

# Joget SSO with Microsoft Entra ID (Azure Active Directory) using SAML

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## SAML SSO Configuration Steps

### 1. Install Joget SAML Plugin and Obtain ACS URL

1. Install the [Joget SAML Plugin](#) from the Joget Marketplace.
2. In the Joget **System Settings** > **General Settings**, set **API Domain Whitelist** to \*

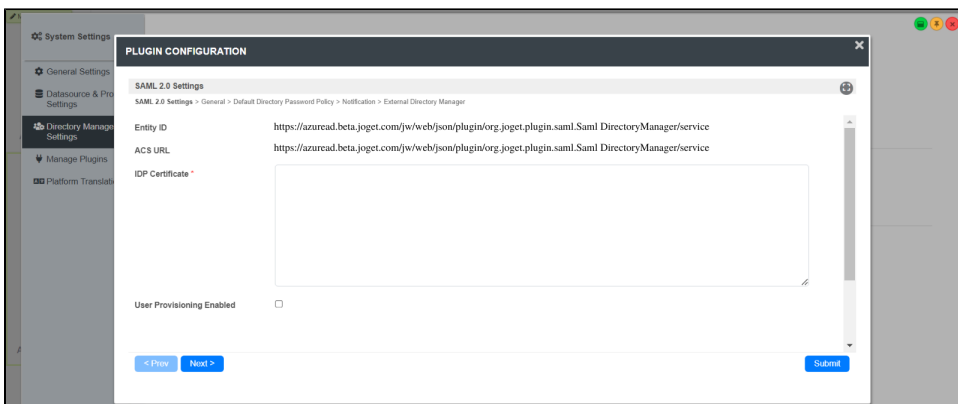
#### Important Note

If this is not set, you will get a 400 Forbidden error when performing the SSO.

3. In the Joget **System Settings** > **Directory Manager**, select the Joget SAML Plugin.
4. In the Joget SAML Plugin configuration, copy the **Entity ID** and **ACS URL**.

#### Important Note

Azure AD requires the ACS URL to be HTTPS so your Joget installation must be running under HTTPS.



### 2. Configure Microsoft Entra ID for SAML

1. Sign in to the [Azure](#) portal and navigate to **Azure > Browse Microsoft Entra Gallery > Create your own application**. Name your application and select the **Integrate any other application you don't find in the gallery** option and click **Create** to add an application.

The screenshot shows the 'Create your own application' interface. On the left, there are sections for 'Cloud platforms' (AWS, Google Cloud, Oracle, SAP), 'On-premises applications' (Add an on-premises application, Application Proxy, Provisioning), and 'Featured applications' (Adobe Identity Management, Atlassian Cloud, AWS Single-Account Access, Box). On the right, the 'Create your own application' dialog is open, showing the name 'Joget SAML SSO' and the option 'Integrate any other application you don't find in the gallery' selected.

2. Select the application, select **Set up single sign-on**, then select **SAML**.

The screenshot shows the 'Joget SAML SSO | Overview' page. The 'Properties' section is visible, showing the application name 'Joget SAML SSO' and its ID. The 'Getting Started' section contains five steps: 1. Assign users and groups, 2. Set up single sign-on, 3. Provision User Accounts, 4. Conditional Access, and 5. Self-service.

The screenshot shows the 'Joget SAML SSO | Single sign-on' page. The 'Single sign-on' section is visible, showing the 'Select a single sign-on method' section with four options: Disabled, SAML, Password-based, and Linked. The 'SAML' option is selected.

3. Under **Basic SAML Configuration**, select the **Edit pencil icon** and key in the **Joget SAML Identifier (Entity ID)** and **Reply URL (Assertion Consumer Service (ACS) URL)** copied earlier, then **Save**.

