

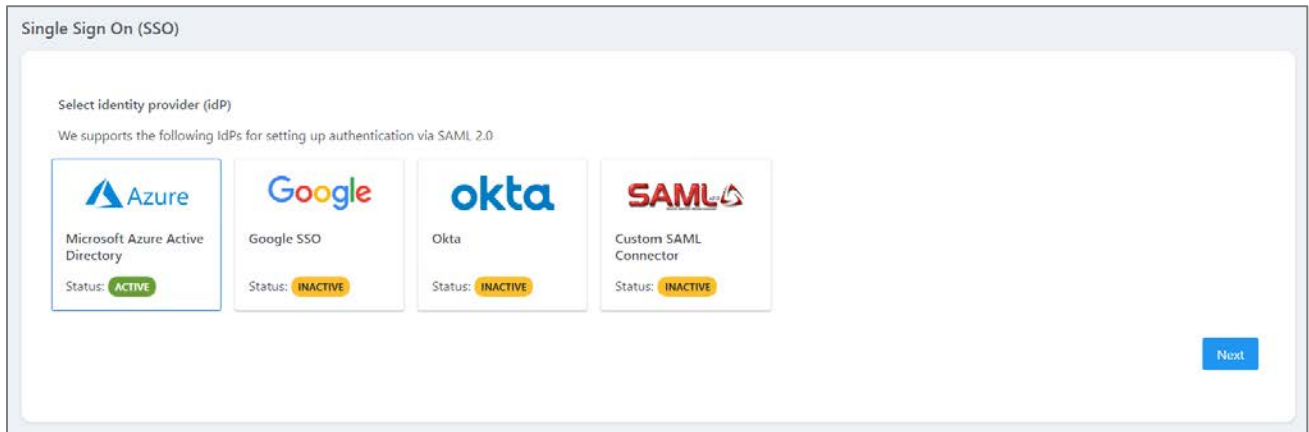


How to configure Single sign-on with Microsoft Azure Active Directory to control access

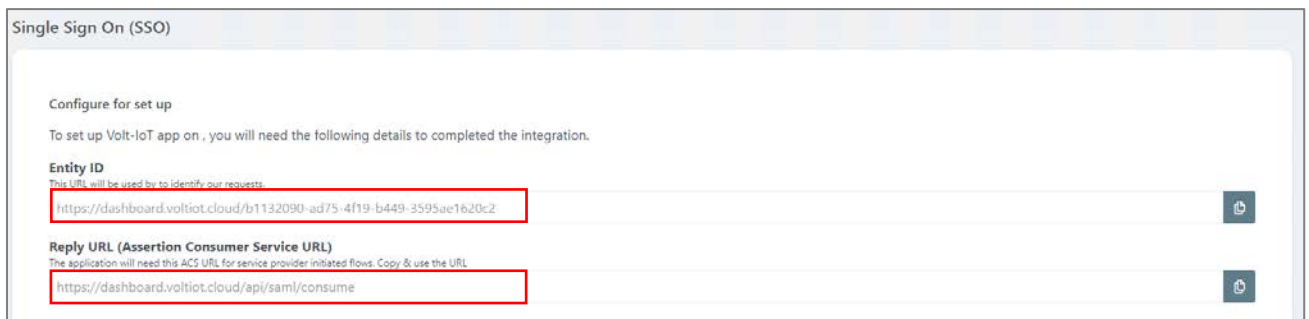
Azure AD - Volt-IoT SAML 2.0

The objective of this article is to demonstrate the steps to be performed in Volt-IoT SAML 2.0 within Azure Active Directory (Azure AD) to enable Single sign-on (SSO) in a centralized and secure way of controlling access to Volt-IoT Application

1. Login to your Volt-IoT super admin account access and select **Configuration** tab on the left-hand navigation bar.
2. Scroll down and go to the section of Single Sign-on (SSO) Configuration.
3. Select the Identity Provider **Microsoft Azure Active Directory** and click **Next**, you will be directed to configuration settings which are required to setup **Volt-IoT** app on your IdP.

