RSA SecurID Access SAML Configuration for Cisco Umbrella

Last Modified: May 12th, 2017

Cisco Umbrella (OpenDNS earlier) is the enterprise network security product suite designed to enforce security policies for mobile employees who work beyond the corporate network using roaming devices like laptops, mobiles etc. and provides granular network security for all devices behind the network perimeter. IT administrators can define policies, provision devices, and view reports across users, sites, networks, groups, and devices. The company also launched the Security Graph which is a data-driven threat intelligence engine that automatically updates malware, botnet, phishing domain and IP blacklists enforced time to time. Cisco Umbrella does not provide feature of auto-provisioning the user.

Before You Begin

- Acquire an administrator account to both RSA SecurID Access and Cisco Umbrella.
- Obtain SP metadata details from the Service Provider.
- Obtain IdP metadata from IDR portal.

The instructions in this guide use the following SP Login URL, ACS URL and Issuer ID (entity ID) values:

SP Login URL	*https://dashboard.umbrella.com/*
ACS URL	*https://login.umbrella.com/sso*
Service Provider Issuer ID	*https://login.umbrella.com/sso*

Procedure

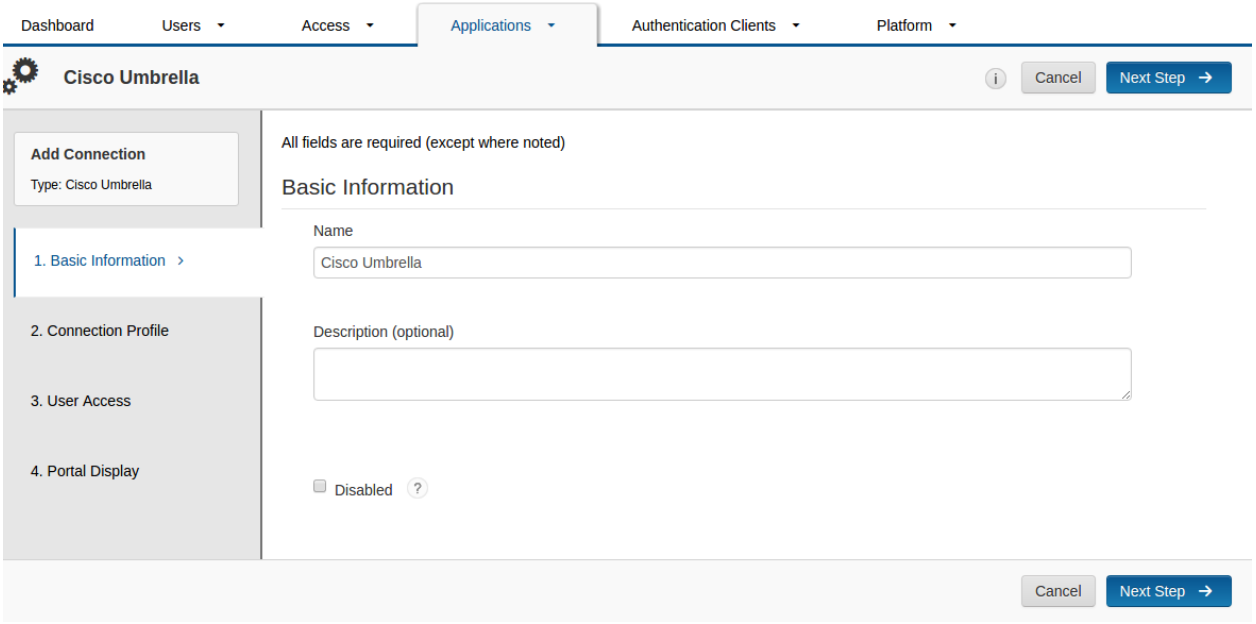
1. Add the Application in RSA SecurID Access
2. Configure Cisco Umbrella to Use RSA SecurID Access as an Identity Provider

Add the Application in RSA SecurID Access

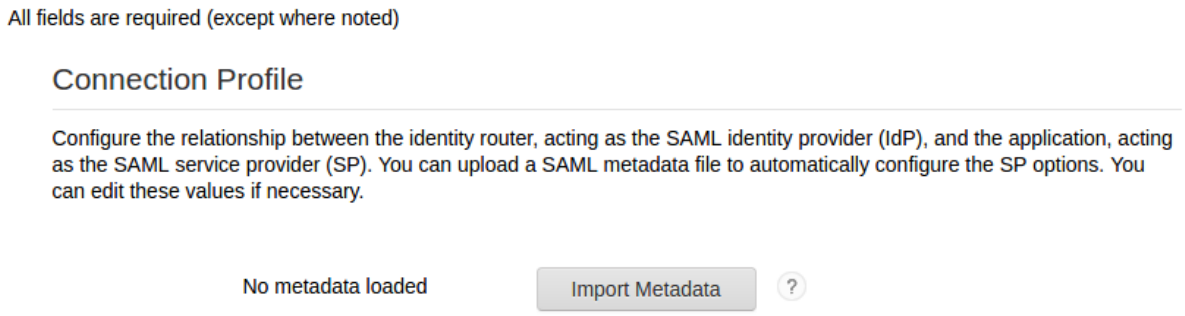
Procedure

1. In the RSA SecurID Access Administration Console, click **Applications > Application Catalog**.
2. From the list of applications, click **+Add** Cisco Umbrella.

