



ComponentSpace

SAML for ASP.NET

Google

Identity Provider

Integration Guide

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Introduction

This document describes integration with Google as the identity provider.

For information on configuring Google for SAML SSO, refer to the following articles.

<https://support.google.com/a/answer/6087519>

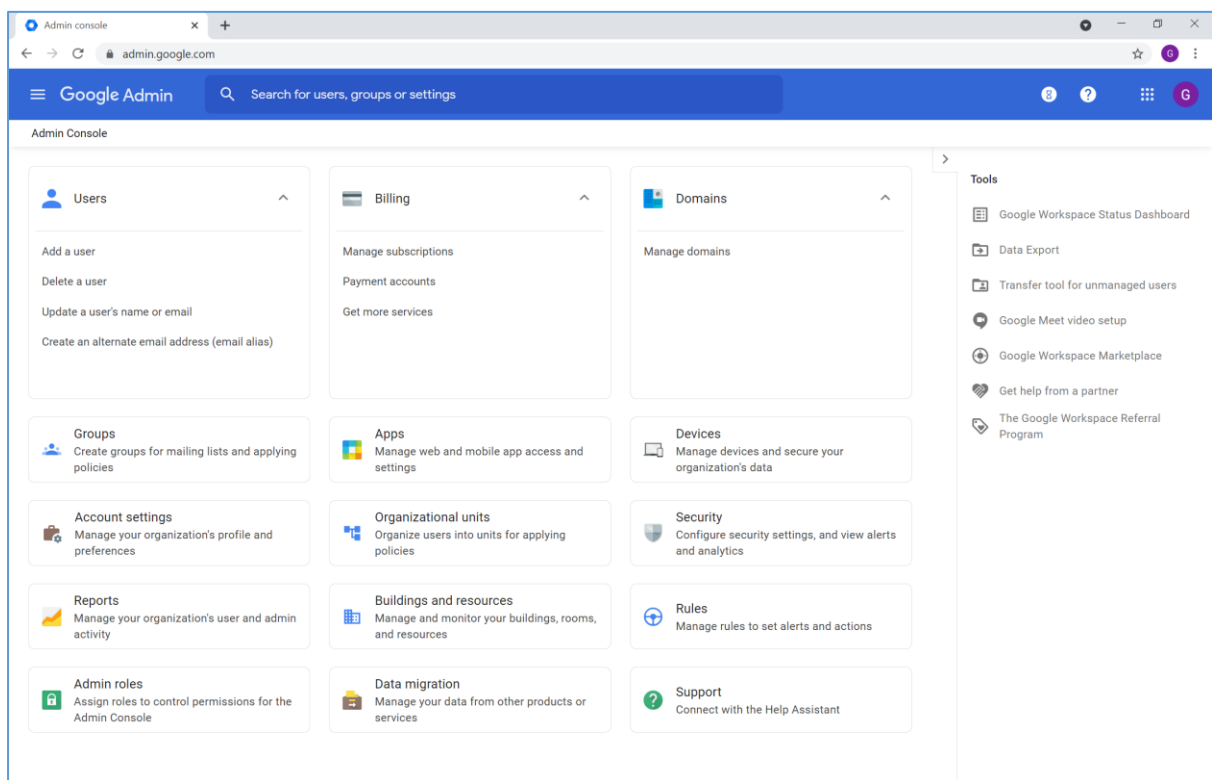
<https://support.google.com/a/answer/2463723>

Adding a SAML Application

Log into Google as an administrator.