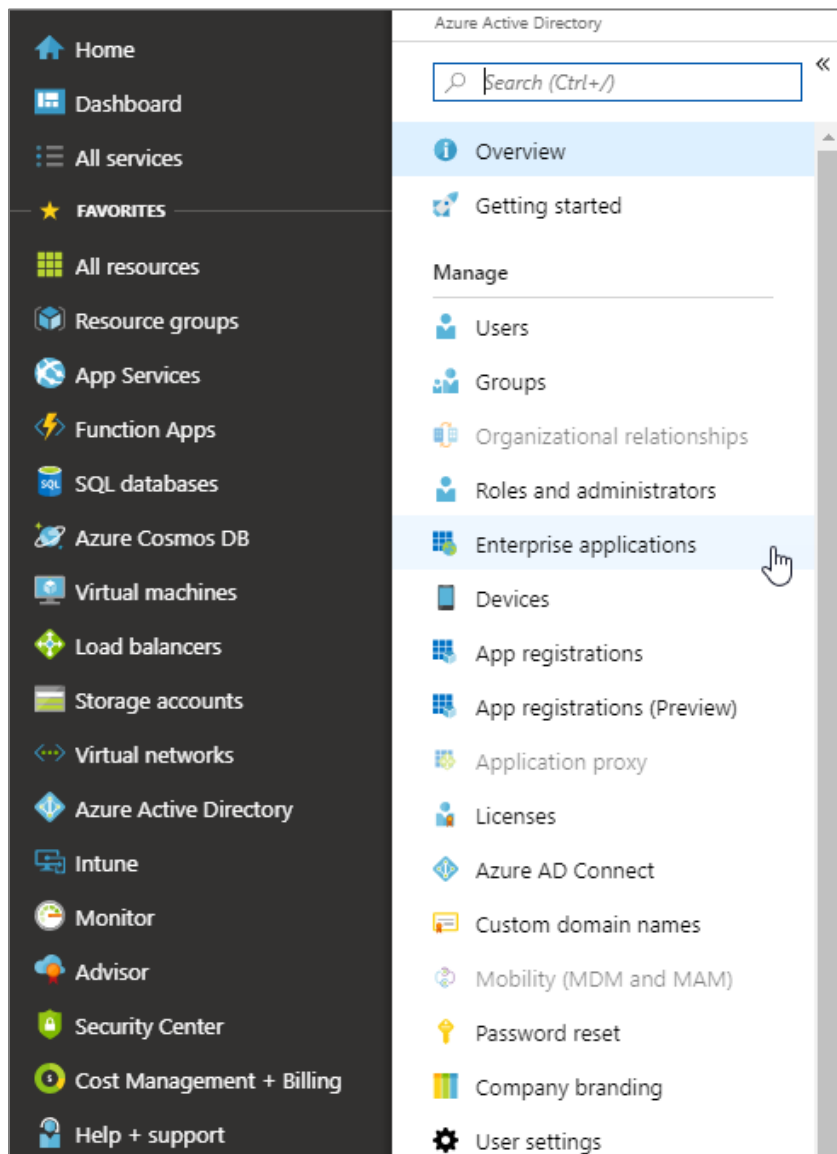


4. Copy the **Entity ID** and **Reply URL** (ACS URL) from configuration page.

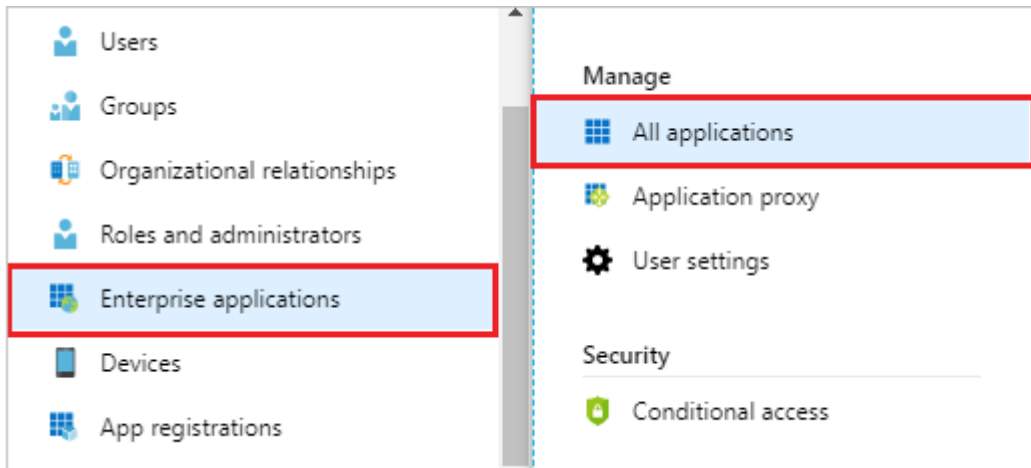


5. Go to your [Azure Portal](#) and sign in (**Important:** make sure you are in the correct directory!)