3. On the Basic Information page, specify the application name and click **Next Step**.



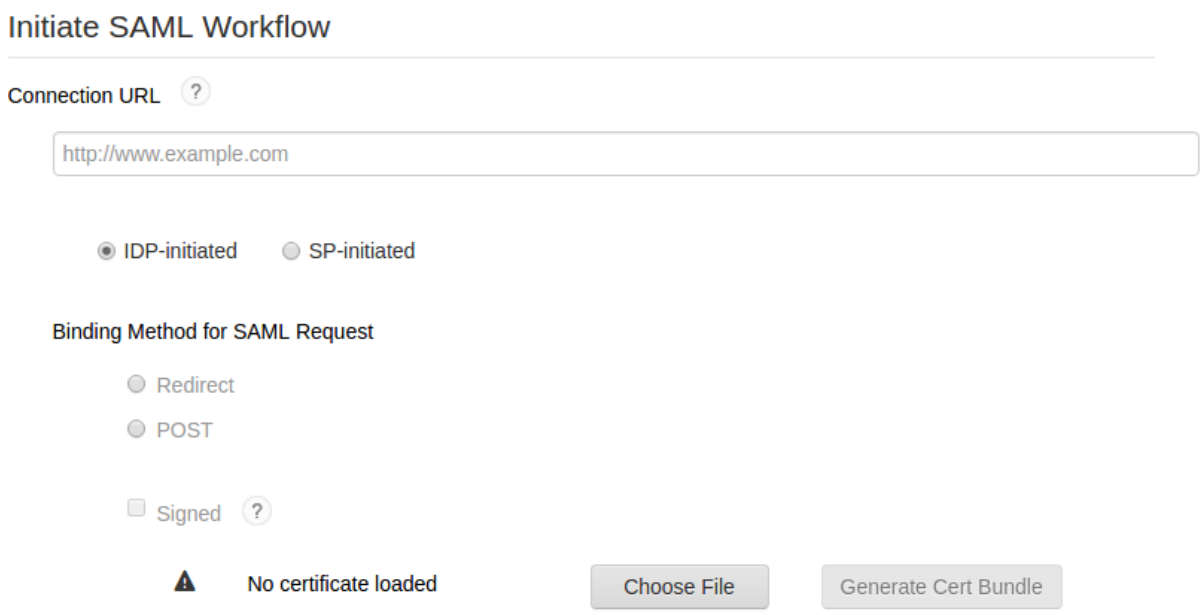
4. Navigate to **Connection Profile** section. Click on **Import Metadata** button to configure SAML settings by providing path to the metadata file of service provider you downloaded and go to *step – 9* directly.



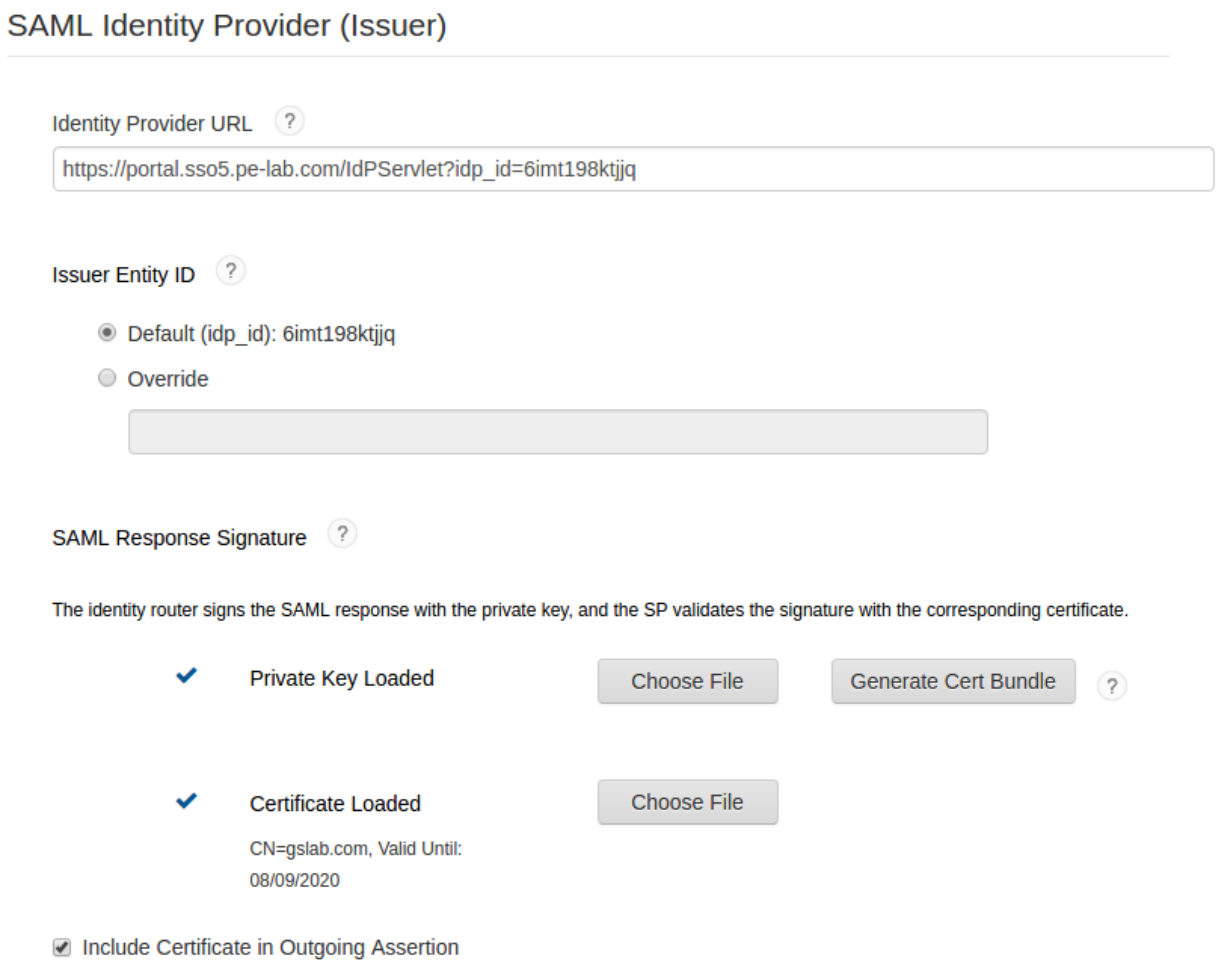
Follow below instructions *step – 5* onwards only when you have not chosen to configure SAML settings by importing metadata file mentioned in *step – 4* and wish to configure SAML settings manually.

5. Navigate to **Initiate SAML Workflow** section.
   a. In the **Connection URL** field, keep the field blank as the value is not required.
   b. Choose **IDP-initiated.**

Note: The following IdP-initiated configuration works for SP-initiated Cisco Umbrella connections as well.



