

Configure Single Sign-on (SSO) with Entra ID

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Tags | [Authentication](#) | [SSO](#) | [SAML](#) | [Azure AD](#) | [Entra ID](#) |

Admin privileges required

Applies to: Free Basic Business Enterprise

Enterprise users can access their documentation [here](#). [Find your plan](#).

Overview

You can configure your Stack Overflow for Teams site to use Entra ID SAML 2.0 for single sign-on (SSO) authentication. Follow the steps below to configure SAML 2.0 authentication with Entra ID Enterprise.

NOTE: Before October 2023, Entra ID was called Azure Active Directory (Azure AD).

Configuring SSO with Entra ID requires multiple steps in both Entra ID and Stack Overflow for Teams. We recommend having both sites open in separate browser tabs or windows.


Create a new Entra ID application

To configure Entra ID authentication, log into your Microsoft Entra ID account. From your Entra ID portal, go to Entra ID and click Enterprise applications in the left-hand menu. If you can't find the Entra ID menu, look into **More Services** and search for "Entra ID".

1. Click **+ New application** at the top of the screen. The Entra ID Gallery will appear.
2. Click **Create your own application** at the top of the screen.


Create your own application

✕

 Got feedback?

If you are developing your own application, using Application Proxy, or want to integrate an application that is not in the gallery, you can create your own application here.

What's the name of your app?

Stack Overflow for Teams 

What are you looking to do with your application?

☐ Configure Application Proxy for secure remote access to an on-premises application

☐ Register an application to integrate with Microsoft Entra ID (App you're developing)

☒ Integrate any other application you don't find in the gallery (Non-gallery)

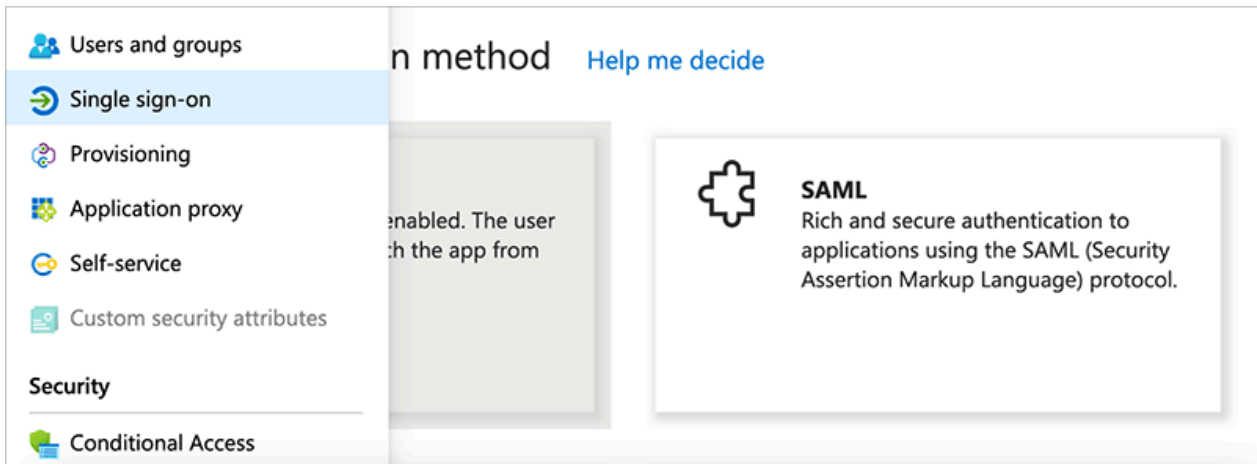
Create

3. Enter a name for your app, such as "Stack Overflow for Teams".
4. Select **Integrate any other application... (Non-gallery)**.
5. Click **Create**.

Configure SAML 2.0 URLs

With a new Entra ID application created, you'll now set up single sign-on (SAML 2.0).

1. Click **Single sign-on** in the left-hand menu.
2. Select **SAML**.



3. In the Basic SAML Configuration box, click **Edit**.

4. Add the following URLs:

Identifier (Entity ID)

Must be unique per application. We recommend you set this field to "StackOverflowTeams". Later, you'll enter this value into your Stack Overflow Teams auth settings as **Issuer** and **Audience Restriction**. Be sure the Entity ID checkbox for **Default** is checked.

