envi

Azure Active Directory Single Sign-On

Integration Guide

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Introduction

Azure Active Directory (**Azure AD**) is a Microsoft Azure service designed for efficient identity and access management. It helps to protect sensitive data and applications on-premises and in the cloud with integrated multi-factor authentication, ensuring secure local and remote access.

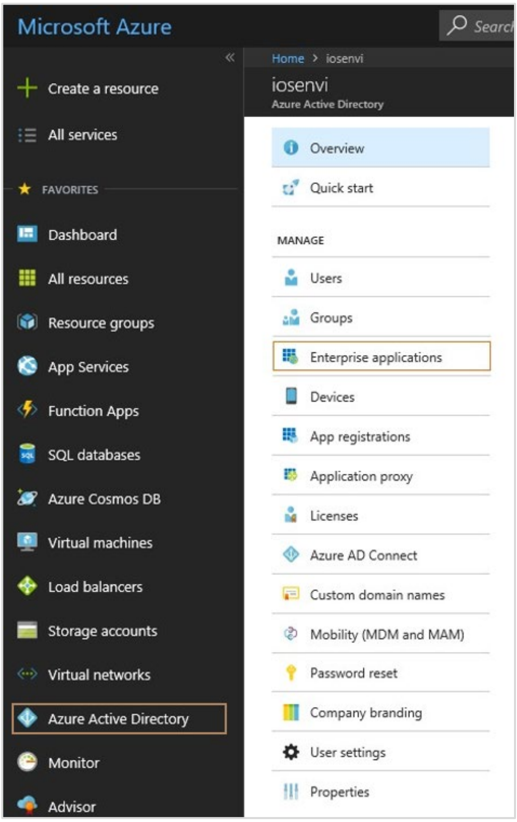
Azure AD also offers a suite of powerful tools, including comprehensive reporting, analytics, and self-service capabilities to reduce costs and enhance security. The provider allows your end-users to authenticate to the **Envi** application using their **Azure AD** account.

By integrating a **single sign-on** (**SSO**) with **Azure AD**, you can simplify your entire organization's password management process and avoid problematic user password management.

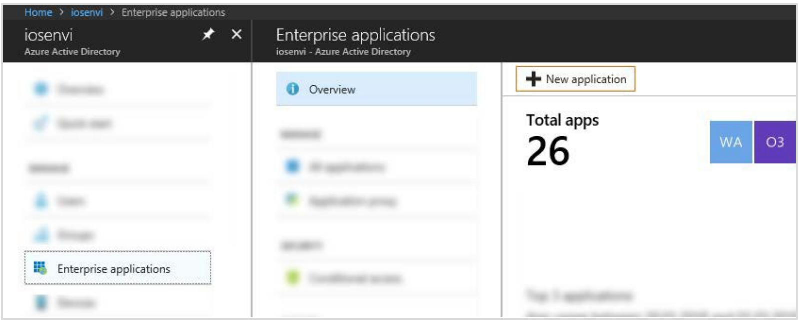
Integration

Perform the following steps to set up **SSO** with the **Azure AD** provider.

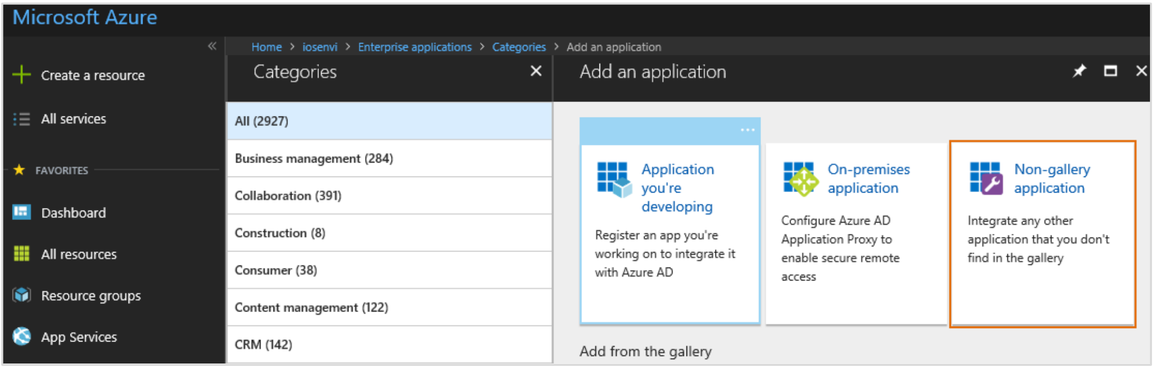
1. Sign in to the [Azure](#) portal.
2. Go to **Azure Active Directory** > **Enterprise applications**.



