



# **NetScaler with Unified Gateway**

## **Configuring Mango**

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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
<b>Bold</b>	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.
<b>Note</b>	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.

Mango can be integrated with Identity Provider (IdP) for user authentication. This enable the users to sign in to MangoApps 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**

<b>Service Provider (SP)</b>	<b>Identity Provider (IdP)</b>
Identity Provider Issuer	Issuer Name
SP Entity ID	Service Provider ID
SP Assertion Consumer Service URL	Assertion Consumer Service URL

# Configuring Mango for Single Sign-On

Mango has SP/IdP initiated flow, which is supported in NetScaler (12.1.).

Before you start, you need the following:

- Admin account for Mango
- Customer instance

For example, if your deployment url [https://<customer\\_domain>.mangoapps.com](https://<customer_domain>.mangoapps.com), your customer instance is <customer domain>.

This is required for App Catalog creation in NetScaler.

- Admin account for NetScaler

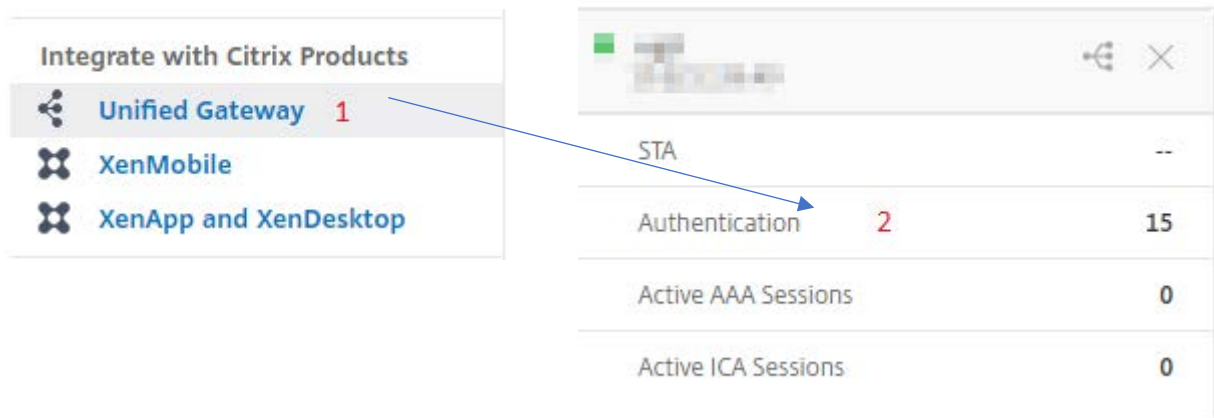
## Mango Configuration

The MangoApps configuration steps are as follows:

1. Configure MangoApps with the App Catalog.
2. Configure IdP into MangoApps.



### Step 1: Configure MangoApps with App Catalog

1. Click on **Unified Gateway > Authentication**.



The **Unified Gateway Configuration** screen appears.



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

The image shows a dialog box titled 'Application'. It contains a section 'Choose Type\*' with three radio button options: 'Web Application', 'SaaS', and 'XenApp & XenDesktop'. The 'SaaS' option is selected and highlighted in yellow. Below the options are 'Continue' and 'Cancel' buttons.

**Application**

Choose Type\*

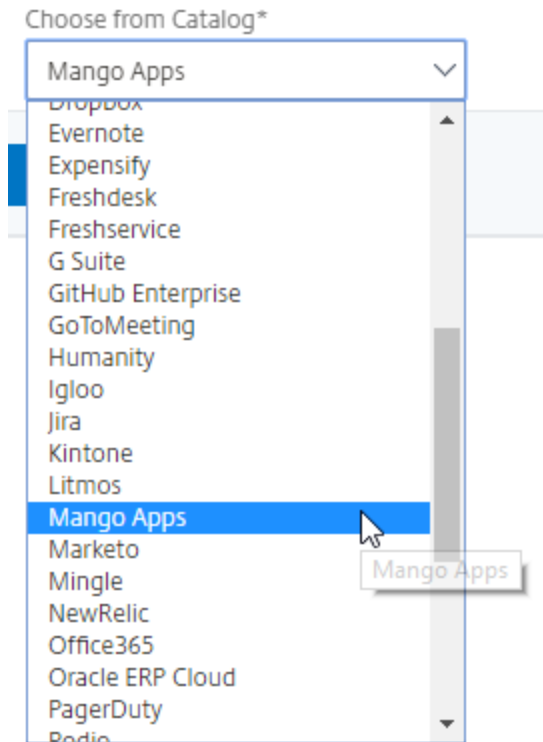
Web Application  
Select to provide access to Enterprise applications.

