



# Citrix Receiver for Universal Windows Platform

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## What's new

July 23, 2018

This release addresses a number of internal and customer-reported issues that help to improve overall performance and stability.

For more information on fixed issues, see [Fixed issues](#).

## Fixed issues

July 23, 2018

### Issues fixed in Citrix Receiver for UWP 1.0.6.0

- When you upgrade the Windows 10 operating system to Falls Creators Update (Version 1709), the Enter key might not function and the other keys create double entries. [#UWP-628]

### Issues fixed in Citrix Receiver for UWP 1.0.5.0

- When a DNS configuration is set to email-based account discovery, you might not be able to add a Store account using FQDN or email address.

[#UWP-600]

- On a HoloLens device, you might not be able to launch a VDA session.

[#UWP-618]

## Known issues

July 23, 2018

The following known issues have been observed in this release:

- In a PNAgent store, subscribed apps and desktops do not enumerate on the home screen at logon. [#UWP-440]

## Third party notices

July 23, 2018

Receiver for UWP might include third party software licensed under the terms defined in the following document:

[Receiver for UWP - Third-party notices](#)

## System requirements and compatibility

July 23, 2018

### Requirements

- Windows 10 operating system.

#### Note

Fall Creators Update (Version 1709) is the minimum build version supported. If your system is running on a version lesser than 1709, Citrix Receiver for Windows gets installed on the system.

### Compatibility matrix

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Compatible devices

IoT-compatible devices

Surface PC

Thin client

Phones

Surface Hub

Windows 10 S devices

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Citrix Receiver for UWP is also compatible with all currently supported versions of XenApp, XenDesktop, StoreFront and NetScaler Gateway as listed in the [Citrix Product Lifecycle Matrix](#).

## Connections, Certificates, and Authentication

Thin client

Phones

Surface Hub

Windows 10 S devices

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## Connections, Certificates, and Authentication

### Connections

- HTTPS store
- NetScaler Gateway 11.1 and 11.0

### Secure connections

#### TLS

You can launch apps and desktops from Citrix Receiver for UWP only if the VDA is configured for TLS connections. For more information about configuring TLS on the VDA, see Transport Layer Security (TLS).

When TLS is configured on the VDA, the first connection attempt occurs using TLS 1.2. If TLS 1.2 is not supported, the connection falls back to TLS 1.1 or eventually TLS 1.0. When a wildcard certificate is configured, the TLS connection to the VDA is successful.

The Server certificate is verified with RSA 2048-bit key length and SHA 256 algorithm.

By default, the connection between the user device and NetScaler Gateway uses **TLS**.

The root certificate must be in the local key store so that the remote gateway's certificate can be verified when a connection attempt occurs. If Citrix Receiver for UWP cannot verify the certificate, it displays a corresponding warning. If you continue through the warning, the list of applications is displayed; however, the applications do not launch.

The device must be configured with the correct date and time because Windows checks the certificate date against the device date.

#### Note

Citrix Receiver for UWP does not validate certificates. It is an SSL connection only if it is validated and trusted by the operating system.

### Certificates

- Private (self-signed)
- Intermediate
- Wildcard

#### Private (self-signed) certificates

If a private certificate is installed on the remote gateway, the root certificate of the organization's certificate authority must be installed on the user device. This ensures successful access to virtual desktops and applications using Citrix Receiver for UWP.

To install a self-signed certificate, download the certificate on the device and run the following command from a command line:

```
certutil -f -addstore -user root NameOfCert.cer
```

Administrator-level credentials are required to run the above command.

#### Intermediate certificates and NetScaler Gateway

If your certificate chain includes an intermediate certificate, the intermediate certificate must be appended to the NetScaler Gateway server certificate. For more information on configuring certificate, see Knowledge Center article [CTX122955](#)

#### Wildcard certificates

Wildcard certificates are used in place of individual server certificates for any server within the same domain. Citrix Receiver for UWP supports wildcard certificates.

#### Authentication

For connections to virtual desktops and apps, Citrix Receiver for UWP supports StoreFront and Web Interface.