**Basic SAML Configuration**

Identifier (Entity ID) \*

Reply URL (Assertion Consumer Service URL) \*

Sign on URL (Optional)

Relay State (Optional)

Logout URL (Optional)

4. Edit **User Attributes & Claims**, and configure the claims

Claim Name	Value
Unique User Identifier (Name ID)	user.userprincipalname
email	user.mail
User.FirstName	user.givenname
User.LastName	user.surname

**Attributes & Claims**

Required claim

Claim name	C	Type	Value
Unique User Identifier (Name ID)	0	SAML	user.userprincipalname [nameid-format]

Additional claims

Claim name	C	Type	Value
email	0	SAML	user.mail ...
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/emailaddress	0	SAML	user.mail ...
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/givenname	0	SAML	user.givenname ...
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/name	0	SAML	user.userprincipalname ...
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/surname	0	SAML	user.surname ...
User.FirstName	0	SAML	user.givenname ...
User.LastName	0	SAML	user.surname ...

Advanced SAML claims options

Include attribute name format: Disabled

Issuer with application ID: Disabled

Audience override: None

Custom claims provider

5. Under **SAML Certificates**, download the **Certificate (Base64)**. This certificate file will be used to configure the Joget SAML Plugin later.

**SAML Certificates**

Status	Thumbprint	Expiration	Notification Email	App Federation Metadata URL	Certificate (Base64)	Certificate (Raw)	Federation Metadata XML
Active	9862373538841E4C7353476745578BA0284C	3/26/2028, 5:11:05 PM	adam@joget.com	https://login.microsoftonline.com/9162763f-6961-...	Download	Download	Download

Verification certificates (optional)

Required: No

Active: 0

Expired: 0

Set up Joget SAML SSO

You'll need to configure the application to link with Microsoft Entra ID.

Login URL: https://login.microsoftonline.com/9162763f-6961-...

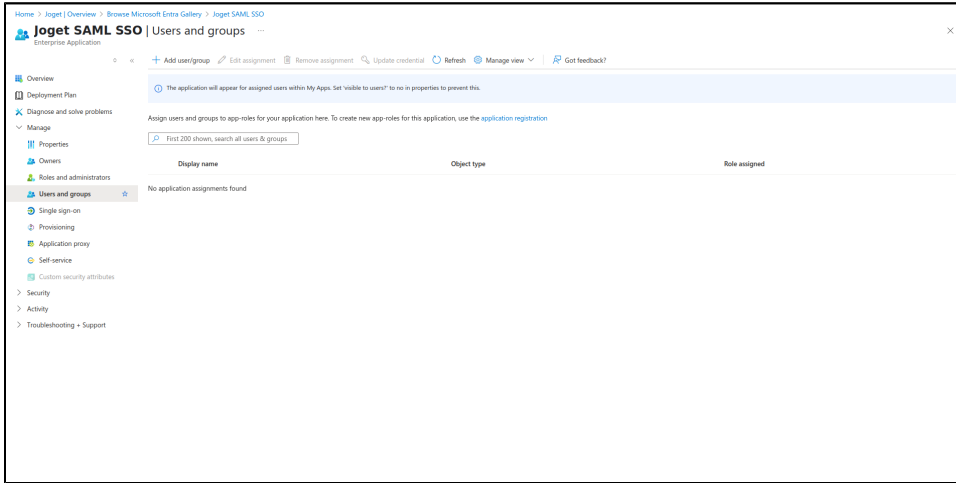
Microsoft Entra Identifier: https://on.onedrive.net/9162763f-6961-...

Logout URL: https://login.microsoftonline.com/9162763f-6961-...

Test single sign-on with Joget SAML SSO

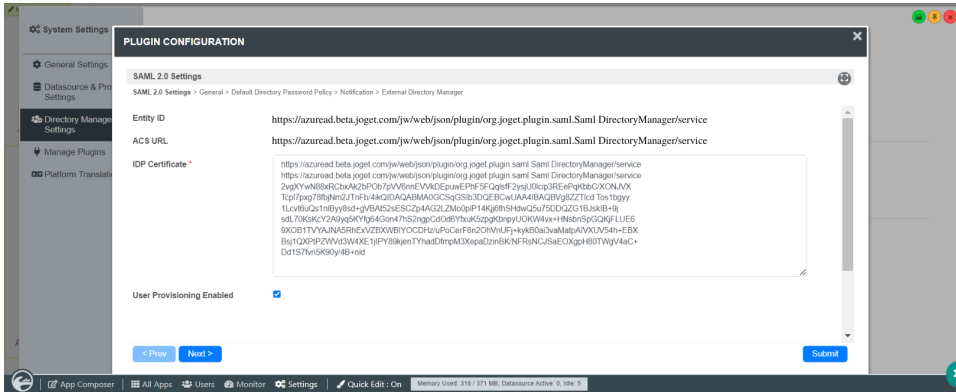
Test to see if single sign-on is working. Users will need to be added to Users and groups before they can sign in.

