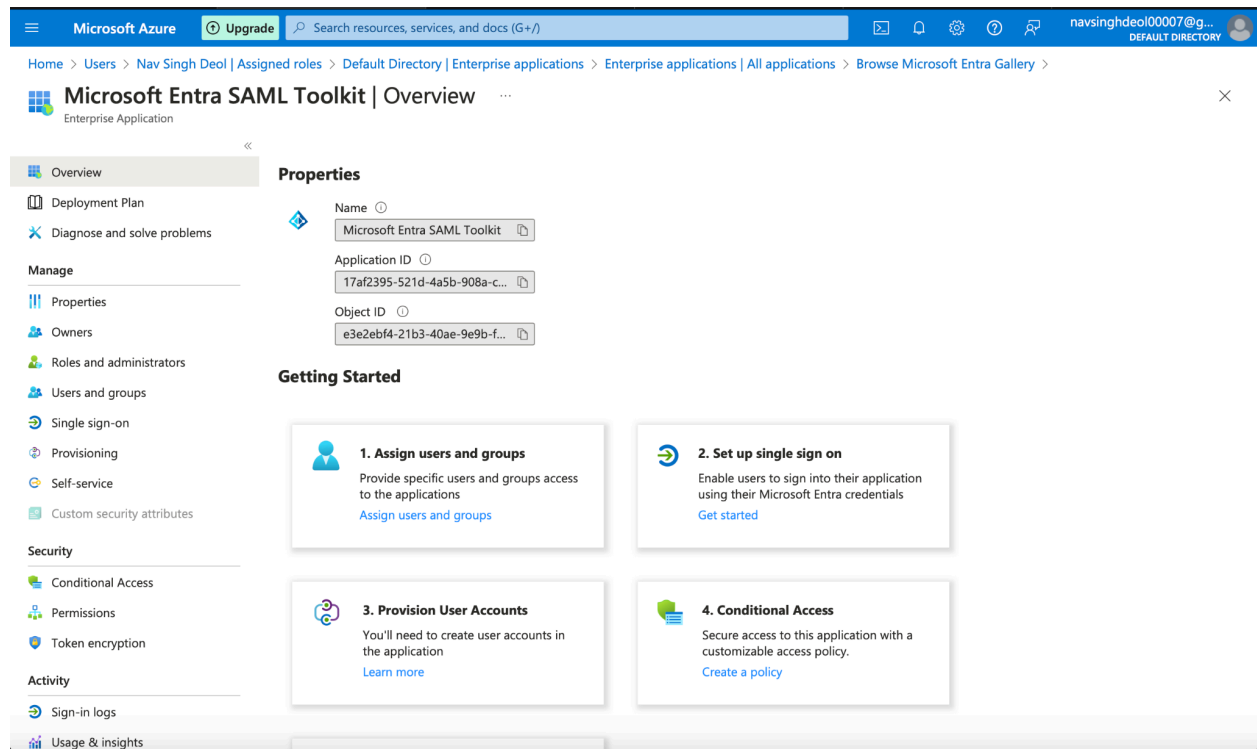


# Solution

## Step 1: Create the SAML Tool Kit



This step involved creating SAML toolkit which enable demonstrating setting single sign on.

## Step 2: Set up Single Sign-On

1. For setting up Single Sign-On, I had to first click on Set up single sign on option.
2. Then, I selected SAML as single sign-on method

## Select a single sign-on method [Help me decide](#)



### Disabled

Single sign-on is not enabled. The user won't be able to launch the app from My Apps.



### SAML

Rich and secure authentication to applications using the SAML (Security Assertion Markup Language) protocol.



### Linked

Link to an application in My Apps and/or Office 365 application launcher.

3. Next, clicked on the Edit button.

1

#### Basic SAML Configuration

 Edit

Identifier (Entity ID)	<b>Required</b>
Reply URL (Assertion Consumer Service URL)	<b>Required</b>
Sign on URL	<b>Required</b>
Relay State (Optional)	<i>Optional</i>
Logout Url (Optional)	<i>Optional</i>

4. The identifier ID field was already defined **https://samltoolkit.azurewebsites.net**.
5. In the reply URL I entered **https://samltoolkit.azurewebsites.net/saml/consume**.
6. In the sign-on URL, placed **https://samltoolkit.azurewebsites.net**.

