

Foglight® 7.1.0

Integration with SAML 2.0 in Azure AD



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Legend



WARNING: A WARNING icon indicates a potential for property damage, personal injury, or death



CAUTION: A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.



IMPORTANT, NOTE, TIP, MOBILE, or VIDEO: An information icon indicates supporting information.

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Configure Foglight with Azure AD

i **NOTE:** To use SAML SSO with Azure Active Directory (AAD), a Premium edition of AAD is required. Go to: <https://azure.microsoft.com/en-us/pricing/details/active-directory/> for more details. AAD requires HTTPs protocol, therefore Foglight's HTTP SAML login cannot be used on AAD. Foglight HTTPs SAML login supports either the IP address or the host name. For detailed configurations about IP or host name login, see [Before you begin](#) and [Step 2: Configuring SAML SSO on AAD](#).

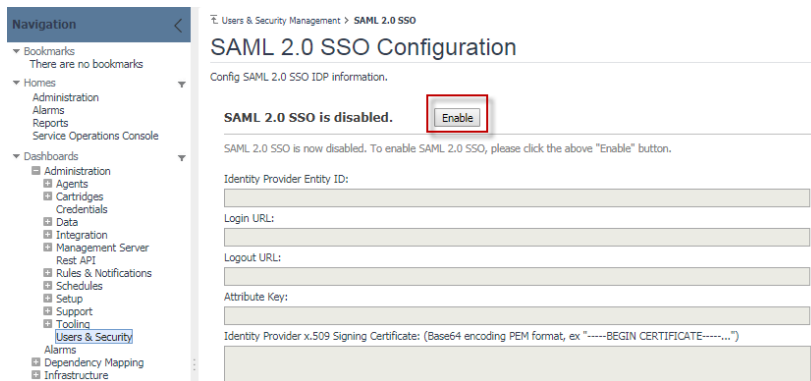
Before you begin

- i** **NOTE:**
- If you are about to use SAML IP login, make sure to run the following command:
"-Dquest.saml.hostname=<foglight-server-ip>" to start up your Foglight Management Server.
 - When logging into your Foglight Management Server, make sure to keep using the same approach as what you configured during the SAML integrations. For example, if you set up the HTTPS SAML login using the IP address, you must log in to your Management Server with `https://<foglight-server-ip>:<foglight-server-port>`.

You need to enable SAML 2.0 SSO Configuration in your Foglight Management Server prior to setting up the SAML integration. Follow the steps below to enable SAML 2.0 SSO Configuration:

- 1 Log into the Foglight Management Server as Administrator.
- 2 Under **Dashboards**, click **Administration > Users & Security**, and then click **SAML 2.0 Integration Settings**. The *SAML 2.0 SSO Configuration* dashboard appears.

3 Click **Enable**.



4 Download the metadata file, which will be imported to Azure AD in [Step 2: Configuring SAML SSO on AAD](#).

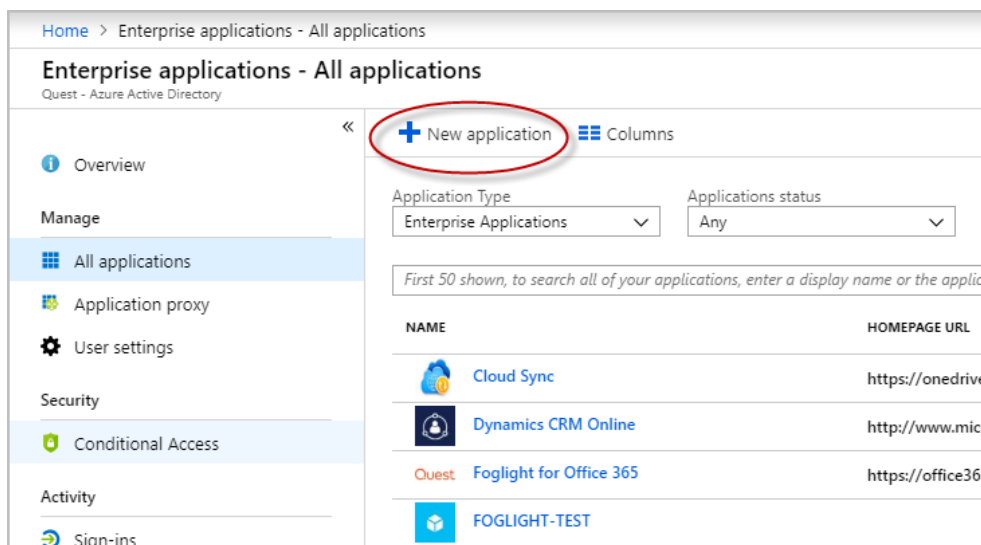
Get the metafile from the Foglight server URL:

