



NetScaler with Unified Gateway

Configuring Tableau

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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.

Tableau can be integrated with Identity Provider (IdP) for user authentication. This enable the user to sign into Tableau using the same single sign on (SSO).

Terminology

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 various terms that are used alternatively for completing configurations for service providers and identity providers.

Table 2: Terminology used for SP and IdP configurations

Service Provider (SP)	Identity Provider (IdP)
Identity Provider Issuer	Issuer Name
SP Entity ID	Service Provider ID
SP Assertion Consumer Service URL	Assertion Consumer Service URL

Configuring Tableau for Single Sign-On

Tableau has SP/IdP initiated flow, which is supported in Netscaler (12.1).

Before you start, you need the following:

- Admin account for Tableau.
- Admin account for NetScaler.

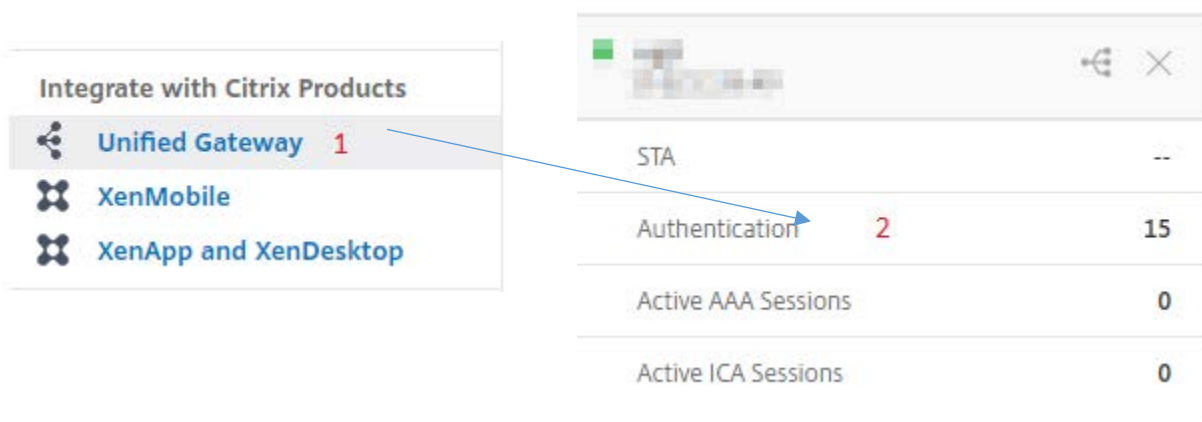
Tableau Configuration

The Tableau configuration steps are as follows:

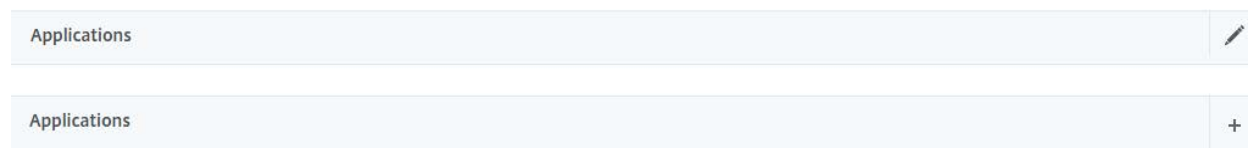
1. Configure Tableau with the App Catalog.
2. Export Tableau IdP metadata from Netscaler.
3. Import IdP metadata into Tableau.



Step 1: Configure Tableau with App catalog

1. Click on Unified Gateway > Authentication



The Unified Gateway Configuration screen appears.



2. Go to **Application** section. Click on  icon. Now you can see  icon. Click on it. The **Application** window appears.

Application

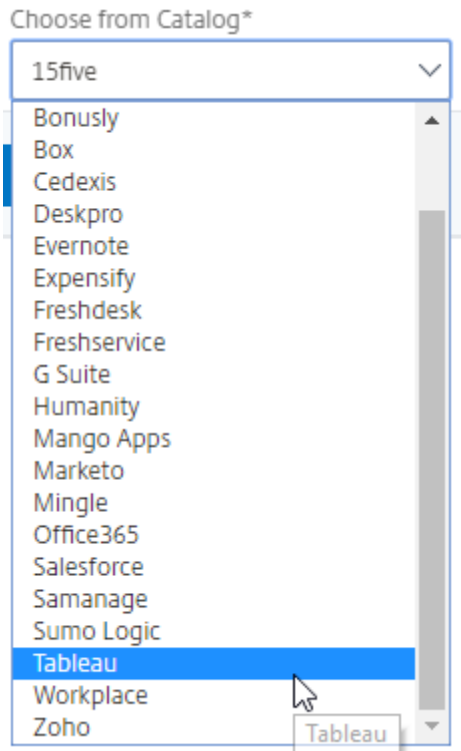
Choose Type*

Web Application
Select to provide access to Enterprise applications.