- XenApp and XenDesktop 7.13 and later

- StoreFront 2.1, 2.0 (recommended), or StoreFront 1.2  
Provides direct access to the store.
- StoreFront configured with Receiver for website  
Provides access to the store from a web browser. On a session, the user is prompted to open an ICA file to continue.

## Connections

Citrix Receiver for UWP supports HTTPS through any of the following configurations.

- For LAN connections:
  - StoreFront using https.  
Note: Only HTTPS store configuration is supported. HTTP store configuration is not supported.
- For secure remote or local connections:
  - Citrix NetScaler Gateway 11.1 and 11.0

## About secure connections and SSL certificates

### TLS

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### **Wildcard certificates**

Wildcard certificates are used in place of individual server certificates for any server within the same domain. Citrix Receiver for UWP supports wildcard certificates.

## **Authentication**

### **Authentication to StoreFront**

- Domain
- Security token
- Two-factor authentication (Domain plus Security token)\*

\*Available only in deployments that include NetScaler Gateway.

### **Authentication to Web Interface**

Web Interface uses the term "Explicit" for domain and security token authentication.

- Domain
- Security token
- Two-factor authentication (domain plus security token)\*



\*Available only in deployments that include NetScaler Gateway, with or without the NetScaler Gateway plug-in installed on the device

Citrix Receiver for UWP automatically detects authentication requirements (password or password + passcode) and displays authentication prompts accordingly. If protocols require another method of authentication, Citrix Receiver for UWP requests for a password by default.

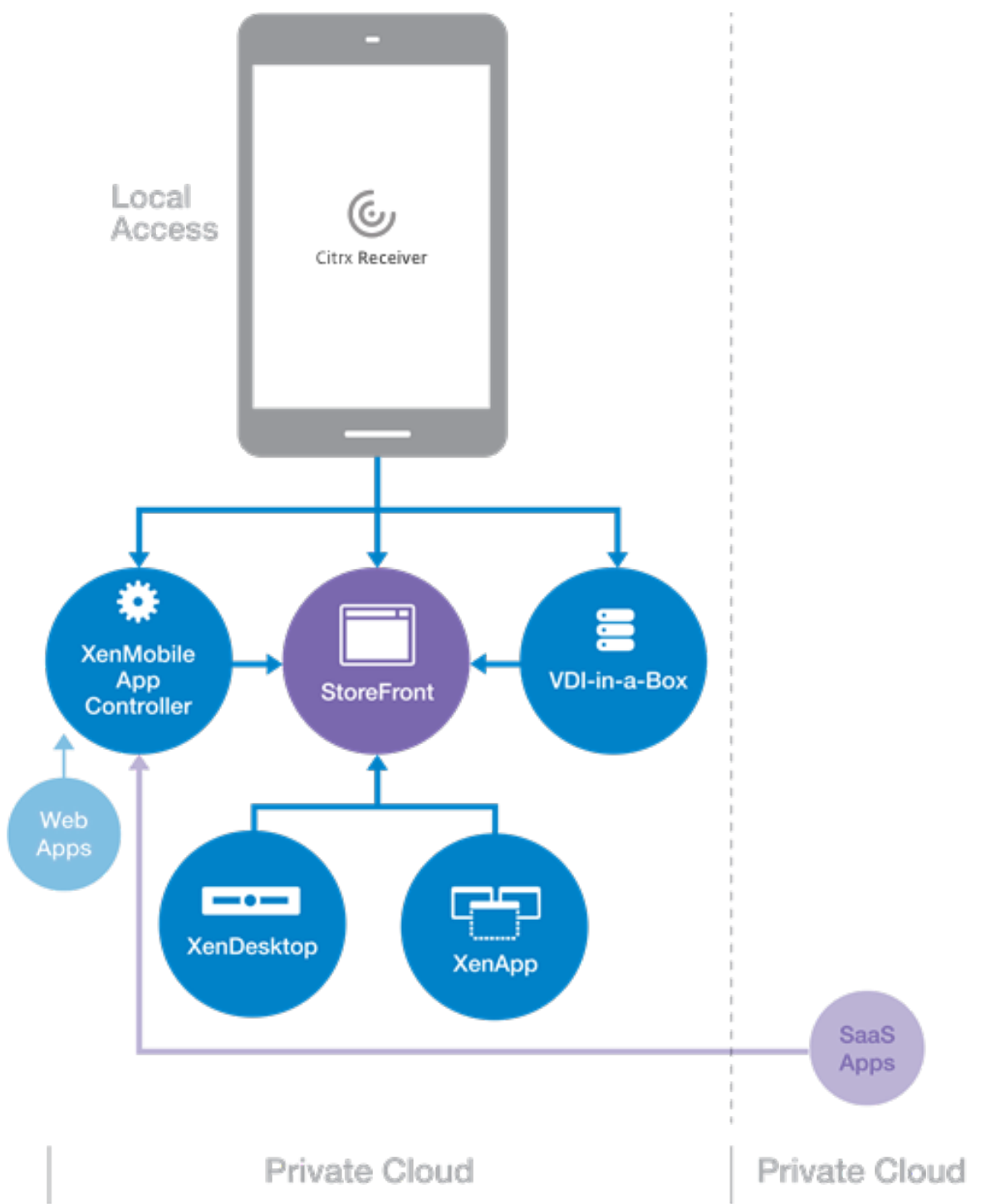
After authenticating a user, Citrix Receiver for UWP saves user account details. The account name is **My Virtual Apps**.