Identifier (Entity ID) * ⓘ

The unique ID that identifies your application to Microsoft Entra ID. This value must be unique across all applications in your Microsoft Entra tenant. The default identifier will be the audience of the SAML response for IDP-initiated SSO.

	Default
StackOverflowTeams ✓	<input checked="" type="checkbox"/> ⓘ

[Add identifier](#)

Reply URL

You'll copy this value from your Stack Overflow for Teams authentication settings.

1. On your Stack Overflow for Teams site, click **Admin settings** in the left-hand menu.
2. Click **Authentication** under the "ACCESS MANAGEMENT" heading.

Appearance
Reputation
Tags
Custom awards
Dashboard
ACCESS MANAGEMENT
Users and permissions
User groups
Authentication
INTEGRATIONS AND APPS
Slack
Microsoft Teams
GitHub
Jira
BILLING
Plan
Account information
Payment method
Payment history

Authentication

Setup your Team's authentication method. This determines how users login and join your Team.

[Looking to manage users?](#)

☒ Single sign-on (SSO)

This is the safest and most efficient option for members to join and login to your team.

[Learn more about SSO](#)

RECOMMENDED

☐ Email domain

Anyone with your organization's verified email domain will be able to join.

You will still be able to invite users manually.

☐ Manual invitations

Invite new users by email.

Identity provider (IdP) settings

Making any changes on this page may cause breaking authentication methods for all your Team members and revoke their access. If you'd like help making changes, [contact Customer Support](#).

Assertion Consumer Service URL

This setting cannot be changed and is for informational purposes.

<https://sso.stackoverflow.com/c/your-team/auth/saml2/post>

Assertion Consumer Protocol Binding

3. Select **Single sign-in (SSO)**.
4. Select and copy the **Assertion Consumer Service URL** value.
5. In Entra ID, paste the **Assertion Consumer Service URL** value into the **Reply URL (Assertion Consumer Service URL)** field.

Reply URL (Assertion Consumer Service URL) *

The reply URL is where the application expects to receive the authentication token. This is also referred to as the "Assertion Consumer Service" (ACS) in SAML.

	Index	Default
https://sso.stackoverflow.com/c/your-team/auth/saml2/post ✓		<input checked="" type="checkbox"/> ⓘ

[Add reply URL](#)

6. Leave the rest of the optional fields blank and click **Save**.

Configure Attributes

When you create a new application, Entra ID will include the emailaddress (user.mail) claim.

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Attributes & Claims

Edit

givenname	user.givenname
surname	user.surname
emailaddress	user.mail
name	user.userprincipalname
Unique User Identifier	user.userprincipalname

Optional claims

You can also add the following optional claims:

- Job Title
- Department

When configured and included in the SAML response, Stack Overflow for Teams automatically updates these user data fields on login.

To configure additional claims, go to the Attributes & Claims box. Click **Edit**, then **Add new claim**.

Attributes & Claims

+ Add new claim

+ Add a group claim

Columns

Got feedback?

Required claim

Claim name	Type	Value
Unique User Identifier (Name ID)	SAML	user.userprincipalname [...]

Additional claims

Claim name	Type	Value
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/emailadd...	SAML	user.mail
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/givenname	SAML	user.givenname
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/name	SAML	user.userprincipalname
http://schemas.xmlsoap.org/ws/2005/05/identity/claims/surname	SAML	user.surname

To have Stack Overflow for Teams automatically update user department and job title info on login, add the following claims.

Claim Name	Source Attribute
department	user.department

Claim Name	Source Attribute
jobtitle	user.jobtitle

For example, here are the Manage claim settings for the optional department claim:

Manage claim

Save
 Discard changes
 Got feedback?

Name * ✓

Namespace ✓

Choose name format

Source * ☒ Attribute ☐ Transformation ☐ Directory schema extension

Source attribute * ▼

Claim conditions

Advanced SAML claims options

After you create the new claims, you'll enter the claim names into the Stack Overflow for Teams authentication settings as follows:

Display Name Assertion

Email Address Assertion

Job Title Assertion

Department Assertion

Download SAML certificate and copy the login URL

1. In Entra ID, download the **Certificate (Base64)** and save it on your computer. You'll use this later when setting up the Stack Overflow for Teams authentication settings.

Identify and add the users and/or user groups that should have login privileges to your Stack Overflow for Teams site.

NOTE: Only those users you identify in Entra ID will be able to log in to your Stack Overflow for Teams site with SSO.

