NETWORK_X_DHCP_ENABLED` for the local agent and		

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NETWORK	AGENT	CLIENT EXTENSION							
`REMOTE_NETWORK_X_DHCP_ENABLED` for the remote device.									
DHCP Expires									
The time that the IP address expires. Realtime property with datetime data	✓	✓			✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
type. Persists as `LOCAL_NETWORK_X_DHCP_EXPIRES` for the local agent and `REMOTE_NETWORK_X_DHCP_EXPIRES` for the remote device.									
DHCP Lease									

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NETWORK	AGENT	CLIENT EXTENSION							
The lease time of the IP address. Realtime property with datetime data type. Persists as `LOCAL_NETWORK_X_DHCP_LEASE` for the local agent and `REMOTE_NETWORK_X_DHCP_L`	✓	✓			✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
`EASE` for the remote device.									
DHCP Server									
The IP address of the DHCP server. Realtime property with ip, text data types. Persists as `LOCAL_NETWO`	✓	✓	✓		✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
`RK_X_DHCP_SERVER` for the local agent and `REMOTE_NETWORK_X_DHCP_SERVER` for the remote device.									
DNS									
The IP address of the DNS server. Realtime property	✓	✓	✓	✓	✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
with ip, text data types. Persists as `LOCAL_NETWORK_X_DNS` for the local agent and `REMOTE_NETWORK_X_DNS` for the remote device.									
DNS Suffix									
The DNS suffix	✓	✓	✓	✓	✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
es. Realtime property with text data type. Persists as `LOCAL_NETWORK_X_DNS_SUFFIX` for the local agent and `REMOTE_NETWORK_X_DNS_SUFFIX` for the remote device.									

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NETWORK	AGENT	CLIENT EXTENSION							
Gateway									
The IP address of the gateway. Realtime property with ip, text data types. Persists as `LOCAL_NETWORK_X_GATEWAY` for the local agent and `REMOTE_NETW`	✓	✓	✓	✓	✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
`ORK_X_GATEWAY` for the remote device.									
Gateway MAC									
The MAC address of the gateway. Realtime property with text data type. Persists as `LOCAL_NETWORK_X`	✓	✓	✓		✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
`_GATEWAY_MAC` for the local agent and `REMOTE_NETWORK_X_GATEWAY_MAC` for the remote device.									
IPv4 Address									
The IPv4 address of the network adapter. Realtime	✓	✓	✓	✓	✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
property with ip, text data types. Persists as `LOCAL_NETWORK_X_IPV4` for the local agent and `REMOTE_NETWORK_X_IPV4` for the remote device.									
IPv4 Subnet									

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NETWORK	AGENT	CLIENT EXTENSION							
The IPv4 subnet of the network adapter. Realtime property with ip, text data types. Persists as `LOCAL_NETWORK_X_IPV4_SUBNET` for the local agent and `REMOTE_NETW`	✓	✓	✓	✓	✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
`ORK_X_IPV4_SUBNET` for the remote device.									
IPv6 Address									
The IPv6 address of the network adapter. Realtime property with ip, text data types. Persists as	✓	✓	✓	✓	✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
`LOCAL_NETWORK_X_IPV6` for the local agent and `REMOTE_NETWORK_X_IPV6` for the remote device.									
IPv6 Subnet									
The IPv6 subnet of the network adapter. Realti	✓	✓	✓	✓	✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
me property with ip, text data types. Persists as `LOCAL_NETWORK_X_IPV6_SUBNET` for the local agent and `REMOTE_NETWORK_X_IPV6_SUBNET` for the remote device.									

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NETWORK	AGENT	CLIENT EXTENSION							
MAC Address									
The physical MAC address of the network adapter. Realtime property with text data type. Persists as `LOCAL_NETWORK_X_MAC` for the local agent and `REM`	✓	✓	✓		✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
`OTE_NETWORK_X_MAC` for the remote device.									
Name									
The name of the network adapter. Realtime property with text data type. Persists as `LOCAL_NETWORK_X`	✓	✓	✓	✓	✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
`_NAME` for the local agent and `REMOTE_NETWORK_X_NAME` for the remote device.									
Speed									
The speed of the network adapter. Realtime property with numb	✓	✓			✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
er data type. Persists as `LOCAL_NETWORK_X_SPEED` for the local agent and `REMOTE_NETWORK_X_SPEED` for the remote device.									
Status									
The status of the	✓	✓	✓	✓	✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION
network adapter. Realtime property with enum data type with options Up, Down, Unknown. Persists as `LOCAL_NETWORK_X_STATUS` for the local agent and `REMOTE_NETW`		

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NETWORK	AGENT	CLIENT EXTENSION							
`ORK_X_STATUS` for the remote device.									
Type									
The type of network adapter, such as Ethernet or Wi-Fi. Realtime property with enum data type with options Other,	✓	✓	✓	✓	✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
Ethernet, PPP, ATM, Wi-Fi, Tunnel, Firewire, Cellular. Persists as `LOCAL_NETWORK_X_TYPE` for the local agent and `REMOTE_NETWORK_X_TYPE` for the remote device.									

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NETWORK	AGENT	CLIENT EXTENSION							
Virtual									
Set to true when the network adapter is not supported by a physical device. Realtime property with boolean data type. Persists as `LOCAL_NETWORK_X_VIR`	✓	✓	✓		✓		✓		

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NETWORK	AGENT	CLIENT EXTENSION							
`TUAL` for the local agent and `REMOTE_NETWORK_X_VIRTUAL` for the remote device.									
Wi-Fi BSSID									
For Wi-Fi network adapters, the BSSID of the connected access	✓	✓	✓		✓		✓		✓

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NETWORK	AGENT	CLIENT EXTENSION							
point. Realtime property with text data type. Persists as `LOCAL_NETWORK_X_WIFI_BSSID` for the local agent and `REMOTE_NETWORK_X_WIFI_BSSID` for the remote device.									

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NETWORK	AGENT	CLIENT EXTENSION							
Wi-Fi Security									
The security used to authenticate and encrypt the data over the Wi-Fi network adapter. Realtime property with enum, text data types with options Open, Enha	✓	✓	✓		✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION
nced Open, WEP, WPA Personal, WPA Enterprise, WPA 2 Personal, WPA 2 Enterprise, WPA 3 Personal, WPA 3 Enterprise. Persists as `LOCAL_NETWORK_X_WIFI_SECURITY`		

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NETWORK	AGENT	CLIENT EXTENSION							
for the local agent and `REMOTE_NETWORK_X_WIFI_SECURITY` for the remote device.									
Wi-Fi SSID									
For Wi-Fi network adapters, the SSID of any connected networks.	✓	✓	✓		✓		✓		✓

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NETWORK	AGENT	CLIENT EXTENSION							
Realtime property with text data type. Persists as `LOCAL_NETWORK_X_WIFI_SSID` for the local agent and `REMOTE_NETWORK_X_WIFI_SSID` for the remote device.									

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NETWORK	AGENT	CLIENT EXTENSION							
Wi-Fi Strength									
The signal strength of the Wi-Fi network adapter. Realtime property with number data type. Persists as `LOCAL_NETWORK_X_WIFI_STRENGTH` for the	✓	✓	✓		✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
local agent and `REMOTE_NETWORK_WIFI_STRENGTH` for the remote device.									
WINS									
The IP address of the WINS server. Realtime property with ip, text	✓	✓			✓		✓	✓	✓

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NETWORK	AGENT	CLIENT EXTENSION							
data types. Persists as `LOCAL_NETWORK_X_WINS` for the local agent and `REMOTE_NETWORK_X_WINS` for the remote device.									

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NoTouch Properties

NOTOUCH	AGENT	CLIENT EXTENSION							
Provides properties unique to a Stratodesk NoTouch device.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Environment Variable Count									
The number of NoTouch Center environment variables. Static								✓	

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NOTOUCH	AGENT	CLIENT EXTENSION							
property with number data type. Persists as `REMOTE_NOTOUCH_ENVIRONMENT_COUNT` for the remote device.									
Environment Variable Name									
The name of the NoTo								✓	

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NOTOUCH	AGENT	CLIENT EXTENSION							
uch Center environment variable. Static property with text data type. Persists as `REMOTE_NOTOUCH_ENVIRONMENT_X_NAME` for the remote device.									
Environment									

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NOTOUCH	AGENT	CLIENT EXTENSION							
Variable Value									
The value of the NoTouch Center environment variable. Static property with text, number, boolean, datetime, ip data types. Persists as `REMOTE_NOTO`								✓	

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NOTOUCH	AGENT	CLIENT EXTENSION							
`UCH_ENVIRONMENT_X_VALUE` for the remote device.									
NoTouch Center Cert Serial									
The serial number of the certificate used to connect to the NoTouch Center. Static								✓	

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NOTOUCH	AGENT	CLIENT EXTENSION							
property with text data type. Persists as `REMOTE_NOTOUCH_CERTIFICATE_SERIALNUMBER` for the remote device.									
NoTouch Center Cert Subject									
The subject of								✓	

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NOTOUCH	AGENT	CLIENT EXTENSION							
the certificate used to connect to the NoTouch Center. Static property with text data type. Persists as `REMOTE_NOTOUCH_CERTIFICATE_SUBJECT` for the remote device.									

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NOTOUCH	AGENT	CLIENT EXTENSION							
NoTouch Center Cert Thumbprint SHA 256									
The SHA 256 thumbprint of the certificate used to connect to the NoTouch Center. Static property with text data type. Persists as								✓	

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NOTOUCH	AGENT	CLIENT EXTENSION							
`REMOTE_NOTOUCH_CERTIFICATE_THUMBPRINT_SHA256` for the remote device.									
NoTouch Center URL									
The Management URL of the NoTouch Center. Static property								✓	

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NOTOUCH	AGENT	CLIENT EXTENSION							
with text data type. Persists as `REMOTE_NOTOUCH_URL` for the remote device.									

OS Properties

OS	AGENT	CLIENT EXTENSION							
Provides information about the operating syste	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux

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OS	AGENT	CLIENT EXTENSION							
m installed on the endpoint.									
Description									
A textual description of the OS. Static property with text data type. Persists as `LOCAL_OS_DESCRIPTION` for the local agent	✓	✓		✓	✓		✓	✓	✓

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OS	AGENT	CLIENT EXTENSION							
and `REMOTE_OS_DESCRIPTION` for the remote device.									
Id									
An arbitrary identifier that uniquely identifies the installation of the OS. Static property with text data	✓	✓	✓		✓		✓	✓	✓

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OS	AGENT	CLIENT EXTENSION							
type. Persists as `LOCAL_OS_ID` for the local agent and `REMOTE_OS_ID` for the remote device.									
Name									
The name of the OS. Static property with enum data type with	✓	✓	✓	✓	✓	✓	✓	✓	✓

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OS	AGENT	CLIENT EXTENSION
options Windows, macOS, iOS, IGEL, eLux®, Rangee, Linux, ChromeOS, NoTouch, Android and HTML5. Persists as `LOCAL_OS_NAME` for the local agent and `REM`		

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OS	AGENT	CLIENT EXTENSION							
`OTE_OS_NAME` for the remote device.									
Platform									
The platform of the OS, such as x64. Static property with enum data type with options x86, x64, ARM, ARM64, MIPS,	✓	✓	✓	✓	✓		✓	✓	✓

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OS	AGENT	CLIENT EXTENSION							
MIPS 64. Persists as `LOCAL_OS_PLATFORM` for the local agent and `REMOTE_OS_PLATFORM` for the remote device.									
Release									
The release version of the OS.	✓	✓			✓		✓	✓	✓

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OS	AGENT	CLIENT EXTENSION							
Static property with text, number data types. Persists as `LOCAL_OS_RELEASE` for the local agent and `REMOTE_OS_RELEASE` for the remote device.									
Start up Time									

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OS	AGENT	CLIENT EXTENSION							
The time that the OS started. Static property with datetime data type. Persists as `LOCAL_OS_STARTUPTIME` for the local agent and `REMOTE_OS_STARTUPTIME` for the remot	✓	✓			✓		✓	✓	✓

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OS	AGENT	CLIENT EXTENSION							
e device.									
Type									
The type of the OS, such as Client or Server. Static property with enum data type with options Client, Server. Persists as `LOCAL_OS_TYPE` for	✓	✓			✓	✓	✓	✓	✓

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OS	AGENT	CLIENT EXTENSION							
the local agent and `REMOTE_OS_TYPE` for the remote device.									
Version									
The version number of the OS. Static property with version data type. Persists as `LOC`	✓	✓	✓	✓	✓	✓	✓	✓	✓

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OS	AGENT	CLIENT EXTENSION							
`AL_OS_VERSION` for the local agent and `REMOTE_OS_VERSION` for the remote device.									

Password Policy Properties

PASSWORD POLICY	AGENT	CLIENT EXTENSION							
Describes the password policy of the logge	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux

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PASSWORD POLICY	AGENT	CLIENT EXTENSION							
d in user.									
Force Logoff									
The amount of time in days between the end of the valid logon time and the time when the user is forced to log off the network. Dynamic prope	✓	✓							

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PASSWORD POLICY	AGENT	CLIENT EXTENSION							
rty with text data type. Persists as `LOCAL_POLICY_PASSWORD_FORCELOGOFF` for the local agent and `REMOTE_POLICY_PASSWORD_FORCELOGOFF` for the remote									

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PASSWORD POLICY	AGENT	CLIENT EXTENSION							
device.									
Maximum Password Age									
The maximum period of time in days before the system requires the user to change it. Dynamic property with text data type. Persists	✓	✓							

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PASSWORD POLICY	AGENT	CLIENT EXTENSION							
as `LOCAL_POLICY_PASSWORD_MAXAGE` for the local agent and `REMOTE_POLICY_PASSWORD_MAXAGE` for the remote device.									
Minimum Password Age									
The minimum	✓	✓							

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PASSWORD POLICY	AGENT	CLIENT EXTENSION
period of time in days before the system can require the user to change it. Dynamic property with number data type. Persists as `LOCAL_POLICY_PASSWORD_MINAGE` for the		

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PASSWORD POLICY	AGENT	CLIENT EXTENSION							
local agent and `REMOTE_POLICY_PASSWORD_MINAGE` for the remote device.									
Minimum Password Length									
The minimum number of characters required. Dynamic prope	✓	✓							

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PASSWORD POLICY	AGENT	CLIENT EXTENSION							
rty with text data type. Persists as `LOCAL_POLICY_PASSWORD_MINLENGTH` for the local agent and `REMOTE_POLICY_PASSWORD_MINLENGTH` for the remote device.									

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PASSWORD POLICY	AGENT	CLIENT EXTENSION							
Password History									
The number of unique passwords associated with the user before an old password can be reused. Dynamic property with text data type. Persi	✓	✓							

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PASSWORD POLICY	AGENT	CLIENT EXTENSION							
sts as `LOCAL_POLICY_PASSWORD_HISTORY` for the local agent and `REMOTE_POLICY_PASSWORD_HISTORY` for the remote device.									

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Performance Properties

PERFORMANCE	AGENT	CLIENT EXTENSION							
Describes the performance of the remoting protocol.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Bandwidth									
The bandwidth status of the remoting protocol. Dynamic property with enum data type with optio	✓	✓							

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PERFORMANCE	AGENT	CLIENT EXTENSION							
ns Unavailable, Loading, Excellent, Good, Moderate, Poor. Persists as `LOCAL_PERFORMANCE_BANDWIDTH` for the local agent.									
Bandwidth Speed									
The bandwidth	✓	✓							

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PERFORMANCE	AGENT	CLIENT EXTENSION							
of the remoting protocol in kBps. Dynamic property with number data type. Persists as `LOCAL_PERFORMANCE_BANDWIDTH_SPEED` for the local agent.									
Latency									

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PERFORMANCE	AGENT	CLIENT EXTENSION							
The latency status of the remoting protocol. Dynamic property with enum data type with options Unavailable, Loading, Excellent, Good, Moderate, Poor. Persists as `LOC`	✓	✓							

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PERFORMANCE	AGENT	CLIENT EXTENSION							
`AL_PERFORMANCE_LATENCY` for the local agent.									
Latency Speed									
The latency of the remoting protocol in milliseconds. Dynamic property with number data type.	✓	✓							

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PERFORMANCE	AGENT	CLIENT EXTENSION							
Persists as `LOCAL_PERFORMANCE_LATENCY_SPEED` for the local agent.									

Power Properties

POWER	AGENT	CLIENT EXTENSION							
Describes the power profile of the endpoint.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux

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POWER	AGENT	CLIENT EXTENSION							
AC									
Set to Online whenever the remote device is plugged in, otherwise Offline. Dynamic property with enum data type with options Offline, Online. Persists as	✓	✓	✓	✓	✓		✓	✓	✓

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POWER	AGENT	CLIENT EXTENSION							
`LOCAL_POWER_AC` for the local agent and `REMOTE_POWER_AC` for the remote device.									
Battery									
Set to High, Medium, Low or Critical depending upon the avail	✓	✓	✓	✓	✓		✓	✓	✓

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POWER	AGENT	CLIENT EXTENSION							
able battery. Dynamic property with enum data type with options High, Low, Critical, None, Medium. Persists as `LOCAL_POWER_BATTERY` for the local agent and `REMOTE_`									

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POWER	AGENT	CLIENT EXTENSION							
`POWER_BATTERY` for the remote device.									
Scheme									
The current power scheme. Dynamic property with text data type. Persists as `LOCAL_POWER_SCHEME`	✓	✓		✓					

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POWER	AGENT	CLIENT EXTENSION							
for the local agent and `REMOTE_POWER_SCHEME` for the remote device.									

Printer Properties

PRINTER	AGENT	CLIENT EXTENSION							
Describes the printers available to the user session.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux

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PRINTER	AGENT	CLIENT EXTENSION							
Count									
The number of printers available. Realtime property with number data type. Persists as `LOCAL_PRINTER_COUNT` for the local agent and `REMOTE_PRINTER_COUN`	✓	✓							

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PRINTER	AGENT	CLIENT EXTENSION							
`T` for the remote device.									
Default									
Set to true if this printer is the default printer. Realtime property with boolean data type. Persists as `LOCAL_PRINTER_X`	✓	✓							

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PRINTER	AGENT	CLIENT EXTENSION							
`_DEFAULT` for the local agent and `REMOTE_PRINTER_X_DEFAULT` for the remote device.									
Directory Published									
Set to true if this printer has been published by Active	✓	✓							

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PRINTER	AGENT	CLIENT EXTENSION
Directory. Realtime property with boolean data type. Persists as `LOCAL_PRINTER_X_DIRECTORY_PUBLISHED` for the local agent and `REMOTE_PRINTER_X_DIRECTORY_PUBLISHED` for the remote agent.		

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PRINTER	AGENT	CLIENT EXTENSION							
`D` for the remote device.									
Driver									
The name of the printer driver. Realtime property with text data type. Persists as `LOCAL_PRINTER_X_DRIVER` for the	✓	✓							

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PRINTER	AGENT	CLIENT EXTENSION							
local agent and `REMOTE_PRINTER_X_DRIVER` for the remote device.									
Driver File									
The filename of the printer driver. Realtime property with text data type. Persists	✓	✓							

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PRINTER	AGENT	CLIENT EXTENSION							
as `LOCAL_PRINTER_X_DRIVER_FILE` for the local agent and `REMOTE_PRINTER_X_DRIVER_FILE` for the remote device.									
Driver Manufacturer									
The manufacturer of	✓	✓							

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PRINTER	AGENT	CLIENT EXTENSION
the printer driver. Realtime property with text data type. Persists as `LOCAL_PRINTER_X_DRIVER_MANUFACTURER` for the local agent and `REMOTE_PRINTER_X_DRIVER_MAN`		

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PRINTER	AGENT	CLIENT EXTENSION							
`UFACTURER` for the remote device.									
Driver Version									
The version of the printer driver. Realtime property with version data type. Persists as `LOCAL_P`	✓	✓							

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PRINTER	AGENT	CLIENT EXTENSION							
`RINTER_X_DRIVER_VERSION` for the local agent and `REMOTE_PRINTER_X_DRIVER_VERSION` for the remote device.									
Errors									
Lists any errors currently reported	✓	✓							

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PRINTER	AGENT	CLIENT EXTENSION							
by the printer. Realtime property with flags data type with options Paused, Error, Pending Deletion, Paper Jam, Paper Out, Paper Problem, Offline, Output Bin Full, Not									

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PRINTER	AGENT	CLIENT EXTENSION
Available, Toner Low, No Toner, Cannot Print Page, User Intervention, Out Of Memory, Door Open, Server Unknown, Server Offline, Driver Update Needed.		

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PRINTER	AGENT	CLIENT EXTENSION							
Persists as `LOCAL_PRINTER_X_ERRORS` for the local agent and `REMOTE_PRINTER_X_ERRORS` for the remote device.									
Keep Print Jobs									
Set to true when print jobs	✓	✓							

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PRINTER	AGENT	CLIENT EXTENSION
are stored by the printer. Realtime property with boolean data type. Persists as `LOCAL_PRINTER_X_KEEP_PRINT_JOBS` for the local agent and `REMOTE_PRINTER_X_KEEP_P`		

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PRINTER	AGENT	CLIENT EXTENSION							
`RINT_JOBS` for the remote device.									
Local									
Set to true if the printer is a local printer. Realtime property with boolean data type. Persists as `LOCAL_PRINTER_X`	✓	✓							

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PRINTER	AGENT	CLIENT EXTENSION							
`_LOCAL` for the local agent and `REMOTE_PRINTER_X_LOCAL` for the remote device.									
Location									
The location of the printer. Realtime property with text data type.	✓	✓							

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PRINTER	AGENT	CLIENT EXTENSION							
Persists as `LOCAL_PRINTER_X_LOCATION` for the local agent and `REMOTE_PRINTER_X_LOCATION` for the remote device.									
Name									
The name of the printer. Realti	✓	✓							

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PRINTER	AGENT	CLIENT EXTENSION							
me property with text data type. Persists as `LOCAL_PRINTER_X_NAME` for the local agent and `REMOTE_PRINTER_X_NAME` for the remote device.									
Port									
The port	✓	✓							

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PRINTER	AGENT	CLIENT EXTENSION							
used by the printer. Realtime property with text data type. Persists as `LOCAL_PRINTER_X_PORT` for the local agent and `REMOTE_PRINTER_X_PORT` for the remote									

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PRINTER	AGENT	CLIENT EXTENSION							
device.									
Server									
The name of the server hosting the printer. Realtime property with text data type. Persists as `LOCAL_PRINTER_X_SERVER` for the local agent	✓	✓							

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PRINTER	AGENT	CLIENT EXTENSION							
and `REMOTE_PRINTER_X_SERVER` for the remote device.									
Share									
The share that the printer is connected to. Realtime property with text data type. Persists as	✓	✓							

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PRINTER	AGENT	CLIENT EXTENSION							
`LOCAL_PRINTER_X_SHARE` for the local agent and `REMOTE_PRINTER_X_SHARE` for the remote device.									

Region Properties

REGION	AGENT	CLIENT EXTENSION							
Describes the regional	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTo	Unicon™ eLux

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REGION	AGENT	CLIENT EXTENSION						
information of the user session.							uch OS	
Keyboard Language								
The language configured by the keyboard. Dynamic property with text data type. Persists as `LOCAL_REGION_KEYBOA`	✓	✓	✓		✓		✓	✓	✓

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REGION	AGENT	CLIENT EXTENSION							
`RD_LANGUAGE` for the local agent and `REMOTE_REGION_KEYBOARD_LANGUAGE` for the remote device.									
Keyboard Locale									
The locale configured by the keyboard.	✓	✓	✓		✓		✓	✓	✓

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REGION	AGENT	CLIENT EXTENSION							
Dynamic property with text data type. Persists as `LOCAL_REGION_KEYBOARD_LOCALE` for the local agent and `REMOTE_REGION_KEYBOARD_LOCALE` for the remote device.									

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REGION	AGENT	CLIENT EXTENSION							
Language									
The language configured by the OS. Dynamic property with text data type. Persists as `LOCAL_REGION_LANGUAGE` for the local agent and `REMOTE_REGION_L`	✓	✓	✓	✓	✓		✓	✓	✓

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REGION	AGENT	CLIENT EXTENSION							
`LANGUAGE` for the remote device.									
Locale									
The locale configured by the OS. Dynamic property with text data type. Persists as `LOCAL_REGION_LOCALE` for	✓	✓	✓	✓	✓		✓	✓	✓

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REGION	AGENT	CLIENT EXTENSION							
the local agent and `REMOTE_REGION_LOCALE` for the remote device.									
Time zone Offset									
The offset in minutes relative to UTC. Dynamic property with number data	✓	✓	✓	✓	✓		✓	✓	✓

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REGION	AGENT	CLIENT EXTENSION							
type. Persists as `LOCAL_REGION_TIMEZONE_OFFSET` for the local agent and `REMOTE_REGION_TIMEZONE_OFFSET` for the remote device.									

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Remote Control Properties

REMOTE CONTROL	AGENT	CLIENT EXTENSION							
Determines whether the user session is being remote controlled and provides information about the remote controlling endpoint.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Active									
Set to true	✓	✓					✓		

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REMOTE CONTROL	AGENT	CLIENT EXTENSION
when the session is remote controlled. Dynamic property with boolean data type. Persists as `LOCAL_REMOTECONTROL_ACTIVE` for the local agent and `REMOTE_REMOTECONTRO`		

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REMOTE CONTROL	AGENT	CLIENT EXTENSION							
`L_ACTIVE` for the remote device.									
Gateway									
Set to true whenever a gateway was used to access the virtual session. Supported on Citrix® and VMware	✓	✓							

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REMOTE CONTROL	AGENT	CLIENT EXTENSION							
only. Dynamic property with boolean data type. Persists as `LOCAL_REMOTECONTROL_GATEWAY` for the local agent.									
Gateway IP									
Set to the IP address of the gate	✓	✓							

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REMOTE CONTROL	AGENT	CLIENT EXTENSION
way used to access the virtual session. Supported on Citrix and VMware only. Dynamic property with ip, text data types. Persists as `LOCAL_REMOTECONTROL_GAT`		

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REMOTE CONTROL	AGENT	CLIENT EXTENSION							
`EWAY_IP` for the local agent.									
Protocol									
Determines the protocol used to remote control the device. Currently support Console, RDP, ICA®, Nice DCV, PCoIP, Blast	✓	✓					✓		

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REMOTE CONTROL	AGENT	CLIENT EXTENSION							
and for IGEL clients we also support VNC. On an IGEL device, this is set to 'VNC' whilst remote shadowing is active. Dynamic property with enum data type with options Unkn									

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REMOTE CONTROL	AGENT	CLIENT EXTENSION							
own, RDP, ICA, PCoIP, Blast, VNC, DCV. Persists as `LOCAL_REMOTECONTROL_PROTOCOL` for the local agent and `REMOTE_REMOTECONTROL_PROTOCOL` for the remote device.									

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REMOTE CONTROL	AGENT	CLIENT EXTENSION							
Remote Install Path									
The installation path of the remote client. Supported on Citrix only. Dynamic property with text data type. Persists as `LOCAL_REMOTECONTROL_REMOTE_`	✓	✓							

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REMOTE CONTROL	AGENT	CLIENT EXTENSION							
`INSTALLPATH` for the local agent and `REMOTE_REMOTECONTROL_REMOTE_INSTALLPATH` for the remote device.									
Remote IP									
The IP address of the remote user.	✓	✓							

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REMOTE CONTROL	AGENT	CLIENT EXTENSION
Dynamic property with ip, text data types. Persists as `LOCAL_REMOTECONTROL_REMOTE_IP` for the local agent and `REMOTE_REMOTECONTROL_REMOTE_IP` for the remot		

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REMOTE CONTROL	AGENT	CLIENT EXTENSION							
e device.									
Remote Name									
The NetBIOS name of the remote device. Dynamic property with text data type. Persists as `LOCAL_REMOTECONTROL_REMOTE_NAME`	✓	✓							

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REMOTE CONTROL	AGENT	CLIENT EXTENSION							
for the local agent and `REMOTE_REMOTECONTROL_REMOTE_NAME` for the remote device.									
Remote Platform									
The platform of the remote client. Dynamic property	✓	✓							

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REMOTE CONTROL	AGENT	CLIENT EXTENSION							
with text data type. Persists as `LOCAL_REMOTECONTROL_REMOTE_PLATFORM` for the local agent and `REMOTE_REMOTECONTROL_REMOTE_PLATFORM` for the remote device.									