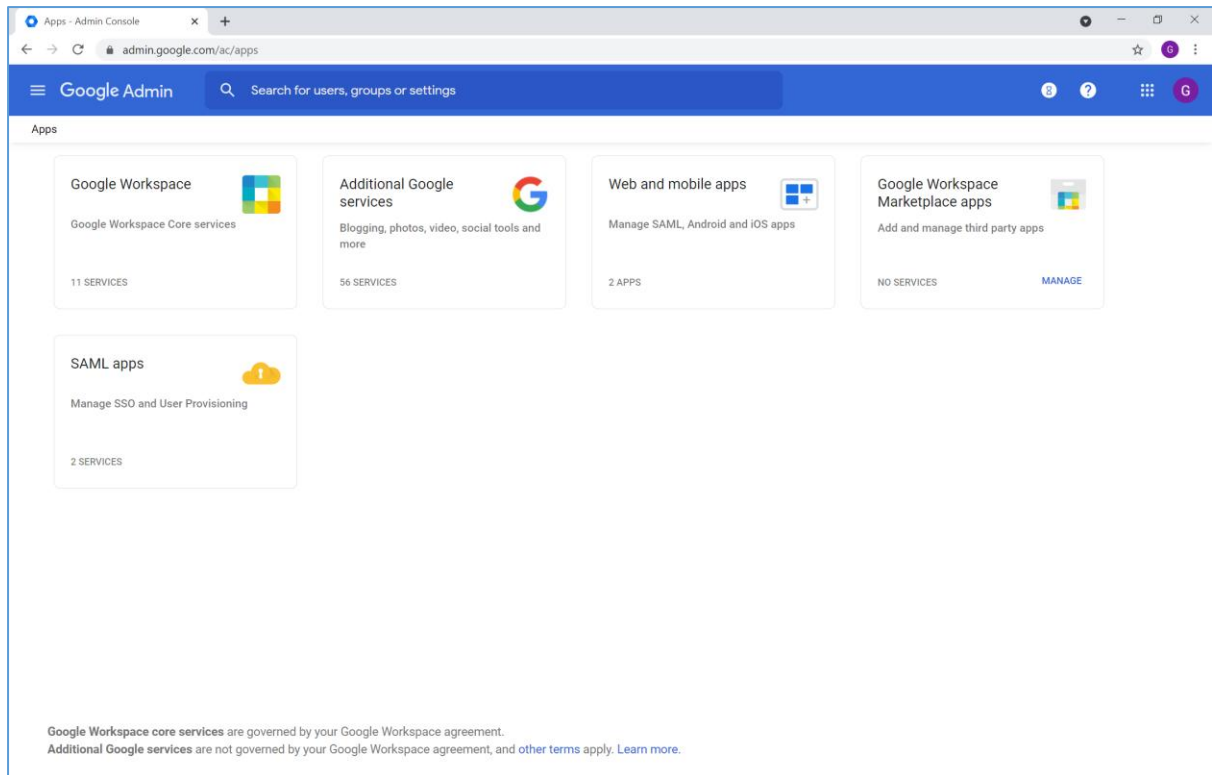
<https://admin.google.com/>

Select Apps.



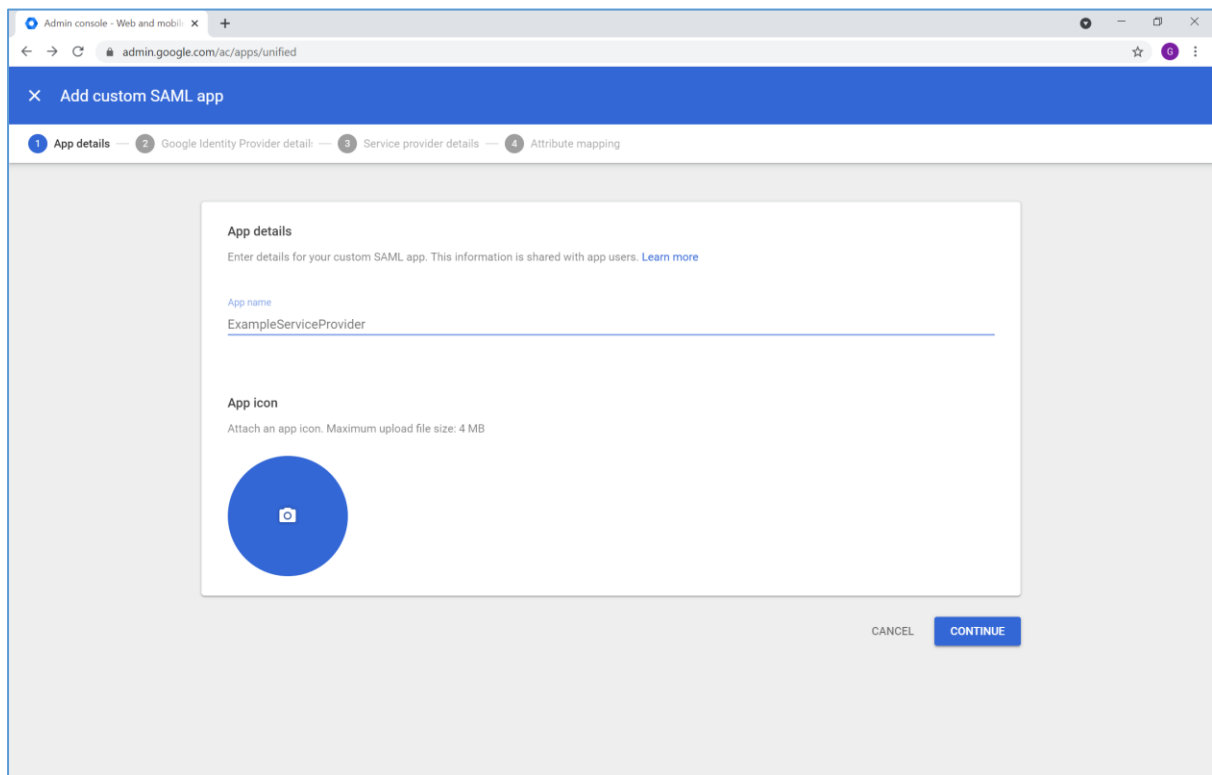
Select SAML apps.