Finalize authentication settings on Stack Overflow for Teams

At this point, you may have already transferred some values between your new Entra ID application and your Stack Overflow for Teams authentication settings. Now you'll finalize all settings in Stack Overflow for Teams.

1. At **Admin settings** -> **Authentication**, fill in the following values from Entra ID.

Single Sign-On Service Url

Enter the **Login URL** of your Entra ID application.

Single Sign-On Service Protocol Binding

Do not change (leave as **POST**).

Issuer and Audience Restriction

Enter the **Entity ID Identifier** you specified above.

Display Name Assertion

The default Entra ID given name assertion is <http://schemas.xmlsoap.org/ws/2005/05/identity/claims/givenname>. You can confirm this value on your Entra ID attributes list.

Email Address Assertion The default Entra ID email assertion is

<http://schemas.xmlsoap.org/ws/2005/05/identity/claims/emailaddress>. You can confirm this value on your Entra ID attributes list.

Below is an example of typical Entra ID SSO authentication settings in Stack Overflow for Teams.

Single sign-on Service Url
Must be https

Single sign-on Service Protocol Binding

Issuer

Audience Restriction

Display Name Assertion

Email Address Assertion

Job Title Assertion

Department Assertion


2. Scroll down the page to the **Identity Provider Certificates** box.

3. Open the certificate file you downloaded from your Entra ID app in a text editor.
4. Copy and paste the contents of that file into the **Identity Provider Certificates** box. Be sure to include "-----BEGIN CERTIFICATE-----", the certificate itself, and "-----END CERTIFICATE-----".
5. Click **Validate certificate** to make sure the certificate is valid.

Identity Provider Certificates

Base64-encoded public keys used to verify SAML responses from the Identity Provider

-----BEGIN CERTIFICATE-----
Aiy1nQA1ZbQLExdlQHa
aCg6DIBUo0XhVchuRcyb
-----END CERTIFICATE-----

 **Validate certificate**

Cancel

Issuer: CN=Microsoft Azure Federated SSO Certificate
Subject: CN=Microsoft Azure Federated SSO Certificate
Valid: Feb 28 2024 to Feb 28 2027
Thumbprint: 1406F009A4629668A79C86B62E8306716B80DB11
SignatureAlgorithm: sha256RSA

Add another certificate

6. Click **Authenticate and enable SSO**. This will test your authentication settings and enable SSO if the connection is successful.

Authenticate and enable SSO

Debug SAML auth settings

View SAML request

Automate the renewal of certificates (optional)

You can set up a Federation Metadata URL to automate the renewal of the Identity Provider Certificates. If you don't use the automation, an admin will have to update the certificate every year or users will be unable to access the Team.

To set up automatic certificate renewal:

1. Copy the **Federation Metadata URL** from the Entra ID SAML Certificates page.

SAML Certificates	
Token signing certificate	
Status	Active
Thumbprint	71F95BBA8741979681161CE8E1B7F5AE598FE1B2
Expiration	08/04/2027, 16:48:54
Notification Email	mgarcia@tl5vp.onmicrosoft.com
App Federation Metadata Url	https://login.microsoftonline.com/37a7cc9d-e211...
Certificate (Base64)	Download
Certificate (Raw)	Download
Federation Metadata XML	Download

- In your Stack Overflow for Teams authentication settings, check the **Automatically update certificates periodically** checkbox.
- Paste the **Federation Metadata URL** from Entra ID into the field that appears.

☒ **Automatically update certificates periodically**
 Requires federation metadata URL to be set.

Federation Metadata URL
 A FederationMetadata.xml file that can be downloaded anonymously over https

<https://login.microsoftonline.com/37DSA7cc9d-D11-431b-8341-823b4!>

- Click **Save**.

Choose a different user identifier assertion (optional)

By default, your site will use the Subject/NameID assertion from Entra ID as the user identifier. We recommend this as the simplest approach, but it may not work for your configuration.

If you check the **Don't use Subject/NameID as User Identifier** checkbox, you can specify a different user identifier assertion. If you choose a different user identifier, make sure it's an unchanging, unique identifier that remains consistent across logins.



Don't use Subject/NameID as User Identifier

If you don't use Subject/NameID as User Identifier, please make sure to use a stable identifier that doesn't change between logins.

User Identifier Assertion

employeeid

Need help? Submit an issue or question through our [support portal](#).