Citrix Receiver for UWP supports the storage of only the domain and user name of a single account. Multiple accounts and the storage of passwords and passcodes are not supported. You can edit or remove the user account from the **Settings** option.

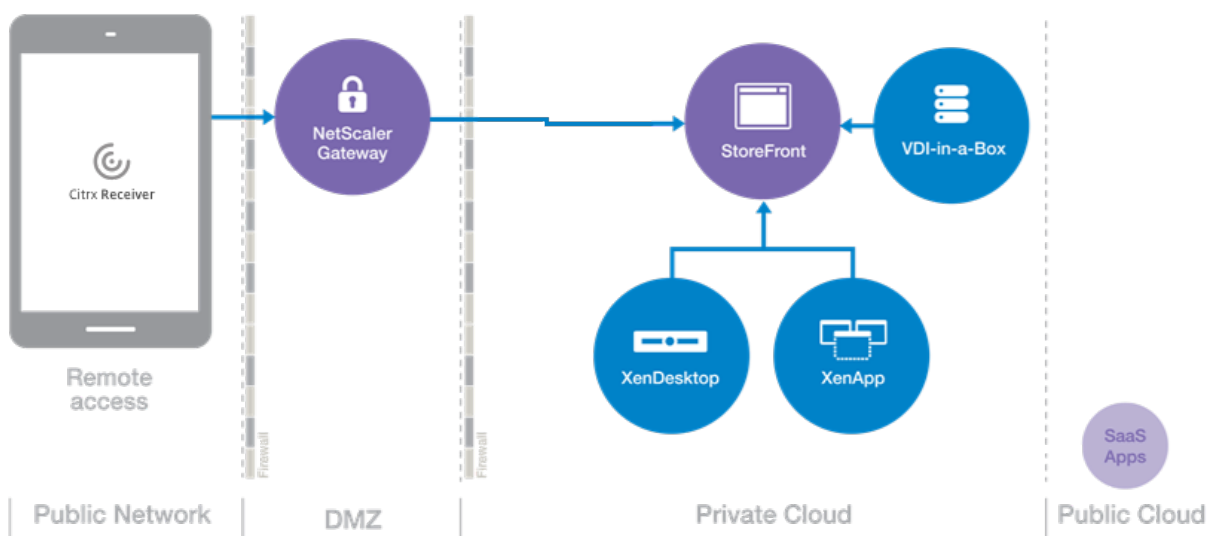
## Configure

July 23, 2018

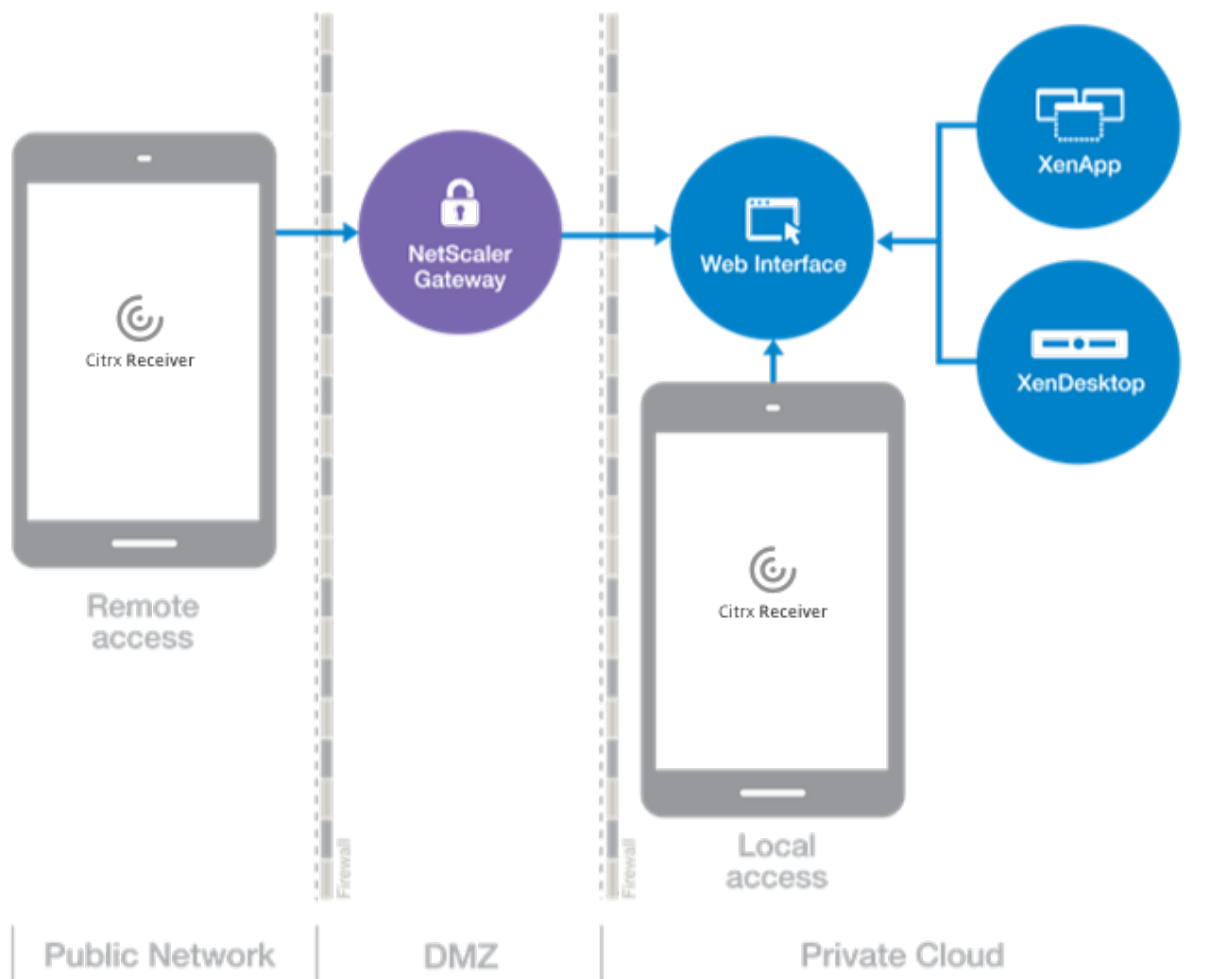
Citrix Receiver for UWP supports StoreFront or Web Interface connections to virtual desktops and applications. The following diagram shows local connections from Citrix Receiver for UWP to StoreFront.



The following diagram shows remote connections from Citrix Receiver for UWP to NetScaler Gateway, which connects to StoreFront.



The following diagram shows remote connections from Citrix Receiver for UWP to NetScaler Gateway, which connects to Web Interface.



These configuration steps allow users to access their virtual desktops and applications:

- Configure application delivery to enhance the experience for users when they access their applications through StoreFront stores.
- Configure StoreFront to make virtual desktops and applications available to users. Supported versions of Web Interface require no special configuration to allow connections through Citrix Receiver for UWP.
- Connect with NetScaler Gateway to configure secure access.
- Connect through a firewall.
- Provide users with account information.