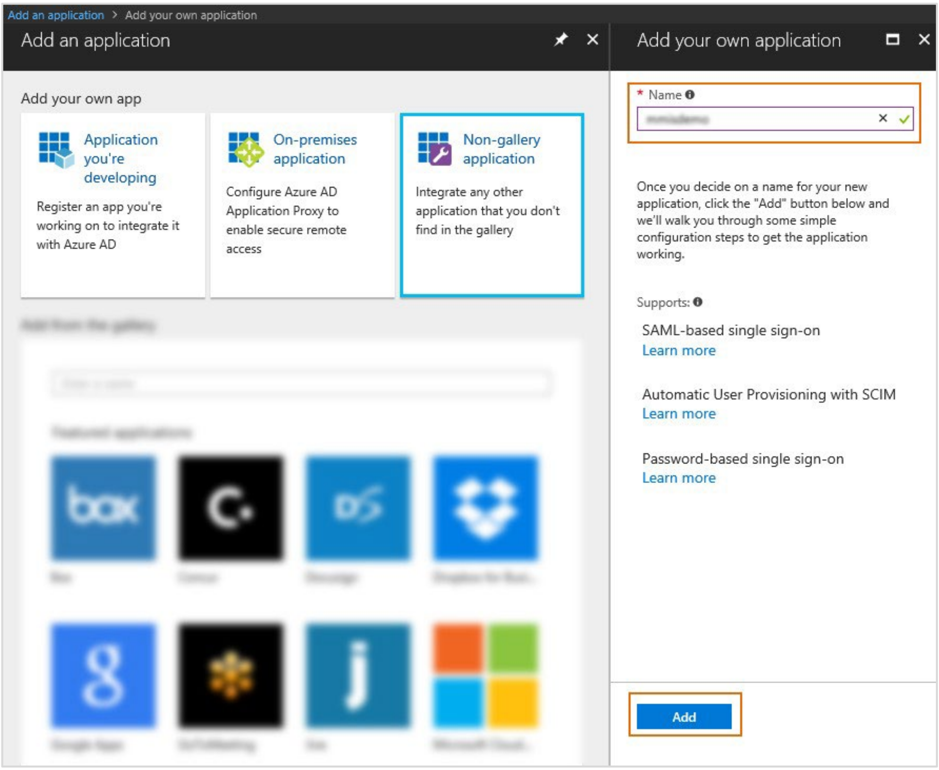
3. Select **+New application**.



4. On the **Add an application** page, select **Non-gallery application**.


Microsoft Azure
Home > iosenvi > Enterprise applications > Categories > Add an application
Create a resource
All services
FAVORITES
Dashboard
All resources
Resource groups
App Services
Categories
All (2927)
Business management (284)
Collaboration (391)
Construction (8)
Consumer (38)
Content management (122)
CRM (142)
Add an application
Application you're developing
Register an app you're working on to integrate it with Azure AD
On-premises application
Configure Azure AD Application Proxy to enable secure remote access
Non-gallery application
Integrate any other application that you don't find in the gallery
Add from the gallery

5. In **Add your own application**, enter a name for a new application (for example, envi.net), and then select the **Add** button. After you have added an application, you will be redirected to the application configuration page.



Add an application > Add your own application

Add an application

Add your own app

Application you're developing

Register an app you're working on to integrate it with Azure AD

On-premises application

Configure Azure AD Application Proxy to enable secure remote access

Non-gallery application

Integrate any other application that you don't find in the gallery

Add your own application

* Name

Once you decide on a name for your new application, click the "Add" button below and we'll walk you through some simple configuration steps to get the application working.