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REMOTE CONTROL	AGENT	CLIENT EXTENSION							
Remote Version									
The version number of the remote client. Supported on Citrix and VMware only. Dynamic property with version data type. Persists as `LOCAL_R`	✓	✓							

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REMOTE CONTROL	AGENT	CLIENT EXTENSION							
`EMOTECONTROL_REMOTE_VERSION` for the local agent and `REMOTE_REMOTECONTROL_REMOTE_VERSION` for the remote device.									

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Remoting Client Properties

REMOTING CLIENT	AGENT	CLIENT EXTENSION							
Provides properties about the remoting client used to remote control the user session.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Outbound Address									
The IP address of the outbound connection estab		✓							

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REMOTING CLIENT	AGENT	CLIENT EXTENSION							
lished by the remoting client. Dynamic property with ip, text data types. Persists as `REMOTE_REMOTING CLIENT_OUTBOUND_ADDRESS` for the remote device.									

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REMOTING CLIENT	AGENT	CLIENT EXTENSION							
Outbound DNS									
The DNS name established from a reverse DNS lookup, of the outbound connection of the remoting client. Dynamic property with text data type. Persi		✓							

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REMOTING CLIENT	AGENT	CLIENT EXTENSION							
sts as `REMOTE_REMOTING CLIENT_OUTBOUND_DNS` for the remote device.									
Runtime									
The runtime of the remoting client. Static property with text data type. Persi		✓							

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REMOTING CLIENT	AGENT	CLIENT EXTENSION							
sts as `REMOTE_REMOTING CLIENT_RUNTIME` for the remote device.									
Skype Plugin									
Set to true whenever the Skype plugin is detected. Dynamic prope		✓							

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REMOTING CLIENT	AGENT	CLIENT EXTENSION							
rty with boolean data type. Persists as `REMOTE_REMOTING CLIENT_PLUGINS_SKYPE` for the remote device.									
Skype Plugin Version									
Set to the version numb		✓							

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REMOTING CLIENT	AGENT	CLIENT EXTENSION							
er of the Skype plugin. Dynamic property with version data type. Persists as `REMOTE_REMOTING CLIENT_PLUGINS_SKYPE_VERSION` for the remote device.									

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REMOTING CLIENT	AGENT	CLIENT EXTENSION							
Version									
The version of the remoting client. Static property with version data type. Persists as `REMOTE_REMOTING CLIENT_VERSION` for the remote device.		✓							

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Screen Saver Properties

SCREEN SAVER	AGENT	CLIENT EXTENSION							
Describes the screen saver applied to the user session.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Enabled									
Determines if the screensaver is enabled. Realtime property with boolean data type. Persi	✓	✓	✓				✓		✓

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SCREENSAVER	AGENT	CLIENT EXTENSION							
sts as `LOCAL_SCREENSAVER_ENABLED` for the local agent and `REMOTE_SCREENSAVER_ENABLED` for the remote device.									
Filename									
The filename of the screensav	✓	✓	✓				✓		✓

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SCREENSAVER	AGENT	CLIENT EXTENSION							
er that is shown to the user. Realtime property with text data type. Persists as `LOCAL_SCREENSAVER_FILENAME` for the local agent and `REMOTE_SCREENSAVER_FILENAME`									

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SCREEN SAVER	AGENT	CLIENT EXTENSION							
for the remote device.									
Secure									
Determines if a password is required when the screensaver is deactivated. Realtime property with boolean data type. Persists as	✓	✓					✓		✓

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SCREENSAVER	AGENT	CLIENT EXTENSION							
`LOCAL_SCREENSAVER_SECURE` for the local agent and `REMOTE_SCREENSAVER_SECURE` for the remote device.									
Timeout									
Determines the amount of user idle time in	✓	✓	✓				✓		✓

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SCREENSAVER	AGENT	CLIENT EXTENSION
seconds before the screensaver is displayed. Realtime property with number data type. Persists as `LOCAL_SCREENSAVER_TIMEOUT` for the local agent and `REMOTE_SCREENSA`		

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SCREENSAVER	AGENT	CLIENT EXTENSION							
`VER_TIMEOUT` for the remote device.									

Security Product Properties

SECURITY PRODUCT	AGENT	CLIENT EXTENSION							
Provides real-time properties describing the state of the installed Antivirus, Antispyware	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux

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SECURITY PRODUCT	AGENT	CLIENT EXTENSION							
and Firewall security products.									
Category									
The category of security product, such as Firewall or Antivirus. Realtime property with enum data type with options Firewall,	✓	✓	✓						

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SECURITY PRODUCT	AGENT	CLIENT EXTENSION							
Antivirus, Antispyware. Persists as `LOCAL_SECURITYPRODUCT_X_CATEGORY` for the local agent and `REMOTE_SECURITYPRODUCT_X_CATEGORY` for the remote device.									

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SECURITY PRODUCT	AGENT	CLIENT EXTENSION							
Count									
The number of security products. Realtime property with number data type. Persists as `LOCAL_SECURITYPRODUCT_COUNT` for the local agent and `REMOTE_`	✓	✓	✓						

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SECURITY PRODUCT	AGENT	CLIENT EXTENSION							
`SECURITYPRODUCT_COUNT` for the remote device.									
Name									
The name of the security product. Realtime property with text data type. Persists as `LOCAL_S`	✓	✓	✓						

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SECURITY PRODUCT	AGENT	CLIENT EXTENSION							
`ECURITY PRODUCT_X_NAME` for the local agent and `REMOTE_SECURITY PRODUCT_X_NAME` for the remote device.									
Signature Status									
Set to Up-To-Date	✓	✓	✓						

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SECURITY PRODUCT	AGENT	CLIENT EXTENSION							
or Out-Of-Date depending upon the state of the security product signatures. Realtime property with enum data type with options Up-To-Date, Out-Of-Date. Persists as									

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SECURITY PRODUCT	AGENT	CLIENT EXTENSION							
`LOCAL_SECURITYPRODUCT_X_SIGNATURESTATUS` for the local agent and `REMOTE_SECURITYPRODUCT_X_SIGNATURESTATUS` for the remote device.									
Status									

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SECURITY PRODUCT	AGENT	CLIENT EXTENSION							
Set to Active or Inactive depending upon the state of the security product. Realtime property with enum data type with options Active, Inactive. Persists as `LOCAL_S`	✓	✓	✓						

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SECURITY PRODUCT	AGENT	CLIENT EXTENSION							
`ECURITY PRODUCT_X_STATUS` for the local agent and `REMOTE_SECURITY PRODUCT_X_STATUS` for the remote device.									

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NOTE:

- For Windows Client OS's, Windows Defender and the Windows Firewall are detected, in addition to any product identified by Windows Security Center.
- For Windows Server OS's, Windows Defender and the Windows Firewall are detected. There is no support for Windows Security Center as this is unavailable on Windows Server.
- For macOS, the system firewall is detected. There is no support for antivirus or antispyware products, or third party firewalls.

Session Properties

SESSION	AGENT	CLIENT EXTENSION							
Provides information describing the user's logon session.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Connect Id									
Uniquely identifies	✓	✓							

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SESSION	AGENT	CLIENT EXTENSION							
the current connection to the user session. Static property with text data type. Persists as `LOCAL_SESSION_CONNECT_ID` for the local agent.									
Connect Time									

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SESSION	AGENT	CLIENT EXTENSION							
The time the session connected. Static property with datetime data type. Persists as `LOCAL_SESSION_CONNECT_TIME` for the local agent.	✓	✓							
Delivery Name									

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SESSION	AGENT	CLIENT EXTENSION							
Set to a semi-colon separated list of published applications when the delivery type is Application, or the name of the published desktop when delivery type is Desktop. Static prope	✓	✓							

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SESSION	AGENT	CLIENT EXTENSION							
rty with text data type. Persists as `LOCAL_SESSION_DELIVERY_NAME` for the local agent.									
Delivery Type									
Set to Application when the session contains one	✓	✓							

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SESSION	AGENT	CLIENT EXTENSION							
or more published application, or Desktop when the session is a published desktop. Static property with enum data type with options Unknown, Desktop, Application. Persists									

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SESSION	AGENT	CLIENT EXTENSION							
as `LOCAL_SESSION_DELIVERY_TYPE` for the local agent.									
Id									
The session id of the user as assigned by the operating system. Static property with number data	✓	✓							

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SESSION	AGENT	CLIENT EXTENSION							
type. Persists as `LOCAL_SESSION_ID` for the local agent.									
Idle Period									
The time period in minutes that the user session has been idle. Realtime property with numb	✓	✓							

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SESSION	AGENT	CLIENT EXTENSION							
er data type. Persists as `LOCAL_SESSION_IDLEPERIOD` for the local agent and `REMOTE_SESSION_IDLEPERIOD` for the remote device.									
Logon Id									
Uniquely identi	✓	✓							

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SESSION	AGENT	CLIENT EXTENSION							
fies the logon session of the user. Static property with text data type. Persists as `LOCAL_SESSION_LOGON_ID` for the local agent.									
Logon Time									
The time of the sessi	✓	✓							

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SESSION	AGENT	CLIENT EXTENSION							
on logon. Static property with datetime data type. Persists as `LOCAL_SESSION_LOGON_TIME` for the local agent.									
Time									
The current session time. Static property	✓	✓							

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SESSION	AGENT	CLIENT EXTENSION							
with datetime data type. Persists as `LOCAL_SESSION_TIME` for the local agent.									

Smartcard Reader Properties

SMARTCARD READER	AGENT	CLIENT EXTENSION							
Describes the connected smart-card readers avail	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux

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SMARTCARDREADER	AGENT	CLIENTEXTENSION							
able to the user.									
Count									
The number of smart card readers connected. Realtime property with number data type. Persists as `LOCAL_SMARTCARDREADER_COUNT` for	✓	✓			✓		✓	✓	✓

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SMARTCARDREADER	AGENT	CLIENTEXTENSION							
the local agent and `REMOTE_SMARTCARDREADER_COUNT` for the remote device.									
Name									
The name of the smart card reader. Realtime property with text data type. Persi	✓	✓			✓		✓	✓	✓

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SMARTCARDREADER	AGENT	CLIENTEXTENSION							
sts as `LOCAL_SMARTCARDREADER_X_NAME` for the local agent and `REMOTE_SMARTCARDREADER_X_NAME` for the remote device.									
ATR									
The Answer To Reset (ATR	✓	✓			✓		✓	✓	✓

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SMARTCARDREADER	AGENT	CLIENTEXTENSION
) of any smart card confirming to the ISO 7816 standard. Realtime property with string data type. Persists as `LOCAL_SMARTCARDREADER_X_ATR` for the local agent, and `REMOTE_SMAR`		

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SMARTCARDREADER	AGENT	CLIENTEXTENSION							
`TCARDREADER_X_ATR` for the remote device.									
Vendor									
The vendor of the smart card reader. Realtime property with string data type. Persists as `LOCAL_SMART`	✓	✓			✓		✓	✓	✓

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SMARTCARDREADER	AGENT	CLIENT EXTENSION							
`CARDREADER_X_VENDOR` for the local agent, and `REMOTE_SMARTCARDREADER_X_VENDOR` for the remote device.									

User Properties

USER	AGENT	CLIENT EXTENSION							
Identifies the logge	Microsoft	Microsoft	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTo	Unicon™ eLux

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USER	AGENT	CLIENT EXTENSION							
d in user.	Windows	Windows						uch OS	
Attribute Count									
The number of user attributes read from Active Directory. Static property with number data type. Persists as `LOCAL_USER_ATTRIBUTE_CO`	✓	✓							

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USER	AGENT	CLIENT EXTENSION							
`UNT` for the local agent and `REMOTE_USER_ATTRIBUTE_COUNT` for the remote device.									
Attribute Name									
The name of a user attribute read from Active Directory.	✓	✓							

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USER	AGENT	CLIENT EXTENSION							
Static property with text data type. Persists as `LOCAL_USER_ATTRIBUTE_X_NAME` for the local agent and `REMOTE_USER_ATTRIBUTE_X_NAME` for the remote device.									

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USER	AGENT	CLIENT EXTENSION							
Attribute Value									
The value of a user attribute read from Active Directory. Static property with text, number, boolean, datetime data types. Persists as `LOCAL_USER_ATTR`	✓	✓							

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USER	AGENT	CLIENT EXTENSION							
`IBUTE_X_VALUE` for the local agent and `REMOTE_USER_ATTRIBUTE_X_VALUE` for the remote device.									
Auth									
The authentication used to authenticate the user. Static	✓	✓	✓						

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USER	AGENT	CLIENT EXTENSION							
property with text data type. Persists as `LOCAL_USER_AUTH` for the local agent and `REMOTE_USER_AUTH` for the remote device.									
Auth Principal									
The internet provi	✓	✓							

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USER	AGENT	CLIENT EXTENSION
der specified principal name of the user. Static property with text data type. Persists as `LOCAL_USER_AUTH_PRINCIPAL` for the local agent and `REMOTE_USER_AUTH_PRINCIPAL`		

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USER	AGENT	CLIENT EXTENSION							
for the remote device.									
Auth Provider									
The internet provider. Static property with text data type. Persists as `LOCAL_USER_AUTH_PROVIDER` for the local agent and	✓	✓							

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USER	AGENT	CLIENT EXTENSION							
`REMOTE_USER_AUTH_PROVIDER` for the remote device.									
Cached Credentials									
Set to true whenever the user has cached credentials. Static property with	✓	✓							

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USER	AGENT	CLIENT EXTENSION							
boolean data type. Persists as `LOCAL_USER_CACHEDCREDENTIALS` for the local agent and `REMOTE_USER_CACHEDREDENTIALS` for the remote device.									
DN									

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USER	AGENT	CLIENT EXTENSION							
The distinguished name of the user. Static property with text data type. Persists as `LOCAL_USER_NAME_DN` for the local agent and `REMOTE_USER_NAME_DN` for the remote	✓	✓	✓						

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USER	AGENT	CLIENT EXTENSION							
device.									
DNS									
The domain DNS of the user. Static property with text data type. Persists as `LOCAL_USER_NAME_DOMAIN_DNS` for the local agent and `REMOTE_USER_NAM`	✓	✓	✓		✓		✓	✓	✓

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USER	AGENT	CLIENT EXTENSION							
`E_DOMAIN_DNS` for the remote device.									
Domain									
The domain of the user. Static property with text data type. Persists as `LOCAL_USER_NAME_DOMAIN` for the local	✓	✓	✓		✓		✓	✓	✓

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USER	AGENT	CLIENT EXTENSION							
agent and `REMOTE_USER_NAME_DOMAIN` for the remote device.									
Domain Logon									
Set to true whenever the user belongs to a domain. Static property with boole	✓	✓	✓		✓		✓	✓	✓

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USER	AGENT	CLIENT EXTENSION							
an data type. Persists as `LOCAL_USER_DOMAINLOGON` for the local agent and `REMOTE_USER_DOMAINLOGON` for the remote device.									
Groups									
The security group	✓	✓							

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USER	AGENT	CLIENT EXTENSION							
s that the user is a member of. Only security groups referenced below will be evaluated. Static property with text data type. Persists as `LOCAL_USER_GROUPS` for the									

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USER	AGENT	CLIENT EXTENSION							
local agent and `REMOTE_USER_GROUPS` for the remote device.									
Local Admin									
Set to true whenever the user has admin rights. Static property with boolean data	✓	✓	✓		✓		✓	✓	✓

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USER	AGENT	CLIENT EXTENSION							
type. Persists as `LOCAL_USER_LOCALADMIN` for the local agent and `REMOTE_USER_LOCALADMIN` for the remote device.									
Name									
The name of the user. Static prope	✓	✓	✓		✓	✓	✓	✓	✓

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USER	AGENT	CLIENT EXTENSION							
rty with text data type. Persists as `LOCAL_USER_NAME` for the local agent and `REMOTE_USER_NAME` for the remote device.									
Password Age									
The age of the user pass	✓	✓	✓						

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USER	AGENT	CLIENT EXTENSION
word in days. Available only for Active Directory and work group accounts. Static property with number data type. Persists as `LOCAL_USER_PASSWORD_AGE` for the local agent		

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USER	AGENT	CLIENT EXTENSION							
and `REMOTE_USER_PASSWORD_AGE` for the remote device.									
Password Auto Logon									
Set to true if auto-logon is configured for the user. Static property with boolean	✓	✓	✓						

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USER	AGENT	CLIENT EXTENSION							
data type. Persists as `LOCAL_USER_PASSWORD_AUTOLOGON` for the local agent and `REMOTE_USER_PASSWORD_AUTOLOGON` for the remote device.									
SID									
The Secu	✓	✓	✓			✓			

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USER	AGENT	CLIENT EXTENSION							
rity Identifier (SID) of the user. Static property with text data type. Persists as `LOCAL_USER_SID` for the local agent and `REMOTE_USER_SID` for the remote device.									

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USER	AGENT	CLIENT EXTENSION							
Auth Credential Provider									
The name of the credential provider used to authenticate the user. Session property with string data type. Persists as `LOCAL_USER_AUTH_CREDENTIAL_`	✓	✓							

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USER	AGENT	CLIENT EXTENSION							
`PROVIDER` for the local agent, and `REMOTE_USER_AUTH_CREDENTIAL_PROVIDER` for the remote device.									

WHOIS Properties

WHOIS	AGENT	CLIENT EXTENSION							
Provides the results of a WHO	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTo	Unicon™ eLux

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WHOIS	AGENT	CLIENT EXTENSION							
IS lookup of the endpoint.								uch OS	
Adapter									
The name of the network adapter used to query the whois data. Dynamic property with text data type. Persists as `LOCAL_WHOIS_ADA`	✓	✓	✓	✓	✓		✓	✓	✓

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WHOIS	AGENT	CLIENT EXTENSION							
`PTER` for the local agent and `REMOTE_WHOIS_ADAPTER` for the remote device.									
Adapter VPN									
Determines whether the whois data was queried using a VPN conn	✓	✓	✓	✓	✓		✓	✓	✓

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WHOIS	AGENT	CLIENT EXTENSION							
ection. Dynamic property with boolean data type. Persists as `LOCAL_WHOIS_ADAPTER_VPN` for the local agent and `REMOTE_WHOIS_ADAPTER_VPN` for the remote device.									

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WHOIS	AGENT	CLIENT EXTENSION							
Country									
The country reported by the WHOIS provider. Dynamic property with text data type. Persists as `LOCAL_WHOIS_COUNTRY` for the local agent and `REMOTE_`	✓	✓	✓	✓	✓		✓	✓	✓

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WHOIS	AGENT	CLIENT EXTENSION							
`WHOIS_COUNTRY` for the remote device.									
County									
The county reported by the WHOIS provider. Dynamic property with text data type. Persists as `LOC`	✓	✓	✓	✓	✓		✓	✓	✓

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WHOIS	AGENT	CLIENT EXTENSION							
`AL_WHOIS_COUNTY` for the local agent and `REMOTE_WHOIS_COUNTY` for the remote device.									
DNS									
The results of a DNS lookup of the IP address. Dynamic property	✓	✓	✓	✓	✓		✓	✓	✓

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WHOIS	AGENT	CLIENT EXTENSION							
with text data type. Persists as `LOCAL_WHOIS_DNS` for the local agent and `REMOTE_WHOIS_DNS` for the remote device.									
IP									
The public IP address of the remote	✓	✓	✓	✓	✓		✓	✓	✓

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WHOIS	AGENT	CLIENT EXTENSION							
device. Dynamic property with ip, text data types. Persists as `LOCAL_WHOIS_IP` for the local agent and `REMOTE_WHOIS_IP` for the remote device.									
ISP									

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WHOIS	AGENT	CLIENT EXTENSION							
The ISP reported by the WHOIS provider. Dynamic property with text data type. Persists as `LOCAL_WHOIS_ISP` for the local agent and `REMOTE_WHOIS_ISP` for the remot	✓	✓	✓	✓	✓		✓	✓	✓

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WHOIS	AGENT	CLIENT EXTENSION							
e device.									
Provider									
The provider used to query the WHOIS results. Dynamic property with enum data type with options IP2Location, MaxMind. Persists as `LOC`	✓	✓	✓	✓	✓		✓	✓	✓

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WHOIS	AGENT	CLIENT EXTENSION							
`AL_WHOIS_PROVIDER` for the local agent and `REMOTE_WHOIS_PROVIDER` for the remote device.									
Proxy									
Set to true if a proxy is reported by the WHOIS	✓	✓	✓	✓	✓		✓	✓	✓

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WHOIS	AGENT	CLIENT EXTENSION							
provider. Dynamic property with boolean data type. Persists as `LOCAL_WHOIS_PROXY` for the local agent and `REMOTE_WHOIS_PROXY` for the remote device.									

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WHOIS	AGENT	CLIENT EXTENSION							
Proxy Type									
The type of proxy in use as reported by the WHOIS provider. Dynamic property with enum data type with options VPN, TOR, Hosted, Public, Residential	✓	✓	✓	✓	✓		✓	✓	✓

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WHOIS	AGENT	CLIENT EXTENSION							
. Persists as `LOCAL_WHOIS_PROXY_TYPE` for the local agent and `REMOTE_WHOIS_PROXY_TYPE` for the remote device.									
State									
The state reported by the WHO	✓	✓	✓	✓	✓		✓	✓	✓

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WHOIS	AGENT	CLIENT EXTENSION							
IS provider. Dynamic property with text data type. Persists as `LOCAL_WHOIS_STATE` for the local agent and `REMOTE_WHOIS_STATE` for the remote device.									
Town									

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WHOIS	AGENT	CLIENT EXTENSION							
The town reported by the WHOIS provider. Dynamic property with text data type. Persists as `LOCAL_WHOIS_TOWN` for the local agent and `REMOTE_WHOIS_TOWN` for the	✓	✓	✓	✓	✓		✓	✓	✓

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WHOIS	AGENT	CLIENT EXTENSION							
remote device.									
Usage									
A classification of the IP address as reported by the WHOIS provider. Dynamic property with text data type. Persists as `LOCAL_WHOIS`	✓	✓	✓	✓	✓		✓	✓	✓

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WHOIS	AGENT	CLIENT EXTENSION							
`_USAGE` for the local agent and `REMOTE_WHOIS_USAGE` for the remote device.									

Windows Properties

WINDOWS PROPERTY	AGENT	CLIENT EXTENSION							
Provides real-time properties unique to a Microsoft	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux

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WINDOWS PROPERTY	AGENT	CLIENT EXTENSION							
Windows device.									
Recall									
Determines whether Recall is available and active. Realtime property with enum data type with options Active and Inactive. Persists as	✓	✓							

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WINDOWS PROPERTY	AGENT	CLIENT EXTENSION							
`LOCAL_WINDOWS_RECALL` for the local agent and `REMOTE_WINDOWS_RECALL` for the remote device..									
SmartScreen for Microsoft Edge									
The state of SmartScreen for Micro	✓	✓							

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WINDOWS PROPERTY	AGENT	CLIENT EXTENSION							
soft Edge. Requires at least Windows 10 or Windows Server 2016. Realtime property with enum data type with options Off, Warn, Block. Persists as `LOCAL_WINDO`									

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WINDOWS PROPERTY	AGENT	CLIENT EXTENSION							
`WS_SMARTSCREEN_EDGE` for the local agent and `REMOTE_WINDOWS_SMARTSCREEN_EDGE` for the remote device.									
SmartScreen for Microsoft Store									
The state of SmartScre	✓	✓							

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WINDOWS PROPERTY	AGENT	CLIENT EXTENSION							
en for Microsoft Store apps. Requires at least Windows 10 or Windows Server 2016. Realtime property with enum data type with options Off, Warn. Persists as `LOCAL_WINDO`									

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WINDOWS PROPERTY	AGENT	CLIENT EXTENSION							
`WS_SMARTSCREEN_STORE` for the local agent and `REMOTE_WINDOWS_SMARTSCREEN_STORE` for the remote device.									
SmartScreen for Windows Explorer									
The state of Smar	✓	✓							

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WINDOWS PROPERTY	AGENT	CLIENT EXTENSION							
tScreen for Windows Explorer. Requires at least Windows 10 or Windows Server 2016. Realtime property with enum data type with options Off, Warn, Block. Persists as									

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WINDOWS PROPERTY	AGENT	CLIENT EXTENSION							
`LOCAL_WINDOWS_SMART SCREEN_EXPLORER` for the local agent and `REMOTE_WINDOWS_SMARTSCREEN_EXPLORER` for the remote device.									
UAC Enabled									
Set to true if	✓	✓							

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WINDOWS PROPERTY	AGENT	CLIENT EXTENSION							
the User Access Control (UAC) consent prompt is enabled. Realtime property with boolean data type. Persists as `LOCAL_WINDOWS_UAC_ENABLED` for the local agent									

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WINDOWS PROPERTY	AGENT	CLIENT EXTENSION							
and `REMOTE_WINDOWS_UAC_ENABLED` for the remote device.									
UAC Policy									
The User Access Control (UAC) consent prompt policy applied to administrators.	✓	✓							

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WINDOWS PROPERTY	AGENT	CLIENT EXTENSION							
Realtime property with enum data type with options Elevate without prompting, Prompt for credentials on secure desktop, Prompt for consent on secure desktop, Prompt for									

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WINDOWS PROPERTY	AGENT	CLIENT EXTENSION							
credentials on users desktop, Prompt for consent on users desktop, Prompt for consent for non-Windows binaries on secure desktop, Prompt for consent for non-Windows binari									

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WINDOWS PROPERTY	AGENT	CLIENT EXTENSION							
es on users desktop. Persists as `LOCAL_WINDOWS_UAC_POLICY` for the local agent and `REMOTE_WINDOWS_UAC_POLICY` for the remote device.									

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Windows Defender Properties

WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
Provides real-time properties describing the state of Microsoft Windows Defender Antivirus.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Antimalware Version									
The version of the anti-malware component	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
. Realtime property with version data type. Persists as `LOCAL_WINDOWSDEFENDER_VERSION_ANTIMALWARE` for the local agent and `REMOTE_WINDOWSDEFENDER_VERSION_`									

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
`ANTIMALWARE` for the remote device.									
Antispyware Version									
The version of the anti-spyware component. Realtime property with version data type. Persists as	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
`LOCAL_WINDOWSDEFENDER_VERSION_ANTISPYWARE` for the local agent and `REMOTE_WINDOWSDEFENDER_VERSION_ANTISPYWARE` for the remote device.									
Antivirus									

WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
Version									
The version of the anti-virus component. Realtime property with version data type. Persists as `LOCAL_WINDOWSDEFENDER_VERSION_ANTIVIRUS` for the local	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
agent and `REMOTE_WINDOWSDEFENDER_VERSION_ANTIVIRUS` for the remote device.									
Behavior Threats									
Determines the number of threats identified by behavioral analy	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
sis. Realtime property with number data type. Persists as `LOCAL_WINDOWSDEFENDER_BEHAVIORTHREATS` for the local agent and `REMOTE_WINDOWSDEFENDER_BEHAVIORTHRE`									

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
ATS for the remote device.									
Cloud Protection									
Defines the status of Cloud Delivered Protection, which enables Windows Defender to receive the latest protection	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
from the cloud. Realtime property with enum data type with options Disabled, Basic, Advanced. Persists as `LOCAL_WINDOWSDEFENDER_CLOUDPROTECTION` for the local									

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
agent and `REMOTE_WINDOWSDEFENDER_CLOUDPROTECTION` for the remote device.									
Controlled Folder Access									
Defines the status of Windows Defender Exploit	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
Guard's controlled folder access, which protects files, folders and memory from unauthorized changes by unfriendly applications. Realtime property with boolean data type. Persi									

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
sts as `LOCAL_WINDOWSDEFENDER_CONTROLLEDFOLDERACCESS` for the local agent and `REMOTE_WINDOWSDEFENDER_CONTROLLEDFOLDERACCESS` for the remote device.									