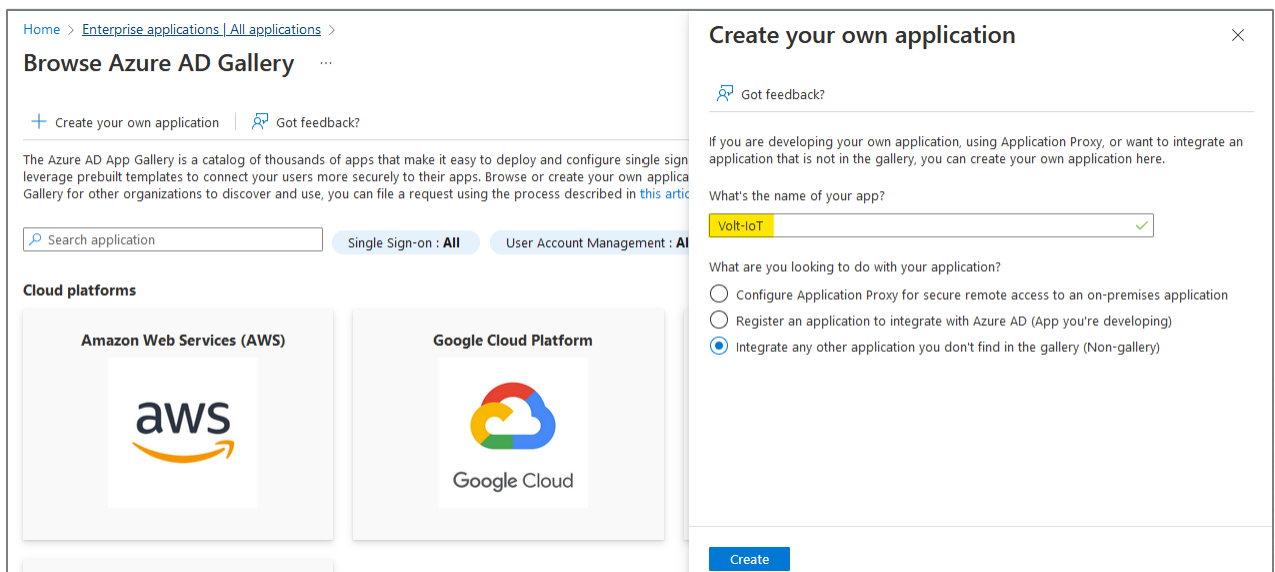
6. In the left navigation panel, select **Azure Active Directory**



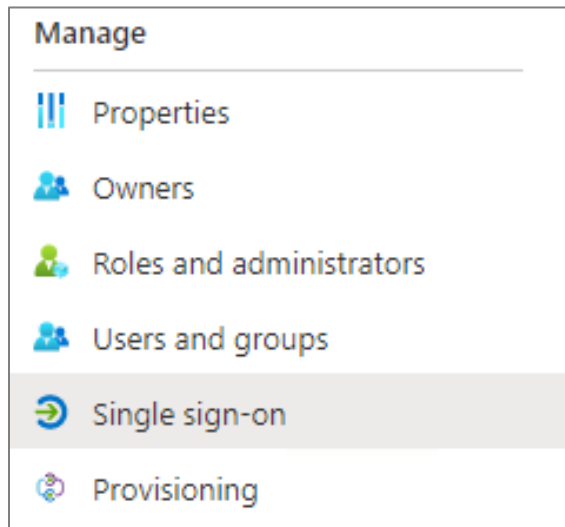
7. Navigate to **Enterprise applications**, and then select **All applications**.