Supports:

SAML-based single sign-on
Learn more

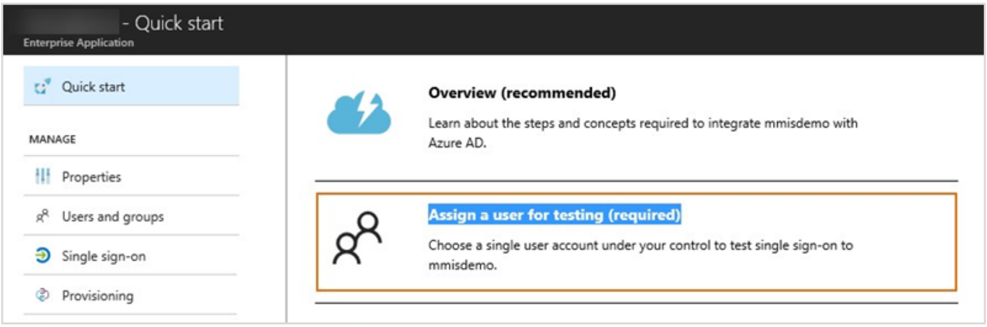
Automatic User Provisioning with SCIM
Learn more

Password-based single sign-on
Learn more

Add

6. On the **Quick start** page, select **Assign a user for testing (required)**.

Note: You should have at least one preconfigured AD user to proceed.



[redacted] - Quick start
Enterprise Application

Quick start

MANAGE

Properties

Users and groups

Single sign-on

Provisioning

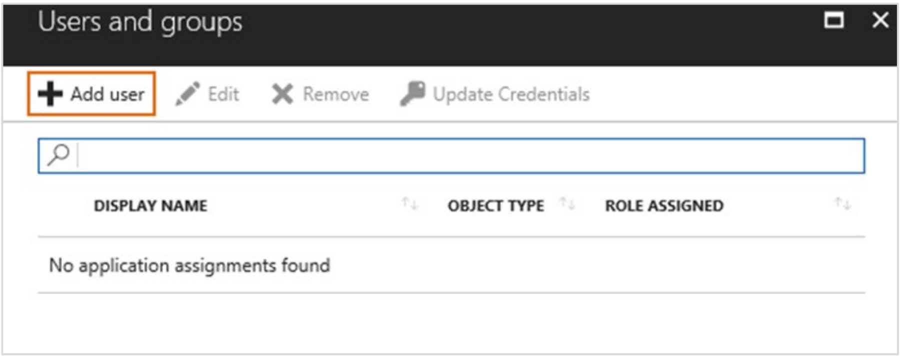
Overview (recommended)

Learn about the steps and concepts required to integrate mmisdemo with Azure AD.

Assign a user for testing (required)

Choose a single user account under your control to test single sign-on to mmisdemo.

7. In the **Users and groups** pop-up window, select the **+Add user** button.

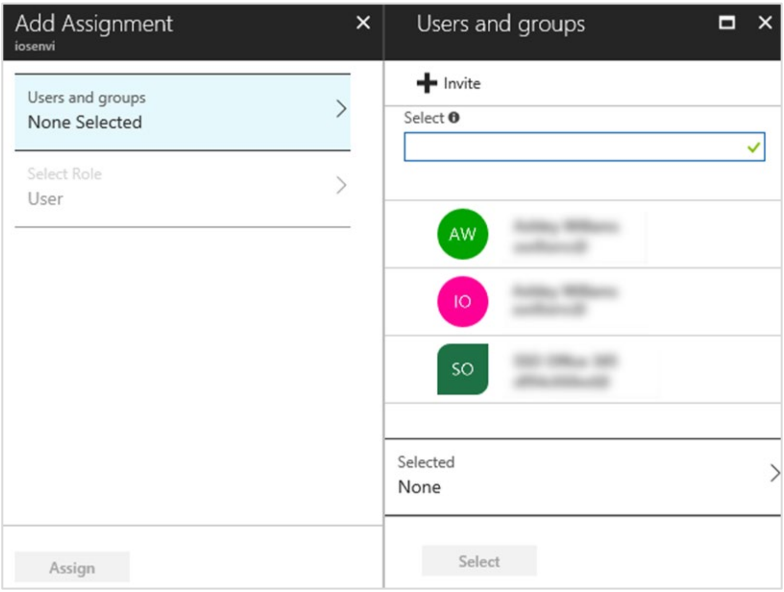


Users and groups

+ Add user | Edit | Remove | Update Credentials

DISPLAY NAME	OBJECT TYPE	ROLE ASSIGNED
No application assignments found		

8. On the **Add Assignment** page, perform the following steps:
   a. Select **Users and groups**.
   b. Use the search box to select all needed users.
   c. When all needed ones are added, select the **Select** button.
   d. Select the **Assign** button.
   e. Close **Users and groups**.