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
Engine Version									
The version of the engine. Realtime property with version data type. Persists as `LOCAL_WINDOWSDEFENDER_VERSION_ENGINE` for the local agent and	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
`REMOTE_WINDOWSDEFENDER_VERSION_ENGINE` for the remote device.									
Excluded Extensions									
Defines the file extensions excluded from Windows Defender. Realtime	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
property with text data type. Persists as `LOCAL_WINDOWSDEFENDER_EXCLUSIONS_EXTENSIONS` for the local agent and `REMOTE_WINDOWSDEFENDER_EXCLUSIONS_EXTENSIONS` for									

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
the remote device.									
Excluded Paths									
Defines the files or folders excluded from Windows Defender. Realtime property with text data type. Persists as `LOCAL_WINDO`	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
`WSDEFENDER_EXCLUSIONS_PATHS` for the local agent and `REMOTE_WINDOWSDEFENDER_EXCLUSIONS_PATHS` for the remote device.									
Excluded Processes									
Defines	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
the process names excluded from Windows Defender. Realtime property with text data type. Persists as `LOCAL_WINDOWSDEFENDER_EXCLUSIONS_PROCESSES` for the local									

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
agent and `REMOTE_WINDOWSDEFENDER_EXCLUSIONS_PROCESSES` for the remote device.									
Last Full Scan									
The time of the last full scan. Realtime property with datetime	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
data type. Persists as `LOCAL_WINDOWSDEFENDER_LASTFULLSCAN` for the local agent and `REMOTE_WINDOWSDEFENDER_LASTFULLSCAN` for the remote device.									

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
Last Quick Scan									
The time of the last quick scan. Realtime property with datetime data type. Persists as `LOCAL_WINDOWSDEFENDER_LASTQUICKSCAN` for the local agent and `REM`	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
`OTE_WINDOWS DEFENDER_LASTQUICKSCAN` for the remote device.									
Network Definition Version									
The version of the network definitions. Realtime property with versi	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
on data type. Persists as `LOCAL_WINDOWSDEFENDER_VERSION_NETWORKDEFINITION` for the local agent and `REMOTE_WINDOWSDEFENDER_VERSION_NETWORKDEFINITION` for the									

WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
remote device.									
Network Engine Version									
The version of the network engine. Realtime property with version data type. Persists as `LOCAL_WINDOWSDEFEND`	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
`ER_VERSION_NETWORKENGINE` for the local agent and `REMOTE_WINDOWSDEFENDER_VERSION_NETWORKENGINE` for the remote device.									
Real-Time Protection									
Set to true	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
when Windows Defender's real time protection is enabled, including behavior monitoring, downloaded files and attachment scanning, monitoring of file and program activity, raw									

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
volume write notifications, and process scanning. Realtime property with boolean data type. Persists as `LOCAL_WINDOWSDEFENDER_REALTIMEPROTECTION` for the local agent									

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
and `REMOTE_WINDOWSDEFENDER_REALTIMEPROTECTION` for the remote device.									
Sample Submission									
Defines the status of Windows Defender sample subm	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
ission, which sends sample files to Microsoft when further analysis is required. Realtime property with enum data type with options Prompt, Send Safe Samples Automatic									

WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
ally, Never Send Samples, Send All Samples Automatically. Persists as `LOCAL_WINDOWSDEFENDER_SAMPLESUBMISSION` for the local agent and `REMOTE_WINDOWSDEFENDER_`									

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
`SAMPLESUBMISSION` for the remote device.									
Signature Threats									
Determines the number of threats identified by their signature. Realtime property with number data type.	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
Persists as `LOCAL_WINDOWSDEFENDER_SIGNATURETHREATS` for the local agent and `REMOTE_WINDOWSDEFENDER_SIGNATURETHREATS` for the remote device.									
Status									

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
The status of Windows Defender. Realtime property with enum data type with options Active, Pending Full Scan, Pending Reboot, Pending Manual Steps, Pending Offlin	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
e Scan, Due Full Scan, Due Quick Scan, Inactive. Persists as `LOCAL_WINDOWSDEFENDER_STATUS` for the local agent and `REMOTE_WINDOWSDEFENDER_STATUS` for the remote									

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
device.									
Tamper Protection									
Set to true when Windows Defender is configured to prevent third party processes from changing its settings. Realtime property with boole	✓	✓							

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
an data type. Persists as `LOCAL_WINDOWSDEFENDER_TAMPERPROTECTION` for the local agent and `REMOTE_WINDOWSDEFENDER_TAMPERPROTECTION` for the remote									

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WINDOWS DEFENDER	AGENT	CLIENT EXTENSION							
device.									

Windows Firewall Properties

WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
Provides real-time properties describing the state of the Microsoft Windows Firewall.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Active Profile Block All Inbound									

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
Determines the active profiles which are configured to block all inbound traffic. Realtime property with enum data type with options Domain, Private, Public. Persists	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION
as `LOCAL_WINDOWSFIREWALL_ACTIVEPROFILES_BLOCKALLINBOUND` for the local agent and `REMOTE_WINDOWSFIREWALL_ACTIVEPROFILES_BLOCKALLINBOUND` for the remote		

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
device.									
Active Profile Disabled									
Determines the active profiles where the firewall is disabled. Realtime property with enum data type with options Domain, Private,	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
Public. Persists as `LOCAL_WINDOWSFIREWALL_ACTIVEPROFILES_DISABLED` for the local agent and `REMOTE_WINDOWSFIREWALL_ACTIVEPROFILES_DISABLED` for the remot									

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
e device.									
Active Profile Inbound Allowed									
Determines the active profiles which are cofigured to allow inbound traffic. Realtime property with enum data type	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
with options Domain, Private, Public. Persists as `LOCAL_WINDOWSFIREWALL_ACTIVEPROFILES_INBOUNDALLOWED` for the local agent and `REMOTE_WINDOWSFIREWALL_ACTI`									

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
`VEPROFILES_INBOUNDALLOWED` for the remote device.									
Active Profile Name									
Determines the names of the active profiles. Realtime property with enum	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
data type with options Domain, Private, Public. Persists as `LOCAL_WINDOWSFIREWALL_ACTIVEPROFILES_NAME` for the local agent and `REMOTE_WINDOWSFIREWALL_ACTI`									

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
`VEPROFILES_NAME` for the remote device.									
Active Profile Notifications Disabled									
Determines the active profiles which do not display a notification to the user	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION
when a program is blocked from receiving inbound connections. Realtime property with enum data type with options Domain, Private, Public. Persists as `LOCAL_WINDO`		

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION
`WSFIREWALL_ACTIVEPROFILES_DISABLEDNOTIFICATIONS` for the local agent and `REMOTE_WINDOWSFIREWALL_ACTIVEPROFILES_DISABLEDNOTIFICATIONS` for the remote		

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
device.									
Active Profile Outbound Allowed									
Determines the active profiles which are configured to allow outbound traffic. Realtime property with enum data type with	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION
options Domain, Private, Public. Persists as `LOCAL_WINDOWSFIREWALL_ACTIVEPROFILES_OUTBOUNDALLOWED` for the local agent and `REMOTE_WINDOWSFIREWALL_ACTIVEPR`		

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
`OFILES_OUTBOUNDALLOWED` for the remote device.									
Active Profile Respond to Multicast									
Determines the active profiles which respond to multicast or broad	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
cast network traffic. Realtime property with enum data type with options Domain, Private, Public. Persists as `LOCAL_WINDOWSFIREWALL_ACTIVEPROFILES_RESPONDTOM`									

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
`ULTICAST` for the local agent and `REMOTE_WINDOWSFIREWALL_ACTIVEPROFILES_RESPONDTOMULTICAST` for the remote device.									
Any Inbound Rules									
Determines the port	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
numbers which are allowed to receive an incoming connection from any process. Realtime property with text data type. Persists as `LOCAL_WINDOWSFIREWALL_INBOUNDRULES_`									

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
`ANY` for the local agent and `REMOTE_WINDOWSFIREWALL_INBOUNDRULES_ANY` for the remote device.									
Any Outbound Rules									
Determines the port numbers which are allow	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
ed to make an outgoing connection from any process. Realtime property with text data type. Persists as `LOCAL_WINDOWSFIREWALL_OUTBOUNDRULES_ANY` for the local agent									

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
and `REMOTE_WINDOWSFIREWALL_OUTBOUNDRULES_ANY` for the remote device.									
Inbound Package Rules									
Determines the package identifier and port number of all pack	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
ages allowed to receive an incoming connection. Realtime property with text data type. Persists as `LOCAL_WINDOWSFIREWALL_INBOUNDRULES_PACKAGES` for the local agent and									

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
`REMOTE_WINDOWSFIREWALL_INBOUNDRULES_PACKAGES` for the remote device.									
Inbound Program Rules									
Determines the filename and port number of all programs allow	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
ed to receive an incoming connection. Realtime property with text data type. Persists as `LOCAL_WINDOWSFIREWALL_INBOUNDRULES_PROGRAMS` for the local agent and `REMOTE_`									

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
`WINDOWS FIREWALL_INBOUND RULES_PROGRAMS` for the remote device.									
Inbound Service Rules									
Determines the service name and port number of all packages allow	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
ed to receive an incoming connection. Realtime property with text data type. Persists as `LOCAL_WINDOWSFIREWALL_INBOUNDRULES_SERVICES` for the local agent and `REMOTE_`									

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
`WINDOWS FIREWALL_INBOUND RULES_SERVICES` for the remote device.									
Inbound System Rules									
Determines the port numbers which are allowed to receive an incoming	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION
connection from system processes. Realtime property with text data type. Persists as `LOCAL_WINDOWSFIREWALL_INBOUNDRULES_SYSTEM` for the local agent and `REMOTE_`		

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
`WINDOWS FIREWALL_INBOUND RULES_SYSTEM` for the remote device.									
Outbound Package Rules									
Determines the package identifier and port number of all packages allow	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
ed to make an outgoing connection. Realtime property with text data type. Persists as `LOCAL_WINDOWSFIREWALL_OUTBOUNDRULES_PACKAGES` for the local agent and `REMOTE_`									

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
`WINDOWS FIREWALL_OUTBOUNDRULES_PACKAGES` for the remote device.									
Outbound Program Rules									
Determines the filename and port number of all programs allowed to	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
make an outgoing connection. Realtime property with text data type. Persists as `LOCAL_WINDOWSFIREWALL_OUTBOUNDRULES_PROGRAMS` for the local agent and `REMOTE_WIND`									

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
`OWS FIREWALL_OUTBOUNDRULES_PROGRAMS` for the remote device.									
Outbound Service Rules									
Determines the service name and port number of all packages allowed to	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
make an outgoing connection. Realtime property with text data type. Persists as `LOCAL_WINDOWSFIREWALL_OUTBOUNDRULES_SERVICES` for the local agent and `REMOTE_WIND`									

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
`OWS FIREWALL_OUTBOUNDRULES_SERVICES` for the remote device.									
Outbound System Rules									
Determines the port numbers which are allowed to make an outgoing conn	✓	✓							

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION
ection from system processes. Realtime property with text data type. Persists as `LOCAL_WINDOWSFIREWALL_OUTBOUNDRULES_SYSTEM` for the local agent and `REMOTE_WIND`		

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WINDOWS FIREWALL	AGENT	CLIENT EXTENSION							
`OWS FIREWALL _OUTBOUNDRULES_SYSTEM` for the remote device.									

Windows Registry Properties

WINDOWS REGISTRY	AGENT	CLIENT EXTENSION							
Provides access to Windows Registry entries.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Count									

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WINDOWS REGISTRY	AGENT	CLIENT EXTENSION							
The number of Windows Registry entries. Realtime property with number data type. Persists as `LOCAL_WINDOWSREGISTRY_COUNT` for the local agent and `REMOTE_WINDOWSR`	✓	✓							

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WINDOWS REGISTRY	AGENT	CLIENT EXTENSION							
`EGISTRY_COUNT` for the remote device.									
Data									
The Windows Registry data. Realtime property with text, number, boolean, datetime, ip, position data types. Persi	✓	✓							

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WINDOWS REGISTRY	AGENT	CLIENT EXTENSION							
sts as `LOCAL_WINDOWSREGISTRY_X_DATA` for the local agent and `REMOTE_WINDOWSREGISTRY_X_DATA` for the remote device.									
Path									
The Windows Registry path.	✓	✓							

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WINDOWS REGISTRY	AGENT	CLIENT EXTENSION							
Realtime property with text data type. Persists as `LOCAL_WINDOWSREGISTRY_X_PATH` for the local agent and `REMOTE_WINDOWSREGISTRY_X_PATH` for the remote device.									

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WINDOWS REGISTRY	AGENT	CLIENT EXTENSION							
Value									
The Windows Registry value. Realtime property with text data type. Persists as `LOCAL_WINDOWSREGISTRY_X_VALUE` for the local agent and `REMOTE_WINDOWSR`	✓	✓							

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WINDOWS REGISTRY	AGENT	CLIENT EXTENSION							
`EGISTRY_X_VALUE` for the remote device.									

Windows Update Properties

WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
Describes the status of Microsoft Windows Update.	Microsoft Windows	Microsoft Windows	Apple macOS	Apple iOS	Ubuntu	Chrome OS	IGEL OS	Stratodesk NoTouch OS	Unicon™ eLux
Critical KB									

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
The knowledge base article IDs of any pending critical updates. Realtime property with text data type. Persists as `LOCAL_WINDOWSUPDATE_CRITICAL` for the local	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
agent and `REMOTE_WINDOWSUPDATE_CRITICAL` for the remote device.									
Critical Release Date									
The deployment date of the oldest pending critical update.	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
Realtime property with datetime data type. Persists as `LOCAL_WINDOWSUPDATE_CRITICAL_RELEASEDATE` for the local agent and `REMOTE_WINDOWSUPDATE_CRITICAL_R`									

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
`ELEASEDATE` for the remote device.									
Definition KB									
The knowledge base article IDs of any pending definition updates. Realtime property with text data type.	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
Persists as `LOCAL_WINDOWSUPDATE_DEFINITION` for the local agent and `REMOTE_WINDOWSUPDATE_DEFINITION` for the remote device.									
Definition Rele									

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
ase Date									
The deployment date of the oldest pending definition update. Realtime property with datetime data type. Persists as `LOCAL_WINDOWSUPDATE_DEFINITION_`	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
`RELEASEDATE` for the local agent and `REMOTE_WINDOWSUPDATE_DEFINITION_RELEASEDATE` for the remote device.									
Enabled									
Set to true whenever the	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
Windows Update service is enabled. Realtime property with boolean data type. Persists as `LOCAL_WINDOWSUPDATE_ENABLED` for the local agent and `REMOTE_WIND`									

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
`OWS UPDATE_ENABLED` for the remote device.									
Last Install									
Set to the time that Windows Update last installed updates. Realtime property with datetime	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
data type. Persists as `LOCAL_WINDOWSUPDATE_LASTINSTALL` for the local agent and `REMOTE_WINDOWSUPDATE_LASTINSTALL` for the remote device.									

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
Last Search									
Set to the time that Windows Update last checked for updates. Realtime property with datetime data type. Persists as `LOCAL_WINDOWSUPDATE`	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
`_LASTSEARCH` for the local agent and `REMOTE_WINDOWSUPDATE_LASTSEARCH` for the remote device.									
Notification Level									
Represents how Windows Update is	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
configured to notify the user. Realtime property with enum data type with options Not Configured, Disabled, Notify Before Download, Notify Before Install, Scheduled Instal									

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
l. Persists as `LOCAL_WINDOWSUPDATE_NOTIFICATIONLEVEL` for the local agent and `REMOTE_WINDOWSUPDATE_NOTIFICATIONLEVEL` for the remote device.									

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
Reboot Required									
Set to true whenever Windows Update is awaiting a reboot to finish updating. Realtime property with boolean data type. Persists as `LOCAL_W`	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
`INDOWSUPDATE_REBOOTREQUIRED` for the local agent and `REMOTE_WINDOWSUPDATE_REBOOTREQUIRED` for the remote device.									
Rollup KB									
The knowledge base	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
article IDs of any pending rollup updates. Realtime property with text data type. Persists as `LOCAL_WINDOWSUPDATE_ROLLUP` for the local agent and `REMOTE_WIND`									

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
`OWS UPDATE_ROLLUP` for the remote device.									
Rollup Release Date									
The deployment date of the oldest pending rollup update. Realtime property with datetime	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
data type. Persists as `LOCAL_WINDOWSUPDATE_ROLLUP_RELEASEDATE` for the local agent and `REMOTE_WINDOWSUPDATE_ROLLUP_RELEASEDATE` for the remote									

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
device.									
Security KB									
The knowledge base article IDs of any pending security updates. Realtime property with text data type. Persists as `LOCAL_WINDOWSUP`	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
`DATE_SECURITY` for the local agent and `REMOTE_WINDOWSUPDATE_SECURITY` for the remote device.									
Security Release Date	✓	✓							
The deployment date of the oldes	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
t pending security update. Realtime property with datetime data type. Persists as `LOCAL_WINDOWSUPDATE_SECURITY_RELEASEDATE` for the local agent and `REM`									

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
`OTE_WINDOWS UPDATE_SECURITY_RELEASED ATE` for the remote device.									
ServicePack KB									
The knowledge base article IDs of any pending service pack updat	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
es. Realtime property with text data type. Persists as `LOCAL_WINDOWSUPDATE_SERVICEPACK` for the local agent and `REMOTE_WINDOWSUPDATE_SERVICEPACK` for the									

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
remote device.									
ServicePack Release Date									
The deployment date of the oldest pending service pack update. Realtime property with datetime data type. Persi	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
sts as `LOCAL_WINDOWSUPDATE_SERVICEPACK_RELEAEDATE` for the local agent and `REMOTE_WINDOWSUPDATE_SERVICEPACK_RELEAEDATE` for the remote device.									

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
Update KB									
The knowledge base article IDs of any pending updates. Realtime property with text data type. Persists as `LOCAL_WINDOWSUPDATE_UPDATE` for the	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
local agent and `REMOTE_WINDOWSUPDATE_UPDATE` for the remote device.									
Update Release Date									
The deployment date of the oldest pending update. Realtime	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
property with datetime data type. Persists as `LOCAL_WINDOWSUPDATE_UPDATE_RELEASEDATE` for the local agent and `REMOTE_WINDOWSUPDATE_UPDATE_RELEASEDATE`									

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
for the remote device.									
Version									
Set to the version number of Windows Update. Realtime property with version data type. Persists as `LOCAL_WINDOWSUP`	✓	✓							

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WINDOWS UPDATE PROPERTY	AGENT	CLIENT EXTENSION							
`DATE_VERSION` for the local agent and `REMOTE_WINDOWSUPDATE_VERSION` for the remote device.									

Access Mode Template

This template imports a predefined context that defines whether the local device is internal or external to the corporate network, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites

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- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Access Mode	Defines if the local device is internal or external to the corporate network.	None

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Conditional Application Access Template

This template imports a predefined action that hides or denies access to applications in the session, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Actions

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Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking within the session.	Deactivated	You must update the following context condition with data suitable for your environment
			FSLOGIX APP MASKING. Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa.
			TERMINATE APP. Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker within the session.	Deactivated	You must update the following context condition with data suitable for your environment
			MICROSOFT APPLOCKER. Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Country Template

This template imports a predefined context that defines the country in which the local device is located, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

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Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Country	Defines the country in which the local device is located.	None

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Country Provider Template

This template imports a predefined context that defines the the country provider that reports the country in which the local device is located, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

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Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Country Provider	Defines the country provider that reports the country in which the local device is located.	None

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Device Location IP Address Template

This template imports a predefined context that defines the location of a local device based on its IP address, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Device Location	Defines the location of a local device based on its IP address.	You must update the following context condition with data suitable for your environment: `LOCAL - NETWORK IPV4 SUBNET IPv4 Range From 1.1.1.1 to 1.1.1.254,...` *Replace the IPv4 range for Floor 1, Floor 2, Floor 3,... with the IPv4 range representing the target location. Example: 1.1.1.1 to 1.1.1.254*

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Device Location NetBIOS Name Template

This template imports a predefined context that defines the location of a local device based on its NetBIOS name, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

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Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Device Location	Defines the location of a local device based on its NetBIOS name.	You must update the following context condition with data suitable for your environment: LOCAL - NAME NAME Any Of 3 ITEMS,... Replace DEVICE_NAME_X for Floor 1, Floor 2, Floor 3,... with the device names representing the target location. Example: DE-SG01

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Device Location Wi-Fi Access Point Template

This template imports a predefined context that defines the location of a local device based on its connected Wi-Fi access point, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

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Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Device Location	Defines the location of a local device based on its connected Wi-Fi access point.	You must update the following context condition with data suitable for your environment: LOCAL - NETWORK WI-FI BSSID Any Of 3 ITEMS,... Replace ENTER_YOUR_WIFI_BSSID_HERE_X for Floor 1, Floor 2, Floor 3,... with the Wi-Fi BSSIDs representing the target location. Example: 00:01:02:03:04:EE

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Building Blocks Templates

Individual contexts and actions that can be used as building blocks within your configuration.

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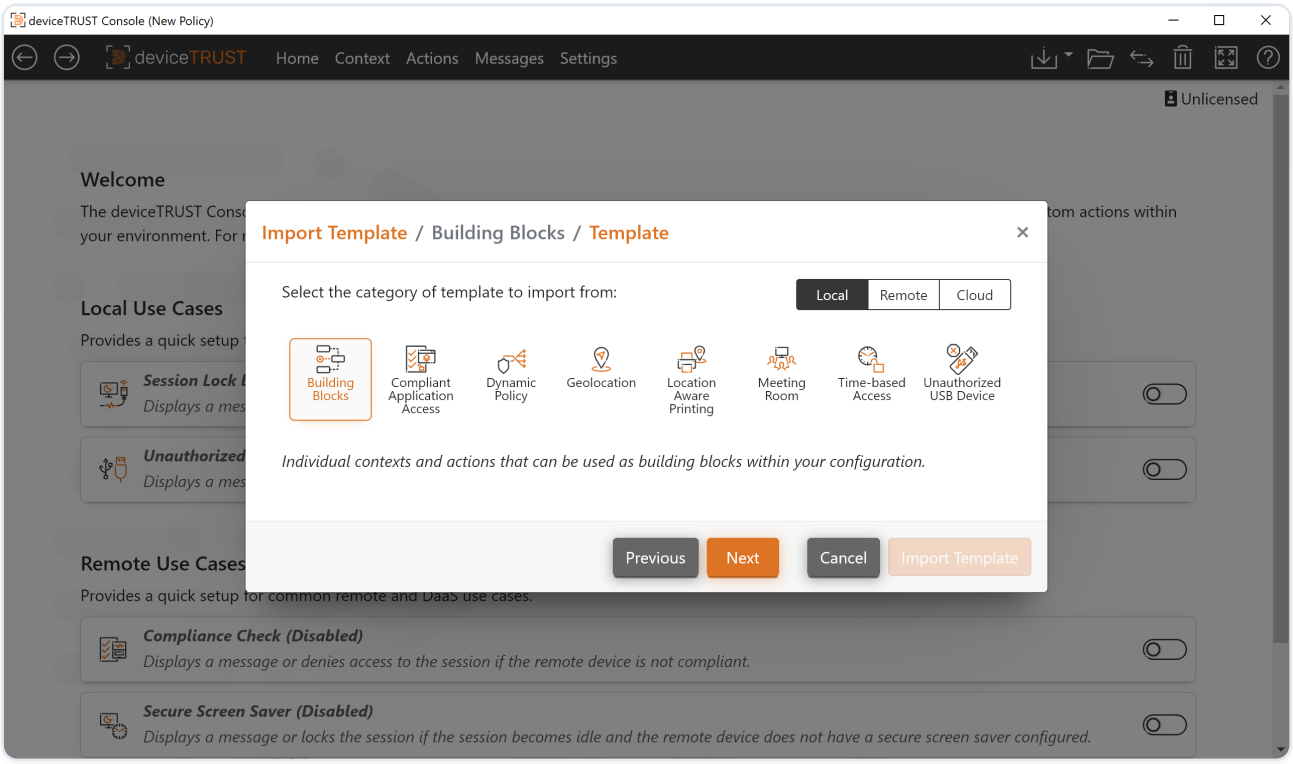


TABLE OF CONTENTS

- Access Mode - Defines if the local device is internal or external to the corporate network.
- Conditional Application Access - Hides or denies applications within the session.
- Country - Defines the country in which the local device is located.
- Country Provider - Defines the country provider that reports the country in which the local device is located.
- Device Location IP Address - Defines the location of a local device based on its IP address.
- Device Location NetBIOS Name - Defines the location of a local device based on its NetBIOS name.
- Device Location Wi-Fi Access Point - Defines the location of a local device based on its connected Wi-Fi access point.
- Operating System Update - Defines if a recent update search has been performed and that critical updates have been installed.
- Override - Defines if the session user is a member of the override AD group.
- Policy Mode from AD Group - Defines if the deviceTRUST policy runs in active or passive mode based upon the membership of an AD group.
- Policy Mode from Date - Defines if the deviceTRUST policy runs in active or passive mode based upon a fixed date.

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- Proximity - Defines the proximity of the local device to a given position.
- Session Idle - Defines if the session is idle.
- Unauthorized USB Device - Defines if an unauthorized USB device (Stick, Camera and Mobile Phone) is plugged into the local device.
- VPN Connected - Defines if a network adapter of the local device is connected to a VPN network.
- Wi-Fi Security Mode - Defines if the local device is connected to a secure Wi-Fi network.
- Working Time - Defines if the current time is within work hours.

Operating System Update Template

This template imports a predefined context that defines if a recent update search has been performed and that critical updates have been installed on the local device, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Operating System Update	Defines if a recent update search has been performed	None

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
	and that all updates have been installed.	

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Override Template

This template imports a predefined context that defines whether the session user is a member of the override AD group, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Override	Defines if the session user is member of the override AD group.	You can add one or more user groups from your Microsoft Active Directory (AD) to exclude group members from actions.

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Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Policy Mode from AD Group Template

This template imports a predefined context that defines whether the deviceTRUST policy runs in active or passive mode based upon the membership of an AD group, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Policy Mode	Defines if the deviceTRUST policy runs in active or passive mode based upon the membership of an AD group.	You can add one or more user groups from your Microsoft Active Directory (AD) to activate the deviceTRUST policy for those users.