6. Scroll down to **SAML Identity Provider (Issuer)** section.

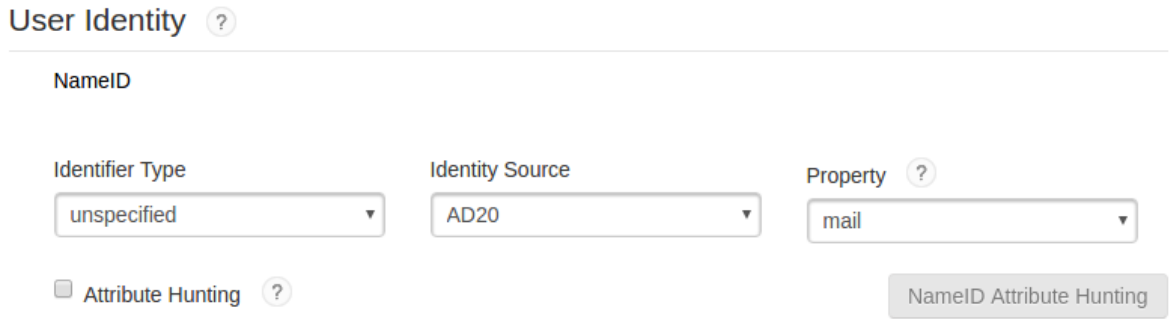


a. Make a note of **Identity Provider URL** field value, as it will be needed later to configure the Service Provider configuration.
b. Select **Default (idp_id)** for value for the **Issuer Entity ID**. Make sure that same **Issuer ID** is provided at SP-side SAML configuration.
c. Select **Choose File** and upload the private key.
d. Select **Choose File** to import the public signing certificate.
e. Select the checkbox for **Include Certificate in Outgoing Assertion**.

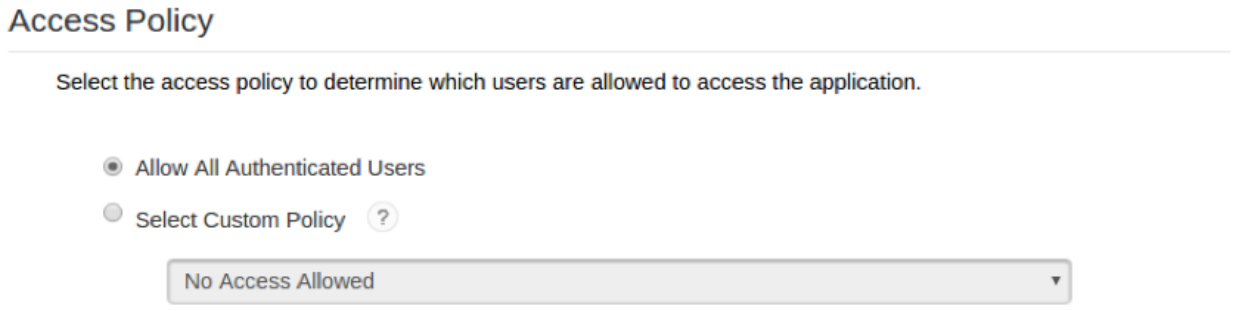
7. Scroll down to the **Service Provider** section.

   a. In the **Assertion Consumer Service (ACS) URL** field, provide value as per received from service provider.
   b. In the **Audience (Service Provider Issuer ID)** field, provide value as per received from service provider.

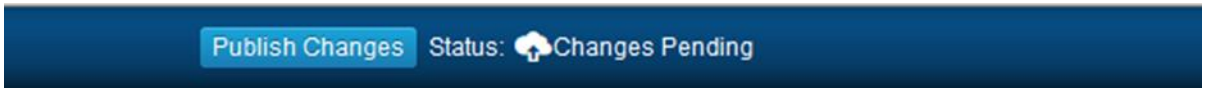
8. Scroll down to the **User Identity** section. Verify the settings are correct for your environment. In this example the username to be presented in email format and the user account will be validated against the User Store selected.



9. Click **Next Step**.
10. On the **User Access** page, select **Allow All Authenticated Users** user policy from the available options.



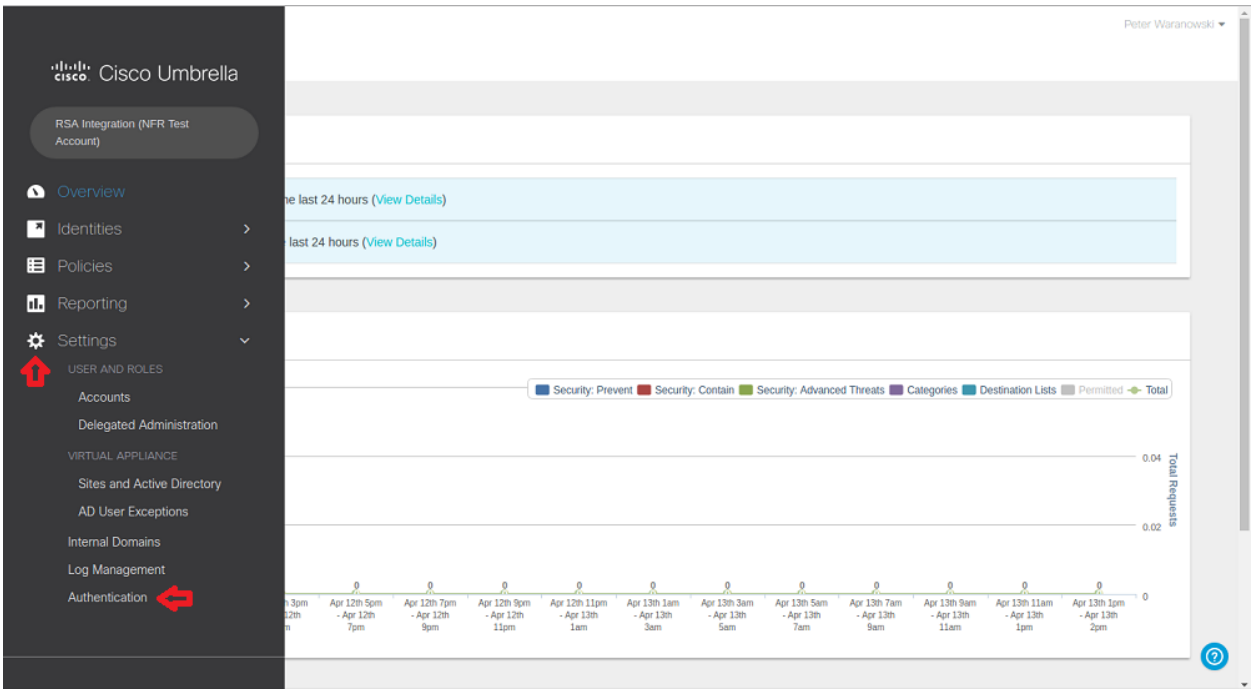
11. Click **Next Step**.
12. On the **Portal Display** page, select **Display in Portal**.
13. Click **Save and Finish**.
14. Click **Publish Changes**. Your application is now enabled for SSO.



