Use SAML proxy to secure a single SaaS Application in Okta

Use a SAML proxy technique in Okta to enforce device posture checks on specific SaaS applications

Updated on 15 minutes to read Contributors 

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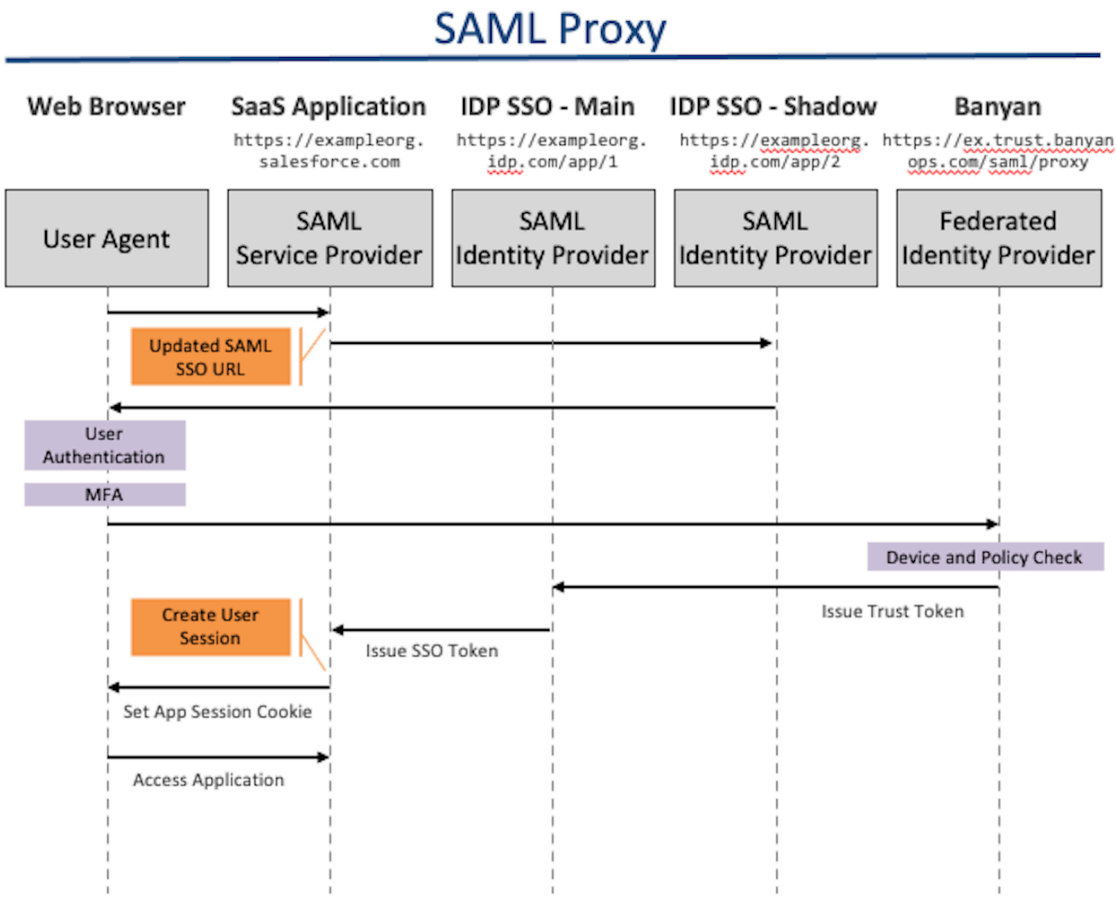
Overview

This guide details the steps required to use SonicWall Cloud Secure Edge (CSE) **SAML Proxy** to secure a single Okta SaaS application. These steps cover securing IDP initiated as well as SP initiated flows for an application.

