



NetScaler with Unified Gateway

Configuring Circonus

Abstract

Configuring Circonus for SSO enables administrators to manage their users using NetScaler.

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Preface

This section provides an overview about the information included in this guide.

Intended Audience

The information in this guide is intended for the System Administrators.

Document Conventions

The following table lists various conventions used in this guide.

Table 1: Document conventions used in this guide

Convention	Description
Bold	Used for names of interface elements (such as names of fields, panes, windows, menus, buttons, dialog boxes) and what the user specifically selects, clicks, presses, or types.
Note	Used to highlight information that is important.

Overview

The Citrix NetScaler application delivery controller (ADC) helps to load balance, accelerate, optimize, and secure enterprise applications.

Circonus provides data analytics and monitoring platform to deliver alerts, graphs, dashboards, and machine-learning intelligence that help to improve operations and business.

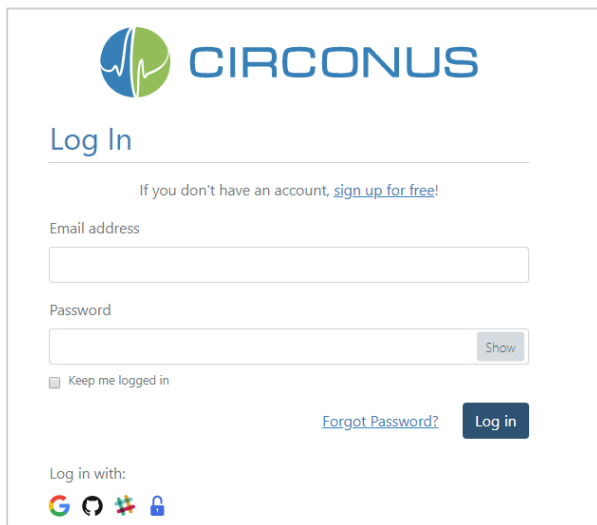
You can connect Circonus with NetScaler by using your company's credentials to log on to your account via Single Sign-On (SSO).

Configuring Circonus for Single Sign-On

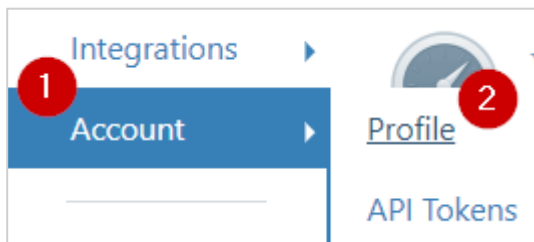
Configuring Circonus for SSO enables administrators to manage their users using NetScaler. Users can securely log on to Circonus using their enterprise credentials.

To configure Circonus for SSO through SAML, follow the steps below:

1. In a browser, type <https://login.circonus.com/> and press enter.
2. Log on to your Circonus account as an administrator.



3. On the home page, click **Account > Profile**.



- i. Remotely access your NetScaler instance using PuTTY.
- ii. Navigate to /nsconfig/ssl folder (using shell command cd /nsconfig/ssl) and press Enter.
- iii. Type cat <certificate-name> and press Enter.

```
root@pers:~# cd /nsconfig/ssl
root@pers:~# cat <certificate-name>
-----BEGIN CERTIFICATE-----
MIIClzCCAkCgAwIBAgIGAWHYpNi8MA0GCSqGSIb3DQEBBQUAMIGuMQswCQYDVQQGEwJVUzETMBEG
A1IChzCCAkCgAwIBAgIGAWHYpNi8MA0GCSqGSIb3DQEBBQUAMIGuMQswCQYDVQQGEwJVUzETMBEG
4BNDk1NDk1NDk1NDk1NDk1NDk1NDk1NDk1NDk1NDk1NDk1NDk1NDk1NDk1NDk1NDk1NDk1NDk1NDk1
f2MDExMDExMDExMDExMDExMDExMDExMDExMDExMDExMDExMDExMDExMDExMDExMDExMDExMDEx
N1MRYwMRYwMRYwMRYwMRYwMRYwMRYwMRYwMRYwMRYwMRYwMRYwMRYwMRYwMRYwMRYwMRYwMRYw
FAaWR1aWR1aWR1aWR1aWR1aWR1aWR1aWR1aWR1aWR1aWR1aWR1aWR1aWR1aWR1aWR1aWR1aWR1aWR1
cjBgkqBgkqBgkqBgkqBgkqBgkqBgkqBgkqBgkqBgkqBgkqBgkqBgkqBgkqBgkqBgkqBgkqBgkq
ak7aff7aff7aff7aff7aff7aff7aff7aff7aff7aff7aff7aff7aff7aff7aff7aff7aff7aff7aff
oC5OyZ5OyZ5OyZ5OyZ5OyZ5OyZ5OyZ5OyZ5OyZ5OyZ5OyZ5OyZ5OyZ5OyZ5OyZ5OyZ5OyZ5OyZ
oaFF3kFF3kFF3kFF3kFF3kFF3kFF3kFF3kFF3kFF3kFF3kFF3kFF3kFF3kFF3kFF3kFF3kFF3k
N+H99ZH99ZH99ZH99ZH99ZH99ZH99ZH99ZH99ZH99ZH99ZH99ZH99ZH99ZH99ZH99ZH99ZH99Z
7Xhr81hr81hr81hr81hr81hr81hr81hr81hr81hr81hr81hr81hr81hr81hr81hr81hr81hr81hr81
JPrC4ydcewMxqGdFFSQ/LHWUPGvGlpHzj47MzcN0EbdvVmKF6le4/ftkvz3ST3U=
-----END CERTIFICATE-----
root@pers:~#
```