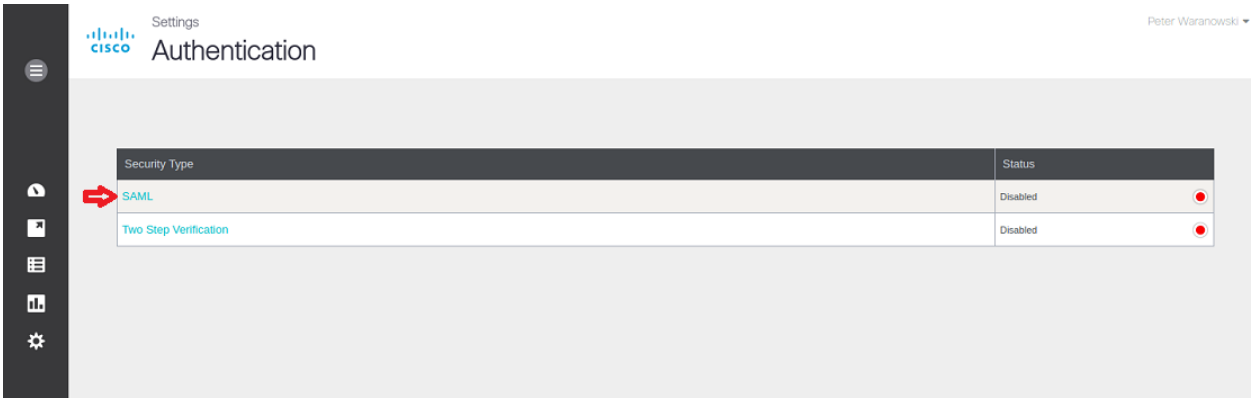
15. Navigate to **Applications > My Applications**.
16. Locate Cisco Umbrella in the list and from the **Edit** option, select **Export Metadata**.

Procedure

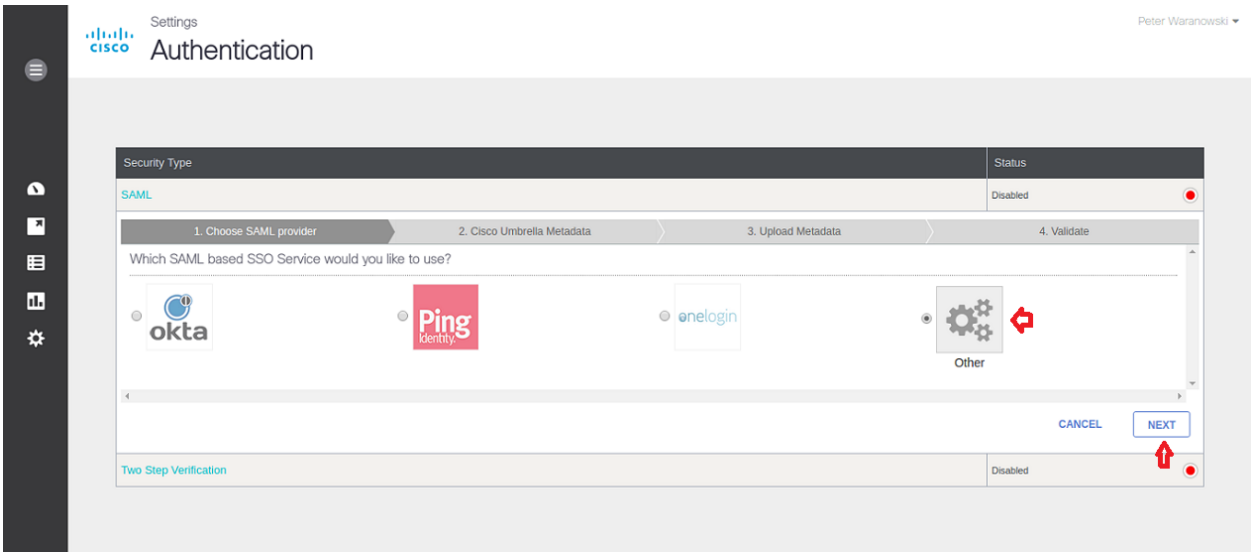
1. Login to your Cisco Umbrella application web account. (https://dashboard.umbrella.com/)
2. Following UI will be displayed. Go to **Settings** > **Authentication**.