Add Assignment
iosenvi

Users and groups
None Selected

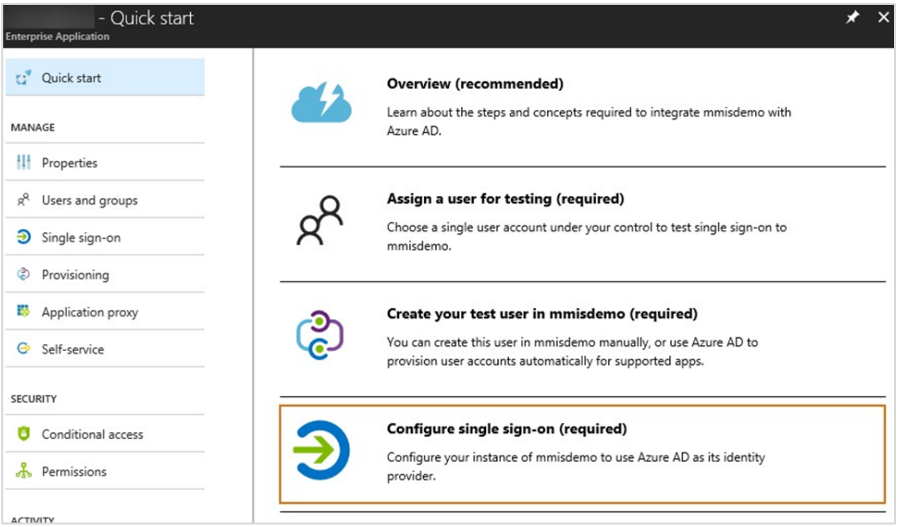
Select Role
User

Users and groups

Select

Selected
None

9. Then, you will be redirected to the **Quick start** page again. Here, select **Configure single sign-on (required)**.



[redacted] - Quick start
Enterprise Application

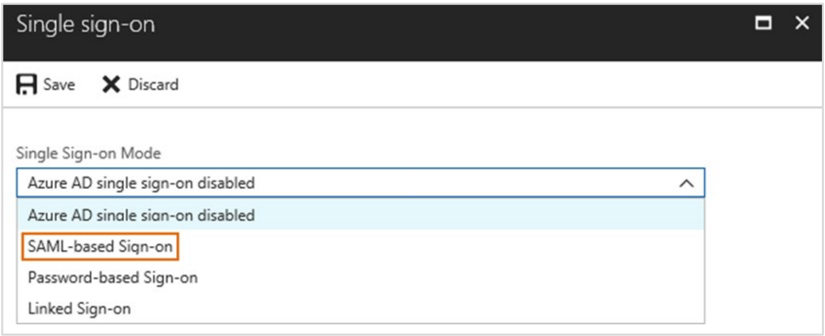
Overview (recommended)
Learn about the steps and concepts required to integrate mmisdemo with Azure AD.

Assign a user for testing (required)
Choose a single user account under your control to test single sign-on to mmisdemo.

Create your test user in mmisdemo (required)
You can create this user in mmisdemo manually, or use Azure AD to provision user accounts automatically for supported apps.

Configure single sign-on (required)
Configure your instance of mmisdemo to use Azure AD as its identity provider.