- iv. Copy the text from -----BEGIN CERTIFICATE----- to -----END CERTIFICATE-----
 - v. Paste the text in a text editor and save the file in an appropriate format such as <your organization name>.pem
- vi. Click **Ok**.

You have completed the required configuration on the service provider which is in this case – Circonus.

Configuring NetScaler for Single Sign-On

For configuring NetScaler for Circonus, you must retrieve and set specific values such as assertion consumer URL, and entity ID.

Prerequisites

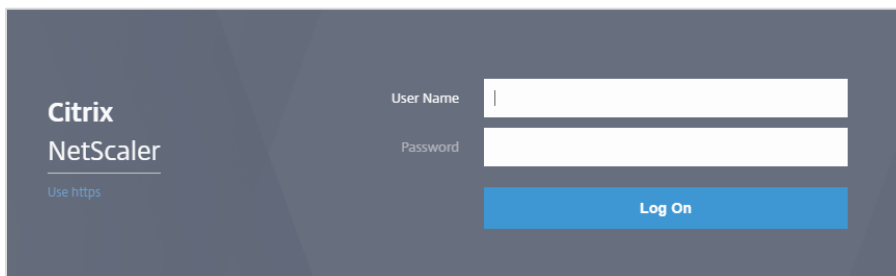
Ensure that you obtain the SP certificate before you start with the configuration.

To obtain the SP certificate follow the steps below:

- a. Connect to VPN using NetScaler with Unified Gateway.
- b. Download the metadata by accessing https://login.circonus.com/saml_sp_metadata.
- c. Copy the text inside the X509Certificate tag.
- d. Create a new notepad file, add the text that you have copied between -----BEGIN CERTIFICATE----- and -----END CERTIFICATE-----.
- e. Ensure that you add 65 characters per line to follow the PEM format.
- f. Do not add a new line at the end or beginning of the text.
- g. Save the file using an appropriate name for example: Circonus.pem.
- h. Copy the file to the NetScaler I.P. at /nsconfig/ssl using WinSCP or other similar tool.
- i. Remotely access your NetScaler instance using PuTTY.
- j. Run the following command: `add ssl certkey Circonus-sp -cert Circonus.pem`

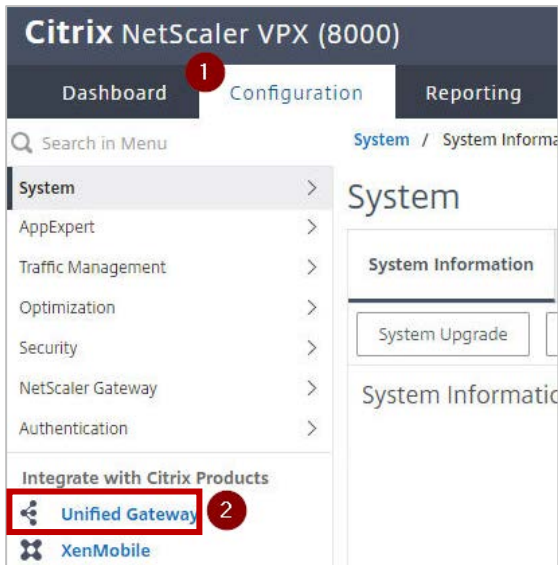
To configure NetScaler for single sign on through SAML, complete the following steps:

1. Connect to VPN using NetScaler with Unified Gateway.
Note: Ensure that you obtain SP certificate before you start with the configuration. For more information refer [Prerequisites](#).
2. Log on to NetScaler using your user name and password.