- IP login: https://<foglight_server-ip>:<port>/console/saml2/metadata.xml
- Host name login: https://<foglight_server-host-name>:<port>/console/saml2/metadata.xml

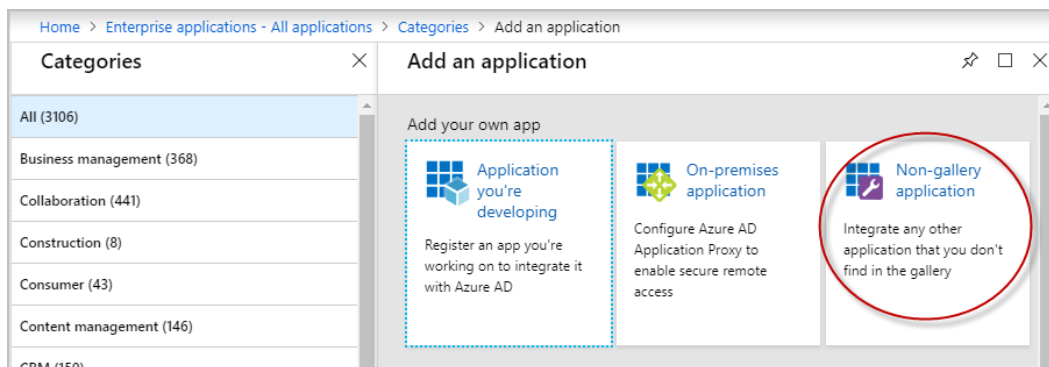
Step 1: Adding Enterprise Application in AAD

To add an Enterprise Application in AAD:

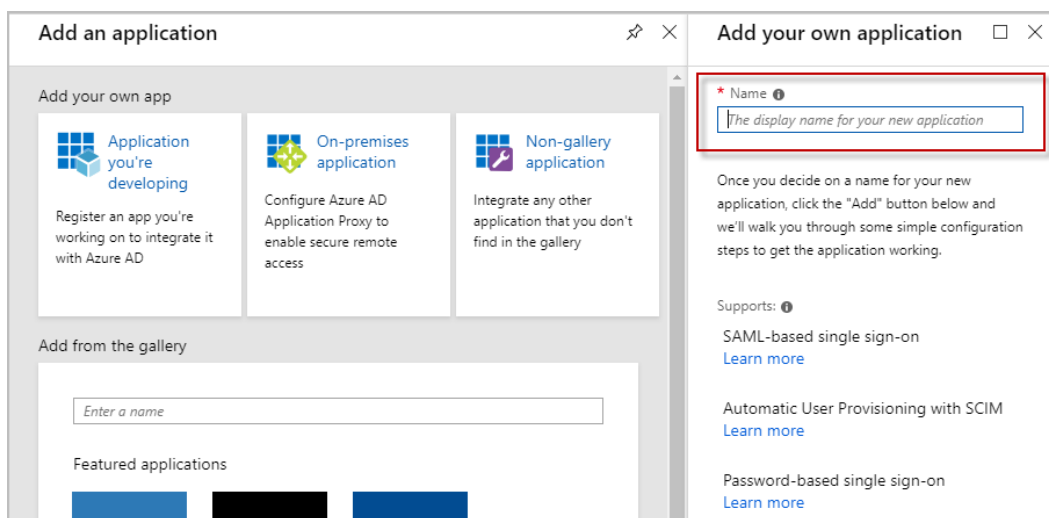
- 1 Go to:
https://portal.azure.com/#blade/Microsoft_AAD_IAM/StartboardApplicationsMenuBlade/AllApps/menuld/
- 2 Click **New Application** as shown in the figure below.