10. In the **Single sign-on Mode** dropdown list, select **SAML-based Sign-on**.



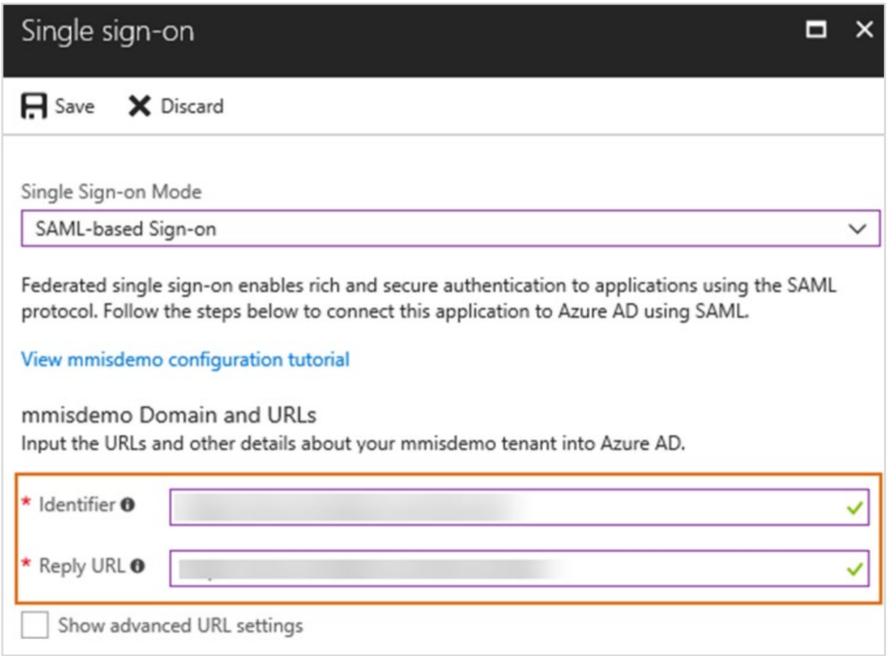
Single sign-on

Single Sign-on Mode
Azure AD single sign-on disabled

11. On the **Single sign-on** page, do the following steps:

    a. In the **Identifier** box, enter an application base URL + /Account.

    b. In the **Reply URL** box, enter an application base URL + /Account/Acs.



Single Sign-on Mode
SAML-based Sign-on

Federated single sign-on enables rich and secure authentication to applications using the SAML protocol. Follow the steps below to connect this application to Azure AD using SAML.

View mmisdemo configuration tutorial

mmisdemo Domain and URLs

Input the URLs and other details about your mmisdemo tenant into Azure AD.

* Identifier: [redacted] ✓

* Reply URL: [redacted] ✓

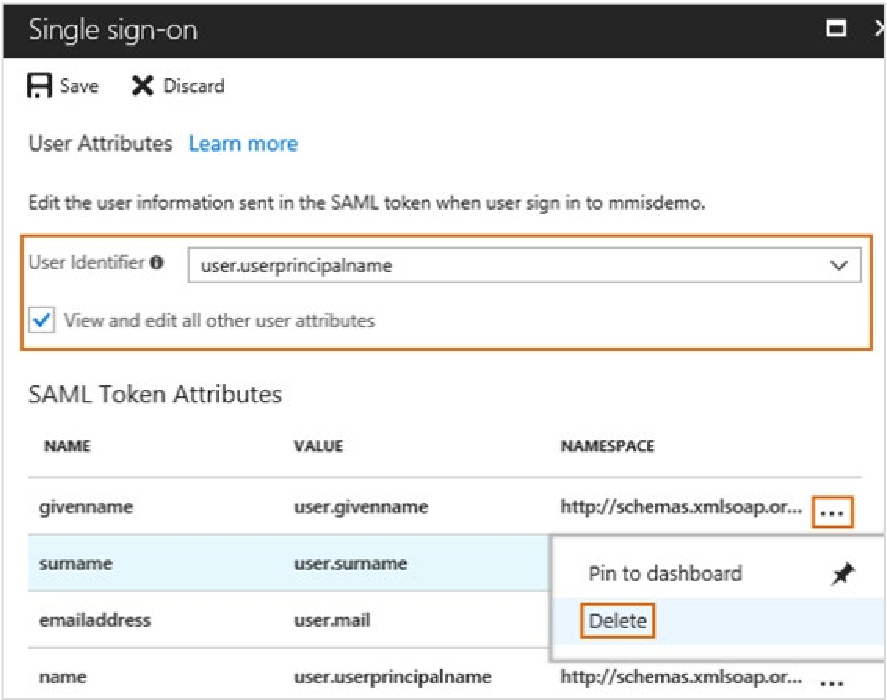
□ Show advanced URL settings

12. Move through the page to the **User Attributes** section and then perform the following steps:

    a. In the **User Identifier** dropdown list, make sure that the **user.userprincipalname** value is selected.

    b. Select the **View and Edit all other user attributes** checkbox.

    c. Delete all other attributes except for the **user.userprincipalname** (to do that, select the ellipsis (...) button next to a needed namespace > **Delete**.)



User Attributes

Edit the user information sent in the SAML token when user sign in to mmisdemo.