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Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Policy Mode from Date Template

This template imports a predefined context that defines whether the deviceTRUST policy runs in active or passive mode based upon a fixed date, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Policy Mode	Defines if the deviceTRUST policy runs in active or passive mode based upon a date.	You must set a date to run the deviceTRUST policy in active or passive mode.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

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Proximity Template

This template imports a predefined context that defines the proximity of the local device to a given position, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Proximity	Defines the proximity of the local device to a given position.	You must update the following context condition with data suitable for your environment: LOCAL - LOCATION POSITION In Range 500 METERS FROM 0,0,... Replace 0,0 with your target position and define the range to the given position on all conditions. Example: 49.8971,8.9258

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Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Session Idle Template

This template imports a predefined context that defines if the session is idle, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Session Idle	Defines if the session is idle.	You must update the following context condition with data suitable for your environment
		`LOCAL - SESSION IDLE PERIODE Greater Than 10`

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		Configure a maximum idle time in minutes for your environment.
		Example: 10

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Unauthorized USB Device Template

This template imports a predefined context that defines whether an unauthorized USB device (Stick, Camera and Mobile Phone) is plugged into the local device, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Unauthorized USB Device	Defines if an unauthorized USB device such as a Stick, Camera or Mobile Phone, plugged into the local device.	You must update the following context condition with data suitable for your environment
		`LOCAL - LOGICAL DISK IDENTITY Not Equals 0x000,0x000,ABC123456`
		When checking for unauthorized USB devices, add all of your authorized USB devices by Vendor ID (VID), Product ID (PID) and / or Serial Number.
		Example: 0x0781,0x5567,4C530000110526106001 SanDisk Cruzer Blade USB Device.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

VPN Connected Template

This template imports a predefined context that defines whether a network adapter of the local device is connected to a VPN network, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

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Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
VPN Connected	Defines if a network adapter on the local device is connected to a VPN network.	None

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Wi-Fi Security Mode Template

This template imports a predefined context that defines whether the local device is connected to a secure Wi-Fi network, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

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Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Wi-Fi Security Mode	Defines if the local device is connected to a secure Wi-Fi network.	None

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Working Time Template

This template imports a predefined context that defines whether the current time is within work hours, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Working Time	Defines if the current time is within the working time.	You must update the following context condition with data suitable for your environment
		`LOCAL - SESSION TIME Time Of Day EVERYDAY BETWEEN 08:00 AND 18:00`
		Adjust your work hours to fit your requirements.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Country Template

This template creates a configuration that hides or denies access to applications in the session based on the country of the local device. It can be found in the `COMPLIANT APPLICATION ACCESS` category when filtered for `LOCAL` platform.

If the local device is not located within an authorized country, you can choose between two actions:

- Hides applications with FSLogix App Masking based on the country.
- Denies access to applications with Microsoft AppLocker based on the country.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

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Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Country	Defines the country.	None
Country Provider	Defines the provider that reports the country information.	None

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Country - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking based on the country.	Deactivated	You must update the following context condition with data suitable for your environment
			COUNTRY None Of AUTHORIZED_COUNTRY_1,... Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			Alpha-2 code. Example: US
			FSLOGIX APP MASKING Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa
			TERMINATE APP Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe
Country - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker based on the country.	Deactivated	You must update the following context condition with data suitable for your environment
			COUNTRY None Of AUTHORIZED_COUNTRY_1,... Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			MICROSOFT APPLOCKER Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe

If both actions have been disabled, the contexts will still be created.

Country codes are based on ISO 3166-1 Alpha-2 code.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Compliant Application Access Templates

Controls access to applications within the session.

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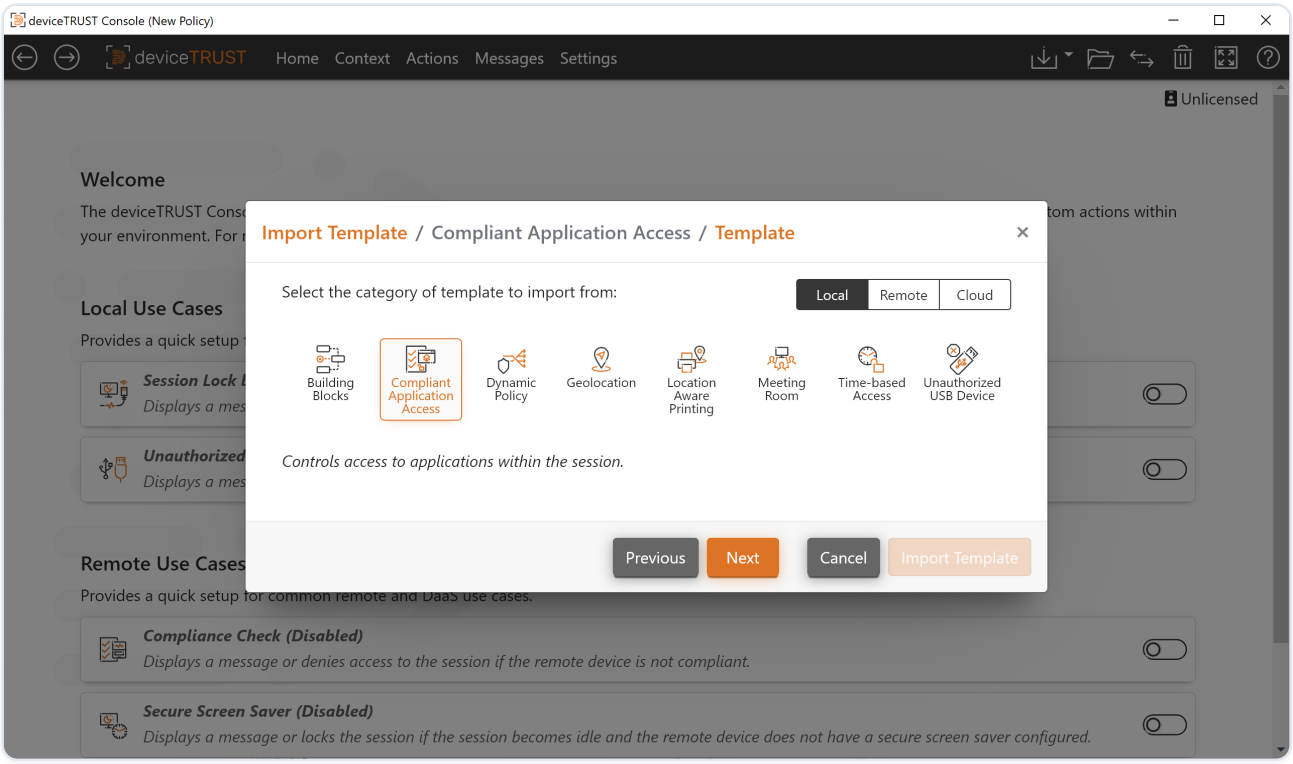


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- Country - Hides or denies access to applications in the session based on the country of the local device.
- Proximity - Hides or denies access to applications in the session based on the proximity of the local device to a given position.
- Security State - Hides or denies access to applications in the session based on the Security State of the local device.
- Wi-Fi Security Mode - Hides or denies access to applications in the session when the local device is connected to an insecure Wi-Fi network.
- Working Time - Hides or denies access to applications in the session outside of working hours.

Proximity Template

This template creates a configuration that hides or denies access to applications in the session based on the proximity of the local device to a given position. It can be found in the `COMPLIANT APPLICATION ACCESS` category when filtered for `LOCAL` platform.

If the local device is not in proximity to a given position, you can choose between two actions:

- Hides applications with FSLogix App Masking based on the proximity to a given position.

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- Denies access to applications with Microsoft AppLocker based on the proximity to a given position.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Proximity	Defines the proximity to a given position.	You must update the following context condition with data suitable for your environment: `LOCAL - LOCATION POSITION In Range 500 METERS FROM 0,0,...` *Replace 0,0 with your target position and define the range to the given position on all conditions. Example: 49.8971,8.9258*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

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Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Proximity - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking based on the proximity to a given position.	Deactivated	You must update the following context condition with data suitable for your environment
			`FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa*
			`TERMINATE APP` *Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe*
Proximity - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker based on the proximity to a given position.	Deactivated	You must update the following context condition with data suitable for your environment

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			`MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

NOTE:

If both actions have been disabled, the contexts will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Security State Template

This template creates a configuration that hides or denies access to applications in the session based on the security state of the local device. It can be found in the `COMPLIANT APPLICATION ACCESS` category when filtered for `LOCAL` platform.

If the security state of the local device is unprotected, you can choose between two actions:

- Hides applications with FSLogix App Masking based on the security state.
- Denies access to applications with Microsoft AppLocker based on the security state.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites

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- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Security State	Defines the security status of the local device.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Security State - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking within the session based on the Security State of the local device.	Deactivated	You must update the following context condition with data suitable for your environment FSLOGIX APP MASKING *Replace ENTER_YOUR_FXA _PATH_HERE with*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa
			TERMINATE APP *Replace ENTER_PROCESS_NAME_HERE with your target process name on all Terminate App tasks. Example: notepad++.exe*
Security State - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker within the session based on the security state of the local device.	Deactivated	You must update the following context condition with data suitable for your environment
			MICROSOFT APPLOCKER *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

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NOTE:

If both actions have been disabled, the contexts will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Wi-Fi Security Mode Template

This template creates a configuration that hides or denies access to applications in the session when the local device is connected to an insecure Wi-Fi network. It can be found in the `COMPLIANT APPLICATION ACCESS` category when filtered for `LOCAL` platform.

If the local device is using an insecure Wi-Fi network, you can choose between two actions:

- Hides applications with FSLogix App Masking for insecure Wi-Fi networks.
- Denies access to applications with Microsoft AppLocker for insecure Wi-Fi networks.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following context:

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Wi-Fi Security Mode	Defines the Wi-Fi network security mode.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Wi-Fi Security Mode - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking for insecure Wi-Fi networks.	Deactivated	You must update the following context condition with data suitable for your environment
			FSLOGIX APP MASKING *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa
			TERMINATE APP Replace ADD_PROCESS_NAME_X with your

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			target process name on all Terminate App tasks. Example: notepad++.exe
Wi-Fi Security Mode - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker for insecure Wi-Fi networks.	Deactivated	You must update the following context condition with data suitable for your environment
			MICROSOFT APPLOCKERReplace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks.Example: %PROGRAMFILES%\Notepad++\notepad++.exe

NOTE:

If both actions have been disabled, the contexts will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Working Time Template

This template creates a configuration that hides or denies access to applications in the session outside of working hours. It can be found in the `COMPLIANT APPLICATION ACCESS` category when filtered for `LOCAL` platform.

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If the session is accessed outside of working hours, you can choose between two actions:

- Hides applications with FSLogix App Masking within the session when accessed outside of working time.
- Denies access to applications with Microsoft AppLocker within the session when accessed outside of working time.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Working Time	Defines if the current time is within the working time.	You must update the following context condition with data suitable for your environment
		`LOCAL - SESSION TIME Time Of Day EVERYDAY BETWEEN 08:00 AND 18:00`
		Adjust your work hours to fit your requirements.

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NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Working Time - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking within the session when accessed outside of working time.	Deactivated	You must update the following context condition with data suitable for your environment: FSLOGIX APP MASKING *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa* TERMINATE APP *Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe*
Working Time - Conditional Application Access -	Denies access to applications with Microsoft AppLocker within the session	Deactivated	You must update the following context condition with data suitable for your

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Enforcement - Microsoft AppLocker	when accessed outside of working time.		environment: MICROSOFT APPLOCKER *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

NOTE:

If both actions have been disabled, the contexts will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Dynamic Policy Templates

Applies a dynamic policy within the session.

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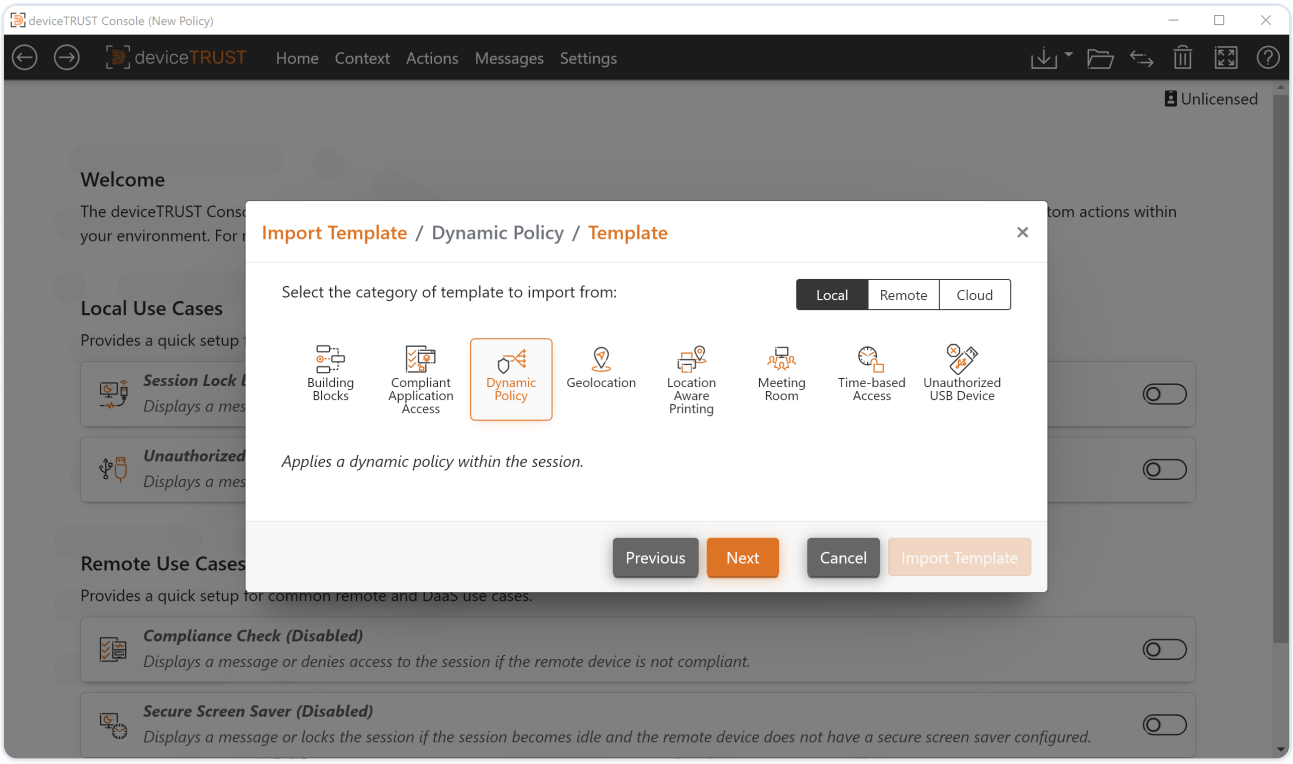


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- Session Lock based on Network Type - Locks the session if the session becomes idle based on the network type.
- Session Lock based on VPN Connection - Locks the session if the session becomes idle based on the VPN connected state.
- Session Lock based on Wi-Fi Security Mode - Locks the session if the session becomes idle based on the Wi-Fi security mode.

Session Lock based on Network Type Template

This template creates a configuration that locks the session if the session becomes idle based on the network type. It can be found in the `DYNAMIC POLICY` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts

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- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Session Idle	Defines the session idle state of a corporate network connected device.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an enforcement action that actively controls access to the session. By default, the enforcement action is enabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Session Idle - Conditional Access - Enforcement	Locks the session if the session becomes idle.	Activated	None

NOTE:

If the action has been disabled, the context will still be created.

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Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Session Lock based on VPN Connection Template

This template creates a configuration that locks the session if the session becomes idle based on the VPN connected state. It can be found in the `DYNAMIC POLICY` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Session Idle	Defines the session idle state of a VPN connected device.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

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Step 3: Actions

The template includes an enforcement action that actively controls access to the session. By default, the enforcement action is enabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Session Idle - Conditional Access - Enforcement	Locks the session if the session becomes idle.	Activated	None

NOTE:

If the action has been disabled, the context will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Session Lock based on Wi-Fi Security Mode Template

This template creates a configuration that locks the session if the session becomes idle based on the Wi-Fi security mode. It can be found in the `DYNAMIC POLICY` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

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Step 2: Contexts

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Session Idle	Defines the session idle state of a device connected to a Wi-Fi network.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an enforcement action that actively controls access to the session. By default, the enforcement action is enabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Session Idle - Conditional Access - Enforcement	Locks the session if the session becomes idle.	Activated	None

NOTE:

If the action has been disabled, the context will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Conditional Application Access for Country Template

This template creates a configuration that hides or denies access to applications in the session based on the country of the local device. It can be found in the `GEOLOCATION` category when filtered for `LOCAL` platform.

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If the local device is not located within an authorized country, you can choose between two actions:

- Hides applications with FSLogix App Masking based on the country.
- Denies access to applications with Microsoft AppLocker based on the country.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Country	Defines the country.	None
Country Provider	Defines the provider that reports the country information.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

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Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Country - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking based on the country.	Deactivated	You must update the following context condition with data suitable for your environment
			`COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US*
			`FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa*
			`TERMINATE APP` *Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			tasks. Example: notepad++.exe
Country - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker based on the country.	Deactivated	You must update the following context condition with data suitable for your environment
			`COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US*
			`MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

NOTE:

- If both actions have been disabled, the contexts will still be created.
- Country codes are based on ISO 3166-1 Alpha-2 code.

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Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Conditional Application Access for Proximity Template

This template creates a configuration that hides or denies access to applications in the session based on the proximity of the local device to a given position. It can be found in the `GEOLOCATION` category when filtered for `LOCAL` platform.

If the local device is not in proximity to a given position, you can choose between two actions:

- Hides applications with FSLogix App Masking based on the proximity to a given position.
- Denies access to applications with Microsoft AppLocker based on the proximity to a given position.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Proximity	Defines the proximity to a given position.	You must update the following context condition with data suitable for your

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		environment: `LOCAL - LOCATION POSITION In Range 500 METERS FROM 0,0,...` *Replace 0,0 with your target position and define the range to the given position on all conditions. Example: 49.8971,8.9258*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Proximity - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking based on the proximity to a given position.	Deactivated	You must update the following context condition with data suitable for your environment
			`FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			\NotepadPlusPlus.fxa
			`TERMINATE APP` *Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe*
Proximity - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker based on the proximity to a given position.	Deactivated	You must update the following context condition with data suitable for your environment
			`MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

NOTE:

If both actions have been disabled, the contexts will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

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Geolocation Templates

Validates and controls access based on geolocation information of the local device.

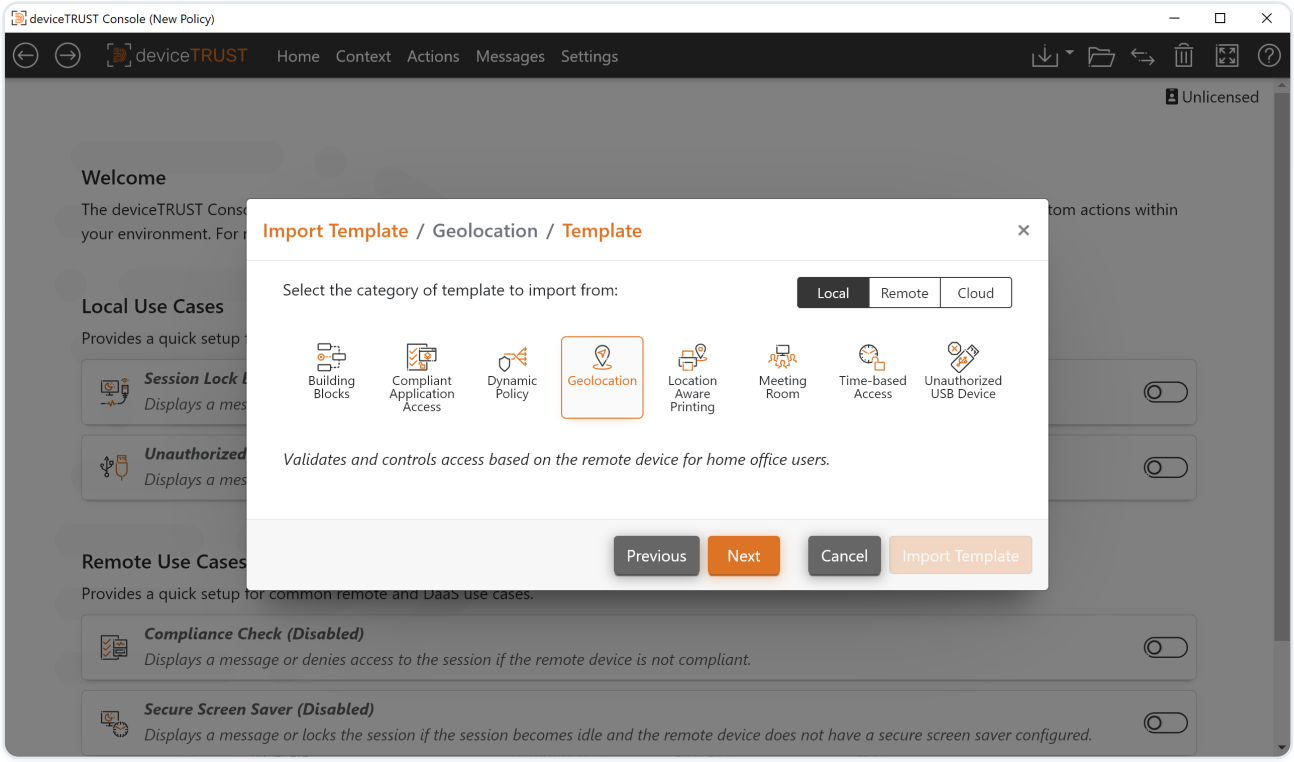


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- Conditional Application Access for Country - Hides or denies access to applications in the session based on the country of the local device.
- Conditional Application Access for Proximity - Hides or denies access to applications in the session based on the proximity of the local device to a given position.

Location Aware Printing Templates

Maps network printers and defines a default printer based on the device placement within a building.

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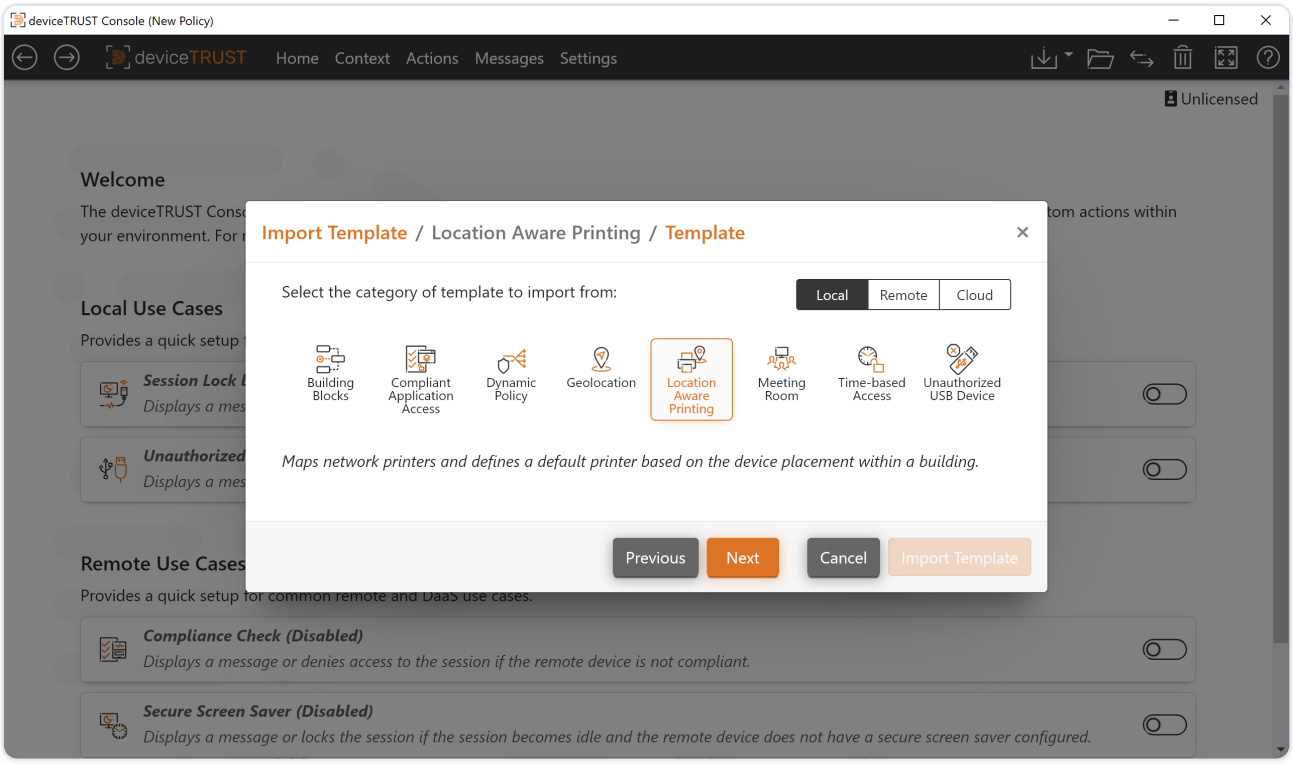


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- IP Address - Maps network printers and defines a default printer based on the location of the local device using its IP address.
- NetBIOS Name - Maps network printers and defines a default printer based on the location of the local device using its NetBIOS name.
- Wi-Fi Access Point - Maps network printers and defines a default printer based on the location of the local device using its connected Wi-Fi access point.

IP Address Template

This template creates a configuration that maps network printers and defines a default printer based on the location of the local device using its IP address. It can be found in the `LOCATION AWARE PRINTING` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts

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- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Device Location	Defines the location of a device based on its IP address.	You must update the following context condition with data suitable for your environment: `LOCAL - NETWORK IPV4 SUBNET IPv4 Range From 1.1.1.1 to 1.1.1.254` *Replace the IPv4 range for Floor 1, Floor 2, Floor 3,... with the IPv4 range representing the target location. Example: 1.1.1.1 to 1.1.1.254*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an enforcement action that actively configures the session. By default, the enforcement action is enabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Conditional Configuration -	Maps network printers and defines	Activated	You must update the following context

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Printer Management - IP Address	a default printer based on the location of the device using its IP address.		condition with data suitable for your environment: `MAP PRINTER Unknown, MAP PRINTER Floor 1, MAP PRINTER Floor 2,...` *Configure printers for each location within the target map printer task. Example: \DTLDPS01\Corporate Printer*

NOTE:

If the action has been disabled, the context will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

NetBIOS Name Template

This template creates a configuration that maps network printers and defines a default printer based on the location of the local device using its NetBIOS name. It can be found in the `LOCATION AWARE PRINTING` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts

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- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Device Location	Defines the location of a device based on its NetBIOS name.	You must update the following context condition with data suitable for your environment: `LOCAL - NAME NAME Any Of 3 ITEMS,...` *Replace DEVICE_NAME_X for Floor 1, Floor 2, Floor 3,... with the device names representing the target location. Example: DE-SG01*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an enforcement action that actively configures the session. By default, the enforcement action is enabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Conditional Configuration - Printer Management - NetBIOS name	Maps network printers and defines a default printer based on the location of the device	Activated	You must update the following context condition with data suitable for your environment: `MAP`

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
	using its NetBIOS name.		`PRINTER Unknown, MAP PRINTER Floor 1, MAP PRINTER Floor 2,...` *Configure printers for each location within the target map printer task. Example: \DTLDPS01\Corporate Printer*

NOTE:

If the action has been disabled, the context will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Wi-Fi Access Point Template

This template creates a configuration that maps network printers and defines a default printer based on the location of the local device using its connected Wi-Fi access point. It can be found in the `LOCATION AWARE PRINTING` category when filtered for `LOCAL` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

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Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Device Location	Defines the location of a device based on its connected Wi-Fi access point.	You must update the following context condition with data suitable for your environment: `LOCAL - NETWORK WI-FI BSSID Any Of 3 ITEMS,...` *Replace ENTER_YOUR_WIFI_BSSID _HERE_X for Floor 1, Floor 2, Floor 3,... with the Wi-Fi BSSIDs representing the target location. Example: 00:01:02:03:04:EE*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an enforcement action that actively configures the session. By default, the enforcement action is enabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Conditional Configuration - Printer Management - Wi-Fi access point	Maps network printers and defines a default printer based on the location of the device	Activated	You must update the following context condition with data suitable for your environment: `MAP`

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
	using its connected Wi-Fi access point.		`PRINTER Unknown, MAP PRINTER Floor 1, MAP PRINTER Floor 2,...` *Configure printers for each location within the target map printer task. Example: \DTLDPS01\Corporate Printer*

NOTE:

If the action has been disabled, the context will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Conditional Application Access Template

This template creates a configuration that hides or denies access to applications in the session outside of working hours. It can be found in the `TIME-BASED ACCESS` category when filtered for `LOCAL` platform.