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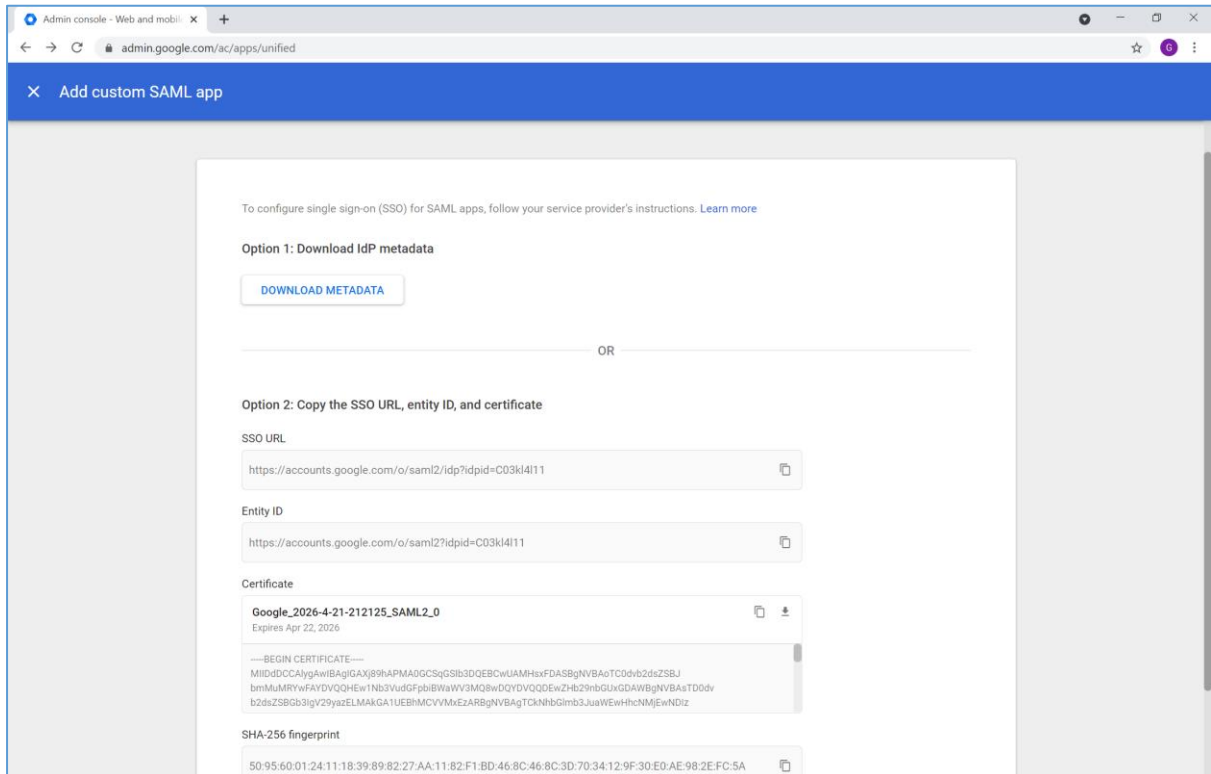


Click Add App > Add custom SAML app.

Specify an application name. This is for display purposes only.



Download the IdP metadata or take note of the configuration settings. This is used to configure the service provider.



Specify the service provider details.

The assertion consumer service URL is where the SAML response is received.

For example:

<https://127.0.0.1:44360/SAML/AssertionConsumerService>

Note that Google doesn't permit localhost URLs.

The entity ID is the service provider name.

For example:

<https://ExampleServiceProvider>

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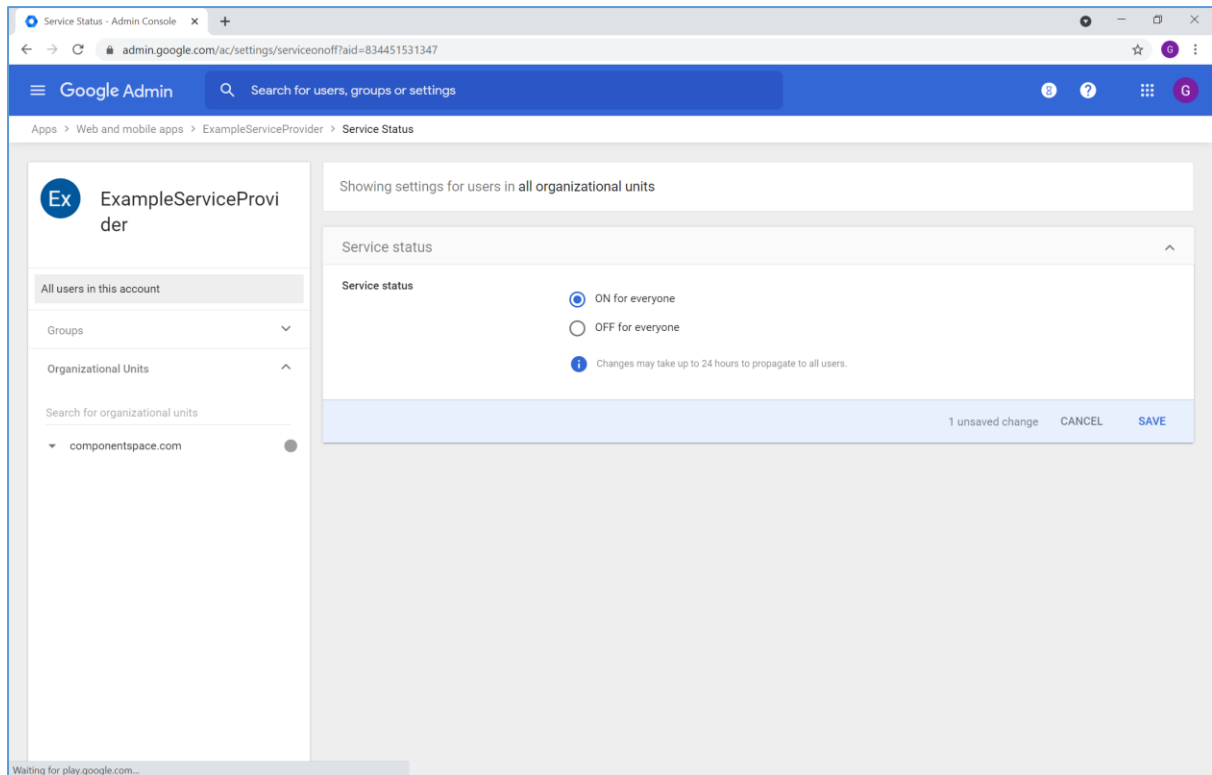
The screenshot shows the 'Add custom SAML app' page in the Google Admin console. The page has a blue header with the title 'Add custom SAML app'. Below the header, there is a white box titled 'Service provider details'. Inside this box, there is a sub-header 'Service provider details' followed by a description: 'To configure single sign on, add service provider details such as ACS URL and entity ID. [Learn more](#)'. Below this, there are three input fields: 'ACS URL' with the value 'https://127.0.0.1:44360/SAML/AssertionConsumerService', 'Entity ID' with the value 'https://ExampleServiceProvider', and 'Start URL (optional)' which is empty. Below the 'Start URL' field, there is a checkbox labeled 'Signed response' which is unchecked. Below these fields, there is a section titled 'Name ID' with a description: 'Defines the naming format supported by the identity provider. [Learn more](#)'. Below this, there are two dropdown menus: 'Name ID format' with the value 'UNSPECIFIED' and 'Name ID' with the value 'Basic Information > Primary email'. At the bottom of the white box, there are three buttons: 'BACK', 'CANCEL', and 'CONTINUE'.

Attribute mappings may be specified if required.