SaaS
Select to provide access to SaaS applications.

XenApp & XenDesktop
Select to provide access to hosted virtual resources.


3. Select **SaaS** from the Application type.
4. Select Tableau from the dropdown list.



5. Fill the Application template with appropriate values.

Name*
 ?

Comments

Icon (Imported from chosen application template)


Service Provider Login URL*

Service Provider ID* 1
 ?

Assertion Consumer Service Url* 2

SP Certificate Name 3
 ?

IDP Certificate Name* 4
 ?

Issuer Name 5
 ?

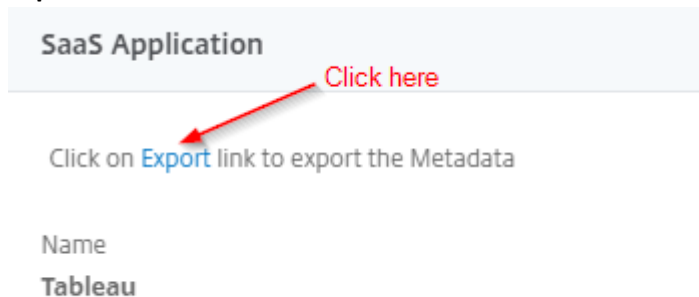
6. You must update the fields in Netscaler with the following values:

Field Name	Values
Service Provider ID	https://sso.online.tableau.com/public/sp/metadata?alias=<customer_id>
ACS URL	<a href="https://sso.online.tableau.com/public/sp/SSO?alias=<customer_id>">https://sso.online.tableau.com/public/sp/SSO?alias=<customer_id>
SP Certificate name	Select SP Certificate from dropdown
IdP Certificate Name	IdP certificate needs to be selected
Issuer Name	Issuer name can be filled as per your choice

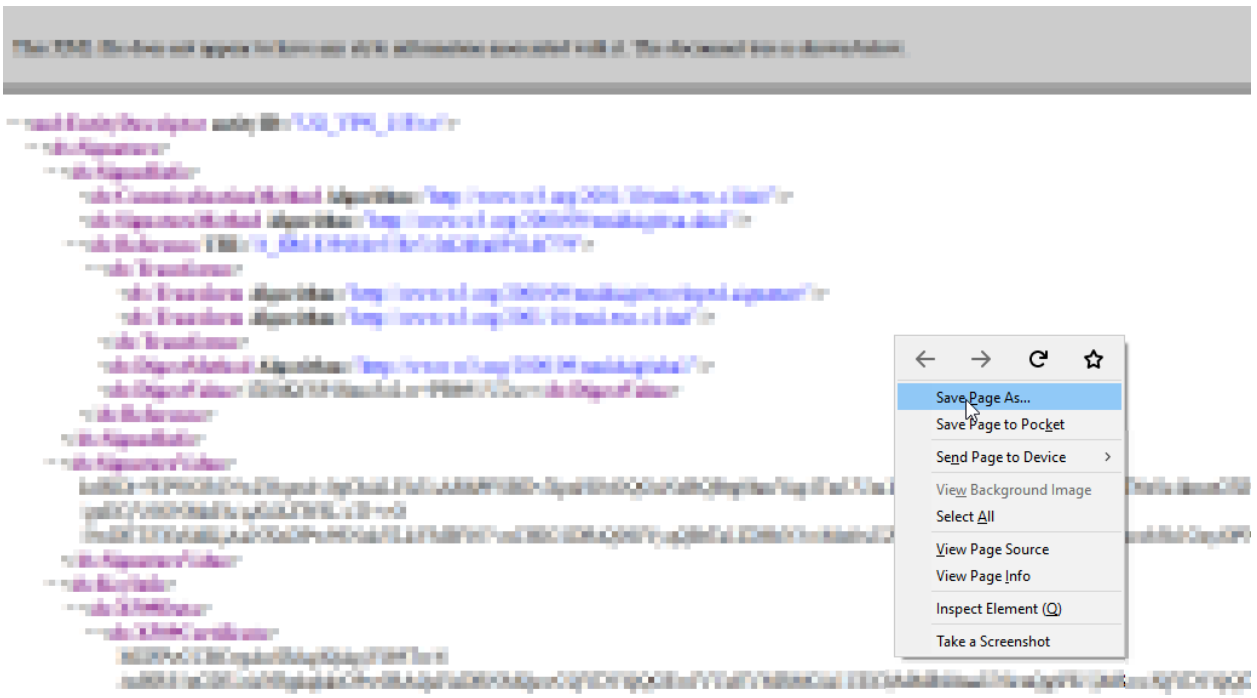
7. In place of <customer_id>, enter your company Id (Follow **Step 3** to get customer id).
8. After providing the required values, click **continue**. Click **done**.