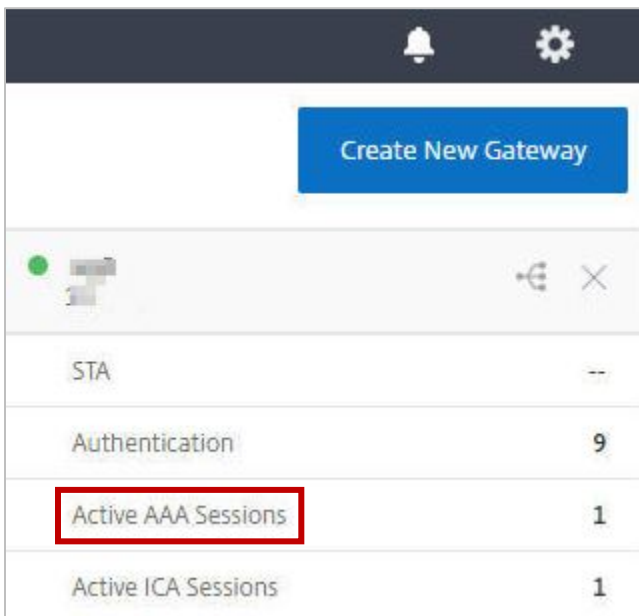


The image shows a screenshot of the Citrix NetScaler login interface. On the left side, the 'Citrix NetScaler' logo is displayed, with the text 'Use https' underneath. On the right side, there are two input fields: 'User Name' and 'Password'. Below these fields is a blue button labeled 'Log On'.

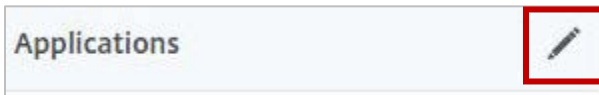
3. Click **Configuration** > **Unified Gateway**.




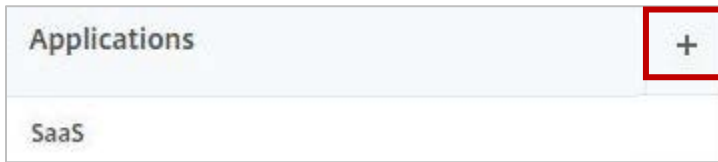
4. In the **Dashboard** area, click the configured NetScaler Gateway appliance.



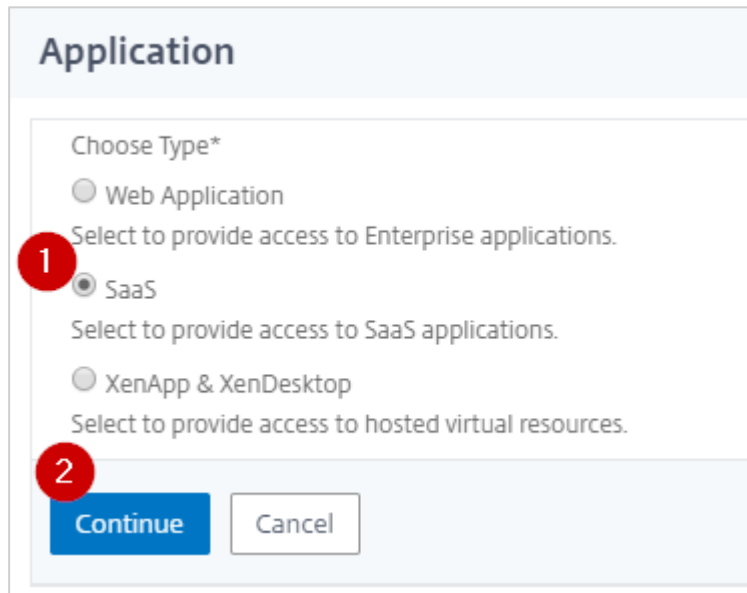
5. Click the edit icon for **Applications** section.