- Select the **Users and groups** menu item on the left, and add the users allowed to access Joget. You may add yourself to the listing so that you can test the login later.



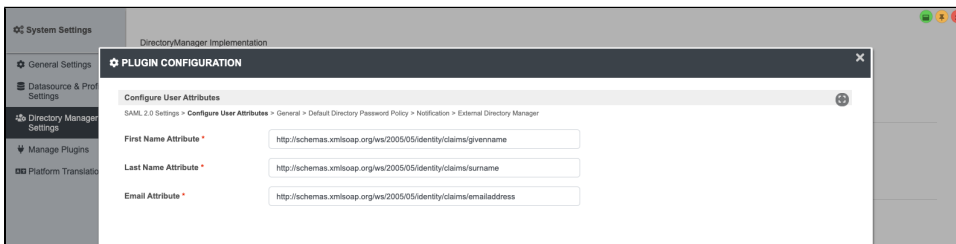
### 3. Configure SAML IDP Certificate in the Joget SAML Plugin

- Open the downloaded certificate file and copy the contents into the **IDP Certificate** field in the **Joget SAML Plugin** configuration (NOTE: copy without the -----BEGIN CERTIFICATE----- and -----END CERTIFICATE----- lines)



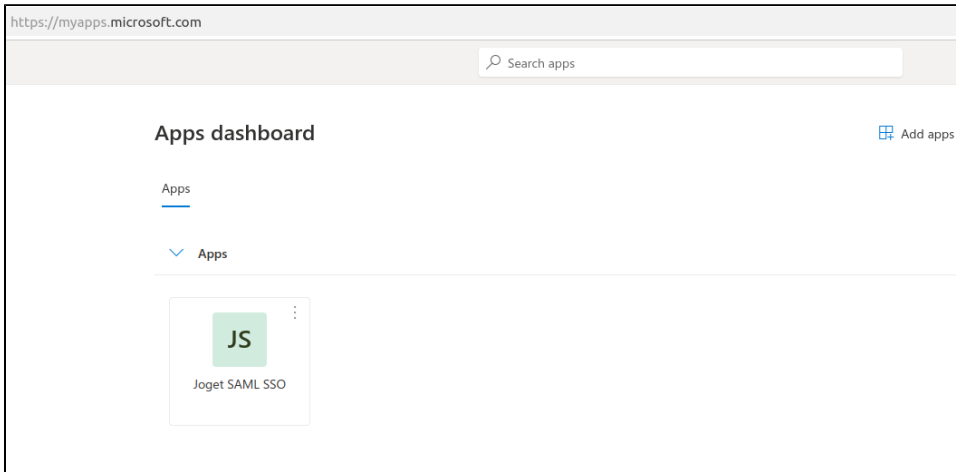
### 4. Configure Custom User Attributes

- Key in the values of the user attributes



### 5. Test the SAML SSO

1. Access the Azure [My Apps Portal](#), click on the application, and select the user to perform the SSO.



2. If the SSO configuration is correct, the current user will be logged into Joget.

## Source Code

This plugin source code is available in a new open source repository at <https://github.com/JogetOSS/>. JogetOSS is a community-led team for open source software related to the Joget no-code/low-code application platform. Projects under JogetOSS are community-driven and community-supported, and you are welcome to contribute to the projects.

## References

1. <https://docs.microsoft.com/en-us/azure/active-directory/manage-apps/configure-single-sign-on-non-gallery-applications>
2. <https://dev.joget.org/community/display/DX7/Joget+SharePoint+SSO+Integration>