SaaS  
Select to provide access to SaaS applications.

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

**Continue** Cancel

3. Select **SaaS** from the Application type.
4. Select **MangoApps** from the drop-down list.




5. Fill the application template with the appropriate values.



Name  
Mango Apps

Comments  
Mango Apps

Icon URL\*  
Choose File ▾ /var/netscaler/logon/mangoapps\_log



Service Provider Login URL\* **1**  
https://<customer domain>.mangoapps.com/ce/

Service Provider ID\* **2**  
https://<customer domain>.mangoapps.com

Assertion Consumer Service Url\* **3**  
https://<customer domain>.mangoapps.com/sar

IDP Certificate Name\* **4**  
[dropdown menu] + [edit icon]

Issuer Name **5**  
UG\_VPN\_Mangoapp

**Continue** **Cancel**

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

Field Name	Values
URL	<a href="https://&lt;customer_domain&gt;.mangoapps.com/ce/pulse/user/overview/index">https://&lt;customer_domain&gt;.mangoapps.com/ce/pulse/user/overview/index</a>
Service Provider ID	<a href="https://&lt;customer_domain&gt;.mangoapps.com">https://&lt;customer_domain&gt;.mangoapps.com</a>
ACS URL	<a href="https://&lt;customer_domain&gt;.mangoapps.com/saml/consume">https://&lt;customer_domain&gt;.mangoapps.com/saml/consume</a>
Signing Certificate Name	IdP certificate needs to be selected
Issuer Name	Issuer name can be filled as per your choice

- In place of <customer domain>, enter your company name (See **Introduction** to know more about the <customer domain> value.)
- After providing the required values, click **Continue**. Click **Done**.

## Step 2: Configure IdP into MangoApps

Login to your  account

Username



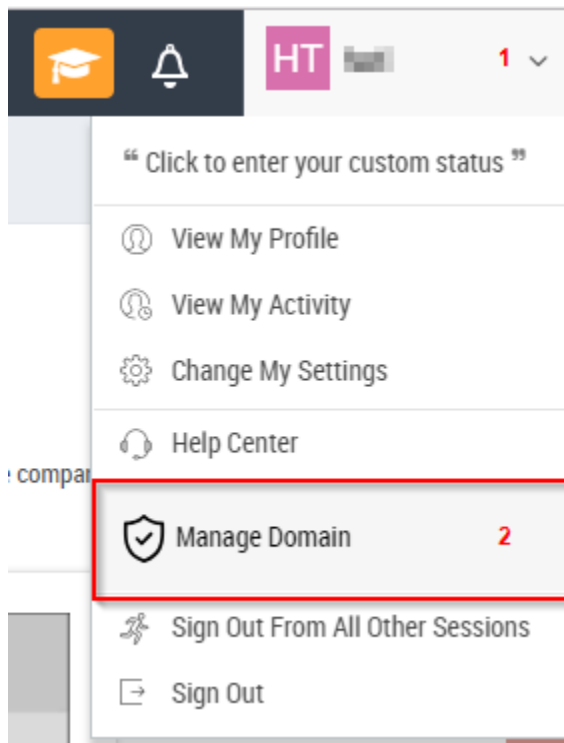
Password

.....

Login

[Forgot Password?](#)

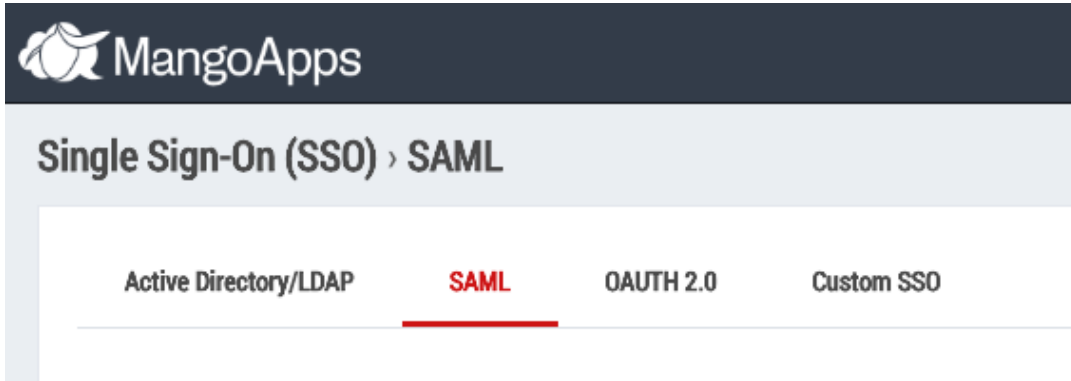
1. Login to MangoApps as an Admin user.