User Identifier: user.userprincipalname

☑ View and edit all other user attributes

SAML Token Attributes

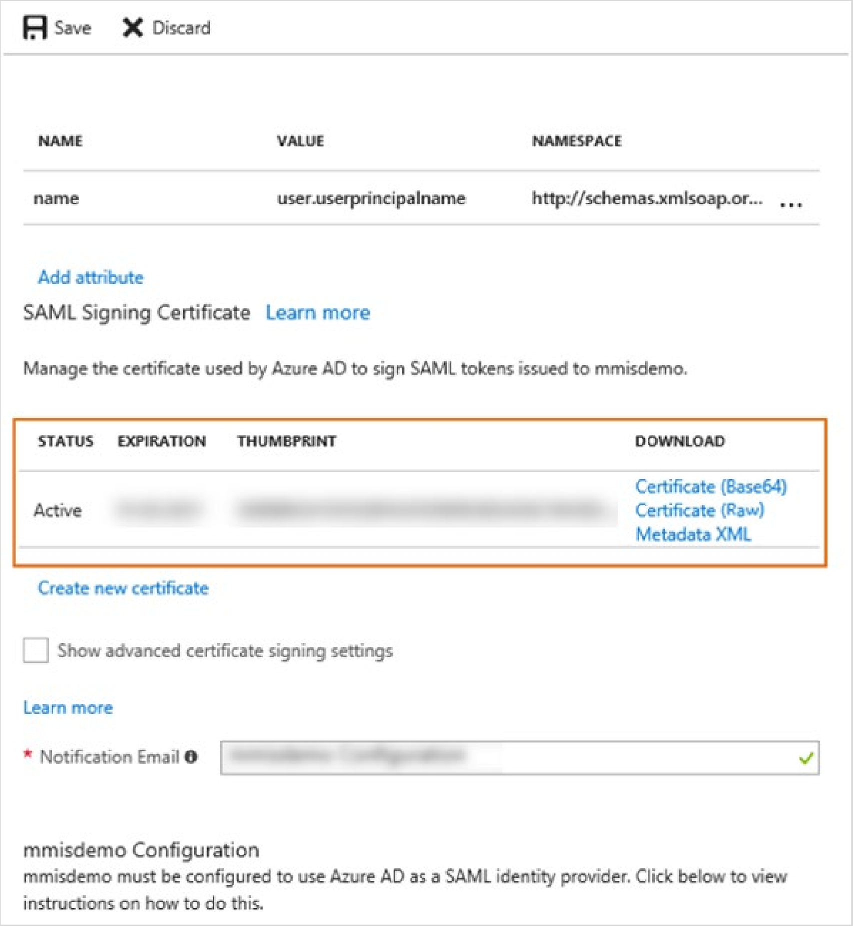
NAME	VALUE	NAMESPACE
givenname	user.givenname	http://schemas.xmlsoap.or... ...
surname	user.surname	
emailaddress	user.mail	
name	user.userprincipalname	http://schemas.xmlsoap.or... ...

13. In the **SAML Signing Certificate** section, manage the certificate used by **Azure AD** to sign **SAML** tokens issued for your application. You'll find a default certificate created automatically. If needed, you can create a new one and specify different certificate signing options. Here, you also need to perform the following steps:

    a. Download the **Metadata XML** file and save it for further usage in the **Envi** application.

    b. Enter **Notification Email**.

    c. Select **Save** at the top of the page.



NAME	VALUE	NAMESPACE
name	user.userprincipalname	http://schemas.xmlsoap.or...

SAML Signing Certificate Learn more

Manage the certificate used by Azure AD to sign SAML tokens issued to mmisdemo.

STATUS	EXPIRATION	THUMBPRINT	DOWNLOAD
Active	[redacted]	[redacted]	Certificate (Base64) Certificate (Raw) Metadata XML

□ Show advanced certificate signing settings

* Notification Email: [redacted] ✓

mmisdemo Configuration

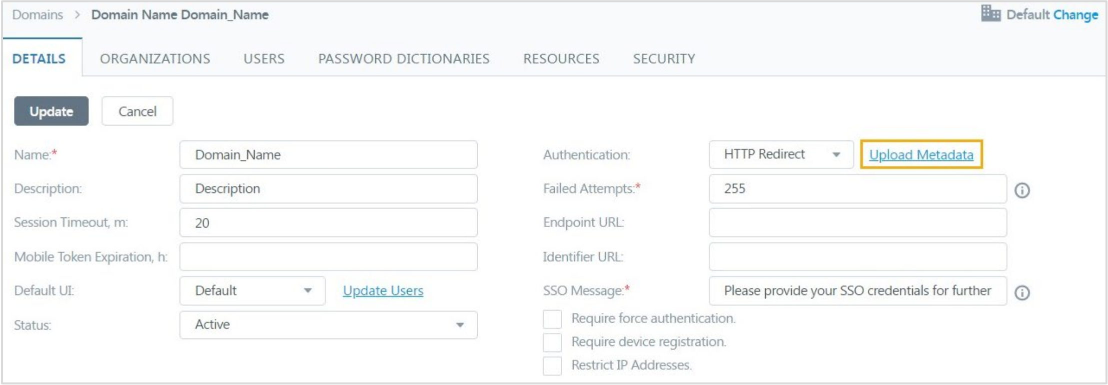
mmisdemo must be configured to use Azure AD as a SAML identity provider. Click below to view instructions on how to do this.

