MobileIron Access Cookbook

Access with G Suite and Pingone

07 February 2018

Contents

Overview

SAML provides single sign-on service 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 Pingone for authentication. The user gets authenticated by Pingone 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 Pingone as an authentication provider with G Suite in a cloud environment.

Disclaimer:
This cookbook is informational to help with the setup flow and actual screenshots. The steps might vary in your deployment scenario due to changes in SP/IdP versions.

Prerequisites

- Ensure that you have a working setup of the G Suite and Pingone pair without MobileIron Access.

- **Metadata files for G Suite**
  1. **Entity ID**: google.com/a/<domain name>
  2. **Assertion Consumer Service URL**: https://google.com/a/<domain name>/acs

- **Metadata files and configuration for Pingone**
  1. Login to Pingone with admin credentials.
  2. Click **Applications** > **G Suite** > scroll-down and download the **SAML metadata**.

Configuring G Suite and Pingone with MobileIron Access

You must perform the following tasks to configure G Suite and Pingone with MobileIron Access:

Registering 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

1. **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>
2. Enter the **Tenant password** and complete the registration.
3. In **Access**, click the **Sentry** tab.
4. Select the appropriate Sentry instance, then click **Action** > **Assign**.
5. Click **OK**.
6. **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.

Configuring Access to create a Federated Pair

You must configure Access to create a federated pair.

Prerequisites

Verify that you have configured G Suite and Pingone natively. See Prerequisites.

Procedure

1. Log in to **Access**.
2. Click **Profile** > **Get Started**.
3. Enter the Access host information, and upload the **ACCESS SSL certificate** in p12 format. All the other fields are set to default. Click **Save**.
4. On the **Federated Pairs** tab, click **Add New Pair** and select **G Suite** as the service provider.
5. Enter the following details:
    a. Name
    b. Description
    c. Upload the Access Signing Certificate or click **Advanced Options** to create a new certificate.
    d. Click **Add Metadata** and enter the **Entity ID** and **Assertion Consumer Service URL**. See Prerequisites.
    Entity ID: https://google.com/a/<domain_name>
    Assertion Consumer Service URL:
    https://www.google.com/a/domain_name/acs
    e. (Optional) Select *Use Tunnel Certificates for SSO* to configure Cert SSO on MobileIron Core. See *Appendix* in the *MobileIron Access Guide* at https://support.mobileiron.com/docs/current/accs/
6. Click **Next**.
7. Select **Pingone** as the Identity provider. Click **Next**.
8. Select the **Access Signing Certificate** or click **Advanced options** to create a new certificate.
9. Upload the IdP metadata file that you downloaded. See Prerequisites. Click **Done**.
10. Download the **ACCESS SP Metadata (Upload to IDP)** and the **ACCESS IDP Metadata (Upload to SP)** files from the federated pair page.
11. On the **Profile** tab, click **Publish** to publish the profile.

Configuring G Suite with MobileIron Access

You must configure G Suite to use with Access.

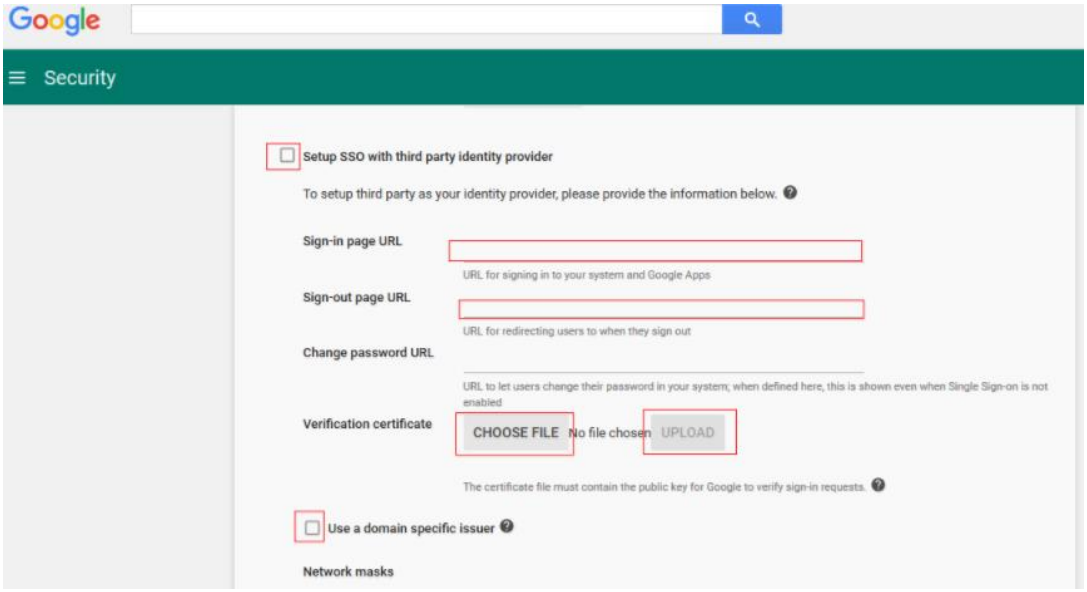
Prerequisites

- Verify that you have created a federated pair with Google Suite and Pingone.
- Verify that you have configured G Suite and Pingone natively.

Procedure

1. Login to the G Suite domain with admin credentials.
2. Click **Security**, and select **Single Sign-On Settings**.
3. Enter the following information from the certificate available in **Step 10** of Configuring Access to create a Federated Pair:
    a. **Sign-in page URL**: <Entity ID >
    b. **Sign-out page URL**: <Entity ID >
    c. **Change password URL**

d. **Verification certificate**



4. Click **Save**.

Configuring Pingone with MobileIron Access

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

Procedure

1. Login to Pingone with admin credentials.
2. Click **My Applications** and select **G Suite** application.
3. Click **Edit** > **Continue to Next Step**.
4. Upload the **Access SP Metadata (Upload to IDP)** metadata file downloaded in **Step 10** of Configuring Access to create a Federated Pair.
5. Click **Continue to Next Step** > **Save** > **Publish**.
6. Click **Finish**.

Verification

1. Register a device to Core.
2. Download G Suite application from App Store.
3. Opening this application triggers the per-app-vpn.
4. Verify that SAML SSO is working.