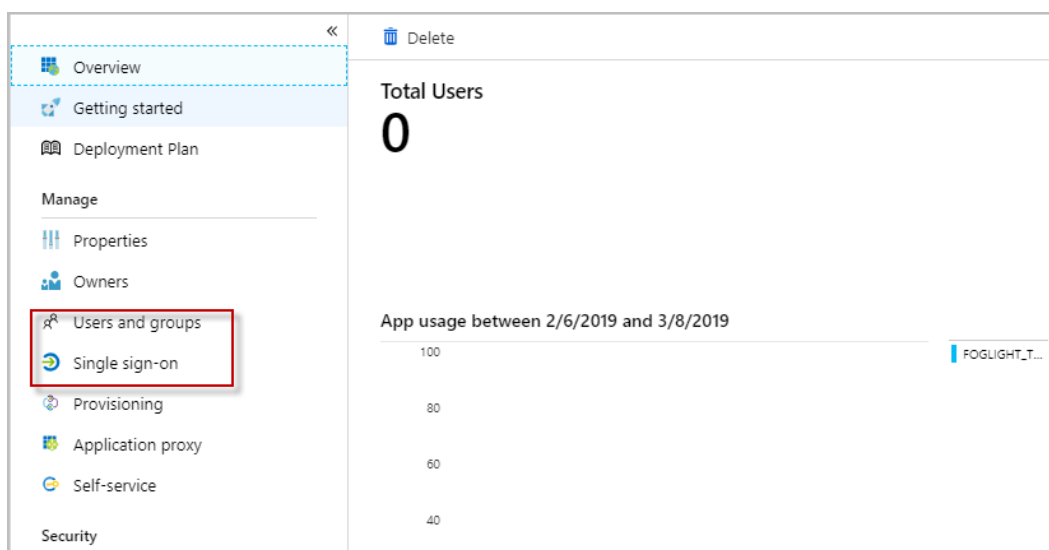
- 3 Then, click **Non-gallery application** as shown in the figure below.

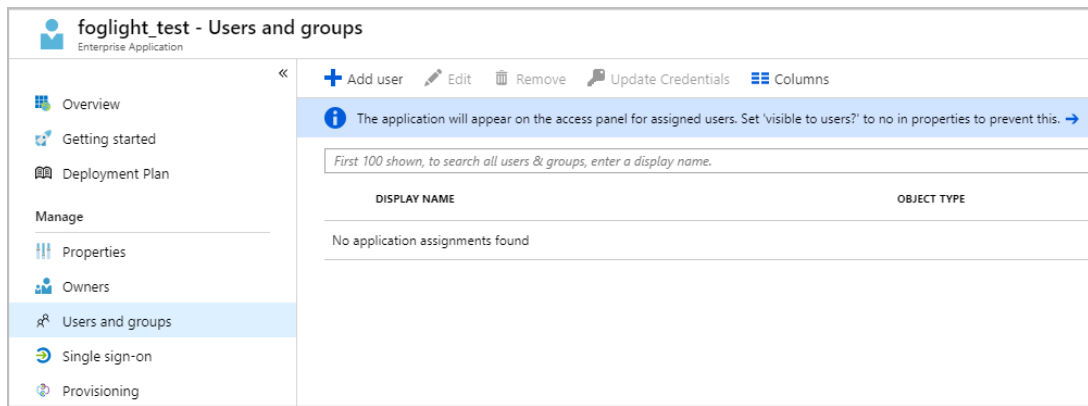


- 4 Input the Name of your application and click **Add**.