### 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
<input type="text" value="https://samltoolkit.azurewebsites.net"/>	<input checked="" type="checkbox"/> ⓘ
<a href="#">Add identifier</a>	
<b>Patterns:</b> https://samltoolkit.azurewebsites.net	

### 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
<input type="text" value="https://samltoolkit.azurewebsites.net/SAML/Consume"/>	<input type="text"/>	<input checked="" type="checkbox"/> ⓘ
<a href="#">Add reply URL</a>		
<b>Patterns:</b> https://samltoolkit.azurewebsites.net/SAML/Consume		

### Sign on URL \*

Sign on URL is used if you would like to perform service provider-initiated single sign-on. This value is the sign-in page URL for your application. This field is unnecessary if you want to perform identity provider-initiated single sign-on.

\*

<input type="text" value="https://samltoolkit.azurewebsites.net"/>	<input checked="" type="checkbox"/>
<b>Patterns:</b> https://samltoolkit.azurewebsites.net/	

- Clicked on Save button and closed the Pop window.
- Scrolled to the SAML certificates option and downloaded Certificate (Raw).
- Scrolled down to the Set up Microsoft Entra SAML Toolkit and copied the value of fields Login URL, Microsoft Entra Identifier and Logout URL into a notepad document for later use.

#### Set up Microsoft Entra SAML Toolkit

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

Login URL	<input type="text" value="https://login.microsoftonline.com/e14333ab-e7a7-4150-825-..."/>	
Microsoft Entra Identifier	<input type="text" value="https://sts.windows.net/e14333ab-e7a7-4150-825-..."/>	
Logout URL	<input type="text" value="https://login.microsoftonline.com/e14333ab-e7a7-4150-825-..."/>	

Copy to clipboard

- Then I added the 2 users by heading to add group/user option.

Try changing or adding filters if you don't see what you're looking for.

Search

3 results found

All Users

	Name	Type	Details
<input type="checkbox"/>	Nav Singh Deol	User	navsinghdeol00007@gmail.com
<input checked="" type="checkbox"/>	NavDemo	User	NavDemo@navsinghdeol00007gmail.onmicrosoft.co...
<input checked="" type="checkbox"/>	NavDemo2	User	NavDemo2@navsinghdeol00007gmail.onmicrosoft.co...

Selected (2)

Reset

NavDemo

NavDemo@navsinghdeol00007gmail.onmicrosoft.co...

NavDemo2

NavDemo2@navsinghdeol00007gmail.onmicrosoft.c...

11. Then I registered the user in the log in page using the new credentials.

SAML Toolkit
Home
Register
Log in

## Register.

Create a new account. Please make sure that you create the user matching with your Azure AD user's email address.

Email

Password

Confirm password

Register

12. After registering, I followed the on screen instructions by click SAML configuration and selecting create.

SAML Toolkit
Home
SAML Configuration
Hello NavDemo2@navsinghdeol00007gmail.onmicrosoft.com!
Log off

## SAML 2.0 Single sign-on Configuration

Create the configuration for your SAML 2.0 identity provider below. SAML Toolkit requires SAML assertions to include a NameID in the format emailAddress. Once you create the connection below then it will provide you the SP initiated Login URL.

- Entity ID: <https://samltoolkit.azurewebsites.net>
- Assertion Consumer Service URL: **Copy Assertion Consumer Service URL from the table below**
- Sign on URL: **Please copy the URL from the table below. This will be available once you create the SSO configuration.**

[Create](#)

This SAML SSO Configuration is private to your login.

SP Initiated Login URL	Assertion Consumer Service (ACS) URL

© 2024 - SAML Toolkit Application

13. In the next step, I filled in the information that I saved earlier and also uploaded the downloaded certificate.

SAML Toolkit
Home
SAML Configuration
Hello NavDemo2@navsinghdeol00007gmail.onmicrosoft.com!
Log off

## SAML SSO Configuration

Create your SAML 2.0 SSO configuration here.

Copy the mapping values from Azure AD Single sign on Page and then paste it here.