## Configure application delivery

When delivering applications with XenDesktop or XenApp, consider the following options to enhance the experience for users when they access their applications through store. For information about delivering applications using XenDesktop 7, see the XenDesktop 7 documentation.

- Include meaningful descriptions for applications in a Delivery Group. Descriptions are visible to Citrix Receiver for UWP users.
- Append keywords to the descriptions you provide for delivery group applications:
  - To subscribe all users of a store to an application automatically, append the text string **KEYWORDS: Auto** to the description. When users log on to the store, the application is provisioned. If this keyword is not used, users must manually subscribe to the application.
  - To provide automatic subscription feature and also prevent users from using Citrix Receiver for UWP to remove the application, append the text string **KEYWORDS: Mandatory** to the application description.
  - To advertise applications or to list the most commonly used applications in the Featured list, append the text string **KEYWORDS: Featured** to the application description.

For information about other keywords, see “Additional recommendations” in StoreFront documentation.

## Connect with NetScaler Gateway

To allow connections from internal or remote users to StoreFront through NetScaler Gateway, integrate NetScaler Gateway and StoreFront. This deployment allows users to connect to StoreFront to access virtual desktops and applications. Users connect through Citrix Receiver for UWP.

- [Configuring Custom Clientless Access Policies for Citrix Receiver for UWP](#)

To enable remote users to connect through NetScaler Gateway to your Web Interface deployment, configure NetScaler Gateway to support Web Interface. For more information, see [Accessing XenApp and XenDesktop Resources with the Web Interfaceload](#)

#### Note

Citrix Receiver for UWP is preferred on phones. For a feature-rich user experience, Citrix recommends you to use Citrix Receiver for Windows on laptops and desktops. You can download Citrix Receiver for Windows from the [download](#) page.

### Connect through a firewall

Network firewalls can allow or block packets based on the destination address and port. If you are using a firewall, Citrix Receiver for UWP must be able to communicate through the firewall with both the Web server and Citrix server. The firewall must permit HTTPs traffic for the user device to Web server communication. For Citrix Receiver for UWP to Citrix server communication, the firewall must permit inbound ICA traffic on ports 1494 and 2598.

### Provide users with provisioning files

StoreFront provides provisioning files that users can open to connect to stores.

You can use StoreFront to create provisioning files containing connection details for accounts. You make these files available to your users to enable them to configure Citrix Receiver for UWP automatically. Open the file to configure Citrix Receiver for UWP after installation. If you configure Receiver for websites, users can also obtain Receiver provisioning files from those sites.

### Configure email-based account discovery

When you configure Citrix Receiver for UWP for email-based account discovery, users type their email address rather than a server URL. Citrix Receiver for UWP determines the NetScaler Gateway or StoreFront server associated with the email address based on Domain Name System (DNS) Service (SRV) records. Citrix Receiver for UWP then prompts the user to log on to access virtual desktops and applications.

To configure your DNS server to support email-based discovery, see the StoreFront documentation.

To configure NetScaler Gateway, see the NetScaler Gateway documentation.

#### Note

Email-based account discovery is not supported for deployment with Web Interface.

### Provide users with account information to type manually

If providing users with account details to type manually, ensure that you distribute the following information to enable them to connect to their virtual desktops and applications:

- The URL for the StoreFront store or, for Web Interface deployments, the XenDesktop Services site or XenApp and XenDesktop Site; for example <https://servername.company.com>
- For access using the NetScaler Gateway, the address for that server

When a user types the details for a new account, Citrix Receiver for UWP attempts to verify the connection. If successful, Citrix Receiver for UWP prompts the user to log on to the account.

When a user navigates to a Receiver for website, the user is prompted to install or log on. Inform users to proceed as follows:

1. When prompted to install or log on, select Log on. (Citrix Receiver for UWP is already installed, so the user needs to log on.)  
The Receiver for Web window lists available apps.
2. From the Receiver for Web window, start an app.
3. When prompted to open or save, select **Open**.

The app starts.

When a user attempts to start an app from a XenApp and XenDesktop Site, the user is prompted to open or save a file. After the user selects **Open**, the app starts.