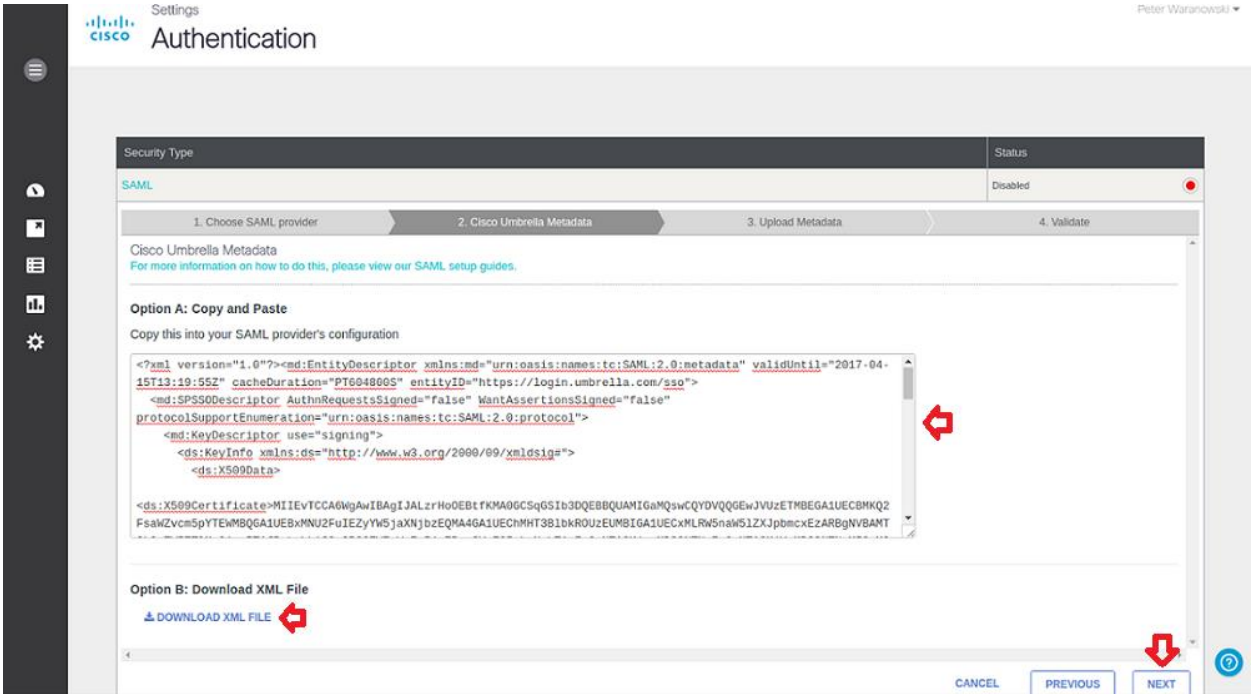
3. Click on **SAML**.



4. Following pop-up will be displayed. Click on **Other** checkbox to configure our own identity provider amongst available ones. Once selected, click on **NEXT** button.

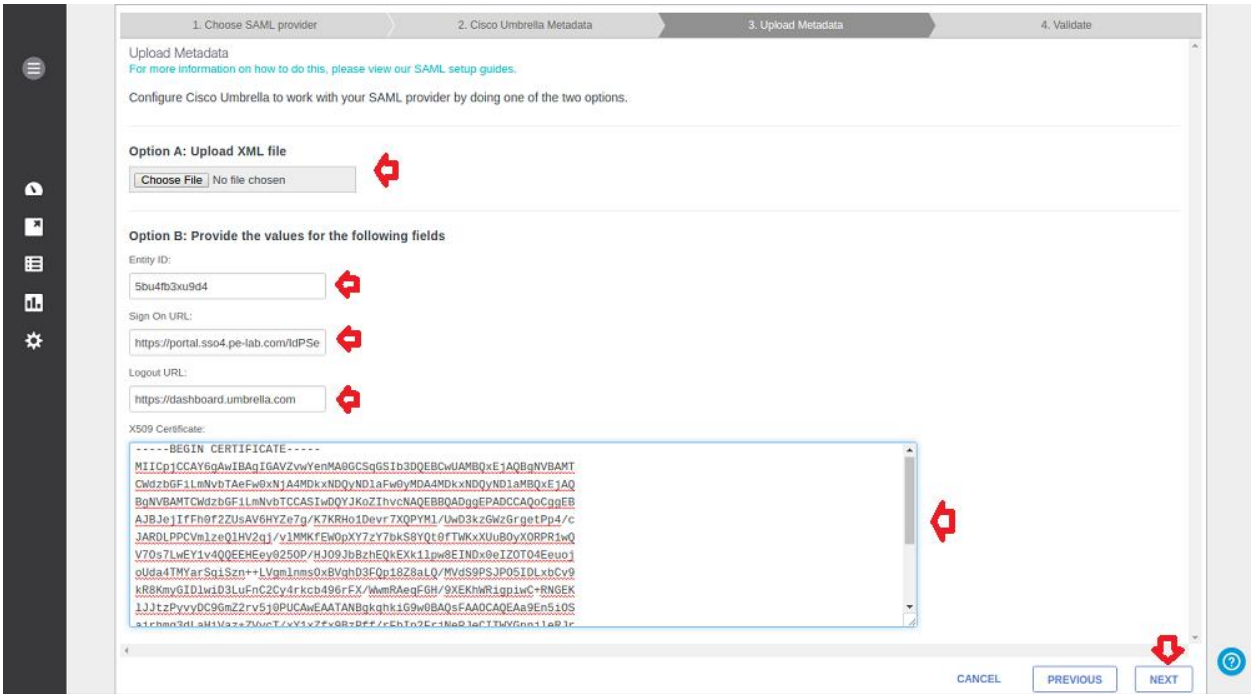


5. Following pop-up will be displayed which specifies service provider metadata details.



   a. **Option A** : **Copy and Paste** – Copy metadata details about service provider to some xml file (For ex. - metadata.xml).
   b. **Option B** : **Download XML File** – Download metadata file to the machine. This file can be directly imported to configure SAML settings at identity provider end in *step – 4* on *page – 2* above.
   c. Click **NEXT** button.