- 5 Click **Users and groups** to add a user or a group who needs an access to the application. The assigned user will be able to see the application on the access panel.

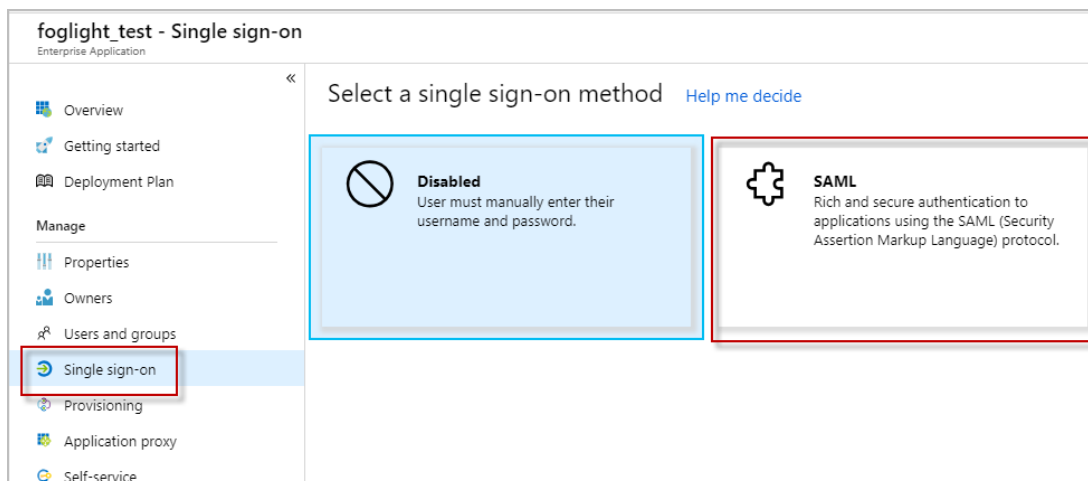




Step 2: Configuring SAML SSO on AAD

To configure SAML SSO on AAD:

- 1 Click **Single sign-on** > **SAML**. A *SAML-based sign-on* page will open.



foglight_test - SAML-based sign-on

Enterprise Application

Overview

Getting started

Deployment Plan

Manage

Properties

Owners

Users and groups

Single sign-on

Provisioning

Application proxy

Self-service

Security

Conditional Access

Permissions

Token encryption (Preview)

Activity

Sign-ins

Audit logs

Troubleshooting + Support

Virtual assistant (Preview)

Troubleshoot

New support request

Change single sign-on mode

Switch to the old experience

Welcome to the new experience for configuring SAML based SSO. Please click here to provide feedback. →

Set up Single Sign-On with SAML - Preview

Read the [configuration guide](#) for help integrating foglight_test.

1

Basic SAML Configuration

Identifier (Entity ID)

Reply URL (Assertion Consumer Service URL)

Sign on URL

Relay State

Logout URL

Required

Required

Optional

Optional

Optional

2

User Attributes & Claims

Givenname

Surname

Emailaddress

Name

Unique User Identifier

user.givenname

user.surname

user.mail

user.userprincipalname

user.userprincipalname

3

SAML Signing Certificate

Status

Thumbprint

Expiration

Notification Email

App Federation Metadata Url

Certificate (Base64)

Certificate (Raw)

Federation Metadata XML

Active

4578EEED29167DC0224844FA49859092ECB82B17

3/8/2022, 11:22:29 AM

ixue@questfve.onmicrosoft.com

<https://login.microsoftonline.com/94172181-7df0-4...>

[Download](#)

[Download](#)