Step 2: Export Tableau IdP metadata from Netscaler

1. Click on **Unified Gateway > Authentication**.
2. Scroll down and click on **Tableau** template. The **SaaS Application** window appears. Click on **Export** link.



3. **Metadata** will open in a different window. Save the **IdP Metadata** file.



Step 3: Import IdP Metadata into Tableau

1. Login to **Tableau** as an Admin user.



Sign in to Tableau Online

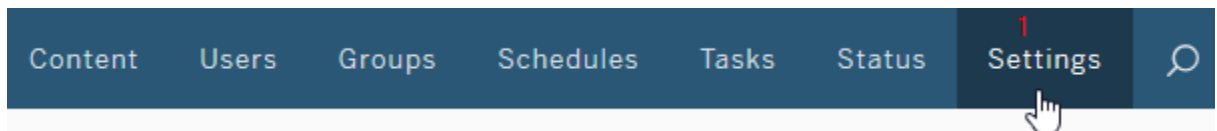
Username input field

Password input field (masked with dots)

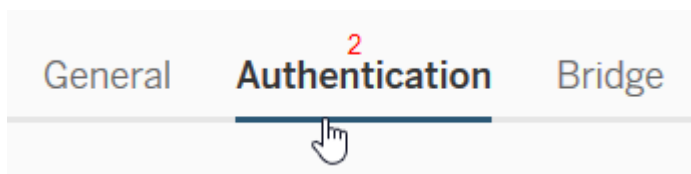
Remember me [Forgot password](#)

Sign In →

2. Click on **Settings** on top bar menu.



3. Click on **Authentication**.



4. In Authentication type section **enable the additional authentication method**, check on the **SAML** button.

Authentication types [Learn more](#)

Tableau

This is the default authentication type for Tableau Sites, and is always enabled.

3 Enable an additional authentication method

Google

This allows you to set OpenID as your users' authentication method

4 SAML

This allows you to set up your SAML provider to work with Tableau so your users (i.e. Okta, OneLogin, etc.)

5. Click on **Edit Connection**.

[Edit Connection...](#) 5

Follow the steps below to use SAML for single sign-on.

6. Copy **customer id** from **Export Metadata from Tableau online** section.

1 Export metadata from Tableau Online

Select an option for obtaining metadata required by the Identity Provider (IdP):

• Export an XML file that contains the metadata.

or

• Copy the Tableau Online entity ID and ACS URL individually, and download the X.509 certificate and save it as a CER file.

Tableau Online entity ID

Assertion Consumer Service URL (ACS)

Customer id

7. Import your IdP Metadata which is exported in steps 2, click on **Apply > Test Connection**.

4 Import metadata file into Tableau Online

IdP metadata file	<input type="text"/>	<input type="button" value="Browse..."/>	<input type="button" value="Apply 6"/>
IdP entity ID	<input type="text" value="UG_VPN_Tableau"/>		
SSO Service URL	<input type="text"/>		
IdP is configured to support SAML single logout (SLO)			
<input type="button" value="Test Connection 7"/>	<input type="button" value="Remove IdP"/>		

8. Match your IdP Attributes with Tableau Attributes then click on **Apply**.


5 Match attributes

Match the attribute names (assertions) in the IdP's SAML configuration to the corresponding attribute names on Tableau Online. Click Test Connection to fetch available attributes.

Tableau Online Attribute	Identity Provider (IdP) Assertion Name
Email Enter the name of the IdP assertion that contains the email address sent from the IdP to Tableau Online during the authentication process. The user is authenticated if the IdP email address is an exact match for the user's email address as stored in Tableau.	<input type="text" value="NameID"/>
Display Name Enter an assertion name for either the first name and last name, or for the full name, depending on how the IdP stores this information. Tableau Online uses these attributes to set the display name.	<input type="radio"/> First name <input type="text" value="FirstName"/> <input checked="" type="radio"/> Last name <input type="text" value="LastName"/> <input type="radio"/> Full name <input type="text" value="FullName"/>
<input type="button" value="8 Apply"/>	

9. Scroll down and check the **Default authentication type for embedded view** to **SAML**.

Default authentication type for embedded views

- Allow users to choose their authentication type
- Tableau
- .com (SAML)