If the session is accessed outside of working hours, you can choose between two actions:

- Hides applications with FSLogix App Masking within the session when accessed outside of working time.
- Denies access to applications with Microsoft AppLocker within the session when accessed outside of working time.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your local environment. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your local environment.

We will perform the following steps:

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- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console and License) are not yet installed, please visit the Getting Started for Local guide and complete step 1 to 4 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Working Time	Defines if the current time is within the working time.	You must update the following context condition with data suitable for your environment: `LOCAL - SESSION TIME Time Of Day EVERYDAY BETWEEN 08:00 AND 18:00` *Adjust your work hours to fit your requirements.*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Working Time - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking within the session when accessed outside of working time.	Deactivated	You must update the following context condition with data suitable for your environment: `COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US* `FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa* `TERMINATE APP` *Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe*
Working Time - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker within the session when accessed	Deactivated	You must update the following context condition with data suitable for your environment: `COUNTRY None Of`

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
	outside of working time.		`AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US* `MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

NOTE:

If both actions have been disabled, the contexts will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Time-based Access Templates

Controls access to the session or applications when accessed outside of working hours.

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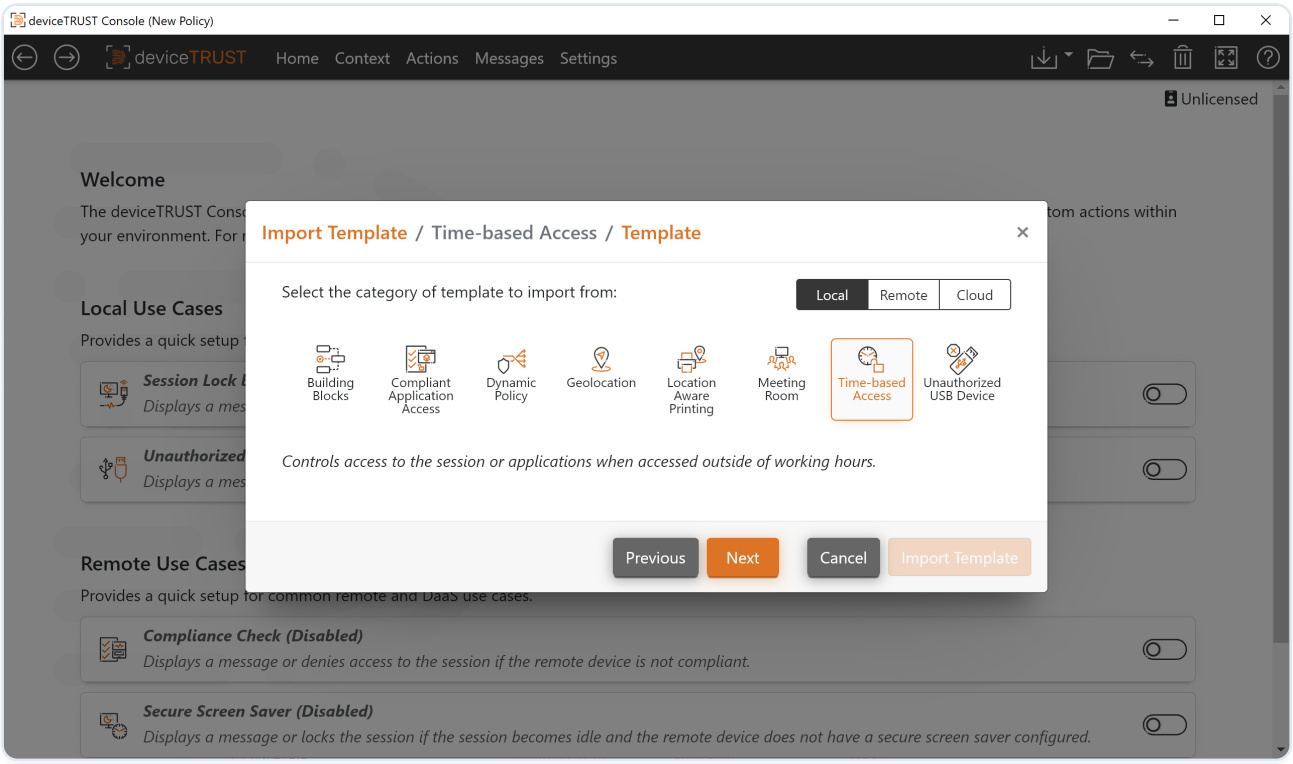


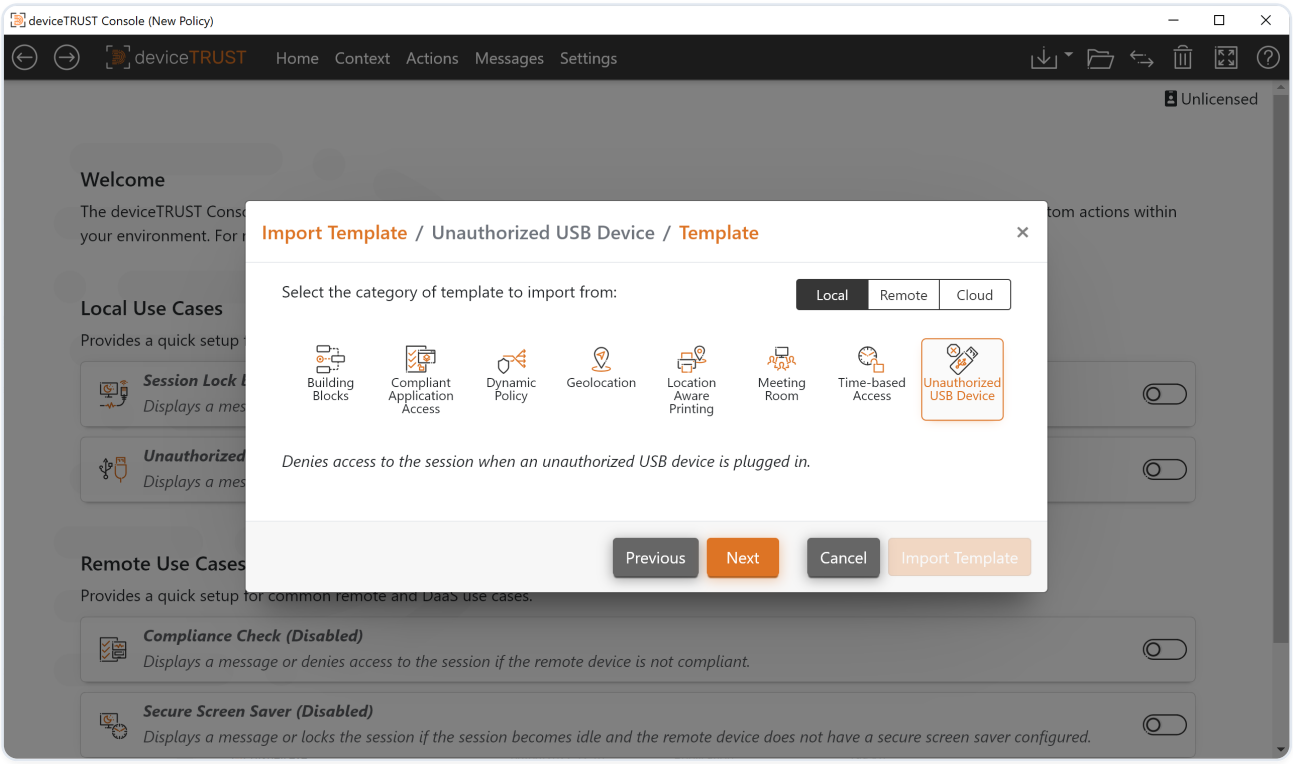
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- Conditional Application Access - Hides or denies access to applications in the session outside of working hours.

Unauthorized USB Drives Templates

Denies access to the session when an unauthorized USB device is plugged in.

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Access Mode Template

This template imports a predefined context that defines whether the remote device is an internal or external device on the corporate network, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

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Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Access Mode	Defines if the remote device is internal or external to the corporate network.	You must update the following context condition with data suitable for your environment
		`REMOTE - REMOTING CLIENT OUTBOUND DNS Equals *.REMOTING_HOST_DNS_HERE:3389` *When using Microsoft RDP remoting protocol, replace* .REMOTING_HOST_DNS_HERE:3389 with your remoting hosts dns suffix.*Example:* .demo.devicetrust.local:3389*
		`REMOTE - REMOTING CLIENT OUTBOUND DNS Not Equals *.REMOTING_HOST_DNS_HERE:3389` *When using Microsoft RDP remoting protocol, replace* .REMOTING_HOST_DNS_HERE:3389 with your remoting hosts dns suffix.**Example: *.demo.devicetrust.local:3389*

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

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Citrix Workspace App Template

This template imports a predefined context that defines whether a supported version of the Citrix Workspace app is installed on the remote device, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Citrix Workspace App Version	Defines if a supported version of the Citrix Workspace App is installed on the remote device.	You must update the following context condition with data suitable for your environment: `LOCAL - REMOTE CONTROL REMOTE VERSION Greater Than Or Equals 20.1` *Configure the minimal Citrix Workspace App version for your environment. Example: 20.1*

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Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Computer Certificate Template

This template imports a predefined context that defines whether a valid computer certificate is available on the remote device, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Computer Certificate	Defines if a valid corporate computer certificate is available on the remote device.	You must update the following context condition with data suitable for your environment
		`REMOTE - CERTIFICATE ROOT NAME Equals ADD_ROOT_NAME` *Replace ADD_ROOT_NAME with your root certification*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		authority (CA) name. Example: deviceTRUST Demo CA
		REMOTE - CERTIFICATE ROOT THUMPRINT SHA256 Equals ADD_ROOT_THUMPRINT` *Replace ADD_ROOT_THUMPRINT with your root certification authority (CA) thumprint SHA256 value. Example: deviceTRUST Demo CA*

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Conditional Application Access Template

This template imports a predefined action that hides or denies access to applications in the session, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

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Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking within the session.	Deactivated	You must update the following context condition with data suitable for your environment: `FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa* `TERMINATE APP` *Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe*
Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker within the session.	Deactivated	You must update the following context condition with data suitable for your

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			environment: `MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Corporate Device Template

This template imports a predefined context that defines whether the remote device is a corporate managed device, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

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Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Corporate Device	Defines if the remote device is a corporate managed device.	You must update the following context condition with data suitable for your environment
		`REMOTE - DOMAIN ID Any Of 2 ITEMS` *When using AD or Microsoft Entra ID domain joined devices, replace DOMAIN_SID and AZURE_TENANT_ID with your corporate values. Example: S-1-5-21-1397108472-4176295369-1616608269 for a domain SID.*
		`REMOTE - HARDWARE BIOS SERIAL NUMBER Any Of 3 ITEMS` *When identifying physical devices, replace BIOS_SERIAL_NUMBER_X with BIOS serial numbers of your corporate devices. Example: PF1J8T36*
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server.**Example: 192.168.0.22:30001*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace UMS_CERTIFICATE_THUMBPRINT_SHA256 with your IGEL UMS Server certificate thumprint.**Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME` *When using eLux devices, replace SCOUT_NAME with the name of your eLux Scout Server.**Example: DTLDES01*
		`REMOTE - ELUX SCOUT CERT THUMPRINT SHA256 Equals SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THUMBPRINT_SHA256 with your eLux Scout Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

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Country Template

This template imports a predefined context that defines the country in which the remote device is located, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Country	Defines the country in which the remote device is located.	None

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Country Provider Template

This template imports a predefined context that defines the country provider that reports the country in which the remote device is located, and can be used as a building block in your

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configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Country Provider	Defines the country provider that reports the country of the remote device.	None

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Device Location IP Address Template

This template imports a predefined context that defines the location of a remote device based on its IP address, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

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deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Device Location	Defines the location of a remote device based on its IP address. `	You must update the following context condition with data suitable for your environment
		REMOTE - NETWORK IPV4 SUBNET IPv4 Range From 1.1.1.1 to 1.1.1.254,...`*Replace the IPv4 range for Floor 1, Floor 2, Floor 3,... with the IPv4 range representing the target location. Example: 1.1.1.1 to 1.1.1.254*

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

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Device Location NetBIOS Name Template

This template imports a predefined context that defines the location of a remote device based on its NetBIOS name, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Device Location	Defines the location of a remote device based on its NetBIOS name.	You must update the following context condition with data suitable for your environment
		`REMOTE - NAME NAME Any Of 3 ITEMS,...` *Replace DEVICE_NAME_X for Floor 1, Floor 2, Floor 3,... with the device names representing the target location. Example: DE-SG01*

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Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Device Type Contractor Template

This template imports a predefined context that defines the device type of the remote device as Contractor or Corporate, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Device Type	Defines the remote device device type.	You must update the following context condition with data suitable for your environment
		`REMOTE - DOMAIN ID Any Of 2 ITEMS` *When using AD or Microsoft Entra ID domain joined devices, replace DOMAIN_SID and*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		AZURE_TENANT_ID with your corporate values. Example: S-1-5-21-1397108472-4176295369-1616608269 for a domain SID.
		`REMOTE - HARDWARE BIOS SERIAL NUMBER Any Of 3 ITEMS` *When identifying physical devices, replace BIOS_SERIAL_NUMBER_X with BIOS serial numbers of your corporate devices. Example: PF1J8T36*
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server. Example: 192.168.0.22:30001*
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace UMS_CERTIFICATE_THUMBPRINT_SHA256 with your IGEL UMS Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME`

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		*When using eLux devices, replace SCOUT_NAME with the name of your eLux Scout Server.**Example: DTLDES01*
		`REMOTE - ELUX SCOUT CERT THUMPRINT SHA256` `Equals` `SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THUMBPRINT_SHA256 with your eLux Scout Server certificate thumprint.**Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Device Type Corporate Template

This template imports a predefined context that defines the device type of the remote device as Corporate or Unknown, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

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Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Corporate Device	Defines if the remote device is a corporate managed device.	You must update the following context condition with data suitable for your environment
		`REMOTE - DOMAIN ID Any Of 2 ITEMS` *When using AD or Microsoft Entra ID domain joined devices, replace DOMAIN_SID and AZURE_TENANT_ID with your corporate values. Example: S-1-5-21-1397108472-4176295369-1616608269 for a domain SID.*
		`REMOTE - HARDWARE BIOS SERIAL NUMBER Any Of 3 ITEMS` *When identifying physical devices, replace BIOS_SERIAL_NUMBER_X with BIOS serial numbers of your corporate devices. Example: PF1J8T36*
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server. Example: 192.168.0.22:30001
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace UMS_CERTIFICATE_THUMBPRINT_SHA256 with your IGEL UMS Server certificate thumprint.*Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME` *When using eLux devices, replace SCOUT_NAME with the name of your eLux Scout Server. Example: DTLDES01*
		`REMOTE - ELUX SCOUT CERT THUMPRINT SHA256 Equals SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THUMBPRINT_SHA256 with your eLux Scout Server certificate thumprint.**Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*

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Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

deviceTRUST Client Extension Availability Template

This template imports a predefined context that defines the availability of the deviceTRUST Client Extension on the remote device, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
deviceTRUST Client	Defines the availability of the deviceTRUST Client Extension on the remote device.	None

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

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Building Blocks Templates

Individual contexts and actions that can be used as building blocks within your configuration.

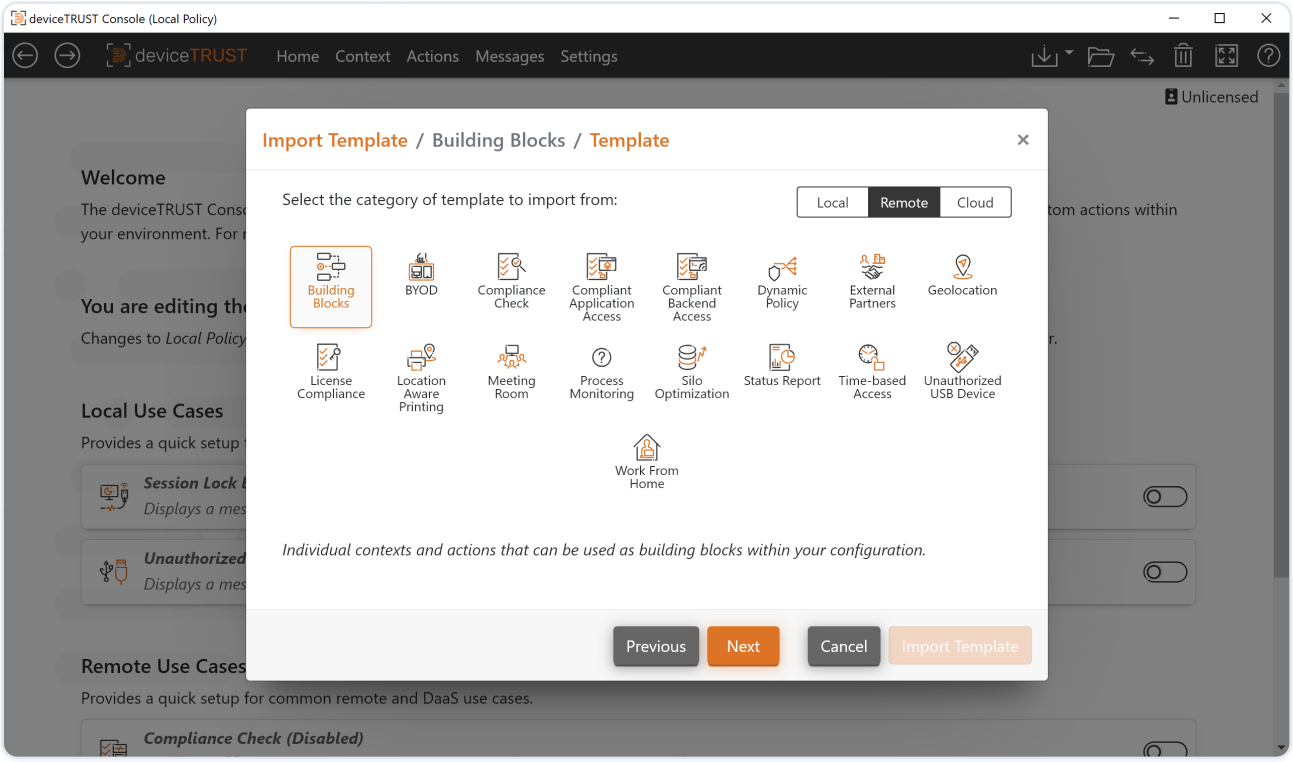


TABLE OF CONTENTS

- Access Mode - Defines if the remote device is internal or external to the corporate network.
- Citrix Workspace App - Defines if a supported version of the Citrix Workspace app is installed on the remote device.
- Computer Certificate - Defines if a valid computer certificate is available on the remote device.
- Conditional Application Access - Hides or denies applications within the session.
- Corporate Device - Defines if the remote device is a corporate managed device.
- Country - Defines the country in which the remote device is located.
- Country Provider - Defines the country provider that reports the country in which the remote device is located.
- Device Location IP Address - Defines the location of a remote device based on its IP address.
- Device Location NetBIOS Name - Defines the location of a remote device based on its NetBIOS name.
- Device Location Wi-Fi Access Point - Defines the location of a remote device based on its connected Wi-Fi access point.

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- Device Type Contractor - Defines the device type of the remote device as Contractor or Corporate.
- Device Type Corporate - Defines the device type of the remote device as Corporate or Unknown.
- deviceTRUST Client Extension Availability - Defines the availability of the deviceTRUST Client Extension on the remote device.
- Operating System - Defines if the operating system of the remote device is supported.
- Operating System Update - Defines if a recent update search has been performed and that critical updates have been installed on the remote device.
- Override - Defines if the session user is a member of the override AD group.
- Policy Mode from AD Group - Defines if the deviceTRUST policy runs in active or passive mode based upon the membership of an AD group.
- Policy Mode from Date - Defines if the deviceTRUST policy runs in active or passive mode based upon a fixed date.
- Proximity - Defines the proximity of the remote device to a given position.
- Remote Controlled - Defines if the remote device is remote controlled.
- Security State - Defines the security state of the remote device.
- Session Idle - Defines if the session is idle.
- Threat Detection - Defines if the remote device has been recently scanned and has no current threats.
- Unauthorized USB Device - Defines if an unauthorized USB device (Stick, Camera and Mobile Phone) is plugged into the remote device.
- User Privileges - Defines the privileges of the user logged into the remote device.
- Virtualized - Defines if the remote device is virtualized.
- VPN Connected - Defines if a network adapter of the remote device is connected to a VPN network.
- Wi-Fi Security Mode - Defines if the remote device is connected to a secure Wi-Fi network.
- Working Time - Defines if the current time is within work hours.

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Operating System Template

This template imports a predefined context that defines whether the operating system of the remote device is supported, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Operating System	Defines if the operating system of the remote device is supported.	None

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Operating System Update Template

This template imports a predefined context that defines if a recent update search has been performed and that critical updates have been installed on the remote device, and can be used as

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a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Operating System Update	Defines if a recent update search has been performed and that all updates have been installed on the remote device.	None

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Override Template

This template imports a predefined context that defines whether the session user is a member of the override AD group, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

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deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Override	Defines if the session user is member of the override AD group.	You can add one or more user groups from your Microsoft Active Directory (AD) to exclude group members from actions.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Policy Mode from AD Group Template

This template imports a predefined context that defines whether the deviceTRUST policy runs in active or passive mode based upon the membership of an AD group, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

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deviceTRUST requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Policy Mode	Defines if the deviceTRUST policy runs in active or passive mode based upon the membership of an AD group.	You can add one or more user groups from your Microsoft Active Directory (AD) to activate the deviceTRUST policy for those users.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Policy Mode from Date Template

This template imports a predefined context that defines whether the deviceTRUST policy runs in active or passive mode based upon a fixed date, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

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deviceTRUST requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Policy Mode	Defines if the deviceTRUST policy runs in active or passive mode based upon a date.	You must set a date to run the deviceTRUST policy in active or passive mode.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Proximity Template

This template imports a predefined context that defines the proximity of the remote device to a given position, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through

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simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Proximity	Defines the proximity of the remote device to a given position.	You must update the following context condition with data suitable for your environment
		`REMOTE - LOCATION POSITION In Range 500 METERS FROM 0,0,...` *Replace 0,0 with your target position and define the range to the given position on all conditions.**Example: 49.8971,8.9258*

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

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Remote Controlled Template

This template imports a predefined context that defines whether the remote device is remote controlled, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Remote Controlled	Defines if the remote device is remote controlled.	None

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Security State Template

This template imports a predefined context that defines the security state of the remote device, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

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deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Security State	Defines the security status of the remote device.	You must update the following context condition with data suitable for your environment
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server. Example: 192.168.0.22:30001*
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace UMS_CERTIFICATE_THUM*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		BPRINT_SHA256 with your IGEL UMS Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME` *When using eLux devices, replace SCOUT_NAME with the name of your eLux Scout Server. Example: DTLDES01*
		`REMOTE - ELUX SCOUT CERT THUMPRINT SHA256 Equals SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THUMBPRINT_SHA256 with your eLux Scout Server certificate thumprint.**Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Session Idle Template

This template imports a predefined context that defines if the session is idle, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

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deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Session Idle	Defines if the session is idle.	You must update the following context condition with data suitable for your environment
		`LOCAL - SESSION IDLE PERIODE Greater Than 10` *Configure a maximum idle time in minutes for your environment. Example: 10*

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

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Threat Detection Template

This template imports a predefined context that defines whether the remote device has been recently scanned and has no current threat, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Threat Detection	Defines if the remote device has been recently scanned and has no current threats.	None

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

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Unauthorized USB Device Template

This template imports a predefined context that defines whether an unauthorized USB device (Stick, Camera and Mobile Phone) is plugged into the remote device, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Unauthorized USB Device	Defines if an unauthorized USB device, such as a Stick, Camera or Mobile Phone, is plugged into the remote device.	You must update the following context condition with data suitable for your environment
		`REMOTE - LOGICAL DISK IDENTITY Not Equals 0x000,0x000,ABC123456` *When checking for unauthorized USB devices, add all of your authorized USB devices by Vendor ID (VID), Product ID (PID) and /*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		or Serial Number. Example: 0x0781,0x5567,4C53000011 0526106001 SanDisk Cruzer Blade USB Device.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

User Privileges Template

This template imports a predefined context that defines the privileges of the user logged into the remote device, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
User Privileges	Defines the privileges of the user logged into the remote device.	None

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Virtualized Template

This template imports a predefined context that defines whether the remote device is virtualized, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Virtualized	Defines if the remote device is virtualized.	None

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Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

VPN Connected Template

This template imports a predefined context that defines whether a network adapter of the remote device is connected to a VPN network, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
VPN Connected	Defines if a network adapter of the remote device is connected to a VPN network.	None

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

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Wi-Fi Security Mode Template

This template imports a predefined context that defines whether the remote device is connected to a secure Wi-Fi network, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Wi-Fi Security Mode	Defines if the remote device is connected to a secure Wi-Fi network.	None

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Working Time Template

This template imports a predefined context that defines whether the current time is within work hours, and can be used as a building block in your configuration. It can be found in the `BUILDING BLOCKS` category when filtered for `REMOTE` platform.

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deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Context

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Context

The template has imported the following context:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Working Time	Defines if the current time is within the working time.	You must update the following context condition with data suitable for your environment
		`LOCAL - SESSION TIME Time Of Day EVERYDAY BETWEEN 08:00 AND 18:00` *Adjust your work hours to fit your requirements.*

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

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Conditional Access Template

This template creates a configuration that checks if the remote device is compliant with BYOD policies. It can be found in the `BYOD (BRING YOUR OWN DEVICE)` category when filtered for `REMOTE` platform.

If the remote device is not compliant with BYOD policies, you can choose between two actions:

- Denies access to the session if the remote device is not compliant with BYOD policies.
- Displays a message within the session if the remote device is not compliant with BYOD policies.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Country	Defines the country in which the remote device is located.	None
Country Provider	Defines the country provider that reports the country of the remote device.	None

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Device Type	Defines the remote device device type.	You must update the following context condition with data suitable for your environment
		`REMOTE - DOMAIN ID Any Of 2 ITEMS` *When using AD or Microsoft Entra ID domain joined devices, replace DOMAIN_SID and AZURE_TENANT_ID with your corporate values. Example: S-1-5-21-1397108472-4176295369-1616608269 for a domain SID.*
		`REMOTE - HARDWARE BIOS SERIAL NUMBER Any Of 3 ITEMS` *When identifying physical devices, replace BIOS_SERIAL_NUMBER_X with BIOS serial numbers of your corporate devices. Example: PF1J8T36*
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server. Example: 192.168.0.22:30001*
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		UMS_CERTIFICATE_THUMBPRINT_SHA256 with your IGEL UMS Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME` *When using eLux devices, replace SCOUT_NAME with the name of your eLux Scout Server.**Example: DTLDES01*
		`REMOTE - ELUX SCOUT CERT THUMPRINT SHA256 Equals SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THUMBPRINT_SHA256 with your eLux Scout Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
deviceTRUST Client	Defines the availability of the deviceTRUST Client Extension on the remote device.	None
Override	Defines if the session user is member of the override AD group.	You can add one or more user groups from your Microsoft Active Directory (AD) to exclude group members from actions.