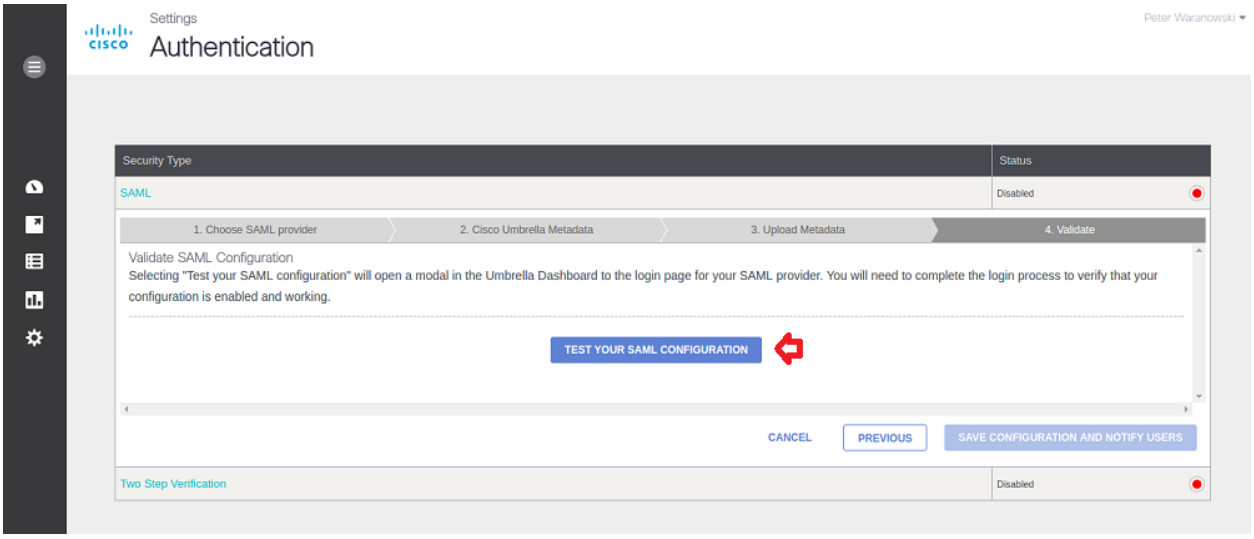
6. Configure the SAML settings and click **Next**.



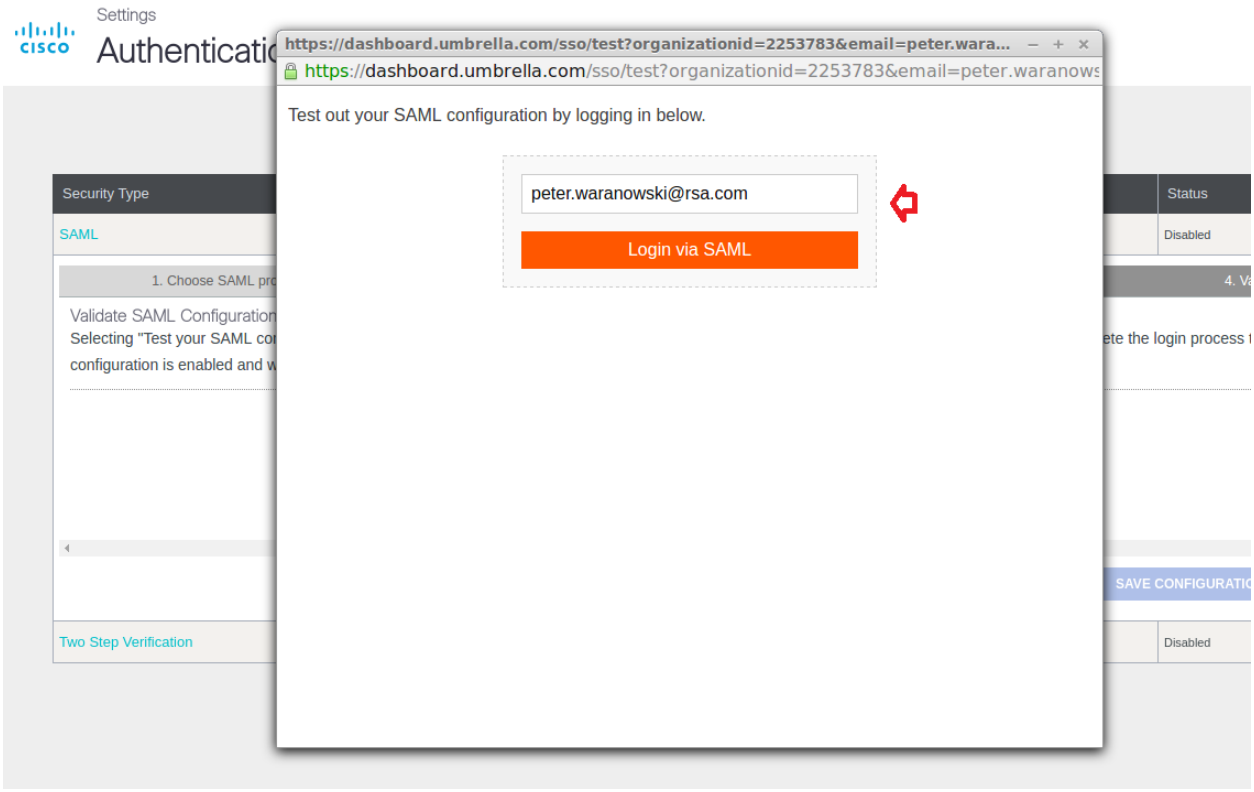
a. **Option A** : **Upload XML file** – Here identity provider metadata file can be directly uploaded to configure SAML settings which is downloaded in *step – 16 on page – 6* above.
b. **Option B** : **Provide the values for the following fields** – If chosen to configure settings manually, configure as below –

    1. **Entity ID** : Provide the value of IdP Issuer field here that is received from RSA Admin portal.
    2. **Sign On URL** : Enter the Identity Provider URL found in *step – 6* on page - 4. It is of following format : https://<Your_Portal_URL>?idp_id=<Unique_IdP_ID>
    3. **Logout URL** : Provide URL here where user will be redirected after logging out from the account.
    4. **X509 Certificate** : Provide the RSA SecurID Access IdP public certificate here.