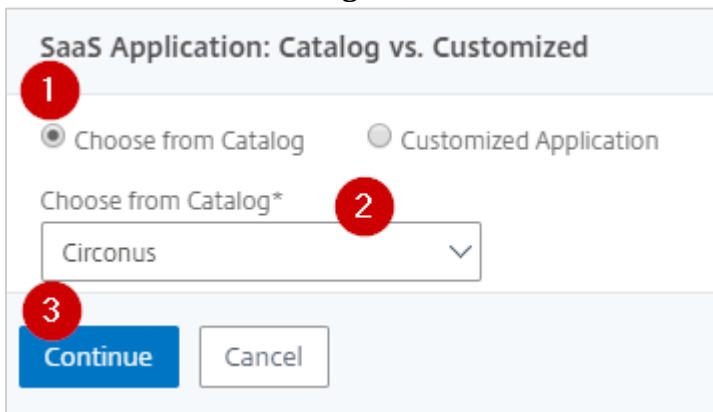
- For adding a SaaS application, click the plus icon  that appears in the edit mode.



- Click **SaaS > Continue**.



- Click **Choose from Catalog**.
- In the **Choose from Catalog** list, click **Circonus**.



- Click **Continue**.

- In the **Create Application from Template** section, type the name of your SaaS application, in this case Circonus, and relevant comments.

Create Application from Template

Name* **1**
Circonus ?

Comments **2**
Smarter Monitoring for Smarter Engineers

Note:

An Identity Provider (IdP) provides authentication module to verify users with their corporate network. A Service Provider (SP) supports receiving SSO SAML assertions.

The following table lists the SAML values that you need to copy while configuring SSO for SP and paste the values to appropriate fields while configuring SSO for IdP NetScaler.

Table 2: SSO field values used for SP and IdP configurations

Service Provider (SP) Circonus	Identity Provider (IdP) NetScaler
IDP Issuer	Issuer Name

- In the area below the logo, specify the following information:


CIRCONUS

Service Provider Login URL* **1**
https://login.circonus.com

Service Provider ID* **2**
[Empty field]

SP Certificate Name **3**
[Dropdown menu]

IDP Certificate Name* **4**
[Dropdown menu]

Issuer Name **5**
[Text field]

6
Continue Cancel

- i. **Service Provider Login URL** - type https://login.circonus.com.
- ii. **Service Provider ID** – enter the value specified for entityID in the metadata: https://login.circonus.com/saml_sp_metadata.
- iii. **SP Certificate Name** – click the appropriate certificate name. To obtain this value, refer to the metadata xml file that you downloaded while configuring Circonus for SAML. Copy and paste the URL that appears next to the value displayed between <ds:X509Certificate> and </ds:X509Certificate>. For more information about how to obtain SP certificate, refer [Prerequisites](#).
- iv. **IdP Certificate Name** - click the appropriate certificate name. The IdP certificate appears last in the hierarchy in the **Server Certificate** section on **Unified Gateway Configuration** page.
- v. **Issuer Name** –type the URL that you entered in the **IDP Issuer** field while configuring Circonus. For example: MyServer_NS_Circonus.
- vi. Click **Continue**.

13. Click **Done**.

The Circonus logo appears.

14. Click **Done**.

You have completed the NetScaler configuration for Circonus.

Testing the Configuration


Testing the IdP Initiated Flow

To test the IdP initiated configuration, follow the steps below:

1. Access the IdP URL.
2. Log on to NetScaler appliance using your enterprise credentials.
3. Click **Clientless Access**.
4. On the home page, click **Apps** tab.
5. Click **Circonus**.
Your Circonus profile appears.
You have completed testing the IdP initiated flow.

Testing the SP Initiated Flow

To test the SP initiated configuration, follow the steps below:

1. Type <https://login.circonus.com> in a browser and press Enter.
2. In the **Email address** box, type your email address.
3. Without entering a password, click the **Login with SAML 2.0** icon .
4. Log on to NetScaler appliance using your enterprise credentials.

Your Circonus profile appears which indicates that you have successfully logged on to Circonus.



Locations

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