How It Works



Prerequisites

Before proceeding through the Steps sections below, please ensure you have:

- Configure Okta for CSE Service Access to create a directory of users for accessing Banyan services
- Configure Okta for CSE Device Registration to enable device registration with Okta

Steps

1. Create a SaaS application in the Cloud Secure Edge (CSE)

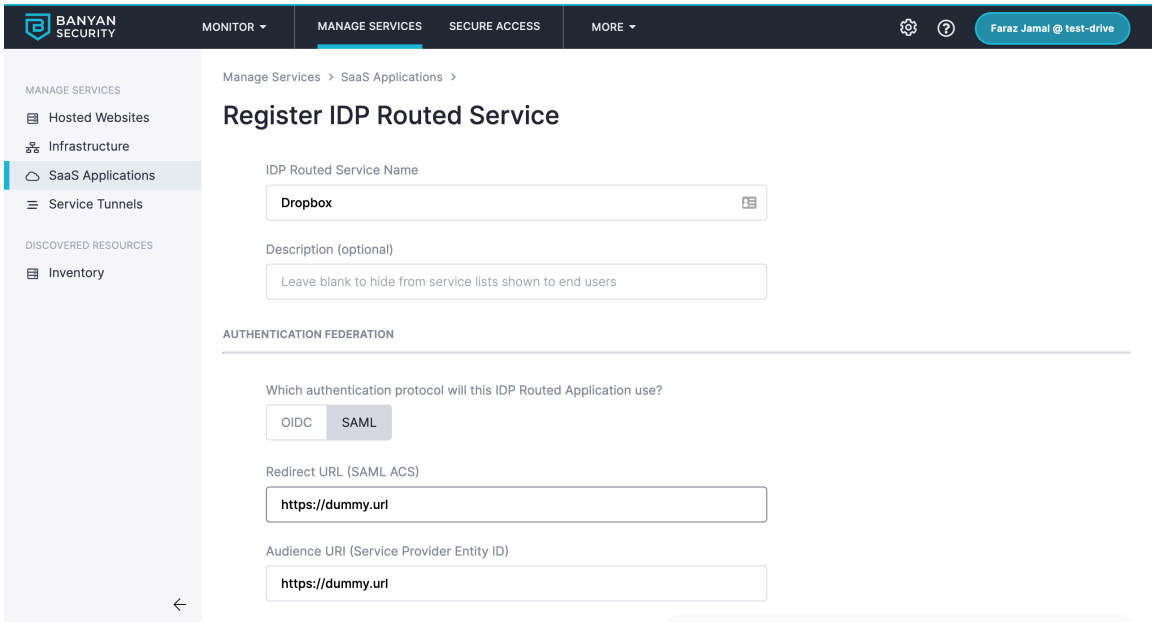
1.1 In the Command Center, navigate from **Manage Services** > **SaaS Applications**, then select **+ Publish SaaS Application**.

1.2 Select **IDP Routed**.

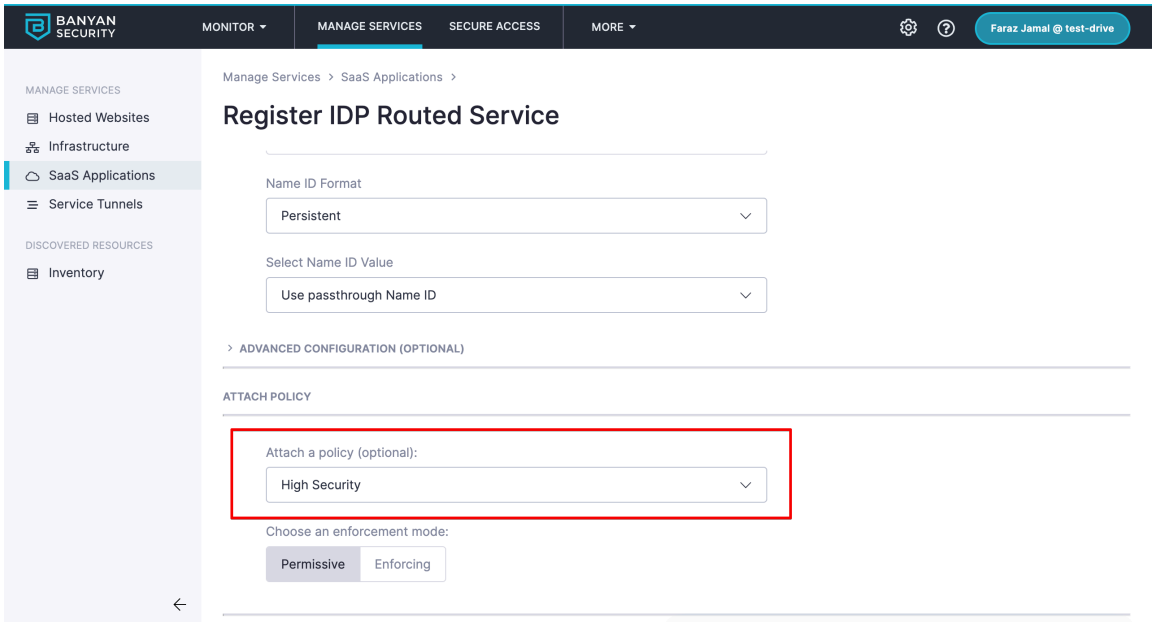
1.3 In the **IDP Routed Service Name** field, enter your service name (e.g., the name of your app).