2. From the top right corner move cursor on your account name > List will appear, Click on **Manage Domain**.



3. **Admin** window will open > From the left panel select **SSO**.



4. **Single Sign-On** window will open > Click on **SAML**.

**General Setting:**

- 1  Allow SAML based federated login ⓘ
- 2  Auto User Provisioning ⓘ

**Servers:** [Add New Server](#)

**Server 1 (Other SAML Providers)**

Provider:  ⓘ 3

Provider Name \*:  ⓘ 4

Login Page Auto Re-direct:  ⓘ 5

Read from meta data url (Optional):  Read

If your IDP provides a meta data url, MangoApps can directly read the xml and auto populate the fields below.

Issuer URL/EntityID (HTTPS) \*:  6

This is the URL from where all SAML requests have to be issued in order to be trusted by MangoApps. Your Identity Provider should give you this URL. SAML requests from other URLs will be not be trusted and hence ignored.

Assertion Consumer Service URL (HTTPS)	<input type="text" value="https://&lt;customer_domain&gt;.mangoapps.com/saml/consume"/>	7
<small>Default Assertion Consumer Service (ACS) URL is https://ctxnsqa.mangoapps.com/saml/consume.</small>		
SAML 2.0 Endpoint/SSO URL (HTTPS) *	<input type="text" value="https://ug1.&lt;customer_domain&gt;.com/saml/login"/>	8
<small>This is the URL that MangoApps will invoke to re-direct users to your identity provider.</small>		
Remote Logout URL (HTTPS) *	<input type="text" value="https://ug1.&lt;customer_domain&gt;.com/cgi/logout"/>	9
<small>This is the URL that MangoApps will redirect your users to after they log out.</small>		
Authentication Method	<input type="text" value="urn:oasis:names:tc:SAML:2.0:ac:classes:PasswordProtectedTransport"/>	10
<small>SAML authentication context classes your idp supports, recommended values are "urn:oasis:names:tc:SAML:2.0:ac:classes:PasswordProtectedTransport" (Default) and "urn:federation:authentication:windows" for more information please visit https://msdn.microsoft.com/en-us/library/hh599318.aspx</small>		
User Identifier	<input type="text" value="Email"/>	11
<small>The field name that uniquely identifies the user in the configured SSO SAML provider.</small>		
x509 Certificate *	<pre>-----BEGIN CERTIFICATE----- MIIC... -----END CERTIFICATE-----</pre>	12
<small>The x509 certificate for authenticating your Identity Provider. Obtain this from your SAML identity provider.</small>		

5. Fill the template with appropriate values

Field Name	Values
Allow SAML based federated login	Should be <b>checked</b>
Auto User Provisioning	Should be <b>checked</b>
Provider	Other SAML Provider
Provider Name	As mentioned in IdP
Login Page Auto Re-direct	Should be <b>checked</b>
Issuer URL/EntityID(HTTPS)	<a href="https://&lt;customer_domain&gt;.mangoapps.com">https://&lt;customer_domain&gt;.mangoapps.com</a>
Assertion Consumer Service URL(HTTPS)	<a href="https://&lt;customer_domain&gt;.mangoapps.com/saml/consume">https://&lt;customer_domain&gt;.mangoapps.com/saml/consume</a>
SAML 2.0 Endpoint/SSO URL(HTTPS)	<a href="https://ug1.&lt;customer_domain&gt;.com/saml/login">https://ug1.&lt;customer_domain&gt;.com/saml/login</a>
Remote Logout URL(HTTPS)	<a href="https://ug1.&lt;customer_domain&gt;.com/cgi/logout">https://ug1.&lt;customer_domain&gt;.com/cgi/logout</a>
Authentication Method	urn:oasis:names:tc:SAML:2.0:ac:classes:PasswordProtectedTransport (Default)
User Identifier	Email
x509 Certificate	Paste IdP certificate

6. Click on **Save Settings**.