



MobileIron Access Cookbook

Access with G Suite and Microsoft ADFS

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Overview

SAML provides single sign-on capability for users accessing their services hosted in a cloud environment. Generally, a service provider such as G Suite is federated with an identity provider such as Microsoft ADFS for authentication. The user gets authentication from ADFS and obtains a SAML token for accessing applications in a cloud environment, such as G Suite.

This guide serves as step-by-step configuration manual for users using ADFS as an authentication provider with G Suite in a cloud environment.

Prerequisites

Verify that you have the following components in your environment:

- ADFS version 3.0
- **G Suite (SP) Metadata Files**
Entity ID: google.com/a/<domain_name>
Assertion Consumer Service URL: https://www.google.com/a/<domain_name>/acs
- **ADFS (IDP) Metadata Files**
You must download the ADFS metadata files for ADFS (IdP)
 - Download ADFS metadata file from <https://<ADFS Server FQDN>/FederationMetadata/2007-06/FederationMetadata.xml>



Configuring G Suite and Microsoft ADFS with MobileIron Access

You must perform the following tasks to accomplish the configuration between G Suite and ADFS:

- [Configure Access to Create a Federated Pair](#)
- [Configure the G Suite environment](#)
- [Configure the ADFS environment](#)
- [Configure G Suite to point to Access IdP Sentry](#)
- [Configure ADFS to point to Access SP Sentry](#)
- [Register Sentry to Access](#)

[Configure Access to Create a Federated Pair](#)

You must configure Access to select your service provider and the identity provider. You can apply the configuration settings for the service provider and the identity provider. It creates a federated pair.

Procedure

1. In Access, click **Profiles > Get Started**.
2. Enter the Access host information and upload the ACCESS SSL Certificate. Use the default values for the other fields. Click **Save**.
3. Click **Profiles > Federated Pair > Add New Pair**.
4. Select **G Suite** option under the **Choose Service Provider**.
5. Enter the following details:
 - Name for the Federated Pair
 - Description
 - Select SP Proxy Signing Certificate
 - Select **Add Metadata**
 - **Entity ID:** [google.com/a/<domain_name>](https://www.google.com/a/<domain_name>)
 - **Assertion Consumer Service URL:** https://www.google.com/a/<domain_name>/acs
 - (Optional): Select **Use Tunnel Certificates for SSO** for users to be authenticated automatically. This leverages the user's authentication in the MobileIron Tunnel VPN. See *Appendix* in the *MobileIron Access Guide* at <https://support.mobileiron.com/docs/current/accs>.
6. Click **Next**.
7. Select **Microsoft ADFS** as the Identity Provider.
8. Upload the metadata file that you downloaded in the [Prerequisites](#) section.
9. Click **Done**.
10. Download the **Access SP Metadata (Upload to IDP)** and **ACCESS IDP Metadata (Upload to SP)** metadata files.



11. Click **Publish** to publish the profile.

[Configure the G Suite environment](#)

You must configure G Suite to use ADFS natively.

Prerequisites

Verify that you have downloaded the ADFS IdP certificate. This is required to upload to Google service provider.

Procedure

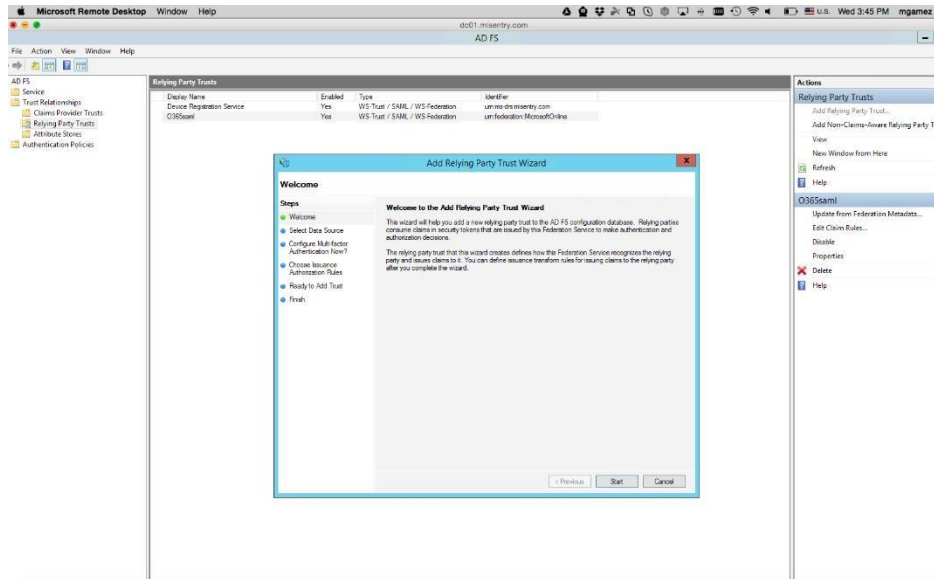
1. Login to the G Suite admin portal with admin credentials.
2. On the **Security** tab, **Setup SSO with third party identity provider**.
 - Enter the **Sign-in page URL**: https://<adfs_domain_name>/adfs/ls
 - Enter the **Sign-out page URL**: https://<adfs_domain_name>/adfs/ls
 - (Optional) Enter the **Change password URL**.
 - Upload ADFS IDP certificate file.
3. Click **Done**.