Login URL\*

https://login.microsoftonline.com/e14333ab-e7a7-4150-8253-2bc2ab2d6bef/saml2

Azure AD Identifier\*

https://sts.windows.net/e14333ab-e7a7-4150-8253-2bc2ab2d6bef/

Logout URL\*

https://login.microsoftonline.com/e14333ab-e7a7-4150-8253-2bc2ab2d6bef/saml2

Certificate RAW\*

Choose File
Microsoft Entra SAML Toolkit.cer

Create

14. I copied the SP initiated login URL and also copied Azure AD identifier from details option into a notepad document for the later use.

This SAML SSO Configuration is private to your login.

SP Initiated Login URL	Assertion Consumer Service (ACS) URL	
https://samltoolkit.azurewebsites.net/SAML/Login/16039	https://samltoolkit.azurewebsites.net/SAML/Consume/16039	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>

Subject name: CN=Microsoft Azure Federated SSO Certificate Valid from: 2/14/2024 Valid to: 2/14/2027 Issued Certificate Issued by: Microsoft Azure Federated SSO Certificate

Azure AD Identifier\*

https://sts.windows.net/e14333ab-e7a7-4150-8253-2bc2ab2d6bef/

Save

15. Then I headed back to the SAML configuration and clicked on edit button.
16. Then I clicked on Add identifier where I placed the Azure AD Identifier URL we copied in step 14. I also added another reply URL and there I pasted the SP Initiated URL that was copied during the step 14. I also pasted the same URL in the Sign on URL option.

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
<input checked="" type="checkbox"/> <a href="#">https://samltoolkit.azurewebsites.net</a>	<input type="checkbox"/> <a href="#">https://sts.windows.net/e14333ab-e7a7-4150-8253-2bc2ab2d6bef/</a>

[Add identifier](#)

**Patterns:** [https://samltoolkit.azurewebsites.net](#)

### 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
<input checked="" type="checkbox"/> <a href="#">https://samltoolkit.azurewebsites.net/SAML/Consume</a>	<input type="checkbox"/> <a href="#">https://samltoolkit.azurewebsites.net/SAML/Login/16039</a>	<input type="checkbox"/> <a href="#">https://samltoolkit.azurewebsites.net/SAML/Login/16039</a>

[Add reply URL](#)

**Patterns:** [https://samltoolkit.azurewebsites.net/SAML/Consume](#)

### Sign on URL \*

Sign on URL is used if you would like to perform service provider-initiated single sign-on. This value is the sign-in page URL for your application. This field is unnecessary if you want to perform identity provider-initiated single sign-on.

\*

☒ [https://samltoolkit.azurewebsites.net/SAML/Login/16039](#)

**Patterns:** [https://samltoolkit.azurewebsites.net/](#)

17. I saved the new changes.

18. After closing the pop window, I tested the sign in.

# Test single sign-on with Microsoft Entra SAML Toolkit



Got feedback?

My Apps Secure Sign-in Extension is only supported on Edge and Chrome. Learn more about the My Apps Secure Sign-in Extension here [→](#)

## Testing sign in

Test the single sign-on configuration for Microsoft Entra SAML Toolkit by signing in here. Ensure that you have configured both the Microsoft Entra configuration and Microsoft Entra SAML Toolkit itself.

To test as your current user, select "Test sign in" below.

To test as another user, open this experience in a new tab in your browser. In that new tab, sign into the current portal with the user you'd like to test sign in as. Then, in that new tab, select "Test sign in" to test as that other user. [Read the testing guide for more information.](#)

[Test sign in](#)

## Resolving errors

If you encounter an error in the sign-in page, please paste it below. If you still see the same issue, please wait for couple of minutes and retry.

[What does the error look like?](#)

Request Id: 4f8ec053-fb71-47de-a010-2786a32f1900  
Correlation Id: 5aa879f5-68f1-482a-a405-ff993d8f4cb0  
Timestamp: 2018-03-06T23:54:10Z  
Message: Error AADSTSXXXX:

[SAML Toolkit](#) [Home](#) [SAML Configuration](#)

Hello NavDemo2@navsinghdeol00007gmail.onmicrosoft.com! [Log off](#)

## SAMLLogin

Use a SAML SSO to log in.

Your Connection Identifier = 16039

[Log in](#)

© 2024 - SAML Toolkit Application