8. To add a new application, select the **New Application** button at the top of the pane.
9. Click **Create your own application** and on the right panel type the name of your custom non-gallery app and click **Create** button.

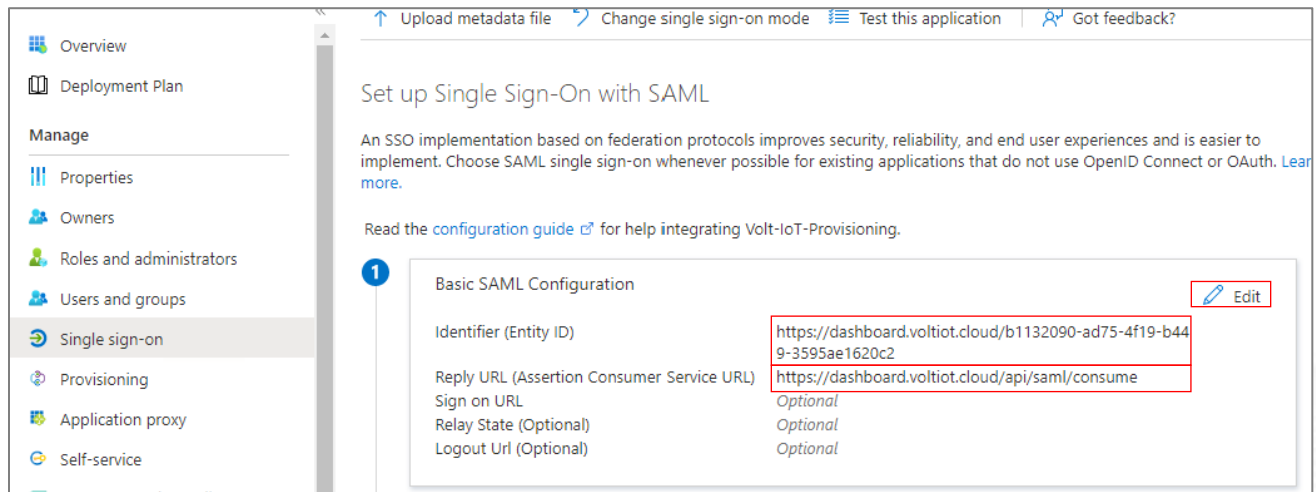


10. Once the Application is added to your directory, navigate to the **Single sign-on** tab



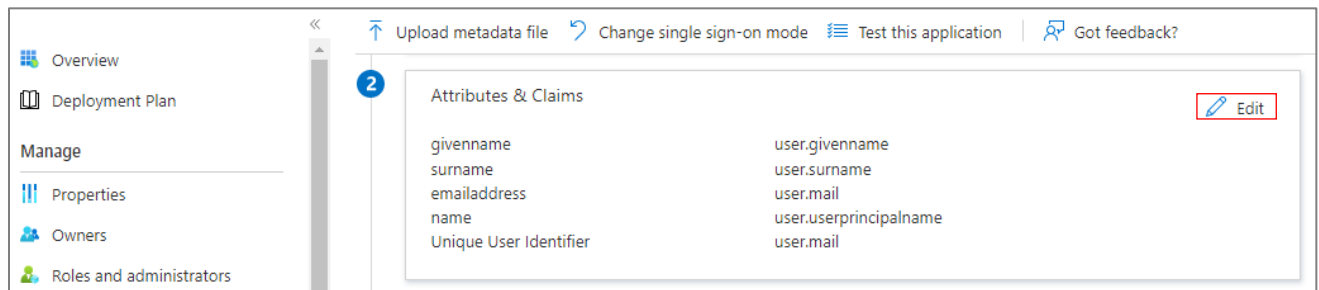
11. Edit the **Basic SAML Configuration** settings and paste the following values from **Volt-IoT SSO Configuration** page.

- Paste **Entity ID** under **Identifier (Entity ID)**.
- Paste **Reply URL** (Assertion Consumer Service URL).