[Configure the ADFS environment](#)

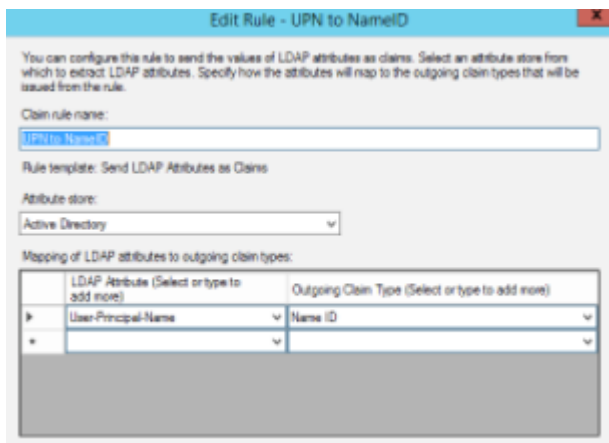
You must configure the identity provider with the service provider metadata file. This builds the trust relationship with the service provider.

Procedure

1. Use Remote Desktop services to log into an ADFS machine with Admin credentials.
2. Click **Start** > **Administrative tools** > **ADFS Management** > Expand **Trust Relationships**.
3. Click **Relying Party Trust**. In the right-hand pane, under the **Actions** section click **Add Relying Party Trust** and follow the prompts. Click **Start**.



4. **Select Data Source > Enter data about the relaying party manually.** Click **Next**.
5. Enter the **Display name** and click **Next**.
6. Select **ADFS profile** and click **Next**.
7. Click **Browse** to configure the certificate and click **Next**.
8. Select the **Enable support for SAML 2.0 Web SSO protocol** option.
9. Enter the following URL in the **Replying party SAML 2.0 SSO service URL** and click **Next**.
https://www.google.com/a/<domain_name>/acs
10. Enter the **Relaying party trust identifier** – `google.com/a/<domain_name>` and Click **Add**.
11. Select **I do not want to configure multi-factor authentication settings for this relaying party trust at this time** and click **Next**.
12. Select **Permit all users to access this relaying party** and click **Next**.
13. At the end, select **Open Edit Claim rules dialog for relaying party trust**.
14. In the **Claim Rule Template** drop-down list, select **Send LDAP Attributes as Claims** and click **Next**.
15. Configure **Claim rules** as follows:





- In the **Claim Rule Template** drop-down, select **Send LDAP Attributes as Claims** and click **Next**.
- Configure **Claim rules** as follows:

LDAP Attribute (Select or type to add more)	Outgoing Claim Type (Select or type to add more)
User-Principal-Name	Name ID
+	

- Click **Apply > OK**.

Register Sentry to Access

You must register Sentry to Access to fetch the latest configuration from Access.

Prerequisite

Verify that you have registered Sentry earlier. If so, then do not perform this step.

Procedure

- Clish** Sentry. In the configuration mode, execute the following command for registration.
(config)#accs registration https://<FQDN of Access server><Admin Username of Access Server>
- Enter the **Tenant password** and complete the registration.
- In **Access**, click the **Sentry** tab.
- Select the appropriate Sentry instance, then click **Action > Assign**.
- Click **OK**.
- Clish** Sentry and execute the following command in configuration mode to fetch the latest configuration from Access immediately:

(config)# accs config-fetch update

Note: All the published configuration changes are fetched by Sentry assigned to the profile in fifteen minutes. However, if you want to see the changes immediately, then perform Step 6.



Task Result

Single-sign-on service is now configured using SAML with G Suite as the service provider and Microsoft ADFS as the identity provider. This configuration lets you fetch the latest configuration from Access.

You must verify SSO access to G Suite using a browser.

- Open a browser and go to docs.google.com or drive.google.com. Log in with a user that exists in both the Active Directory and Google Domain. The browser must be redirected to the ADFS login page.
- Enter the user credentials. The browser must be redirected to G Suite.



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