Now, the **SSO** configuration is ready.

Envi Configuration

In the **Envi** application, set up the following domain and user configurations:

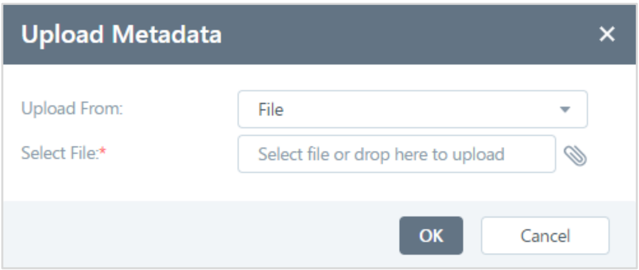
1. Sign in to the **Envi** application.
2. Go to **My Profile** > **Domain List**, then select a needed domain and select **Edit**.
3. In the **Authentication** dropdown list, make sure that **HTTP Redirect** is selected, and then select **Upload Metadata**.



Name:*	Domain_Name	Authentication:	HTTP Redirect
Description:	Description	Failed Attempts:*	255
Session Timeout, m:	20	Endpoint URL:	
Mobile Token Expiration, h:		Identifier URL:	
Default UI:	Default	SSO Message:*	Please provide your SSO credentials for further
Status:	Active		

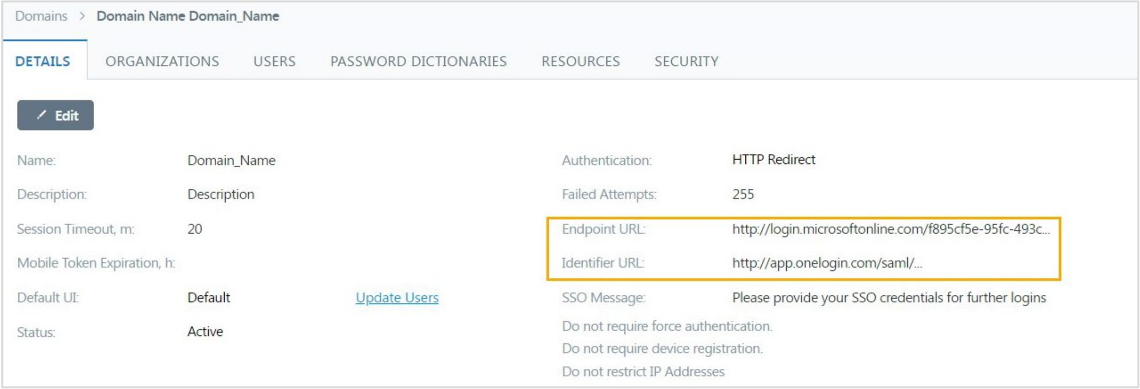
□ Require force authentication.
□ Require device registration.
□ Restrict IP Addresses.

4. In the **Upload Metadata** pop-up window, perform the following steps:
   a. In the **Upload From** dropdown list, select **File**.
   b. In the **Select File** box, enter the path to the saved metadata file location (For more information, go to the Integration section, step 13).
   c. Select **OK**.