1.4 Under **Authentication Federation**, select **SAML** as your authentication protocol.

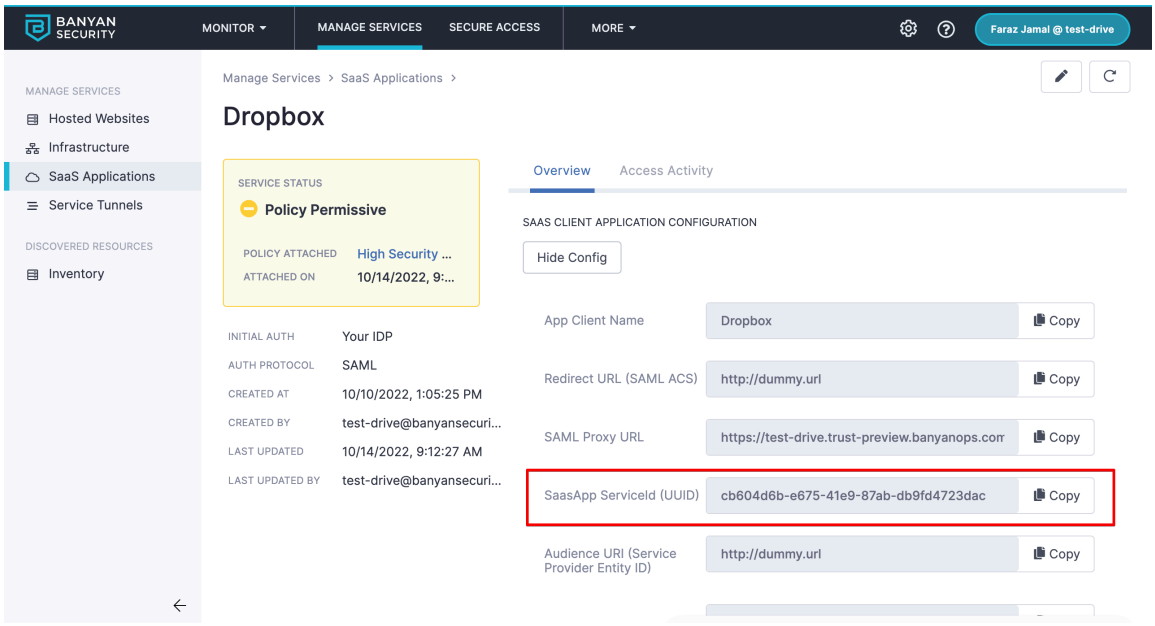
1.5 Enter any placeholder text **Redirect URL** and **Audience URI** (e.g., https://dummy.url).



1.6 Attach a **Policy** of your choice (e.g., **High Security**).



1.7 Select **Register** and then **Continue**. Take note of the **SaaSApp Service ID** as you will need that in a later step.