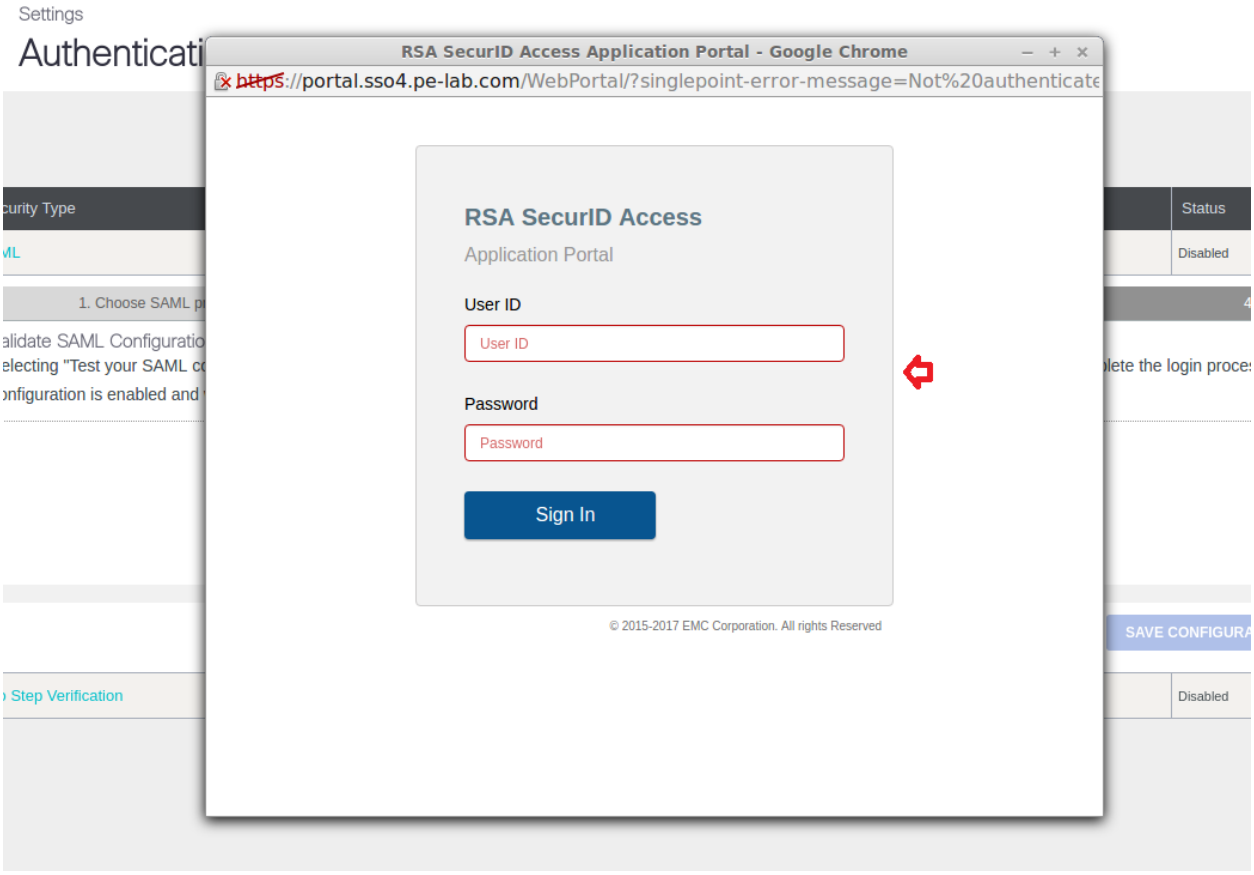
7. Following pop-up will be displayed which will ask you to test the SAML settings done till now. Click on button **TEST YOUR SAML CONFIGURATION**.



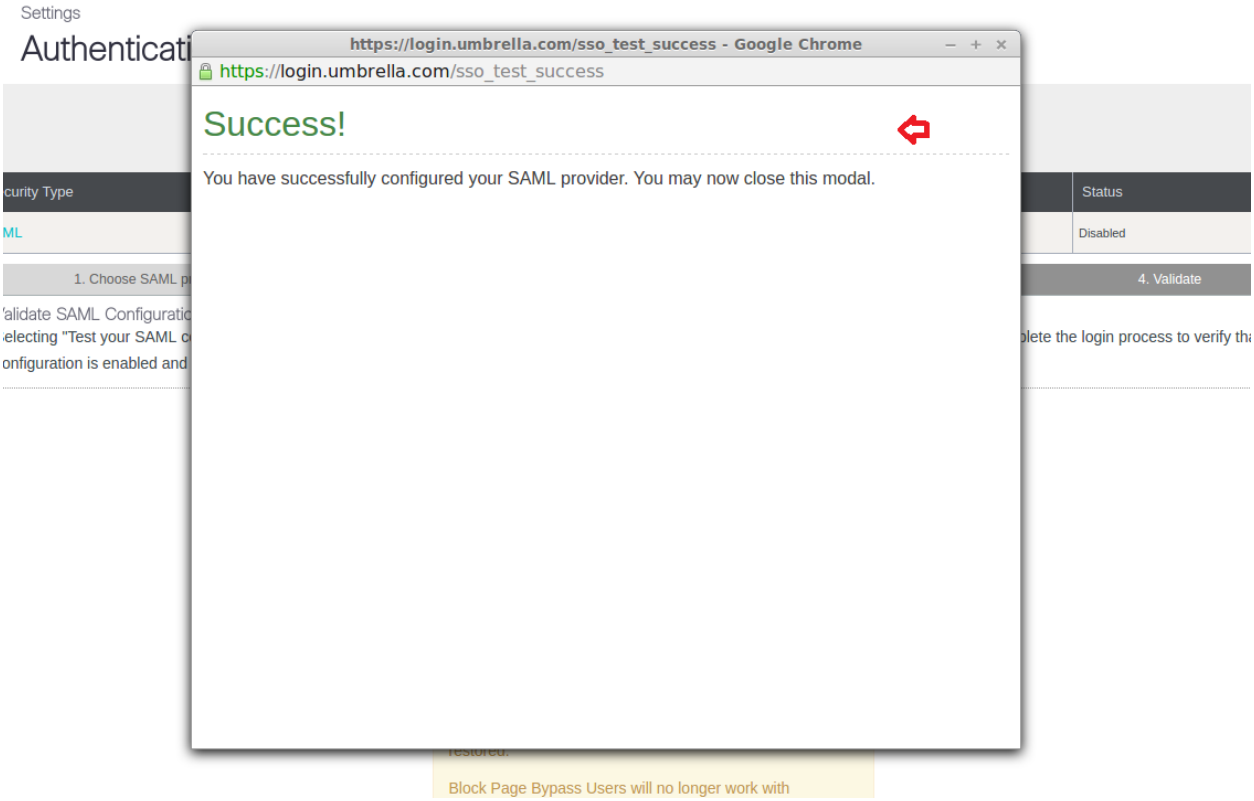
8. After clicking, will result into opening of new window on same page as below. Verify your account for which SSO needs to be tested and click on **Login via SAML** button.