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Remote Controlled	Defines if the remote device is remote controlled.	None
Security State	Defines the security status of the remote device.	You must update the following context condition with data suitable for your environment
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server. Example: 192.168.0.22:30001*
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace UMS_CERTIFICATE_THUMBPRINT_SHA256 with your IGEL UMS Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME` *When using eLux devices, replace SCOUT_NAME with the name of your eLux Scout Server. Example: DTLDES01*
		`REMOTE - ELUX SCOUT CERT THUMPRINT SHA256 Equals`

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		`SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THUMBPRINT_SHA256 with your eLux Scout Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
Virtualized	Defines if the remote device is virtualized.	None
Wi-Fi Security Mode	Defines if the remote device is connected to a secure Wi-Fi network.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Compliance Check - Conditional Access - Enforcement	Denies access to the session if the remote BYOD is not compliant.	Deactivated	You must update the following context condition with data suitable for your environment
			`COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US
Compliance Check - Conditional Access - Notification	Displays a message in the session if the remote BYOD is not compliant.	Activated	You must update the following context condition with data suitable for your environment
			`COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code.**Example: US*

NOTE:

- If both actions have been disabled, the contexts will still be created.
- If both actions have been activated, the deny access task will take priority over the displaying of the notification message.
- Country codes are based on ISO 3166-1 Alpha-2 code.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

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Conditional Application Access Template

This template creates a configuration that checks if the remote device is compliant with BYOD policies. It can be found in the `BYOD (BRING YOUR OWN DEVICE)` category when filtered for `REMOTE` platform.

If the remote device is not compliant with BYOD policies, you can choose between two actions:

- Hides applications with FSLogix App Masking within the session if the remote BYOD is not compliant.
- Denies access to applications with Microsoft AppLocker within the session if the remote BYOD is not compliant.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Country	Defines the country in which the remote device is located.	None

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Country Provider	Defines the country provider that reports the country of the remote device.	None
Device Type	Defines the remote device device type.	You must update the following context condition with data suitable for your environment
		`REMOTE - DOMAIN ID Any Of 2 ITEMS` *When using AD or Microsoft Entra ID domain joined devices, replace DOMAIN_SID and AZURE_TENANT_ID with your corporate values. Example: S-1-5-21-1397108472-4176295369-1616608269 for a domain SID.*
		`REMOTE - HARDWARE BIOS SERIAL NUMBER Any Of 3 ITEMS` *When identifying physical devices, replace BIOS_SERIAL_NUMBER_X with BIOS serial numbers of your corporate devices. Example: PF1J8T36*
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server. Example: 192.168.0.22:30001*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace UMS_CERTIFICATE_THUMBPRINT_SHA256 with your IGEL UMS Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME` *When using eLux devices, replace SCOUT_NAME with the name of your eLux Scout Server. Example: DTLDES01*
		`REMOTE - ELUX SCOUT CERT THUMPRINT SHA256 Equals SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THUMBPRINT_SHA256 with your eLux Scout Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
deviceTRUST Client	Defines the availability of the deviceTRUST Client Extension on the remote device.	None

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Override	Defines if the session user is member of the override AD group.	You can add one or more user groups from your Microsoft Active Directory (AD) to exclude group members from actions.
Remote Controlled	Defines if the remote device is remote controlled.	None
Security State	Defines the security status of the remote device.	You must update the following context condition with data suitable for your environment
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server. Example: 192.168.0.22:30001*
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace UMS_CERTIFICATE_THUMBPRINT_SHA256 with your IGEL UMS Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME` *When using eLux devices, replace SCOUT_NAME with*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		the name of your eLux Scout Server. Example: DTLDES01 `REMOTE - ELUX SCOUT CERT THUMPRINT SHA256 Equals SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THUMBPRINT_SHA256 with your eLux Scout Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
Virtualized	Defines if the remote device is virtualized.	None
Wi-Fi Security Mode	Defines if the remote device is connected to a secure Wi-Fi network.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Compliance Check - Conditional Application Access -	Hides applications with FSLogix App Masking within the	Deactivated	You must update the following context condition with data

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Enforcement - FSLogix App Masking	session if the remote BYOD is not compliant.		suitable for your environment
			`COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US*
			`FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa*
			`TERMINATE APP` *Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe*
Compliance Check - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker within the session if the remote BYOD is not compliant.	Deactivated	You must update the following context condition with data suitable for your environment

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			`COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US*
			`MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks.**Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

NOTE:

- If both actions have been disabled, the contexts will still be created.
- Country codes are based on ISO 3166-1 Alpha-2 code.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

BYOD (Bring Your Own Device) Templates

The BYOD templates control access to the session or applications when compliance requirements for BYOD users are not satisfied.

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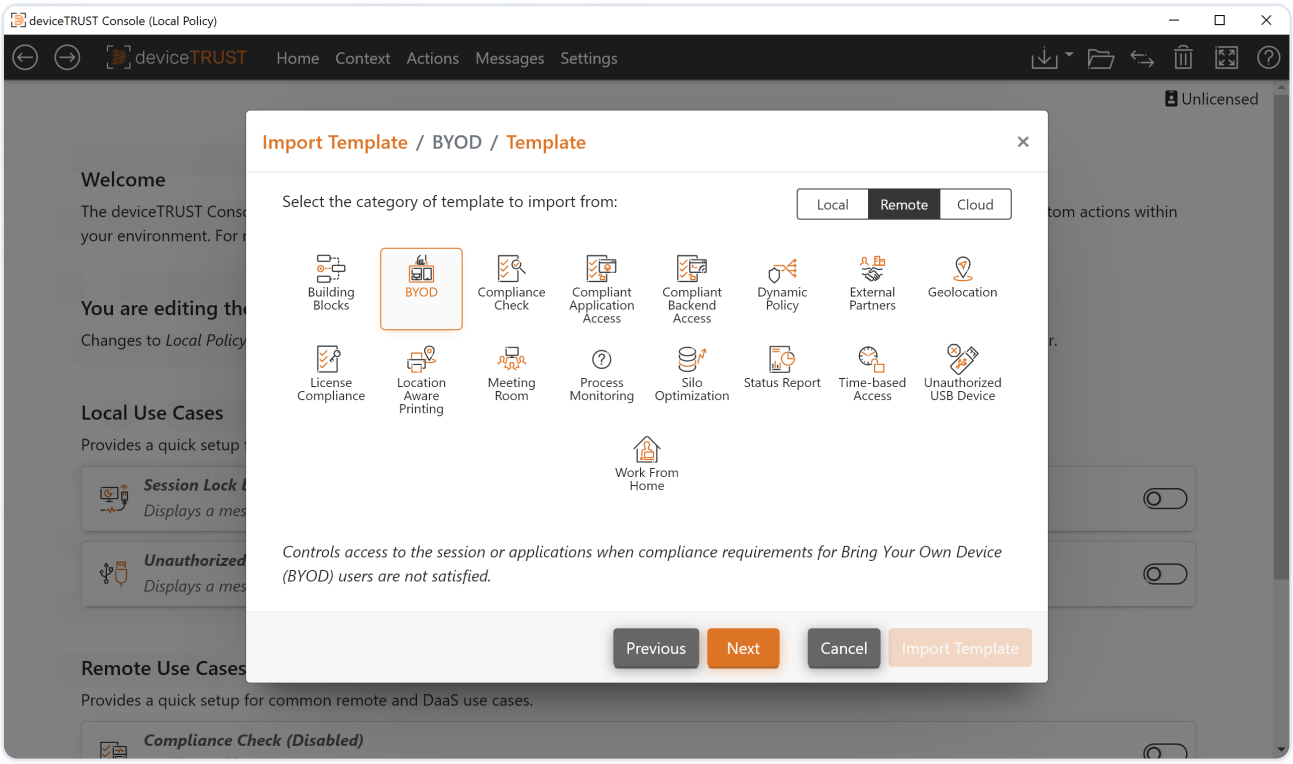


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- Conditional Access - Displays a message or denies access to the session if the remote device is not compliant with BYOD policies.
- Conditional Application Access - Hides or denies access to applications within the session if the remote device is not compliant with BYOD policies.

Compliance Check Template

This template creates a configuration that checks if the remote device is compliant. It can be found in the `COMPLIANCE CHECK` category when filtered for `REMOTE` platform.

If the remote device is not compliant, you can choose between two actions:

- Denies access to the session if the remote device is not compliant.
- Displays a message in the session if the remote device is not compliant.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

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- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Country	Defines the country in which the remote device is located.	None
Country Provider	Defines the country provider that reports the country of the remote device.	None
deviceTRUST Client	Defines the availability of the deviceTRUST Client Extension on the remote device.	None
Override	Defines if the session user is member of the override AD group.	You can add one or more user groups from your Microsoft Active Directory (AD) to exclude group members from actions.
Remote Controlled	Defines if the remote device is remote controlled.	None
Security State	Defines the security status of the remote device.	You must update the following context condition with data suitable for your environment

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server. Example: 192.168.0.22:30001*
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace UMS_CERTIFICATE_THUMBPRINT_SHA256 with your IGEL UMS Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME` *When using eLux devices, replace SCOUT_NAME with the name of your eLux Scout Server. Example: DTLDES01*
		`REMOTE - ELUX SCOUT CERT THUMPRINT SHA256 Equals SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THUMBPRINT_SHA256 with your eLux Scout Server certificate thumprint. Example: 0d57fdd21474ef7806818a66*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		1a5f1d1cb3361a8bb4ccd660dae6930a6a135a56
Virtualized	Defines if the remote device is virtualized.	None
Wi-Fi Security Mode	Defines if the remote device is connected to a secure Wi-Fi network.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Compliance Check - Conditional Access - Enforcement	Denies access to the session if the remote device is not compliant.	Deactivated	You must update the following context condition with data suitable for your environment `COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Compliance Check - Conditional Access - Notification	Displays a message in the session if the remote device is not compliant.	Activated	You must update the following context condition with data suitable for your environment `COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code.**Example: US*

NOTE:

- If both actions have been disabled, the contexts will still be created.
- If both actions have been activated, the deny access task will take priority over the displaying of the notification message.
- Country codes are based on ISO 3166-1 Alpha-2 code.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Computer Certificate Template

This template creates a configuration that checks if the remote device does provide a valid computer certificate. It can be found in the `COMPLIANCE CHECK` category when filtered for `REMOTE` platform.

If the remote device does not provide a valid computer certificate, you can choose between two actions:

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- Denies access to the session if the remote device does not provide a valid computer certificate.
- Displays a message in the session if the remote device does not provide a valid computer certificate.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Computer Certificate	Defines if a valid corporate computer certificate is available on the remote device.	You must update the following context condition with data suitable for your environment
		`REMOTE - CERTIFICATE ROOT NAME Equals ADD_ROOT_NAME` *Replace ADD_ROOT_NAME with your root certification authority (CA) name. Example: deviceTRUST Demo CA*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		`REMOTE - CERTIFICATE ROOT THUMPRINT SHA256 Equals ADD_ROOT_THUMPRINT` *Replace ADD_ROOT_THUMPRINT with your root certification authority (CA) thumprint SHA256 value. Example: deviceTRUST Demo CA*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Computer Certificate - Conditional Access - Enforcement	Denies access to the session if the remote device does not provide a valid computer certificate.	Deactivated	None
Computer Certificate - Conditional Access - Notification	Displays a message in the session if the remote device does not provide a valid computer certificate.	Activated	None

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NOTE:

If both actions have been disabled, the contexts will still be created.

If both actions have been activated, the deny access task will take priority over the displaying of the notification message.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Corporate Device Template

This template creates a configuration that checks if the remote device is a corporate managed device. It can be found in the `COMPLIANCE CHECK` category when filtered for `REMOTE` platform.

If the remote device is not a corporate managed device, you can choose between two actions:

- Denies access to the session if the remote device is not a corporate managed device.
- Displays a message in the session if the remote device is not a corporate managed device.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

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Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Corporate Device	Defines if the remote device is a corporate managed device.	You must update the following context condition with data suitable for your environment
		`REMOTE - DOMAIN ID Any Of 2 ITEMS` *When using AD or Microsoft Entra ID domain joined devices, replace DOMAIN_SID and AZURE_TENANT_ID with your corporate values. Example: S-1-5-21-1397108472-4176295369-1616608269 for a domain SID.*
		`REMOTE - HARDWARE BIOS SERIAL NUMBER Any Of 3 ITEMS` *When identifying physical devices, replace BIOS_SERIAL_NUMBER_X with BIOS serial numbers of your corporate devices. Example: PF1J8T36*
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server. Example: 192.168.0.22:30001*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace UMS_CERTIFICATE_THUMBPRINT_SHA256 with your IGEL UMS Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME` *When using eLux devices, replace SCOUT_NAME with the name of your eLux Scout Server.**Example: DTLDES01*
		`REMOTE - ELUX SCOUT CERT THUMPRINT SHA256 Equals SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THUMBPRINT_SHA256 with your eLux Scout Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

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Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Corporate Device - Conditional Access - Enforcement	Denies access to the session if the remote device is not a corporate managed device.	Deactivated	None
Corporate Device - Conditional Access - Notification	Displays a message in the session if the remote device is not a corporate managed device.	Activated	None

NOTE:

- If both actions have been disabled, the contexts will still be created.
- If both actions have been activated, the deny access task will take priority over the displaying of the notification message.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Country Template

This template creates a configuration that checks the country of the remote device. It can be found in the `COMPLIANCE CHECK` category when filtered for `REMOTE` platform.

If the remote device is not located within an authorized country, you can choose between two actions:

- Denies access to the session based on the country of the remote device.

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- Displays a message in the session based on the country of the remote device.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Country	Defines the country in which the remote device is located.	None
Country Provider	Defines the country provider that reports the country of the remote device.	None

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Country - Conditional Access - Enforcement	Denies access to the session based on the country of the remote device.	Deactivated	You must update the following context condition with data suitable for your environment
			`COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US*
Country - Conditional Access - Notification	Displays a message in the session based on the country of the remote device.	Activated	You must update the following context condition with data suitable for your environment
			`COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US*

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NOTE:

- If both actions have been disabled, the contexts will still be created.
- If both actions have been activated, the deny access task will take priority over the displaying of the notification message.
- Country codes are based on ISO 3166-1 Alpha-2 code.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

deviceTRUST Client Extension Availability Template

This template creates a configuration that checks if the remote device does have the deviceTRUST Client Extension installed. It can be found in the `COMPLIANCE CHECK` category when filtered for `REMOTE` platform.

If the remote device does not have the deviceTRUST Client Extension installed, you can choose between two actions:

- Denies access to the session if the deviceTRUST Client Extension is not installed on the remote device.
- Displays a message in the session if the deviceTRUST Client Extension is not installed on the remote device.

deviceTRUST requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

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Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
deviceTRUST Client	Defines the availability of the deviceTRUST Client Extension on the remote device.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
deviceTRUST Client Availability - Conditional Access - Enforcement	Denies access to the session if the deviceTRUST Client Extension is not installed on the remote device.	Deactivated	None
deviceTRUST Client Availability - Conditional Access - Notification	Displays a message in the session if the deviceTRUST Client Extension is not	Activated	None

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
	installed on the remote device.		

NOTE:

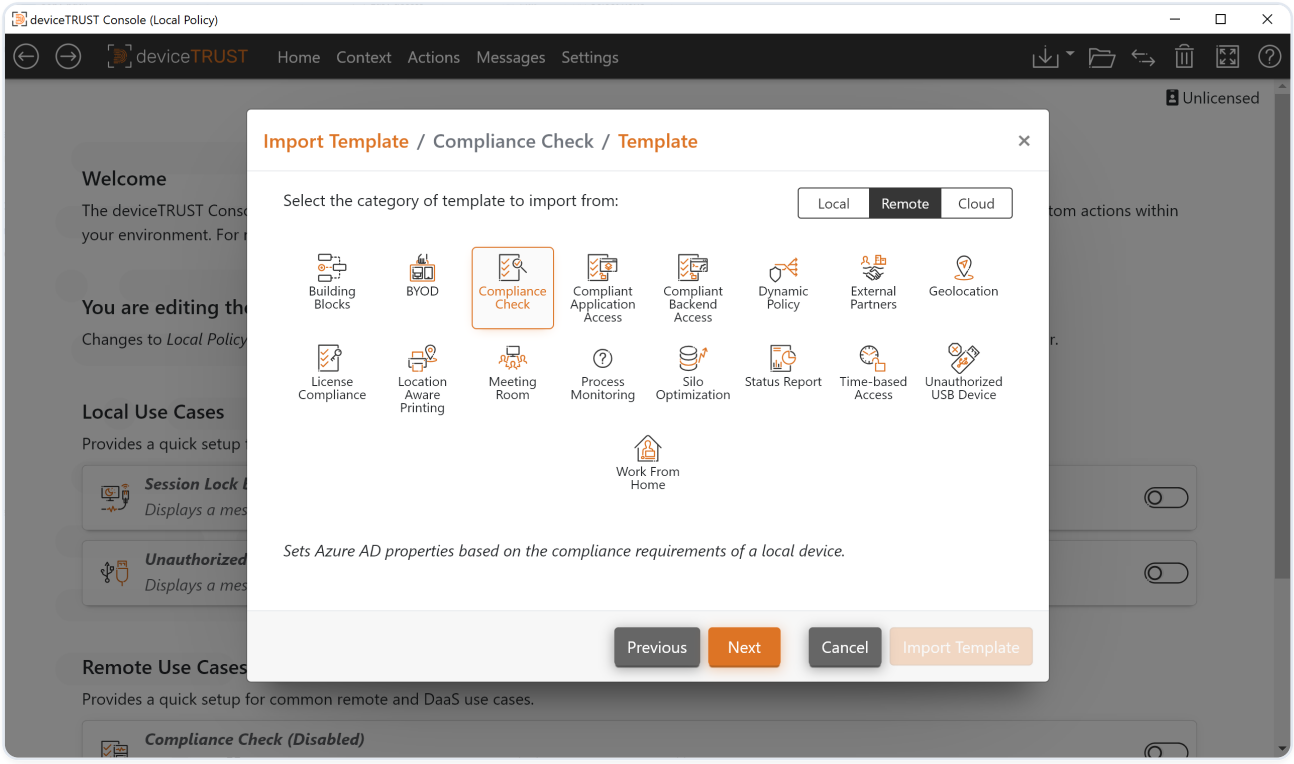
- If both actions have been disabled, the contexts will still be created.
- If both actions have been activated, the deny access task will take priority over the displaying of the notification message.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Compliance Check

Display a message or denies access to the session when compliance requirements on a remote device are not satisfied.



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- Compliance Check - Displays a message or denies access to the session if the remote device is not compliant.
- Computer Certificate - Displays a message or denies access to the session if the remote device does not provide a valid computer certificate.
- Corporate Device - Displays a message or denies access to the session if the remote device is not a corporate managed device.
- Country - Displays a message or denies access to the session based on the country of the remote device.
- deviceTRUST Client Extension Availability - Displays a message or denies access to the session if the remote device does not have the deviceTRUST Client Extension installed.
- Operating System - Displays a message or denies access to the session if the operating system of the remote device is not supported.
- Operating System Update - Displays a message or denies access to the session if the operating system of the remote device has not performed a recent update search or has outstanding critical updates.
- Remote Controlled - Displays a message or denies access to the session if the remote device is remote controlled.
- Security State - Displays a message or denies access to the session based on the security state of the remote device.
- Threat Detection - Displays a message or denies access to the session if a threat is detected or the remote device has not been scanned recently.
- User Privileges - Displays a message or denies access to the session based on the privileges of the user logged into the remote device.
- Virtualized - Displays a message or denies access to the session if the remote device is virtualized.
- Wi-Fi Security Mode - Displays a message or denies access to the session if the remote device is connected to an insecure Wi-Fi network.

Operating System Template

This template creates a configuration that checks if the operating system of the remote device is supported. It can be found in the `COMPLIANCE CHECK` category when filtered for `REMOTE` platform.

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If the operating system of the remote device is not supported, you can choose between two actions:

- Denies access to the session if the operating system of the remote device is not supported.
- Displays a message in the session if the operating system of the remote device is not supported.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Operating System	Defines if the operating system of the remote device is supported.	None

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

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Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Operating System - Conditional Access - Enforcement	Denies access to the session if the operating system of the remote device is not supported.	Deactivated	None
Operating System - Conditional Access - Notification	Displays a message in the session if the operating system of the remote device is not supported.	Activated	None

NOTE:

- If both actions have been disabled, the contexts will still be created.
- If both actions have been activated, the deny access task will take priority over the displaying of the notification message.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Remote Controlled Template

This template creates a configuration that checks if the remote device is remote controlled. It can be found in the `COMPLIANCE CHECK` category when filtered for `REMOTE` platform.

If the remote device is remote controlled, you can choose between two actions:

- Denies access to the session if the device is remote controlled.
- Displays a message in the session if the device is remote controlled.

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deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Remote Controlled	Defines if the remote device is remote controlled.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Remote Controlled - Conditional Access - Enforcement	Denies access to the session if the device is remote controlled.	Deactivated	None
Remote Controlled - Conditional Access - Notification	Displays a message in the session if the device is remote controlled.	Activated	None

NOTE:

- If both actions have been disabled, the contexts will still be created.
- If both actions have been activated, the deny access task will take priority over the displaying of the notification message.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Security State Template

This template creates a configuration that checks the security state of the remote device. It can be found in the `COMPLIANCE CHECK` category when filtered for `REMOTE` platform.

If the security state of the remote device is unprotected, you can choose between two actions:

- Denies access to the session based on the security state of the remote device.
- Displays a message in the session based on the security state of the remote device.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites

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- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Security State	Defines the security status of the remote device.	You must update the following context condition with data suitable for your environment
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server. Example: 192.168.0.22:30001*
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace UMS_CERTIFICATE_THUMBPRINT_SHA256 with your IGEL UMS Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME` *When using eLux devices, replace SCOUT_NAME with the name of your eLux Scout Server.**Example: DTLDES01*
		`REMOTE - ELUX SCOUT CERT THUMPRINT SHA256 Equals SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THUMBPRINT_SHA256 with your eLux Scout Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Security State - Conditional Access - Enforcement	Denies access to the session based on the	Deactivated	None

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
	security state of the remote device.		
Security State - Conditional Access - Notification	Displays a message in the session based on the security state of the remote device.	Activated	None

NOTE:

- If both actions have been disabled, the contexts will still be created.
- If both actions have been activated, the deny access task will take priority over the displaying of the notification message.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Threat Detection Template

This template creates a configuration that checks if a threat is detected or the remote device has not been scanned recently. It can be found in the `COMPLIANCE CHECK` category when filtered for `REMOTE` platform.

If a threat is detected or the remote device has not been scanned recently, you can choose between two actions:

- Denies access if a threat is detected or the device has not been scanned recently.
- Displays a message in the session if a threat is detected or the device has not been scanned recently.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

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We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Threat Detection	Defines if the remote device has been recently scanned and has no current threats.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Threat Detection - Conditional Access - Enforcement	Denies access if a threat is detected or the device has not been scanned recently.	Deactivated	None

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Threat Detection - Conditional Access - Notification	Displays a message in the session if a threat is detected or the device has not been scanned recently.	Activated	None

NOTE:

- If both actions have been disabled, the contexts will still be created.
- If both actions have been activated, the deny access task will take priority over the displaying of the notification message.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

User Privileges Template

This template creates a configuration that checks the privileges of the user logged into the remote device. It can be found in the `COMPLIANCE CHECK` category when filtered for `REMOTE` platform.

If the privileges of the user logged into the remote device are privileged without protection, you can choose between two actions:

- Denies access to the session based on the privileges of the user logged into the remote device.
- Displays a message in the session based on the privileges of the user logged into the remote device.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

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- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
User Privileges	Defines the privileges of the user logged into the remote device.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
User Privilege - Conditional Access - Enforcement	Denies access to the session based on the privileges of the user logged into the remote device.	Deactivated	None

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
User Privilege - Conditional Access - Notification	Displays a message in the session based on the privileges of the user logged into the remote device.	Activated	None

Note:

- If both actions have been disabled, the contexts will still be created.
- If both actions have been activated, the deny access task will take priority over the displaying of the notification message.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Virtualized Template

This template creates a configuration that checks if the remote device is virtualized. It can be found in the `COMPLIANCE CHECK` category when filtered for `REMOTE` platform.

If the remote device is virtualized, you can choose between two actions:

- Denies access to the session if the remote device is virtualized.
- Displays a message in the session if the remote device is virtualized.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

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Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remoteguide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Virtualized	Defines if the remote device is virtualized.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Virtualized - Conditional Access - Enforcement	Denies access to the session if the remote device is virtualized.	Deactivated	None
Virtualized - Conditional Access - Notification	Displays a message in the session if the remote device is virtualized.	Activated	None

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NOTE:

- If both actions have been disabled, the contexts will still be created.
- If both actions have been activated, the deny access task will take priority over the displaying of the notification message.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Wi-Fi Security Mode Template

This template creates a configuration that checks if the remote device is connected to an insecure Wi-Fi network. It can be found in the `COMPLIANCE CHECK` category when filtered for `REMOTE` platform.

If the remote device is connected to an insecure Wi-Fi network, you can choose between two actions:

- Denies access to the session if the remote device is connected to an insecure Wi-Fi network.
- Displays a message in the session if the remote device is connected to an insecure Wi-Fi network.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

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Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Wi-Fi Security Mode	Defines if the remote device is connected to a secure Wi-Fi network.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Wi-Fi Security - Conditional Access - Enforcement	Denies access to the session if the remote device is connected to an insecure Wi-Fi network.	Deactivated	None
Wi-Fi Security - Conditional Access - Notification	Displays a message in the session if the remote device is connected to an insecure Wi-Fi network.	Activated	None

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NOTE:

- If both actions have been disabled, the contexts will still be created.
- If both actions have been activated, the deny access task will take priority over the displaying of the notification message.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Access Mode Template

This template creates a configuration that checks if the remote device is connected externally. It can be found in the `COMPLIANT APPLICATION ACCESS` category when filtered for `REMOTE` platform.

If the remote device is connected externally, you can choose between two actions:

- Hides applications with FSLogix App Masking within the session if the remote device is connected externally.
- Denies access to applications with Microsoft AppLocker within the session if the remote device is connected externally.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

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Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Access Mode	Defines if the remote device is internal or external to the corporate network.	You must update the following context condition with data suitable for your environment
		`REMOTE - REMOTING CLIENT OUTBOUND DNS Equals *.REMOTING_HOST_DNS_HERE:3389` *When using Microsoft RDP remoting protocol,replace* .REMOTING_HOST_DNS_HERE:3389 with your remoting hosts dns suffix.*Example:* .demo.devicetrust.local:3389*
		`REMOTE - REMOTING CLIENT OUTBOUND DNS Not Equals *.REMOTING_HOST_DNS_HERE:3389` *When using Microsoft RDP remoting protocol, replace*.
		REMOTING_HOST_DNS_HERE:3389 with your remoting hosts dns suffix.*Example:* .demo.devicetrust.local:3389*

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NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Access Mode - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking within the session if the remote device is connected externally.	Deactivated	You must update the following context condition with data suitable for your environment
			`FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks.**Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa*
			`TERMINATE APP` *Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Access Mode - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker within the session if the remote device is connected externally.	Deactivated	You must update the following context condition with data suitable for your environment `MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

NOTE:

If both actions have been disabled, the contexts will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Corporate Device Template

This template creates a configuration that checks if the remote device is a corporate managed device. It can be found in the `COMPLIANT APPLICATION ACCESS` category when filtered for `REMOTE` platform.

If the remote device is not a corporate managed device, you can choose between two actions:

- Hides applications with FSLogix App Masking within the session if the remote device is not a corporate managed device.