Upload From: File
Select File:* Select file or drop here to upload

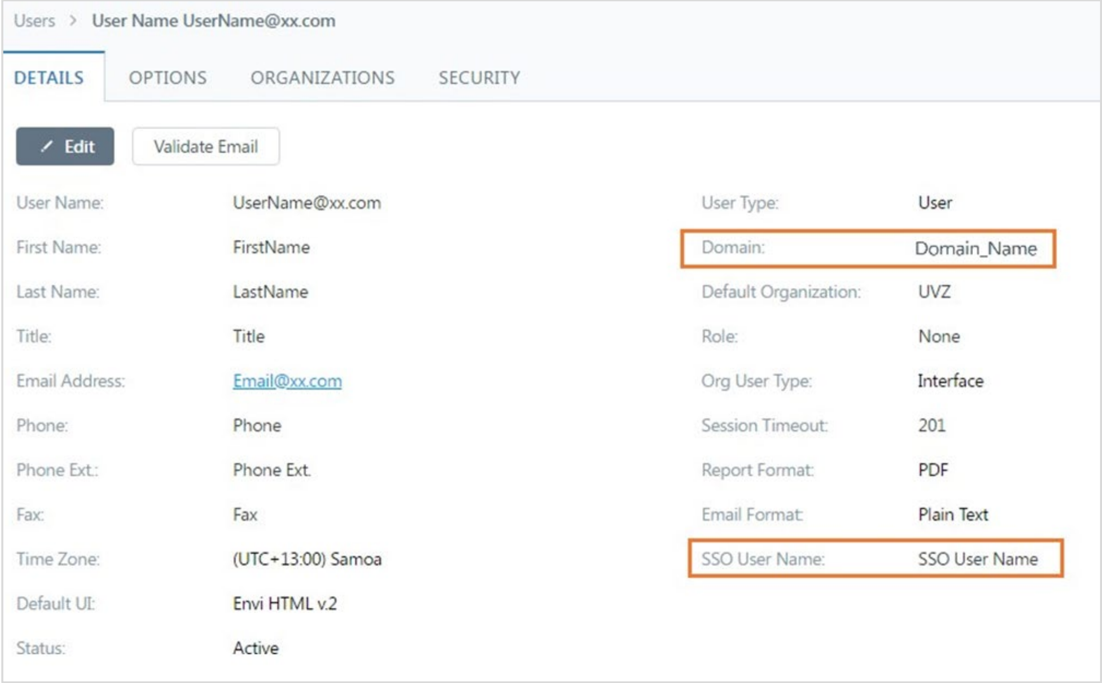
Note: Make sure that the **Endpoint URL** and **Identifier URL** are updated with new values and that the **Certificates** section contains new certificates.



Name:	Domain_Name	Authentication:	HTTP Redirect
Description:	Description	Failed Attempts:	255
Session Timeout, m:	20	Endpoint URL:	http://login.microsoftonline.com/f895cf5e-95fc-493c...
Mobile Token Expiration, h:		Identifier URL:	http://app.onelogin.com/saml/...
Default UI:	Default	SSO Message:	Please provide your SSO credentials for further logins
Status:	Active		

Do not require force authentication.
Do not require device registration.
Do not restrict IP Addresses.

5. To create a new user, perform the following steps:
   a. In the **Authentication** dropdown list, select **HTTP Redirect**.
   b. In the **SSO User Name** box, enter the username from the **Azure AD** application.



User Name:	UserName@xx.com	User Type:	User
First Name:	FirstName	Domain:	Domain_Name
Last Name:	LastName	Default Organization:	UVZ
Title:	Title	Role:	None
Email Address:	Email@xx.com	Org User Type:	Interface
Phone:	Phone	Session Timeout:	201
Phone Ext.:	Phone Ext.	Report Format:	PDF
Fax:	Fax	Email Format:	Plain Text
Time Zone:	(UTC+13:00) Samoa	SSO User Name:	SSO User Name
Default UI:	Envi HTML v.2		
Status:	Active		

Now, you can sign in to the **Envi** application using **Azure AD SSO**.

Troubleshooting

In the **Troubleshooting** section, you will discover troubleshooting solutions for common **SSO** issues. If you encounter a problem during the sign-in, make sure you have followed all steps outlined in the tutorial for the configuration. Also, there can be the following errors.

Password page is shown after entering a username

After entering your username, you may be redirected to the page prompting you to enter a password. In this case, please double-check that you've entered the correct **SSO** username and that you are within the domain configured for remote authentication.
If the issue persists, please contact your administrator for troubleshooting assistance.

Incorrect page after entering a username

If you are redirected to an incorrect page after entering your username, please make sure that the correct endpoint URL and identifier URL are loaded.

Note: You can upload metadata with correct values by downloading it from the **Set-up Single Sign-On with SAML** page. For this, go to the **SAML Signing Certificate** section, and then select **Download** to receive the **Federation Metadata XML**.

Not assigned role in the application

After entering the username, you are redirected to the correct **SSO** endpoint URL. Then, the following message is shown: *The signed-in user 'username' is not assigned to a role for the application*. In this case, please make sure that you are added to **Users and Groups** in the **Envi** application of **Azure RD**. If needed, contact your administrator for assistance.

Error after signing in to the SSO application

After entering the username, you are redirected the correct endpoint URL and signed in to the **Envi** application, and then you may encounter an error. To resolve this, go to **Envi User Details** and ensure that your usernames in **Envi** and **SSO** match.