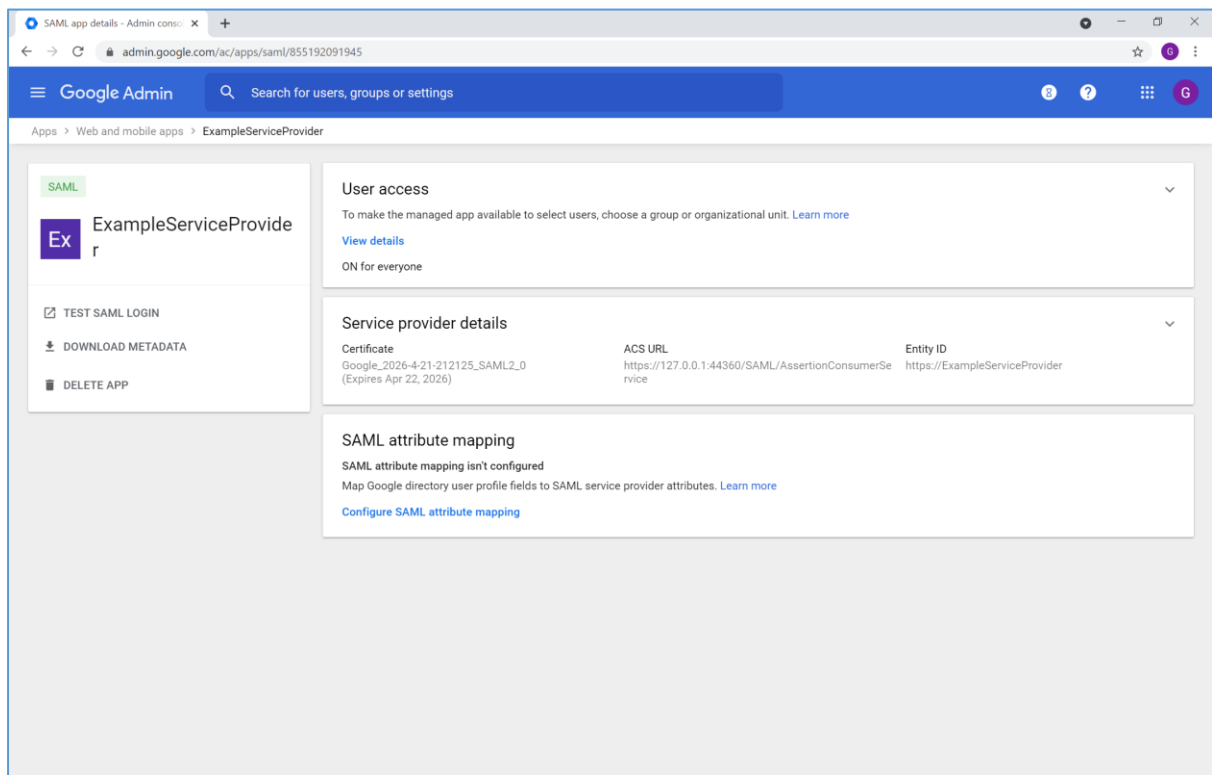
The screenshot shows the 'Add custom SAML app' page in the Google Admin console, specifically the 'Attribute mapping' section. The page has a blue header with the title 'Add custom SAML app'. Below the header, there is a progress bar with four steps: 'App details', 'Google Identity Provider details', 'Service provider details', and 'Attribute mapping' (which is the current step and is highlighted with a blue circle). Below the progress bar, there is a white box titled 'Attributes'. Inside this box, there is a sub-header 'Attributes' followed by a description: 'Add and select user fields in Google Directory, then map them to service provider attributes. Attributes marked with * are mandatory. [Learn more](#)'. Below this, there are two columns: 'Google Directory attributes' and 'App attributes'. Below these columns, there is a button labeled 'ADD MAPPING'. At the bottom of the white box, there are three buttons: 'BACK', 'CANCEL', and 'FINISH'.

Ensure the application is turned on for everyone.

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The SAML configuration is complete.



Service Provider Configuration

The following partner identity provider configuration is included in the example service provider's SAML configuration.

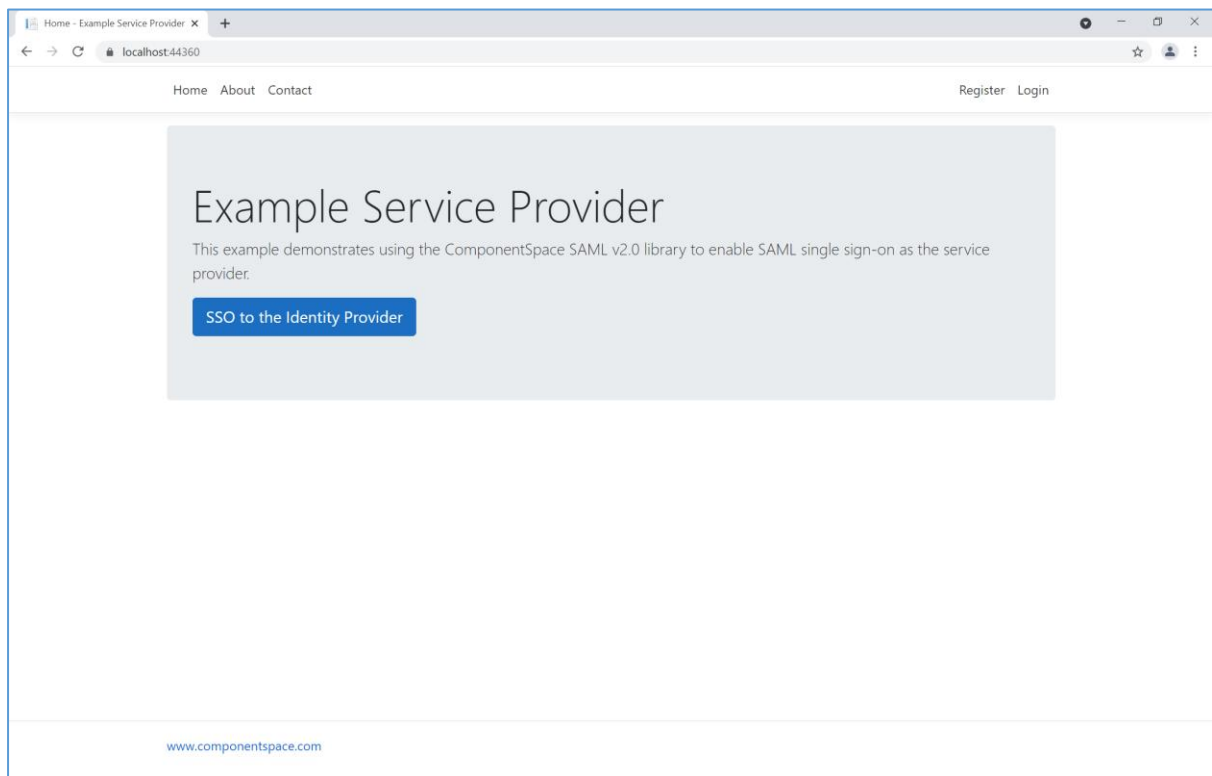
```
<PartnerIdentityProvider
  Name="https://accounts.google.com/o/saml2?idpid=C03kl4l11"
  Description="Google"
  SingleSignOnServiceUrl="https://accounts.google.com/o/saml2/idp?idpid=C03kl4l11">
  <PartnerCertificates>
    <Certificate FileName="Certificates\google.cer"/>
  </PartnerCertificates>
</PartnerIdentityProvider>
```