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- Denies access to applications with Microsoft AppLocker within the session if the remote device is not a corporate managed device.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Corporate Device	Defines if the remote device is a corporate managed device.	You must update the following context condition with data suitable for your environment
		`REMOTE - DOMAIN ID Any Of 2 ITEMS` *When using AD or Microsoft Entra ID domain joined devices, replace DOMAIN_SID and AZURE_TENANT_ID with your corporate values. Example: S-1-5-21-1397108472-4176295369-1616608269 for a domain SID.*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		`REMOTE - HARDWARE BIOS SERIAL NUMBER Any Of 3 ITEMS` *When identifying physical devices, replace BIOS_SERIAL_NUMBER_X with BIOS serial numbers of your corporate devices. Example: PF1J8T36*
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server. Example: 192.168.0.22:30001*
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace UMS_CERTIFICATE_THUMBPRINT_SHA256 with your IGEL UMS Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME` *When using eLux devices, replace SCOUT_NAME with the name of your eLux Scout Server. Example: DTLDES01*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		`REMOTE - ELUX SCOUT CERT THUMPRINT SHA256` `Equals` `SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THUMBPRINT_SHA256 with your eLux Scout Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Corporate Device - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking within the session if the remote device is not a corporate managed device.	Deactivated	You must update the following context condition with data suitable for your environment `FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa
			`TERMINATE APP` *Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe*
Corporate Device - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker within the session if the remote device is not a corporate managed device.	Deactivated	You must update the following context condition with data suitable for your environment
			`MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

NOTE:

If both actions have been disabled, the contexts will still be created.

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Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Country Template

This template creates a configuration that checks the country of the remote device. It can be found in the `COMPLIANT APPLICATION ACCESS` category when filtered for `REMOTE` platform.

If the remote device is not located within an authorized country, you can choose between two actions:

- Hides applications with FSLogix App Masking within the session based on the country of the remote device.
- Denies access to applications with Microsoft AppLocker within the session based on the country of the remote device.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Country	Defines the country in which the remote device is located.	None
Country Provider	Defines the country provider that reports the country of the remote device.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Country - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking within the session based on the country of the remote device.	Deactivated	You must update the following context condition with data suitable for your environment `COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US* `FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa
			`TERMINATE APP` *Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe*
Country - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker within the session based on the country of the remote device.	Deactivated	You must update the following context condition with data suitable for your environment
			`COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US*
			`MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe

NOTE:

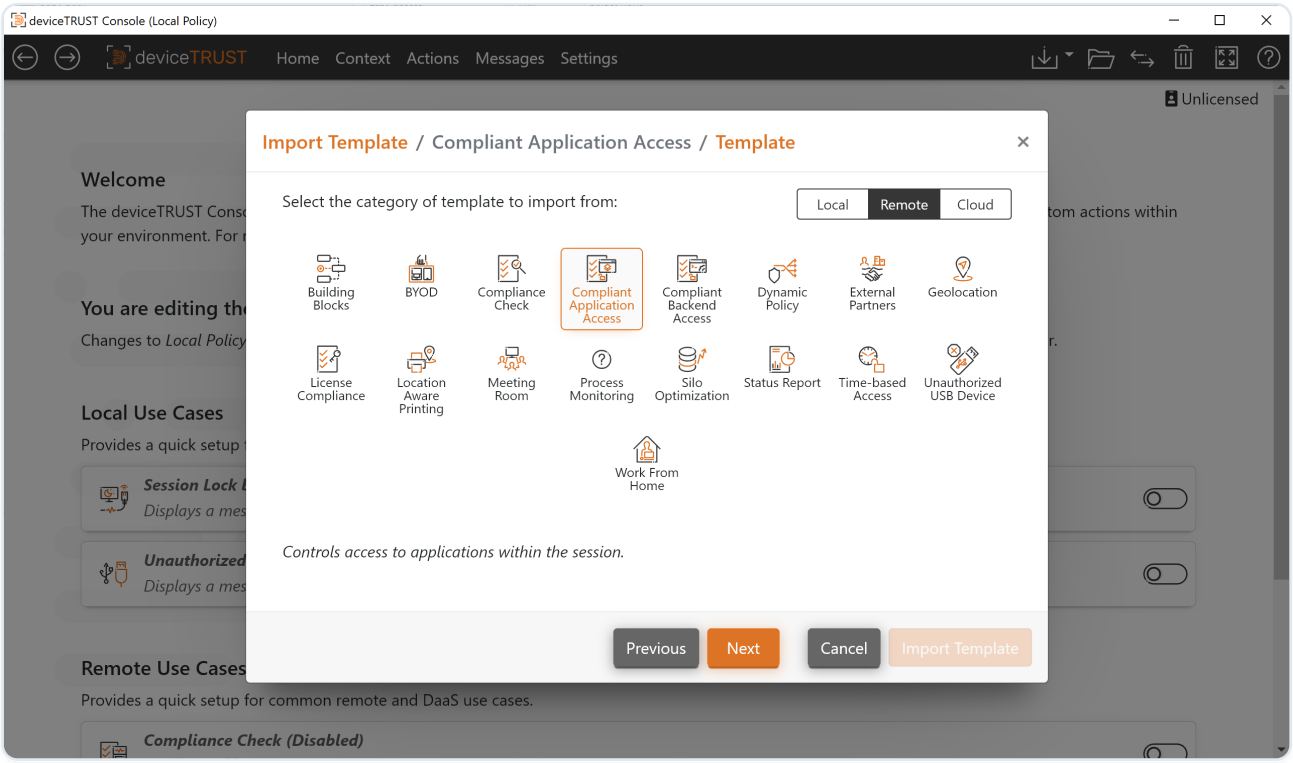
- If both actions have been disabled, the contexts will still be created.
- Country codes are based on ISO 3166-1 Alpha-2 code.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Compliant Application Access Templates

Controls access to applications within the session.



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- Access Mode - Hides or denies access to applications in the session if the remote device is connected externally.
- Corporate Device - Hides or denies access to applications in the session if the remote device is not a corporate managed device.
- Country - Hides or denies access to applications in the session based on the country of the remote device.
- Proximity - Hides or denies access to applications in the session based on the proximity of the remote device to a given position.
- Security State - Hides or denies access to applications in the session based on the country of the remote device.
- Wi-Fi Security Mode - Hides or denies access to applications in the session when the remote device is connected to an insecure Wi-Fi network.
- Working Time - Hides or denies access to applications in the session when accessed outside of working hours.

Proximity Template

This template creates a configuration that checks the proximity of the remote device to a given position. It can be found in the `COMPLIANT APPLICATION ACCESS` category when filtered for `REMOTE` platform.

If the remote device is not in proximity to a given position, you can choose between two actions:

- Hides applications with FSLogix App Masking within the session based on the proximity of the remote device to a given position.
- Denies access to applications with Microsoft AppLocker within the session based on the proximity of the remote device to a given position.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites

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- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Proximity	Defines the proximity of the remote device to a given position.	You must update the following context condition with data suitable for your environment
		`REMOTE - LOCATION POSITION In Range 500 METERS FROM 0,0,...` *Replace 0,0 with your target position and define the range to the given position on all conditions. Example: 49.8971,8.9258*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Proximity - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking within the session based on the proximity of the remote device to a given position.	Deactivated	You must update the following context condition with data suitable for your environment
			`FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa*
			`TERMINATE APP` *Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe*
Proximity - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker within the session based on the proximity of the remote device to a given position.	Deactivated	You must update the following context condition with data suitable for your environment
			`MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks.*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			Example: %PROGRAMFILES%\Notepad++\notepad++.exe

NOTE:

If both actions have been disabled, the contexts will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Security State Template

This template creates a configuration that hides or denies access to applications in the session based on the security state of the remote device. It can be found in the `COMPLIANT APPLICATION ACCESS` category when filtered for `REMOTE` platform.

If the security state of the remote device is unprotected, you can choose between two actions:

- Hides applications with FSLogix App Masking based on the security state.
- Denies access to applications with Microsoft AppLocker based on the security state.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

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Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Security State	Defines the security status of the remote device.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Security State - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking within the session based on the Security State of the remote device.	Deactivated	You must update the following context condition with data suitable for your environment `FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example:*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			%ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa
			`TERMINATE APP` *Replace ENTER_PROCESS_NAME_HERE with your target process name on all Terminate App tasks. Example: notepad++.exe*
Security State - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker within the session based on the security state of the remote device.	Deactivated	You must update the following context condition with data suitable for your environment
			`MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

NOTE:

If both actions have been disabled, the contexts will still be created.

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Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Wi-Fi Security Mode Template

This template creates a configuration that checks if the remote device is connected to an insecure Wi-Fi network. It can be found in the `COMPLIANT APPLICATION ACCESS` category when filtered for `REMOTE` platform.

If the remote device is connected to an insecure Wi-Fi network, you can choose between two actions:

- Hides applications with FSLogix App Masking within the session if the remote device is connected to an insecure Wi-Fi network.
- Denies access to applications with Microsoft AppLocker within the session if the remote device is connected to an insecure Wi-Fi network.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Wi-Fi Security Mode	Defines if the remote device is connected to a secure Wi-Fi network.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Wi-Fi Security Mode - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking within the session if the remote device is connected to an insecure Wi-Fi network.	Deactivated	You must update the following context condition with data suitable for your environment `FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa* `TERMINATE APP` *Replace ADD_PROCESS_N*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			AME_X with your target process name on all Terminate App tasks. Example: notepad++.exe
Wi-Fi Security Mode - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker within the session if the remote device is connected to an insecure Wi-Fi network.	Deactivated	You must update the following context condition with data suitable for your environment
			`MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

NOTE:

If both actions have been disabled, the contexts will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Working Time Template

This template creates a configuration that checks if the session is accessed outside of working hours. It can be found in the `COMPLIANT APPLICATION ACCESS` category when filtered for `REMOTE` platform.

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If the session is accessed outside of working hours, you can choose between two actions:

- Hides applications with FSLogix App Masking within the session when accessed outside of working time.
- Denies access to applications with Microsoft AppLocker within the session when accessed outside of working time.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Working Time	Defines if the current time is within the working time.	You must update the following context condition with data suitable for your environment
		`LOCAL - SESSION TIME Time Of Day EVERYDAY BETWEEN 08:00 AND 18:00` *Adjust your work hours to fit your requirements.*

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NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Working Time - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking within the session when accessed outside of working time.	Deactivated	You must update the following context condition with data suitable for your environment `FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa* `TERMINATE APP` *Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Working Time - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker within the session when accessed outside of working time.	Deactivated	You must update the following context condition with data suitable for your environment `MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

NOTE:

If both actions have been disabled, the contexts will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Amazon DCV Clipboard Security State Template

This template creates a configuration that applies Amazon DCV clipboard policy within the session based on the security state of the remote device. It can be found in the `DYNAMIC POLICY` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

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- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Security State	Defines the security status of the remote device.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an enforcement action that actively controls access to the session. By default, the enforcement action is enabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Conditional Configuration - Amazon DCV Settings - Security State	Applies Amazon DCV clipboard policy within the session based on the security state of the remote device.	Activated	None

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NOTE:

If the action has been disabled, the context will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Citrix Policy Access Mode Template

This template creates a configuration that applies Citrix policies within the session based on whether the remote device is accessing internally or externally. It can be found in the `DYNAMIC POLICY` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Access Mode	Defines if the remote device is internal or external to the corporate network.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an enforcement action that actively configures the session. By default, the enforcement action is enabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Conditional Configuration - Citrix Policies - Access Mode	Applies Citrix Policies within the session based on whether the remote device is accessing internally or externally.	Activated `CITRIX POLICY DISABLED` *Configure the Citrix policies to be disabled within the task.* `CITRIX POLICY ENABLED` *Configure the Citrix policies to be enabled within the task.*	You must update the following context condition with data suitable for your environment

NOTE:

If the action has been disabled, the context will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

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Citrix Policy Corporate Device Template

This template creates a configuration that applies Citrix policies within the session based on whether the remote device is a corporate managed device. It can be found in the `DYNAMIC POLICY` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Corporate Device	Defines if the remote device is a corporate managed device.	You must update the following context condition with data suitable for your environment
		`REMOTE - DOMAIN ID Any Of 2 ITEMS` *When using AD or Microsoft Entra ID domain joined devices, replace DOMAIN_SID and AZURE_TENANT_ID with your corporate values. Example:*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		S-1-5-21-1397108472-4176295369-1616608269 for a domain SID.
		`REMOTE - HARDWARE BIOS SERIAL NUMBER Any Of 3 ITEMS` *When identifying physical devices, replace BIOS_SERIAL_NUMBER_X with BIOS serial numbers of your corporate devices. Example: PF1J8T36*
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server.**Example: 192.168.0.22:30001*
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace UMS_CERTIFICATE_THUMBPRINT_SHA256 with your IGEL UMS Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME` *When using eLux devices, replace SCOUT_NAME with the name of your eLux Scout

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		Server.**Example: DTLDES01*
		`REMOTE - ELUX SCOUT CERT THUMPRINT SHA256 Equals SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THUMBPRINT_SHA256 with your eLux Scout Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an enforcement action that actively configures the session. By default, the enforcement action is enabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Conditional Configuration - Citrix Policies - Corporate Device	Applies Citrix Policies within the session based on whether the remote device is a corporate managed device.	Activated	You must update the following context condition with data suitable for your environment
		`CITRIX POLICY DISABLED` *Configure the Citrix policies to be disabled within the task.*	
		`CITRIX POLICY ENABLED` *Configure the Citrix policies to*	

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
		be enabled within the task.	

NOTE:

If the action has been disabled, the context will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Citrix Policy Wi-Fi Security Mode Template

This template creates a configuration that applies Citrix policies within the session if the remote device is connected to an insecure Wi-Fi network. It can be found in the `DYNAMIC POLICY` category when filtered for `REMOTE` platform.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Wi-Fi Security Mode	Defines if the remote device is connected to a secure Wi-Fi network.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an enforcement action that actively configures the session. By default, the enforcement action is enabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Conditional Configuration - Citrix Policies - Wi-Fi Security Mode	Applies Citrix Policies within the session based on the secure Wi-Fi network of the remote device.	Activated `CITRIX POLICY DISABLED` *Configure the Citrix policies to be disabled within the task.* `CITRIX POLICY ENABLED` *Configure the Citrix policies to be enabled within the task.*	You must update the following context condition with data suitable for your environment

NOTE:

If the action has been disabled, the context will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

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Dynamic Policy Templates

Applies a dynamic policy within the session.

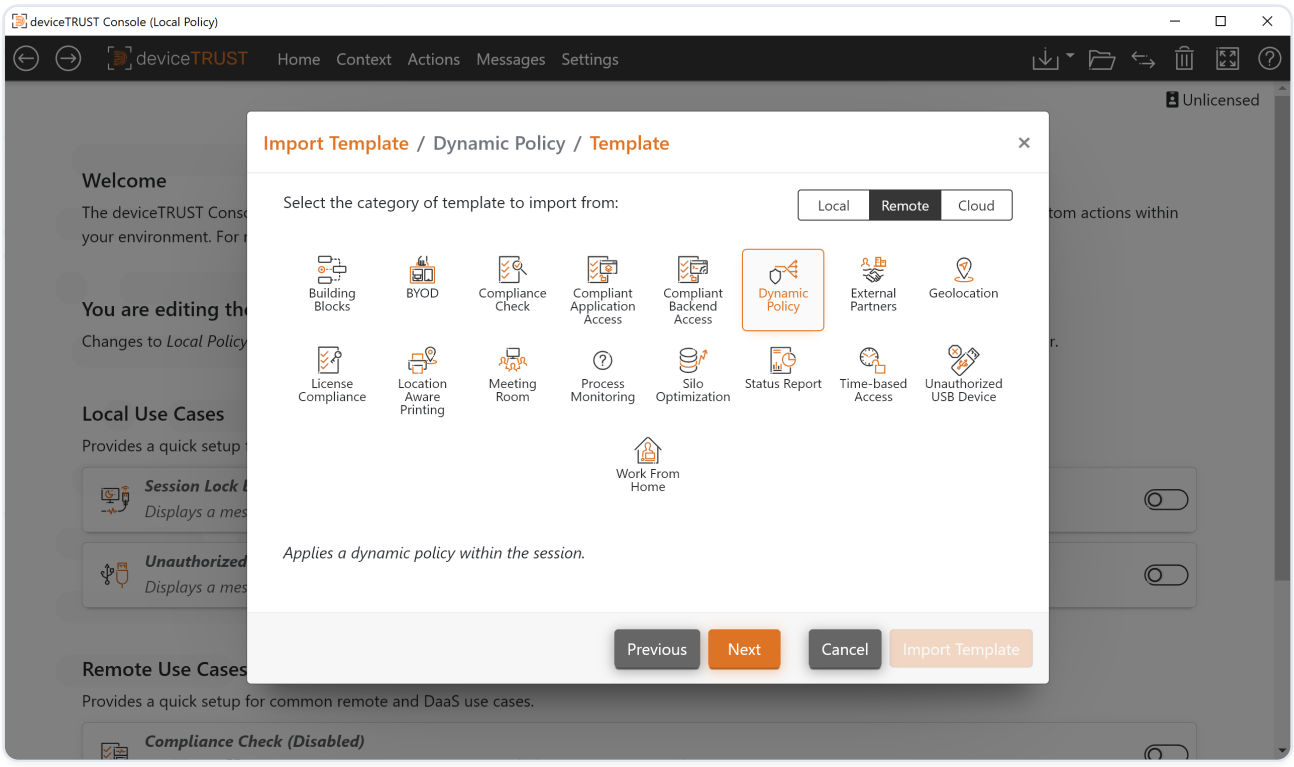


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- Amazon DCV Clipboard Security State - Applies Amazon DCV clipboard policy within the session based on the security state of the remote device.
- Citrix Policy Access Mode - Applies Citrix policies within the session based on whether the remote device is accessing internally or externally.
- Citrix Policy Corporate Device - Applies Citrix policies within the session based on whether the remote device is a corporate managed device.
- Citrix Policy Wi-Fi Security Mode - Applies Citrix policies within the session if the remote device is connected to an insecure Wi-Fi network.
- Secure Screen Saver - Locks the session if the session becomes idle and the remote devices does not have a secure screen saver configured.

Secure Screen Saver Template

This template creates a configuration that locks the session if the session becomes idle and the remote devices does not have a secure screen saver configured. It can be found in the `DYNAMIC POLICY` category when filtered for `REMOTE` platform.

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deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Session Idle	Defines the idle state of the session based on the screen saver configuration of a remote device.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an enforcement action that actively controls access to the session. By default, the enforcement action is enabled.

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Session Idle - Conditional Access - Enforcement	Locks the session if the session becomes idle.	Activated	None

NOTE:

If the action has been disabled, the context will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Conditional Access Template

This template creates a configuration that checks if the remote device is compliant with contractor policies. It can be found in the `EXTERNAL PARTNERS` category when filtered for `REMOTE` platform.

If the remote device is not compliant with contractor policies, you can choose between two actions:

- Denies access to the session if the contractor's device is not compliant.
- Displays a message in the session if the contractor's device is not compliant.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

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- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

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Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Country	Defines the country in which the remote device is located.	None
Country Provider	Defines the country provider that reports the country of the remote device.	None
Device Type	Defines the remote device device type.	You must update the following context condition with data suitable for your environment
		`REMOTE - DOMAIN ID Any Of 2 ITEMS` *When using AD or Microsoft Entra ID domain joined devices, replace DOMAIN_SID and AZURE_TENANT_ID with your corporate values. Example: S-1-5-21-1397108472-4176295369-1616608269 for a domain SID.*
		`REMOTE - HARDWARE BIOS SERIAL NUMBER Any Of 3 ITEMS` *When identifying physical devices, replace BIOS_SERIAL_NUMBER_X with BIOS serial numbers of*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		your corporate devices. Example: PF1J8T36
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server. Example: 192.168.0.22:30001*
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace UMS_CERTIFICATE_THUMBPRINT_SHA256 with your IGEL UMS Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME` *When using eLux devices, replace SCOUT_NAME with the name of your eLux Scout Server. Example: DTLDES01*
		`REMOTE - ELUX SCOUT CERT THUMPRINT SHA256 Equals SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THUMBPRINT_SHA256 with your

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		eLux Scout Server certificate thumprint.**Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
deviceTRUST Client	Defines the availability of the deviceTRUST Client Extension on the remote device.	None
Override	Defines if the session user is member of the override AD group.	You can add one or more user groups from your Microsoft Active Directory (AD) to exclude group members from actions.
Remote Controlled	Defines if the remote device is remote controlled.	None
Security State	Defines the security status of the remote device.	You must update the following context condition with data suitable for your environment
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server. Example: 192.168.0.22:30001*
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace UMS_CERTIFICATE_THUM*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		BPRINT_SHA256 with your IGEL UMS Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME` *When using eLux devices, replace SCOUT_NAME with the name of your eLux Scout Server. Example: DTLDES01*
		`REMOTE - ELUX SCOUT CERT THUMPRINT SHA256 Equals SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THUMBPRINT_SHA256 with your eLux Scout Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
Virtualized	Defines if the remote device is virtualized.	None
VPN Connected	Defines if a network adapter of the remote device is connected to a VPN network.	None
Wi-Fi Security Mode	Defines if the remote device is connected to a secure Wi-Fi network.	None

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NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Compliance Check - Conditional Access - Enforcement	Denies access to the session if the contractor's device is not compliant.	Deactivated	You must update the following context condition with data suitable for your environment
			`COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US*
Compliance Check - Conditional Access - Notification	Displays a message in the session if the contractor's device is not compliant.	Activated	You must update the following context condition with data suitable for your environment
			`COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			Alpha-2 code. *Example: US*

NOTE:

- If both actions have been disabled, the contexts will still be created.
- If both actions have been activated, the deny access task will take priority over the displaying of the notification message.
- Country codes are based on ISO 3166-1 Alpha-2 code.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Conditional Application Access Template

This template creates a configuration that checks if the remote device is compliant with contractor policies. It can be found in the `EXTERNAL PARTNERS` category when filtered for `REMOTE` platform.

If the remote device is not compliant with contractor policies, you can choose between two actions:

- Hides applications with FSLogix App Masking within the session if the contractor's device is not compliant.
- Denies access to applications with Microsoft AppLocker within the session if the contractor's device is not compliant.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts

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- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Country	Defines the country in which the remote device is located.	None
Country Provider	Defines the country provider that reports the country of the remote device.	None
Device Type	Defines the remote device device type.	You must update the following context condition with data suitable for your environment
		`REMOTE - DOMAIN ID Any Of 2 ITEMS` *When using AD or Microsoft Entra ID domain joined devices, replace DOMAIN_SID and AZURE_TENANT_ID with your corporate values. Example: S-1-5-21-1397108472-4176295369-1616608269 for a domain SID.*
		`REMOTE - HARDWARE BIOS SERIAL NUMBER Any Of 3 ITEMS` *When identifying physical devices, replace BIOS_SERIAL_NUMBER_X*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		with BIOS serial numbers of your corporate devices. Example: PF1J8T36
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server. Example: 192.168.0.22:30001*
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace UMS_CERTIFICATE_THUMBPRINT_SHA256 with your IGEL UMS Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME` *When using eLux devices, replace SCOUT_NAME with the name of your eLux Scout Server. Example: DTLDES01*
		`REMOTE - ELUX SCOUT CERT THUMPRINT SHA256 Equals SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THU*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		MBPRINT_SHA256 with your eLux Scout Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56
deviceTRUST Client	Defines the availability of the deviceTRUST Client Extension on the remote device.	None
Override	Defines if the session user is member of the override AD group.	You can add one or more user groups from your Microsoft Active Directory (AD) to exclude group members from actions.
Remote Controlled	Defines if the remote device is remote controlled.	None
Security State	Defines the security status of the remote device.	You must update the following context condition with data suitable for your environment
		`REMOTE - IGEL UMS SERVER Equals UMS_SERVER_IP:30001` *When using IGEL OS devices, replace UMS_SERVER_IP:30001 with the IP address of your IGEL UMS Server. Example: 192.168.0.22:30001*
		`REMOTE - IGEL UMS CERT THUMPRINT SHA256 Equals UMS_CERTIFICATE_THUMBPRINT_SHA256` *When using IGEL OS devices, replace*

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CONTEXT	DESCRIPTION	CUSTOMIZATIONS
		UMS_CERTIFICATE_THUMBPRINT_SHA256 with your IGEL UMS Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56
		`REMOTE - ELUX SCOUT NAME Equals SCOUT_NAME` *When using eLux devices, replace SCOUT_NAME with the name of your eLux Scout Server.**Example: DTLDES01*
		`REMOTE - ELUX SCOUT CERT THUMPRINT SHA256 Equals SCOUT_CERTIFICATE_THUMBPRINT_SHA256` *When using eLux devices, replace SCOUT_CERTIFICATE_THUMBPRINT_SHA256 with your eLux Scout Server certificate thumprint. Example: 0d57fdd21474ef7806818a661a5f1d1cb3361a8bb4ccd660dae6930a6a135a56*
Virtualized	Defines if the remote device is virtualized.	None
VPN Connected	Defines if a network adapter of the remote device is connected to a VPN network.	None
Wi-Fi Security Mode	Defines if the remote device is connected to a secure Wi-Fi network.	None

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NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Compliance Check - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking within the session if the contractor's device is not compliant.	Deactivated	You must update the following context condition with data suitable for your environment `COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US* `FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			`TERMINATE APP` *Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe*
Compliance Check - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker within the session if the contractor's device is not compliant.	Deactivated	You must update the following context condition with data suitable for your environment
			`COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US*
			`MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks.* Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

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NOTE:

- If both actions have been disabled, the contexts will still be created.
- Country codes are based on ISO 3166-1 Alpha-2 code.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

External Partners Templates

The external partners templates controls access to the session and applications when compliance requirements for external partners are not satisfied.

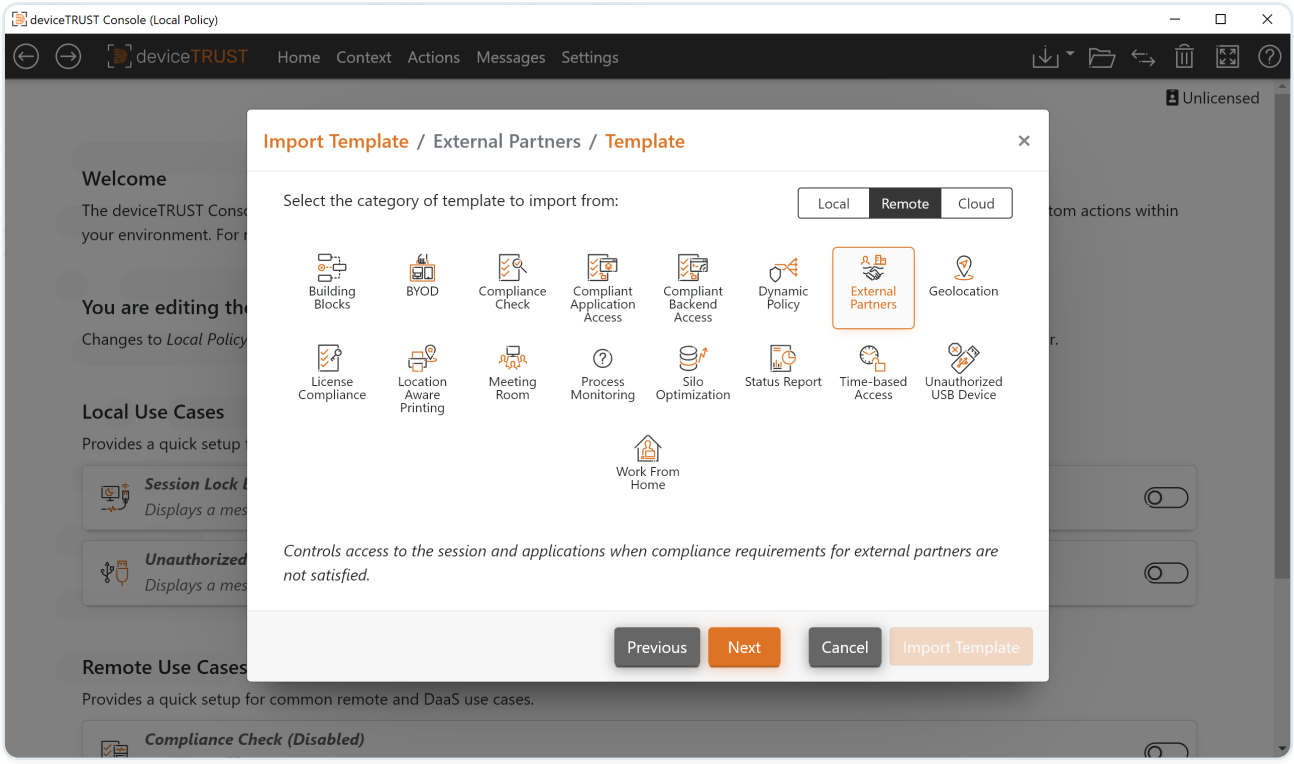


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- Conditional Access - Displays a message or denies access to the session if the remote device is not compliant with contractor policies.
- Conditional Application Access - Hides or denies access to applications within the session if the remote device is not compliant with contractor policies.