## Adding an account

To enable users to setup accounts manually, distribute the information they require to connect:

- For connections to a StoreFront store, provide the URL for that server. For example, <https://servername.company.com>  
For web interface deployments, provide the URL for the XenApp and XenDesktop Site.
- For connections through NetScaler Gateway, determine if the user must see the configured stores or just the store that has remote access enabled for a specific NetScaler Gateway.
  - To present configured store: Provide users with the NetScaler Gateway fully qualified domain name.

When a user types the details for a new account, Citrix Receiver for UWP attempts to verify the connection. If successful, Citrix Receiver for UWP prompts the user to log on to the account.

### Note

Citrix Receiver for UWP supports only one store configuration on the StoreFront.

## Remember my password

The Remember my Password feature lets Citrix Receiver for UWP store the user credentials provided to access the store.

After launching Citrix Receiver for UWP, a prompt appears, asking for user name and password. Type your credentials and select the **Remember my password** option.

If **Remember my password** option is not selected, you must type your credentials to access the store at every session launch.

## Deploy

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Citrix Receiver for UWP is available from the Microsoft store as “Citrix Receiver.” It is available for all devices that run Windows 10. You can install Citrix Receiver for UWP by searching for Citrix Receiver in Store and select **Get**.

## User experience

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### Support for Microsoft Continuum

Citrix Receiver for Universal Windows Platform provides hardware support for Microsoft Continuum devices, including the Microsoft Lumia 950 series, and HP Elite X3 Lap Dock.

Microsoft Continuum is a feature of the Windows 10 operating system. With this feature, Windows 10 and Universal Apps detect the hardware in use (phones, tablets, laptops, desktop PCs) and display and behave in a way optimized to that hardware. Continuum also helps Windows 10 and Universal Apps adapt to changes in hardware mode. Such changes occur, for example, when you detach a tablet from its physical keyboard or connect your mobile phone to an external monitor for display. Some changes in hardware mode require an adapter.

Citrix Receiver for Universal Windows Platform supports the use of following external devices along with Continuum:

- Pointing devices
- Keyboards
- HDMI-compatible monitors.

Continuum can be used as both a wired and a non-wired interface. After connecting the phone to an external display, the application adapts to the native resolution of the external display.

## Support for pinch-to-zoom

Citrix Receiver for UWP provides pinch-to-zoom functionality in an active session.

### Settings

After launching Citrix Receiver for UWP, select **Settings** to configure various options. **Settings** option displays the following tabs:

1. Accounts
2. Preferences
3. Logs
4. About

### Accounts

The Accounts tab gives you the details of the configured store used to access StoreFront. Here, you can find details such as Name, Description, and StoreFront URL.

You can edit or remove the store details from this tab.

Select **Log off** to log out of the session.

### Preferences

On the Preferences tab, you can configure the automatic keyboard pop-up option for Citrix Receiver for UWP.

With the **Automatic keyboard pop-up** enabled, a touch keyboard appears automatically on the screen when you select a text field or any other user input field.

By default, the **Automatic keyboard pop-up** feature is set to enabled.

Following are the behavior cases when the policy set in Citrix Studio and the Receiver for UWP are different.

Citrix Studio Policy	Receiver for UWP setting	Resulting Behavior
DISABLED	ENABLED	DISABLED
DISABLED	DISABLED	DISABLED
ENABLED	DISABLED	DISABLED
ENABLED	ENABLED	ENABLED



## Logs

On the **Logs** tab, users can trace the session logs.

To assist with troubleshooting connection issues, logs are generated for Receiver for UWP and stored on Microsoft OneDrive.

By default, **Enable logging** is not selected.

To enable logging, select **Enable logging**.

### Note

The performance of Citrix Receiver for UWP might slow down when **Enable logging** is selected.

## About

The About tab gives details of the software used on your device.

It provides the version number of the software, link to third-party notices, and an email address (RfUW-Pfeedback@citrix.com) is given for you to provide feedback.

**Locations**

Corporate Headquarters | 851 Cypress Creek Road Fort Lauderdale, FL 33309, United States

Silicon Valley | 4988 Great America Parkway Santa Clara, CA 95054, United States

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