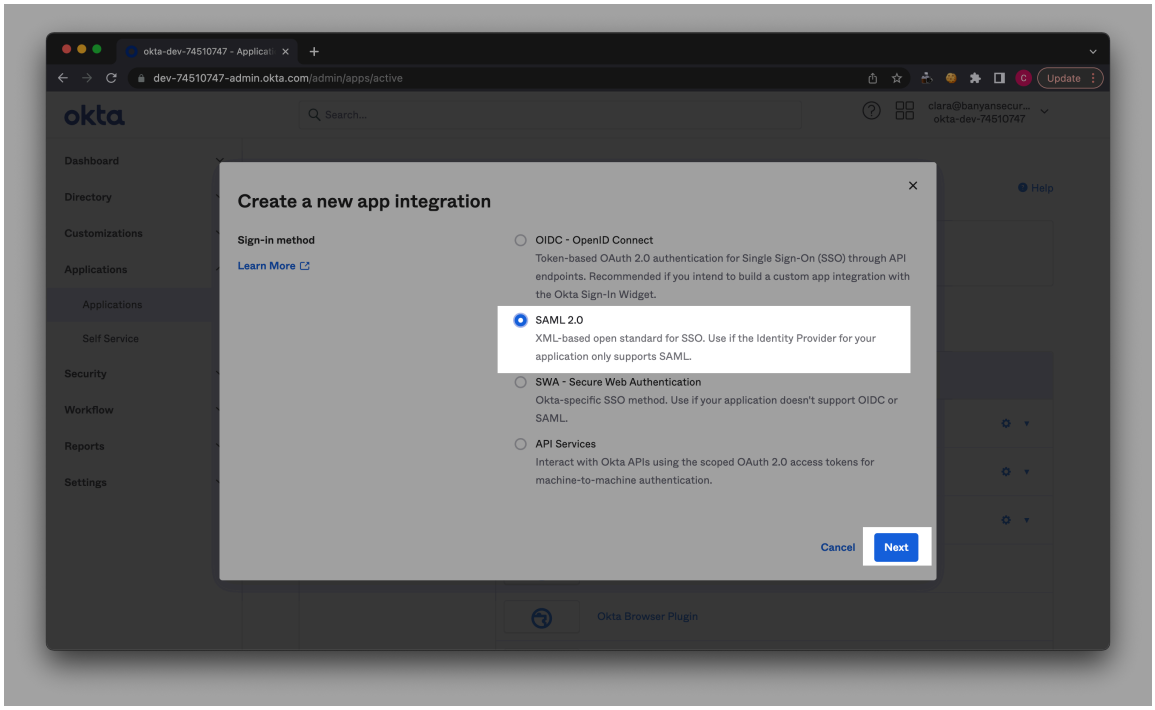


2. Create a Shadow Application for IDP Initiated SSO

The shadow application will show up in the Okta catalog and ensure that a CSE device trust check is complete regardless of an existing Okta session. For these steps, we will use Dropbox as the example SaaS application.