Ensure the PartnerName specifies the correct partner identity provider.

```
<add key="PartnerIdP" value="https://accounts.google.com/o/saml2?idpid=C03kl4l11"/>
```

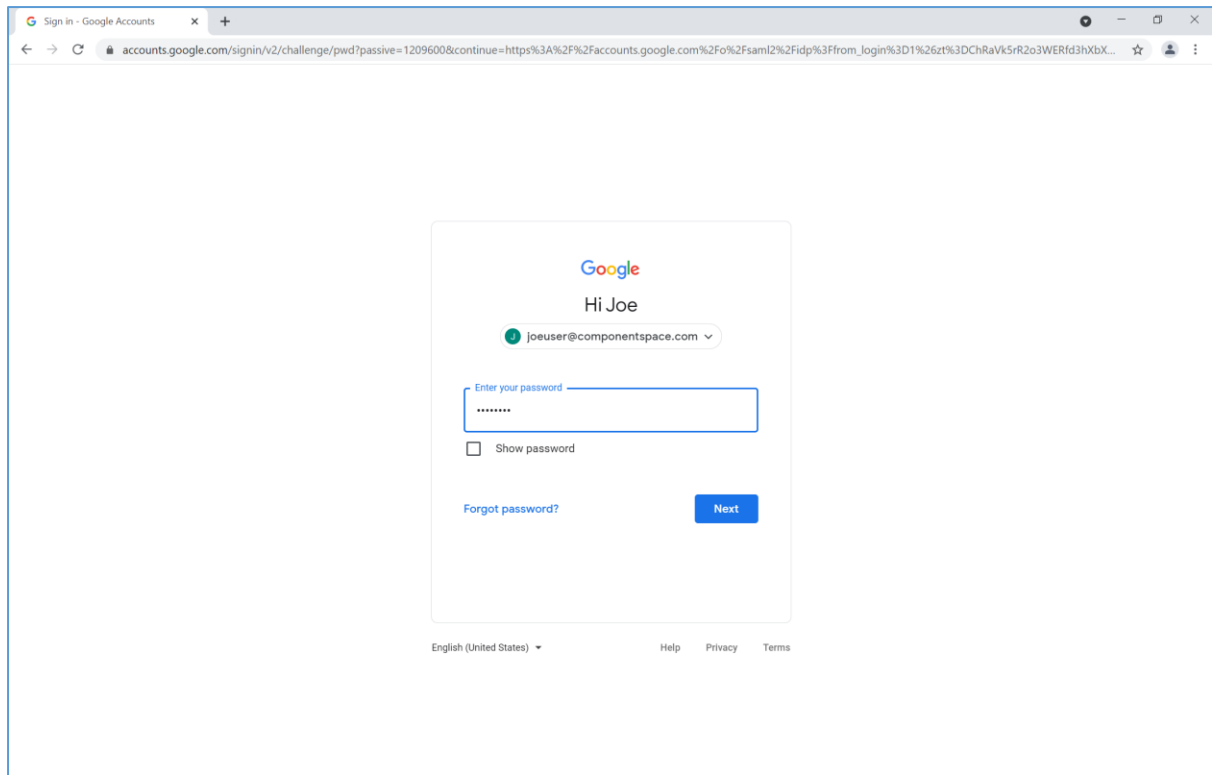
SP-Initiated SSO

Browse to the example service provider and click the button to SSO to the identity provider.