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Conditional Access for Country Template

This template creates a configuration that checks the country of the remote device. It can be found in the `GEOLOCATION` category when filtered for `REMOTE` platform.

If the remote device is not located within an authorized country, you can choose between two actions:

- Denies access to the session based on the country of the remote device.
- Displays a message in the session based on the country of the remote device.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Country	Defines the country in which the remote device is located.	None
Country Provider	Defines the country provider that reports the country of the remote device.	None

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NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Country - Conditional Access - Enforcement	Denies access to the session based on the country of the remote device.	Deactivated	You must update the following context condition with data suitable for your environment `COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code.**Example: US*
Country - Conditional Access - Notification	Displays a message in the session based on the country of the remote device.	Activated	You must update the following context condition with data suitable for your environment `COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			Alpha-2 code. *Example: US*

NOTE:

- If both actions have been disabled, the contexts will still be created.
- If both actions have been activated, the deny access task will take priority over the displaying of the notification message.
- Country codes are based on ISO 3166-1 Alpha-2 code.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Conditional Application Access for Country Template

This template creates a configuration that checks the country of the remote device. It can be found in the `GEOLOCATION` category when filtered for `REMOTE` platform.

If the remote device is not located within an authorized country, you can choose between two actions:

- Hides applications with FSLogix App Masking within the session based on the country of the remote device.
- Denies access to applications with Microsoft AppLocker within the session based on the country of the remote device.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

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- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Country	Defines the country in which the remote device is located.	None
Country Provider	Defines the country provider that reports the country of the remote device.	None

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Country - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking within the session based on the country of the remote device.	Deactivated	You must update the following context condition with data suitable for your environment

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			`COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US*
			`FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa*
			`TERMINATE APP` *Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe*
Country - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker within the session based on the country of the remote device.	Deactivated	You must update the following context condition with data suitable for your environment
			`COUNTRY None Of AUTHORIZED_COUNTRY_1,...` *Replace*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			AUTHORIZED_COUNTRY_X with your authorized countries using the ISO 3166-1 Alpha-2 code. Example: US
			`MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

NOTE:

- If both actions have been disabled, the contexts will still be created.
- Country codes are based on ISO 3166-1 Alpha-2 code.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Conditional Application Access for Proximity Template

This template creates a configuration that checks the proximity of the remote device to a given position. It can be found in the `GEOLOCATION` category when filtered for `REMOTE` platform.

If the remote device is not in proximity to a given position, you can choose between two actions:

- Hides applications with FSLogix App Masking within the session based on the proximity of the remote device to a given position.

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- Denies access to applications with Microsoft AppLocker within the session based on the proximity of the remote device to a given position.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Proximity	Defines the proximity of the remote device to a given position.	You must update the following context condition with data suitable for your environment
		`REMOTE - LOCATION POSITION In Range 500 METERS FROM 0,0,...` *Replace 0,0 with your target position and define the range to the given position on all conditions. Example: 49.8971,8.9258*

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NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Proximity - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking within the session based on the proximity of the remote device to a given position.	Deactivated	You must update the following context condition with data suitable for your environment `FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa* `TERMINATE APP` *Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe*

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Proximity - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker within the session based on the proximity of the remote device to a given position.	Deactivated	You must update the following context condition with data suitable for your environment `MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

NOTE:

If both actions have been disabled, the contexts will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Geolocation Templates

Validates and controls access based on geolocation information of the remote device.

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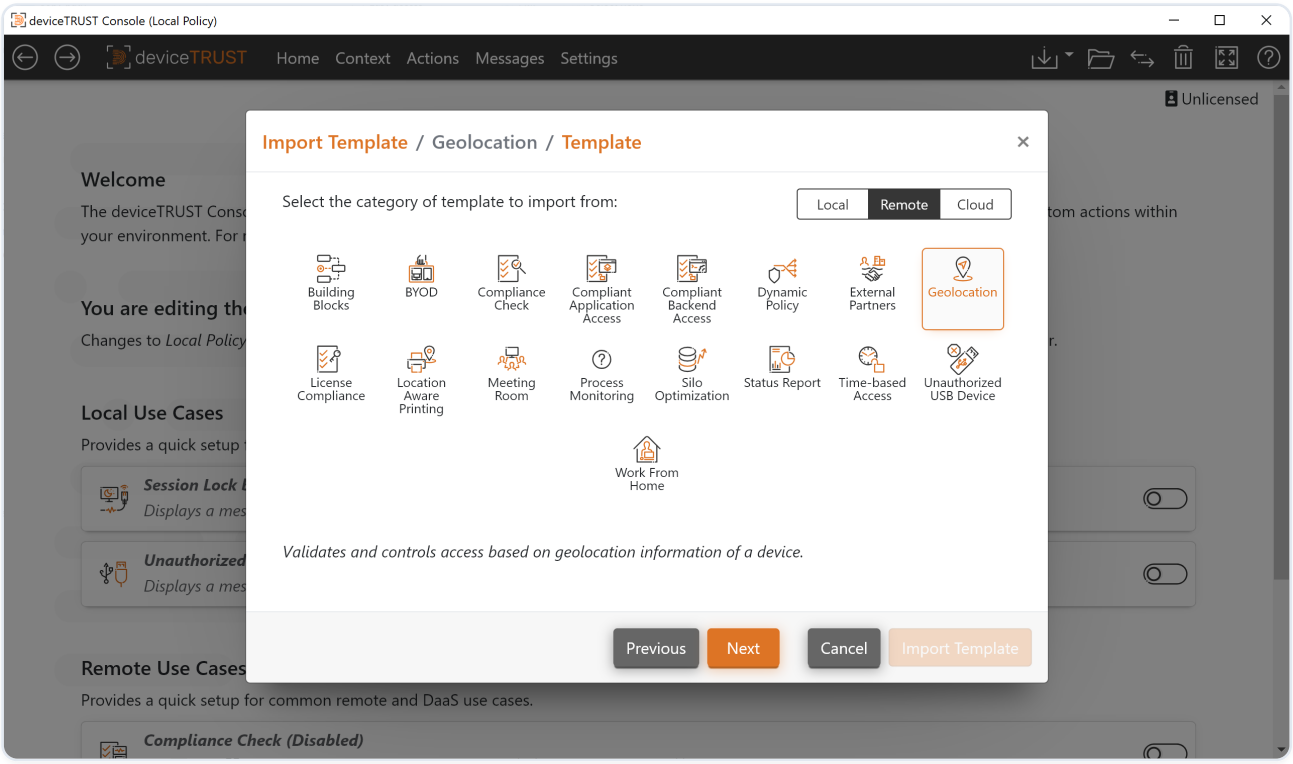


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- Conditional Application Access for Country - Hides or denies access to applications in the session based on the country of the remote device.
- Conditional Application Access for Proximity - Hides or denies access to applications in the session based on the proximity of the remote device to a given position.

Location Aware Printing Templates

Maps network printers and defines a default printer based on the device placement within a building.

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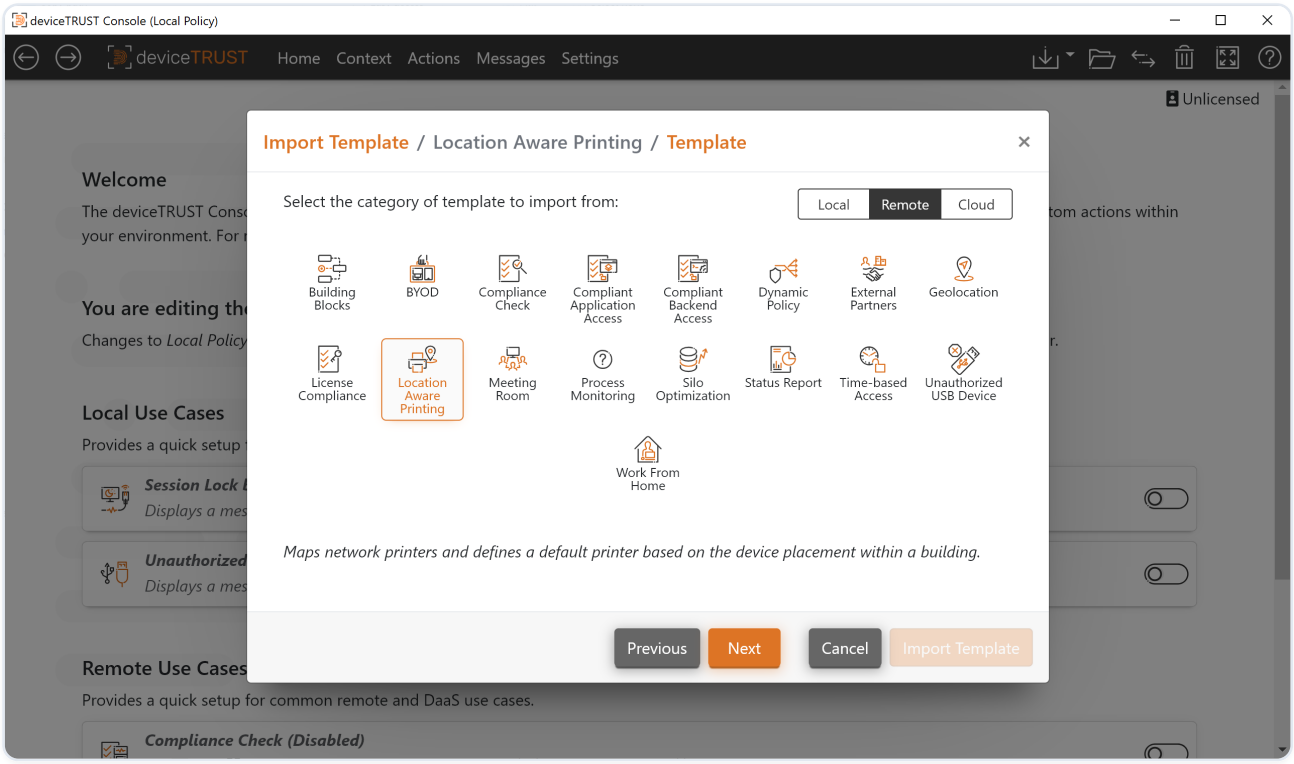


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- IP Address - Maps network printers and defines a default printer based on the location of the remote device using its IP address.
- NetBIOS Name - Maps network printers and defines a default printer based on the location of the remote device using its NetBIOS name.
- Wi-Fi Access Point - Maps network printers and defines a default printer based on the location of the remote device using its connected Wi-Fi access point.

IP Address Template

This template creates a configuration that maps network printers and defines a default printer based on the location of the remote device using its IP address. It can be found in the `LOCATION AWARE PRINTING` category when filtered for `REMOTE` platform.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

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Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Device Location	Defines the location of a remote device based on its IP address.	You must update the following context condition with data suitable for your environment
		`REMOTE - NETWORK IPV4 SUBNET IPv4 Range From 1.1.1.1 to 1.1.1.254,...` *Replace the IPv4 range for Floor 1, Floor 2, Floor 3,... with the IPv4 range representing the target location. Example: 1.1.1.1 to 1.1.1.254*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an enforcement action that actively configures the session. By default, the enforcement action is enabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Conditional Configuration -	Maps network printers and defines a default printer	Activated	You must update the following context condition with data

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Printer Management - IP Address	based on the location of the remote device using its IP address.		suitable for your environment `MAP PRINTER Unknown, MAP PRINTER Floor 1, MAP PRINTER Floor 2,...` *Configure printers for each location within the target map printer task. Example: \DTLDPS01\Corporate Printer*

NOTE:

If the action has been disabled, the context will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

NetBIOS Name Template

This template creates a configuration that maps network printers and defines a default printer based on the location of the remote device using its NetBIOS name. It can be found in the `LOCATION AWARE PRINTING` category when filtered for `REMOTE` platform.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

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Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Device Location	Defines the location of a remote device based on its NetBIOS name.	You must update the following context condition with data suitable for your environment
		`REMOTE - NAME NAME Any Of 3 ITEMS,...` *Replace DEVICE_NAME_X for Floor 1, Floor 2, Floor 3,... with the device names representing the target location. Example: DE-SG01*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an enforcement action that actively configures the session. By default, the enforcement action is enabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Conditional Configuration - Printer Management - NetBIOS name	Maps network printers and defines a default printer based on the location of the	Activated	You must update the following context condition with data

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
	remote device using its NetBIOS name.		suitable for your environment `MAP PRINTER Unknown, MAP PRINTER Floor 1, MAP PRINTER Floor 2,...` *Configure printers for each location within the target map printer task.**Example: \DTLDPS01\Corporate Printer*

NOTE:

If the action has been disabled, the context will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Wi-Fi Access Point Template

This template creates a configuration that maps network printers and defines a default printer based on the location of the remote device using its NetBIOS name. It can be found in the `LOCATION AWARE PRINTING` category when filtered for `REMOTE` platform.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

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Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Device Location	Defines the location of a remote device based on its connected Wi-Fi access point.	You must update the following context condition with data suitable for your environment `REMOTE - NETWORK WI-FI BSSID Any Of 3 ITEMS,...` *Replace ENTER_YOUR_WIFI_BSSID_HERE_X for Floor 1, Floor 2, Floor 3,... with the Wi-Fi BSSIDs representing the target location. Example: 00:01:02:03:04:EE*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes an enforcement action that actively configures the session. By default, the enforcement action is enabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Conditional Configuration -	Maps network printers and defines a default printer	Activated	You must update the following context condition with data

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Printer Management - Wi-Fi access point	based on the location of the remote device using its connected Wi-Fi access point.		suitable for your environment `MAP PRINTER Unknown, MAP PRINTER Floor 1, MAP PRINTER Floor 2,...` *Configure printers for each location within the target map printer task. Example: \DTLDPS01\Corporate Printer*

NOTE:

If the action has been disabled, the context will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Conditional Access Template

This template creates a configuration that checks if the session is accessed outside of working hours. It can be found in the `TIME-BASED ACCESS` category when filtered for `REMOTE` platform.

If the session is accessed outside of working hours, you can choose between two actions:

- Denies access to the session when accessed outside working time.
- Displays a message in the session when accessed outside working time.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

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We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Working Time	Defines if the current time is within the working time.	You must update the following context condition with data suitable for your environment `LOCAL - SESSION TIME Time Of Day EVERYDAY BETWEEN 08:00 AND 18:00` *Adjust your work hours to fit your requirements.*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Working Time - Conditional Access - Enforcement	Denies access to the session if the remote BYOD is not compliant.	Deactivated	None
Working Time - Conditional Access - Notification	Displays a message in the session when accessed outside working time.	Activated	None

NOTE:

- If both actions have been disabled, the contexts will still be created.
- If both actions have been activated, the deny access task will take priority over the displaying of the notification message.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Conditional Application Access Template

This template creates a configuration that checks if the session is accessed outside of working hours. It can be found in the `TIME-BASED ACCESS` category when filtered for `REMOTE` platform.

If the session is accessed outside of working hours, you can choose between two actions:

- Hides applications with FSLogix App Masking within the session when accessed outside of working time.
- Denies access to applications with Microsoft AppLocker within the session when accessed outside of working time.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through

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simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Working Time	Defines if the current time is within the working time.	You must update the following context condition with data suitable for your environment `LOCAL - SESSION TIME Time Of Day EVERYDAY BETWEEN 08:00 AND 18:00` *Adjust your work hours to fit your requirements.*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

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Step 3: Actions

The template includes an FSLogix App Masking and a Microsoft AppLocker enforcement action that actively controls access to applications, depending on the technology available. By default both actions are disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Working Time - Conditional Application Access - Enforcement - FSLogix App Masking	Hides applications with FSLogix App Masking within the session when accessed outside of working time.	Deactivated	You must update the following context condition with data suitable for your environment
			`FSLOGIX APP MASKING` *Replace ENTER_YOUR_FXA_PATH_HERE with your target .fxa file path on all FSLogix App Masking tasks. Example: %ProgramFiles%\FSLogix\Apps\Rules\NotepadPlusPlus.fxa*
			`TERMINATE APP` *Replace ADD_PROCESS_NAME_X with your target process name on all Terminate App tasks. Example: notepad++.exe*
Working Time - Conditional Application Access - Enforcement - Microsoft AppLocker	Denies access to applications with Microsoft AppLocker within the session when accessed outside of working time.	Deactivated	You must update the following context condition with data suitable for your environment

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ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
			`MICROSOFT APPLOCKER` *Replace ENTER_YOUR_PATH_HERE with your target configuration on all Microsoft AppLocker tasks. Example: %PROGRAMFILES%\Notepad++\notepad++.exe*

NOTE:

If both actions have been disabled, the contexts will still be created.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

Time-based Access Templates

Controls access to the session or applications when accessed outside of working hours.

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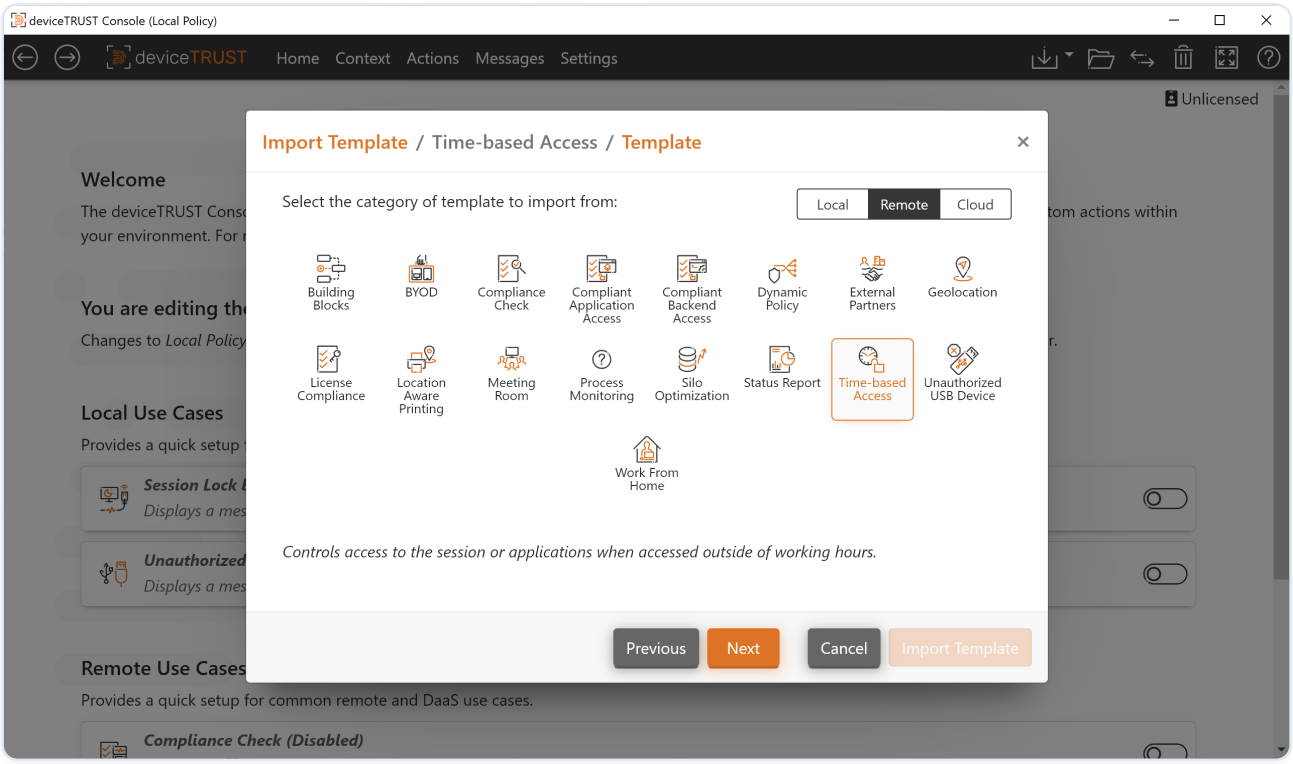


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- Conditional Access - Displays a message or denies access to the session when accessed outside of working hours.
- Conditional Application Access - Hides or denies access to applications in the session when accessed outside of working hours.

Unauthorized USB Device Templates

Denies access to the session when an unauthorized USB device is plugged in.

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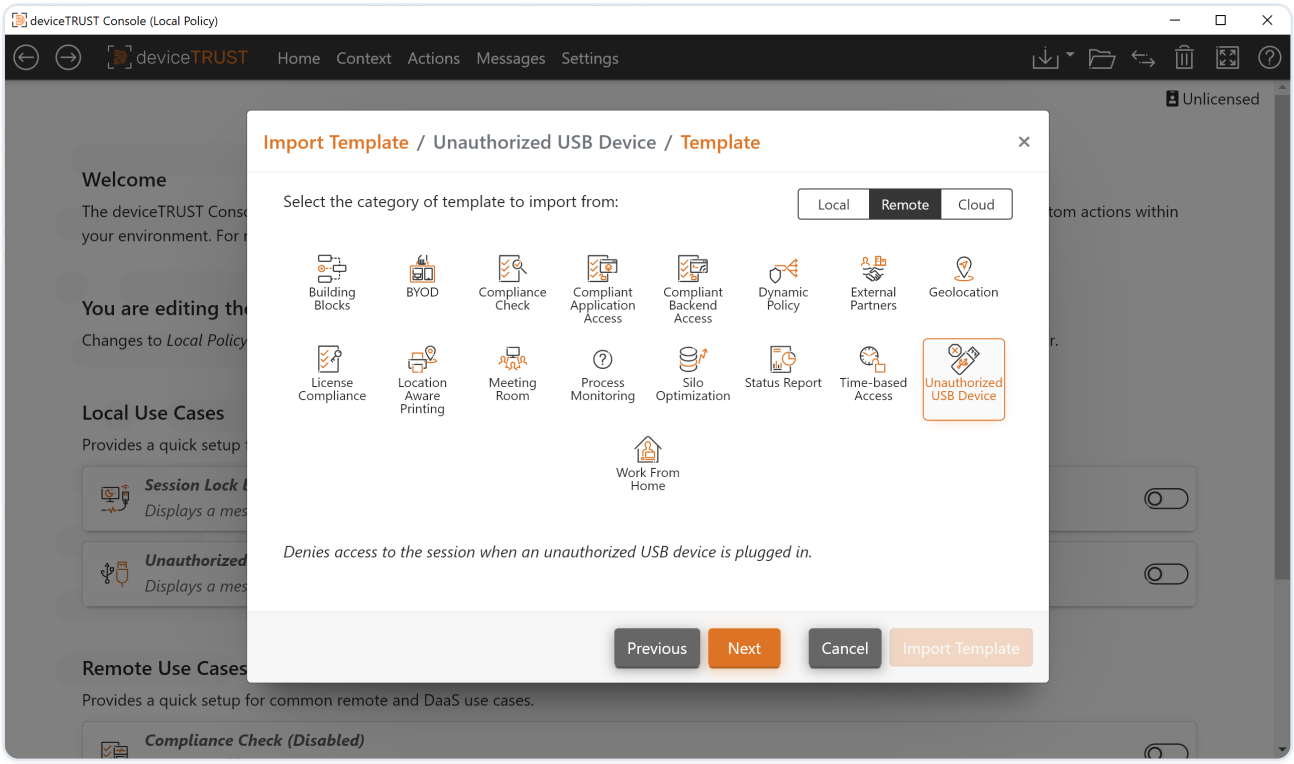


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- Unauthorized USB Device - Displays a message or denies access to the session if an unauthorized USB device (Stick, Camera and Mobile Phone) is plugged into the remote device.

Unauthorized USB Device Template

This template creates a configuration that checks if an unauthorized USB device (Stick, Camera and Mobile Phone) is plugged into the remote device. It can be found in the `UNAUTHORIZED USB DEVICE` category when filtered for `REMOTE` platform.

If an unauthorized USB device (Stick, Camera and Mobile Phone) is plugged into the remote device, you can choose between two actions:

- Denies access to the session if an unauthorized USB device (Stick, Camera and Mobile Phone) is plugged into the remote device.
- Displays a message in the session if an unauthorized USB device (Stick, Camera and Mobile Phone) is plugged into the remote device.

deviceTRUST® requires some simple but essential configuration steps to be performed to enable the template for your remoting and DaaS environments. We will guide you step-by-step through simple deviceTRUST configuration steps to enable the template within your remoting or DaaS environment.

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We will perform the following steps:

- Step 1: Prerequisites
- Step 2: Contexts
- Step 3: Actions

Step 1: Prerequisites

If the required deviceTRUST components (Agent, Console, Client Extension and License) are not yet installed, please visit the Getting Started for Remote guide and complete step 1 to 5 and then continue here with step 2 below.

Step 2: Contexts

The template has imported the following contexts:

CONTEXT	DESCRIPTION	CUSTOMIZATIONS
Unauthorized USB Device	Defines if an unauthorized USB device, such as a Stick, Camera or Mobile Phone, is plugged into the remote device.	You must update the following context condition with data suitable for your environment `REMOTE - LOGICAL DISK IDENTITY Not Equals 0x000,0x000,ABC123456` *When checking for unauthorized USB devices, add all of your authorized USB devices by Vendor ID (VID), Product ID (PID) and / or Serial Number. Example: 0x0781,0x5567,4C530000110526106001 SanDisk Cruzer Blade USB Device.*

NOTE:

If a context is not needed, it can be deactivated or deleted. In addition, the corresponding task sequence within the relevant action must be deleted too.

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Step 3: Actions

The template includes a notifying action that displays a message to the user about a context status and an enforcement action that actively controls access to the session. By default, only the notifying action is enabled and the enforcement action is disabled.

ACTION	DESCRIPTION	DEFAULT STATE	CUSTOMIZATIONS
Unauthorized USB Device Enforcement	Denies access to the session if an unauthorized USB device (Stick, Camera and Mobile Phone) is plugged into the remote device.	Deactivated	None
Unauthorized USB Device Notification	Displays a message in the session if an unauthorized USB device (Stick, Camera and Mobile Phone) is plugged into the remote device.	Activated	None

NOTE:

- If both actions have been disabled, the contexts will still be created.
- If both actions have been activated, the deny access task will take priority over the displaying of the notification message.

Troubleshooting

If your deviceTRUST installation or configuration does not work as expected, you can use the Troubleshooting guide to start troubleshooting.

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