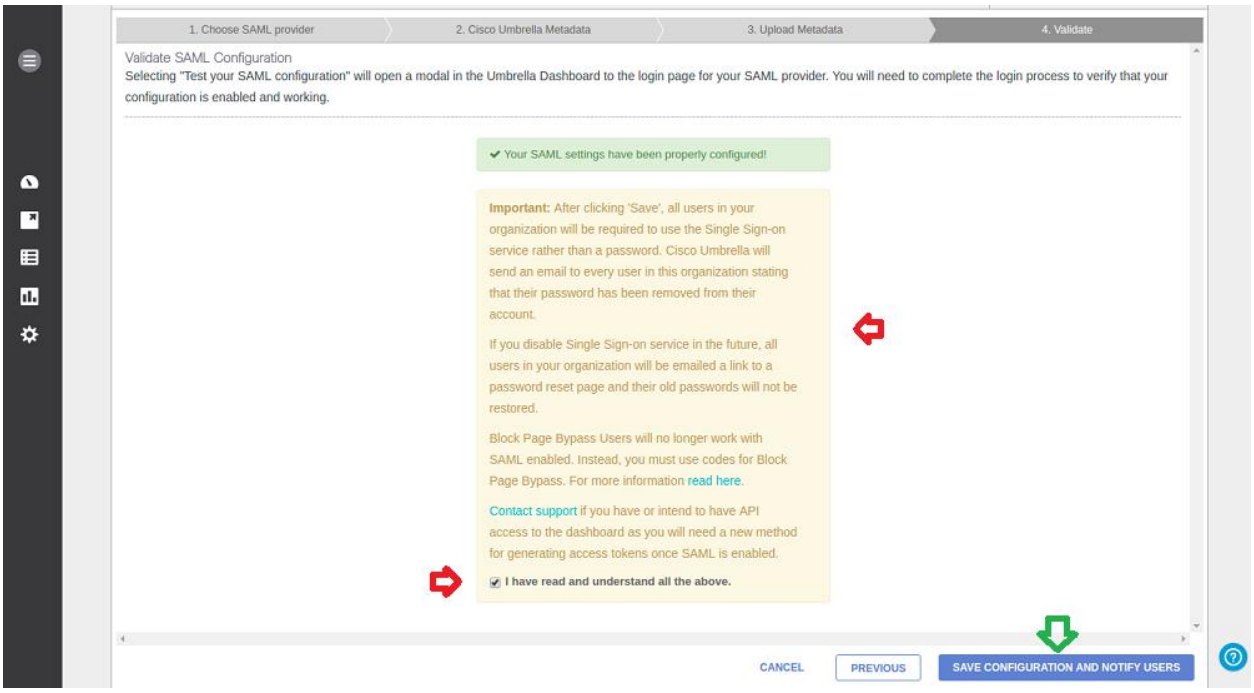
9. Following IDR portal appears as SAML Request will be initiated. Provide admin credentials here and click on **Sign In** button.



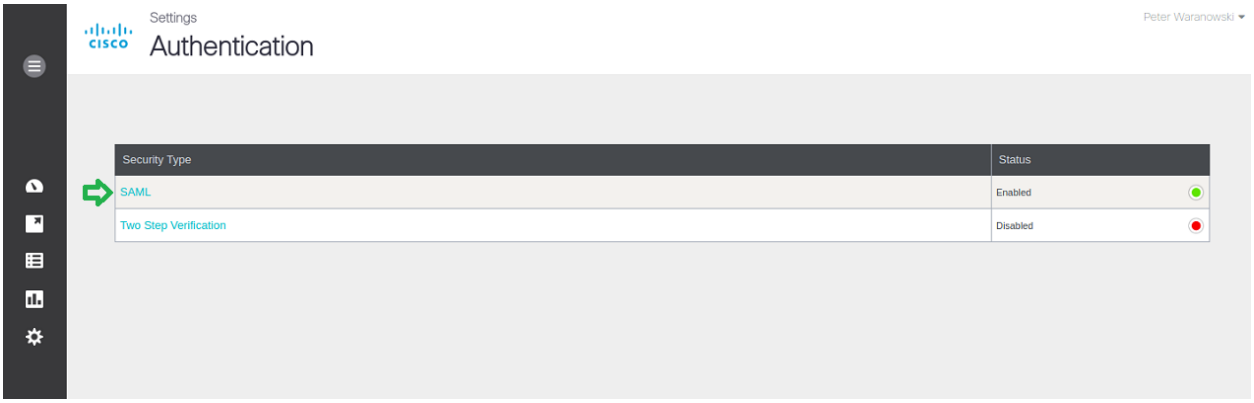
10. Upon successful SAML Response reception, you will be greeted with **Success** message on the screen as following. Thus, Admin and Cisco Umbrella SAML integration is successfully performed. Close this window now to proceed with next steps.



11. Following page is displayed now informing about successful SAML SSO configurations. One checkbox will appear to accept all the terms and conditions to use Cisco Umbrella features. Click on checkbox **I have read and understand all the above**. Finally, click on **SAVE CONFIGURATION AND NOTIFY USERS** button to save all changes and enable SAML authentication for the account.



12. At the end, following pop-up is displayed with checkbox in front of **SAML** option marked with *green* color to notify SAML is now enabled for account.



RJ