12. **Save and Close**

13. Next, edit **User Attributes & Claims**



14. Under **Choose name identifier format**

- Select **Attribute**
- Enter **user.mail** (or whatever is the attribute for email address)
- Click **Save**

Manage claim

Save Discard changes Got feedback?

Name: nameidentifier

Namespace: http://schemas.xmlsoap.org/ws/2005/05/identity/claims

Choose name identifier format

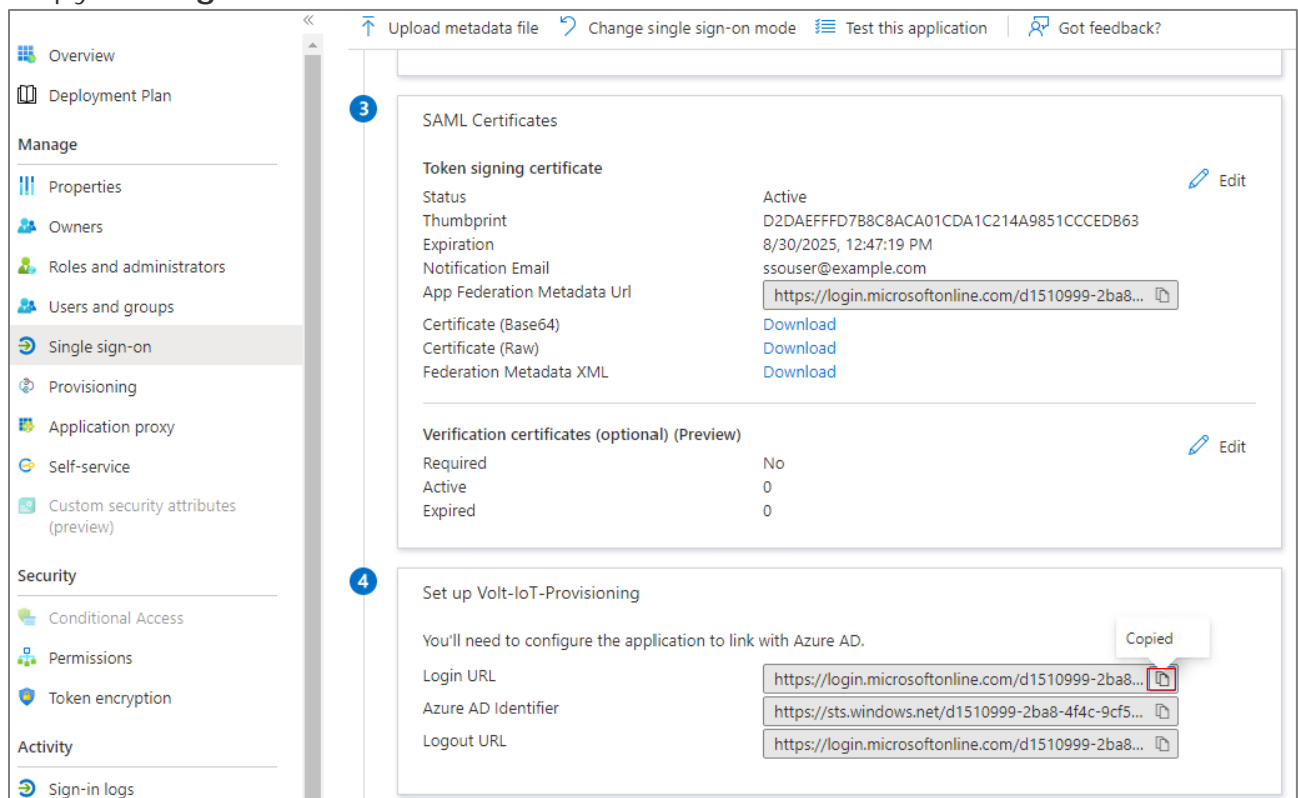
Name identifier format: Email address