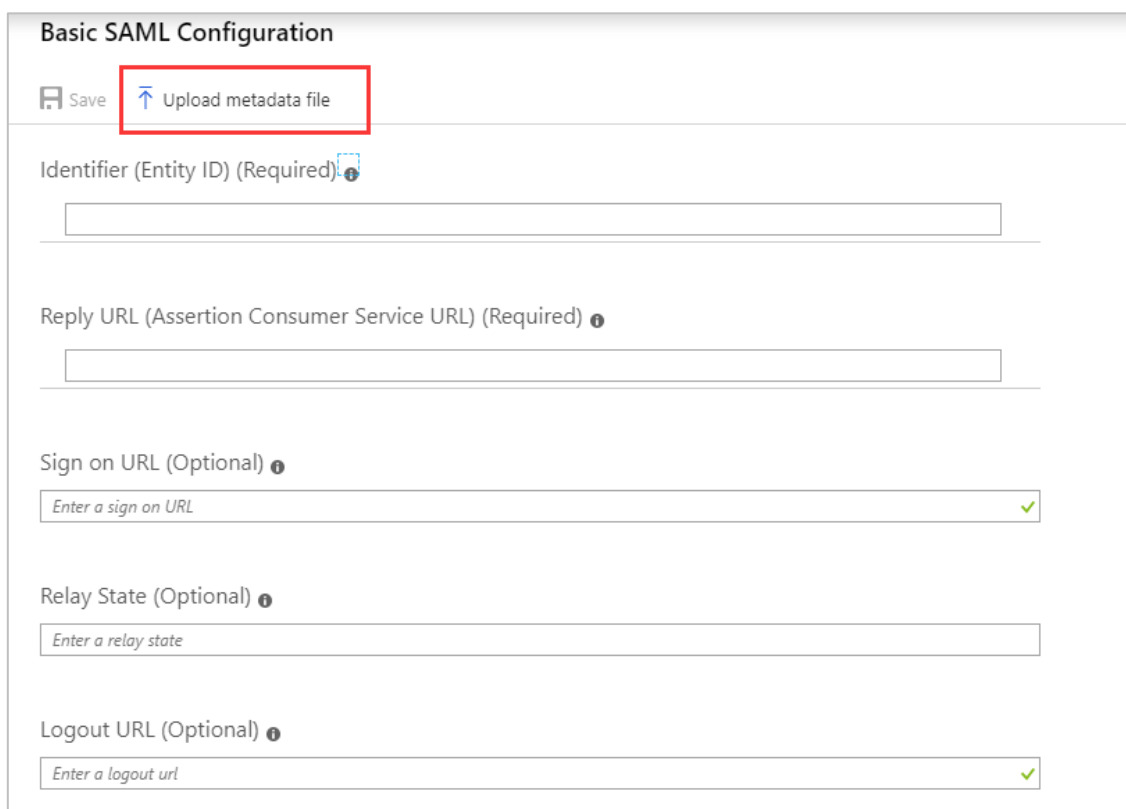
[Download](#)

- 2 Click the edit icon on the upper right of **Basic SAML Configuration** section as shown in the figure above. Then, upload the Foglight SSO metadata file.

Identifier and *Reply URL* should be automatically filled.

Make sure the contents are as expected.

- IP login: <https://<foglight-server-ip>:<foglight-ssl-port>/console/saml2/metadata.xml>.
- Host name login: <https://<foglight-server-host-name>:<foglight-ssl-port>/console/saml2/metadata.xml>.



Basic SAML Configuration

Save Upload metadata file

Identifier (Entity ID) (Required) ⓘ

Reply URL (Assertion Consumer Service URL) (Required) ⓘ

Sign on URL (Optional) ⓘ

Relay State (Optional) ⓘ

Logout URL (Optional) ⓘ

- 3 Click **Save**.

Step 3: Selecting Attribute Key

To select an attribute key:

- 1 In the *SAML-based sign-on* blade, click the edit icon on the upper right of *User Attributes & Claims* section.