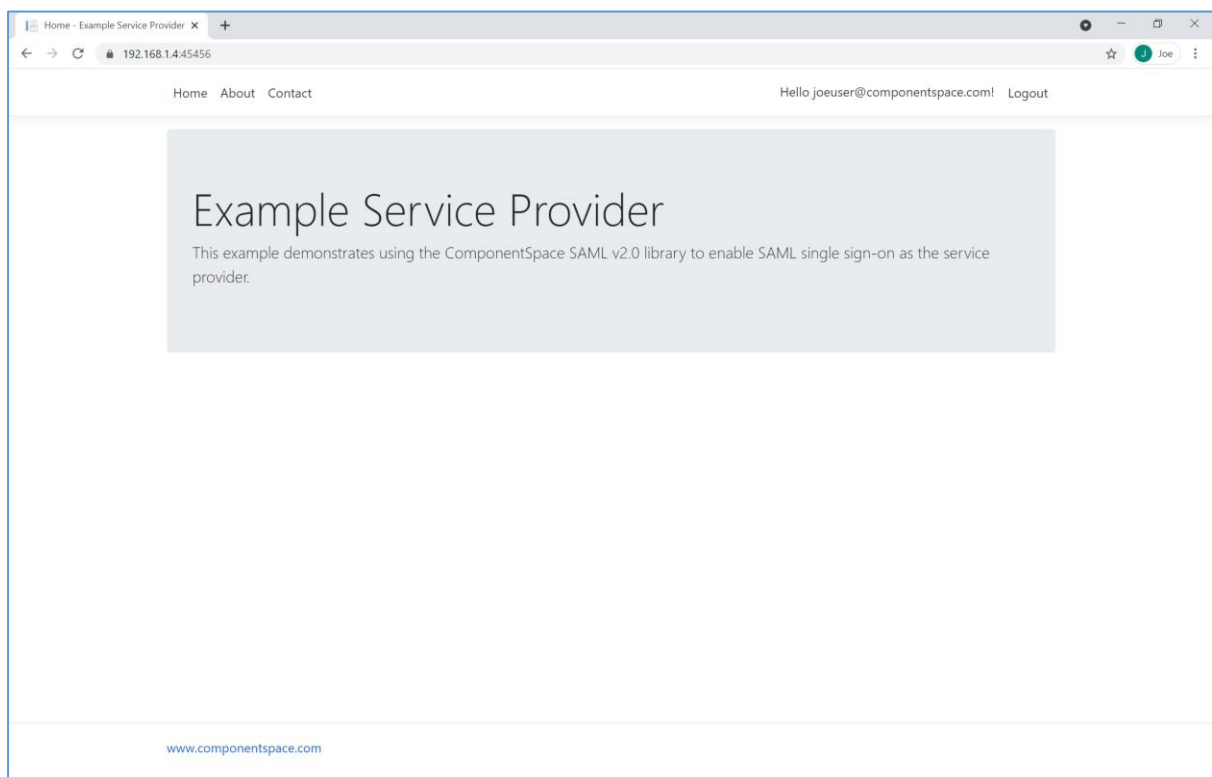


Log into Google.

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The user is automatically logged in at the service provider.



IdP-Initiated SSO

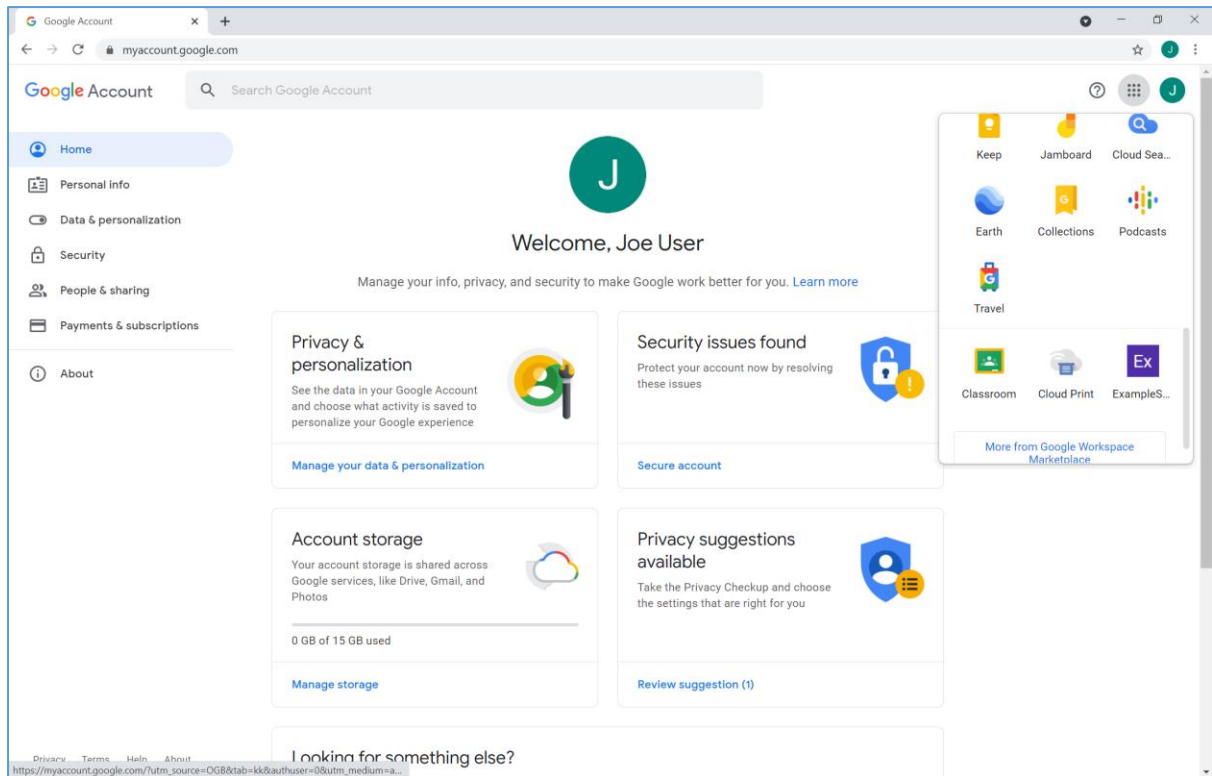
Browse to Google and login.