Source: Attribute Transformation

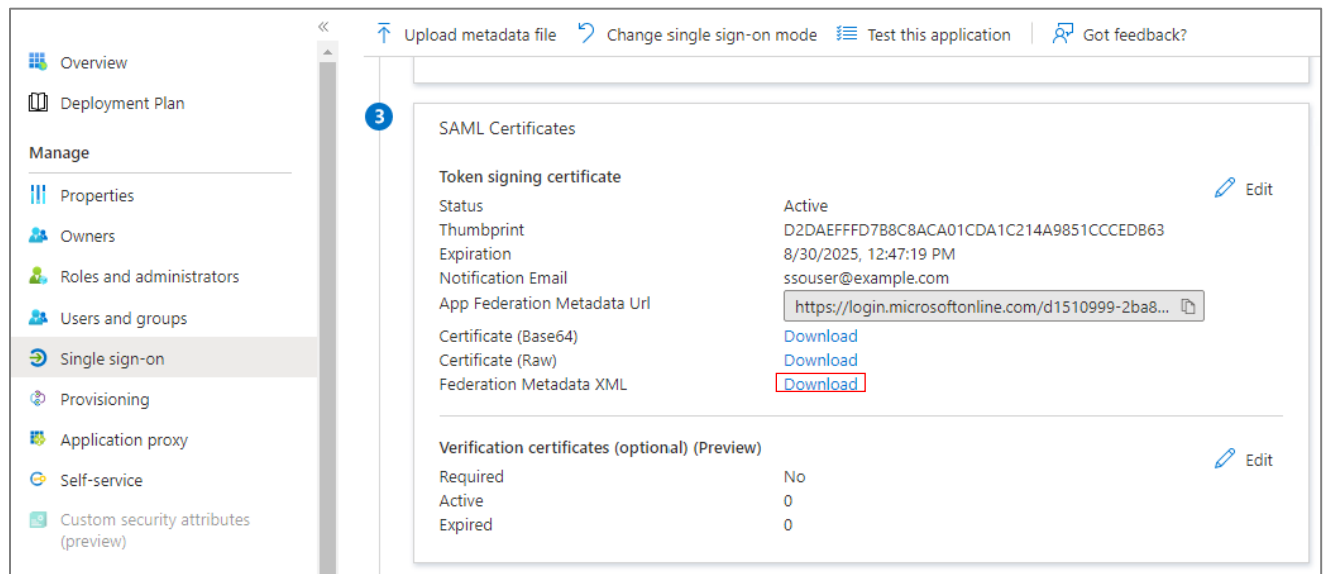
Source attribute: user.mail

Claim conditions

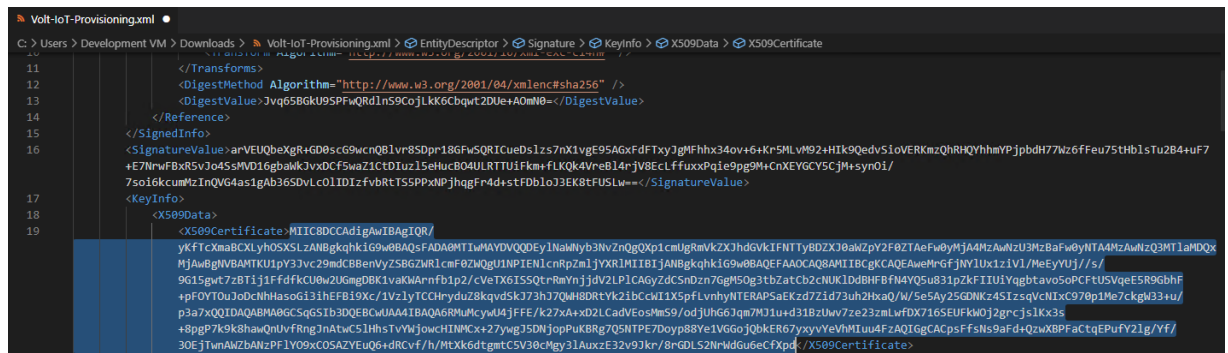
15. Copy the **Login URL**



16. Click on **Download** next to **Federation Metadata XML**, present in the **SAML Signing Certificate**.



- Open the file and copy the following
- **Public Certificate**



17. Navigate back to **Volt-IoT Single Sign-on configuration page** and paste the following details.

- Login URL
- Public Certificate.