2.1 In Okta, navigate from **Applications** > **Applications**.

2.2 Select **Create App Integration** and choose **SAML 2.0**.



2.3 In **General Settings**, name your app (e.g., Dropbox) and upload the relevant app logo.

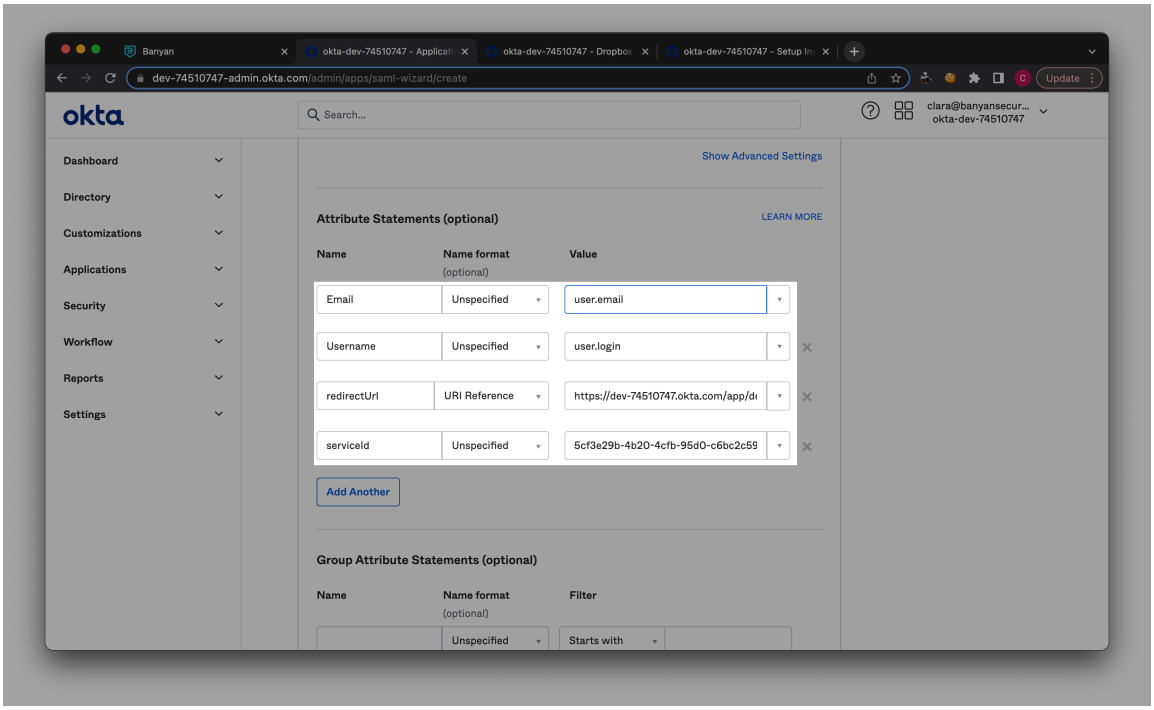
2.4 In the **Configure SAML** section, set the following configurations:

- **Single sign on URL** : https://{ORGNAME}.trust.banyanops.com/v2/saml/proxy

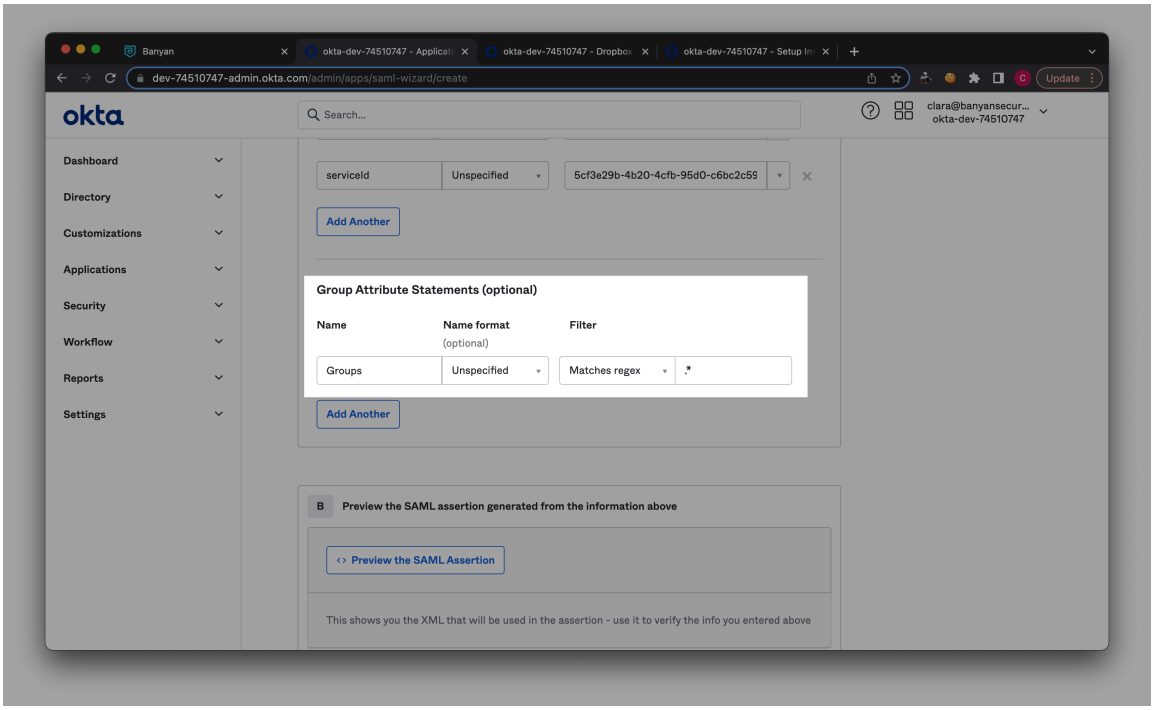
- **Audience URI** : https://{ORGNAME}.trust.banyanops.com/v2/saml/proxy