For example:

<https://myaccount.google.com>

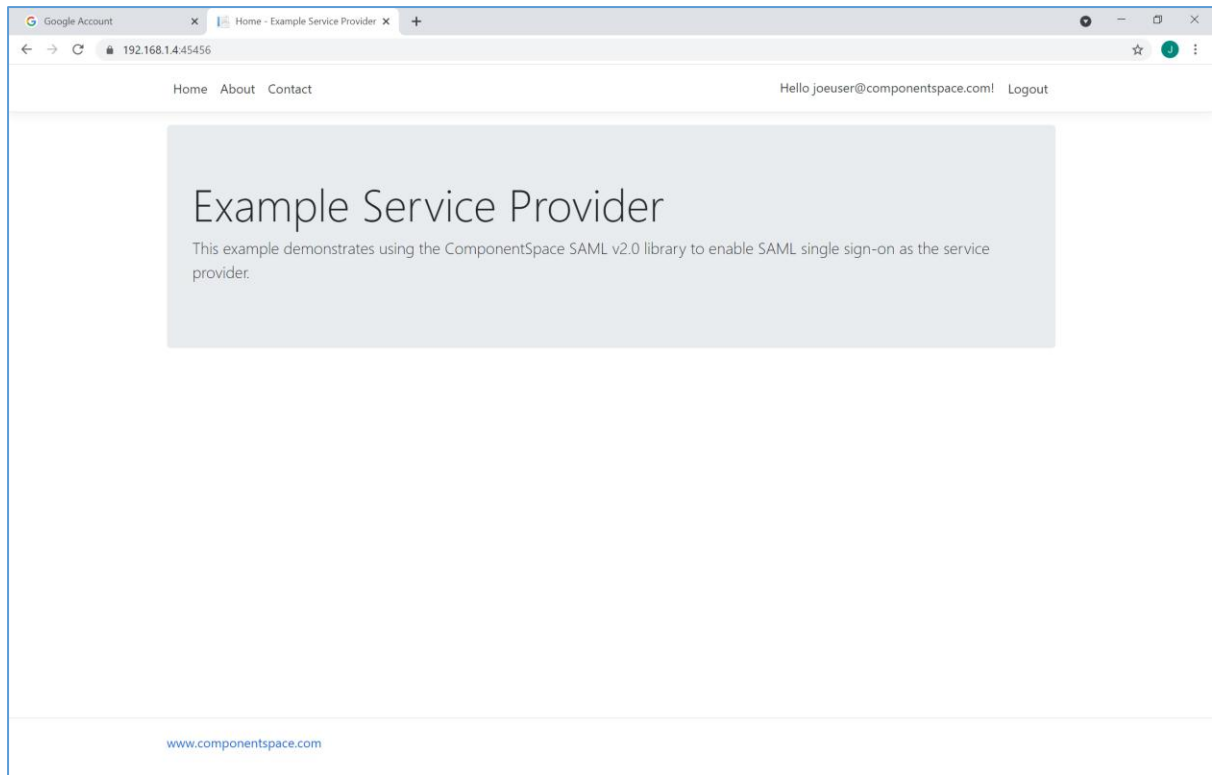
Click the Apps button to show the applications.

Select the example service provider.



The user is automatically logged in at the service provider.

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SAML Logout

Google doesn't support SAML logout.