The screenshot shows the 'SAML-based sign-on' configuration interface. It has three main sections, each with an edit icon (pencil) in the top right corner:

- 1 Basic SAML Configuration:** Contains fields for Identifier (Entity ID), Reply URL (Assertion Consumer Service URL), Sign on URL, Relay State, and Logout Url. The first two are marked as 'Required', while the others are 'Optional'.
- 2 User Attributes & Claims:** This section is highlighted with a red box around its edit icon. It lists attributes and their corresponding values:

Attribute	Value
Givenname	user.givenname
Surname	user.surname
Emailaddress	user.mail
Name	user.userprincipalname
Unique User Identifier	user.userprincipalname
- 3 SAML Signing Certificate:** Shows the status as 'Active', a thumbprint, an expiration date of 3/8/2022, 11:22:29 AM, a notification email field, and an App Federation Metadata Url.

- 2 Record the **CLAIM NAME** you want to use, which will be needed later in [Step 5](#).

The 'User Attributes & Claims' dialog box is open. It has a title bar with a close button. Below the title bar is a section for adding new claims. The main area contains a table of existing claims:

CLAIM NAME	VALUE
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/emailaddress	user.mail
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/givenname	user.givenname
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/name	user.userprincipalname
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/nameidentifier	user.userprincipalname
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/surname	user.surname

Step 4: Exporting the Certificate

To export the certificate:

- 1 In the *SAML-based sign-on* blade, click the Download link of Certificate (Base64) in *SAML Signing Certificate* section.

Change single sign-on mode Switch to the old experience

Welcome to the new experience for configuring SAML based SSO. Please click here to provide feedback. →

Set up Single Sign-On with SAML - Preview

Read the [configuration guide](#) for help integrating tete.

- 1 Basic SAML Configuration**

Identifier (Entity ID)	Required
Reply URL (Assertion Consumer Service URL)	Required
Sign on URL	Optional
Relay State	Optional
Logout Url	Optional
- 2 User Attributes & Claims**

Givenname	user.givenname
Surname	user.surname
Emailaddress	user.mail
Name	user.userprincipalname
Unique User Identifier	user.userprincipalname
- 3 SAML Signing Certificate**

Status	Active
Thumbprint	BD79AB1F2EA91FFFE13C1041522C0FD3AD1574EB
Expiration	2022/3/7 下午4:38:12
Notification Email	mark.bai@questfive.onmicrosoft.com
App Federation Metadata Url	https://login.microsoftonline.com/94172181-7df0-4...
Certificate (Base64)	Download
Certificate (Raw)	Download
Federation Metadata XML	Download

- 2 Open the downloaded certificate file as a text file, which will be needed in [Step 5](#).

Step 5: Setting up SAML in Foglight

To set up SAML in Foglight Management Server:

- 1 Log in to the Foglight Management Server as Administrator.
- 2 Under **Dashboards**, click **Administration** > **Setup** > **SAML 2.0 SSO**. The SAML 2.0 SSO Configuration dashboard appears.
- 3 Click **Edit Settings** and configure the SAML settings as below.
 - a) *Identity Provider Entity ID*: The value is in AAD *SAML-based sign-on* blade section 4, marked as *Azure AD Identifier*.
 - b) *Login URL*: The value is in AAD *SAML-based sign-on* blade section 4, marked as *Login URL*.
 - c) *Logout URL*: The value is in AAD *SAML-based sign-on* blade section 4, marked as *Logout URL*.
 - d) *Attribute Key*: It is the CLAIM NAME you chose in Step 3. For example, it can be <http://schemas.xmlsoap.org/ws/2005/05/identity/claims/name>.
 - e) *Identity Provider x.509 Signing Certificate*: Copy the content of the certificate file exported in [Step 4: Exporting the Certificate](#).
- 4 Click **Apply Configuration** to save the configuration.

Then, the configuration of integrating SAML 2.0 SSO with the Foglight Management Server in AAD is completed.

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- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product.