2.5 Set the following **Attribute Statements**:

- Email: **user.email**
- Username: **user.login**
- redirectUrl: Fetch SSO URL from your main SaaS app (e.g., Dropbox).
- serviceid: Copy **Saas App Service ID** from your newly published SaaS app's service spec in CSE, and paste in adjacent field.



2.6 In **Group Attributes Statements**, enter 'Groups' under **Name**, and select **Matches regex** as the **Filter**. Then add ' .* ' in the field adjacent to the **Filter**.

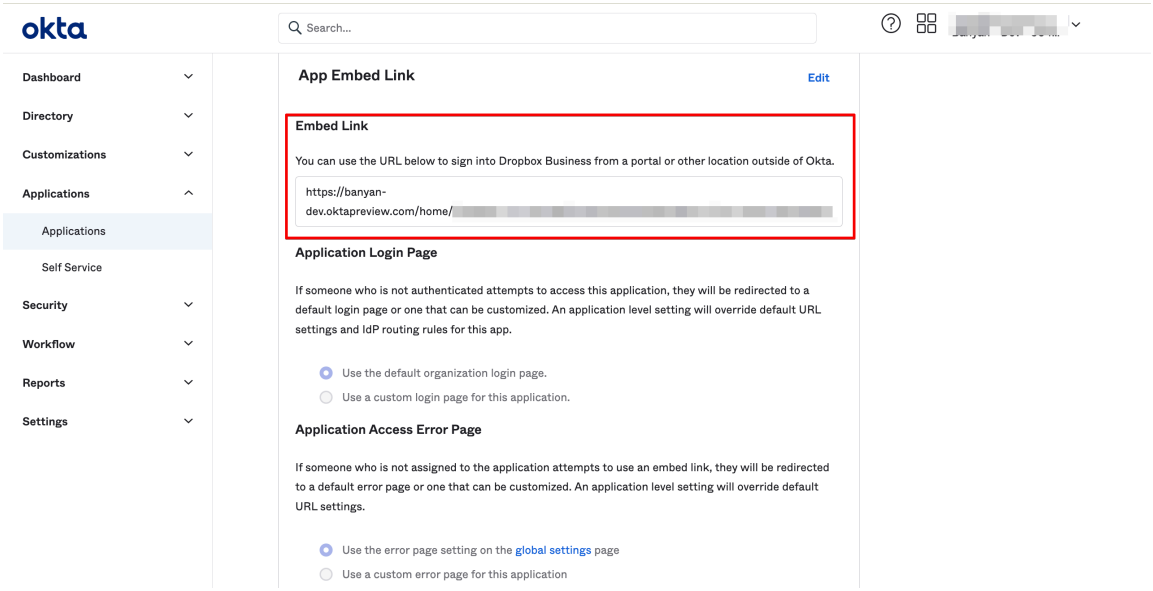


2.7 Select **Next** -> **I'm an Okta customer adding an internal app** -> **Finish**

3. Setup Application's SP-Initiated Authentication with CSE

This step is to ensure SP-initiated flows get routed to CSE post authentication with Okta.

3.1 Obtain the Single Sign-On URL from the Shadow App



3.2 Replace the Identity Provider Single Sign-in URL from the original SaaS App with the SSO URL from the Shadow App

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CLOUD SECURE EDGE

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