[illegible]

18. Click **Save Configuration**.

19. Test the integration via **Azure Active Directory** Configuration, Click **Test** button

Microsoft Azure Search resources, services, and docs (G+)

Home > Volt-LoT-Provisioning >

Volt-LoT | SAML-based Sign-on

Enterprise Application

Overview Deployment Plan Manage Properties Owners Roles and administrators Users and groups Single sign-on Provisioning Application proxy Self-service Custom security attributes (preview) Security Conditional Access Permissions Token encryption Activity Sign-in logs Usage & insights Audit logs Provisioning logs Access reviews

Upload metadata file Change single sign-on mode Test this application Got feedback?

3 SAML Certificates

Token signing certificate [Edit](#)

| | |
|-----------------------------|--|
| Status | Active |
| Thumbprint | D2DAEFFFD7B8C8ACA01CDA1C214A9851CCCEB63 |
| Expiration | 8/30/2025, 12:47:19 PM |
| Notification Email | ssouser@example.com |
| App Federation Metadata Url | https://login.microsoftonline.com/d1510999-2ba8... Download |
| Certificate (Base64) | Download |
| Certificate (Raw) | Download |
| Federation Metadata XML | Download |

Verification certificates (optional) (Preview) [Edit](#)

| | |
|----------|----|
| Required | No |
| Active | 0 |
| Expired | 0 |

4 Set up Volt-LoT-Provisioning

You'll need to configure the application to link with Azure AD.

| | |
|---------------------|--|
| Login URL | https://login.microsoftonline.com/d1510999-2ba8... Download |
| Azure AD Identifier | https://sts.windows.net/d1510999-2ba8-4f4c-9cf5... Download |
| Logout URL | https://login.microsoftonline.com/d1510999-2ba8... Download |

5 Test single sign-on with Volt-LoT-Provisioning

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

[Test](#)

20. Click **Test sign In** button

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Volt-LoT | SAML-based Sign-on

Enterprise Application

Overview Deployment Plan Manage Properties Owners Roles and administrators Users and groups Single sign-on Provisioning Application proxy Self-service Custom security attributes (preview) Security Conditional Access Permissions Token encryption Activity Sign-in logs Usage & insights Audit logs Provisioning logs Access reviews

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Set up Single Sign-On with SAML

An SSO implementation based on federation protocols improves security, reliability, and end user experiences and is easier to implement. Choose SAML single sign-on whenever possible for existing applications that do not use OpenID Connect or OAuth. [Learn more.](#)

Read the [configuration guide](#) for help integrating Volt-LoT-Provisioning.

1 Basic SAML Configuration

[Edit](#)

| | |
|--|---|
| Identifier (Entity ID) | https://dashboard.voltloT.cloud/b/1132090-ad75-4f19-b44-9-3595ae1620c2 |
| Reply URL (Assertion Consumer Service URL) | https://dashboard.voltloT.cloud/ap/saml/consume |
| Sign on URL | Optional |
| Relay State (Optional) | Optional |
| Logout URL (Optional) | Optional |

2 Attributes & Claims

[Edit](#)

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

3 SAML Certificates

Test single sign-on with Volt-LoT

[Got feedback?](#)

Microsoft recommends installing the My Apps Secure Sign-in Extension for automatic error capture and resolution guidance. Make sure you allow third-party cookies if you have installed it but this message still shows up. [Click here to get the extension](#)

Testing sign in

Test the single sign-on configuration for Volt-LoT-Provisioning by signing in here. Ensure that you have configured both the Azure Active Directory configuration and Volt-LoT-Provisioning itself.

Select a way to test sign in:

☒ Sign in as current user

☐ Sign in as someone else (requires browser extension)

[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-b711-470e-a010-2786a32f1900
Correlation id: Saa879f5-d8f1-482a-a405-f993d9f4c80
Timestamp: 2018-03-06T23:34:10Z
Message: Error AADSTSXXXXX

[Get resolution guidance](#)

21. You will be prompted towards **Service Provider** flow and your user be authenticated via **Azure AD**.

- You have to login with same email address on Volt-IoT Azure AD app before you can test and enable it.

22. Upon successful test, it will enable the **Single Sign-on** feature for your **Organization**

Note

- Please connect with support@voltiot.cloud for any escalations support.