

ComponentSpace
SAML for ASP.NET Core
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>

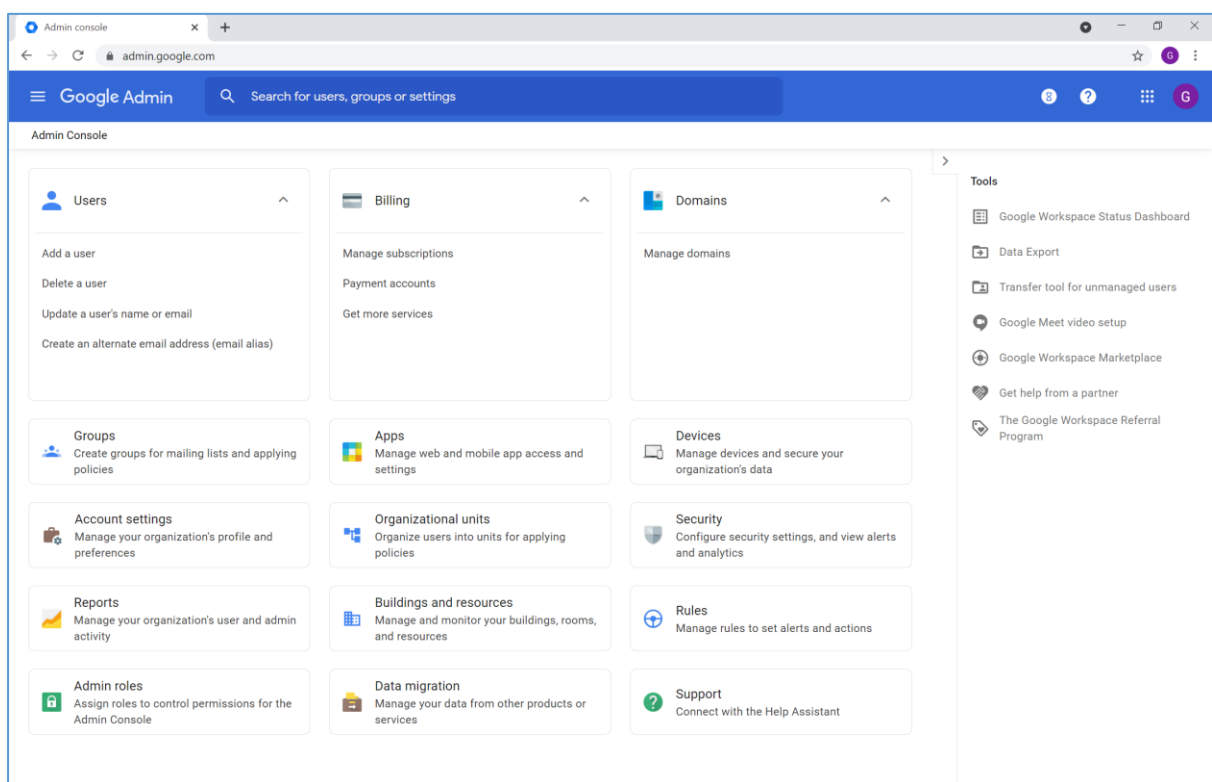
<https://support.google.com/a/answer/2463723>

Adding a SAML Application

Log into Google as an administrator.

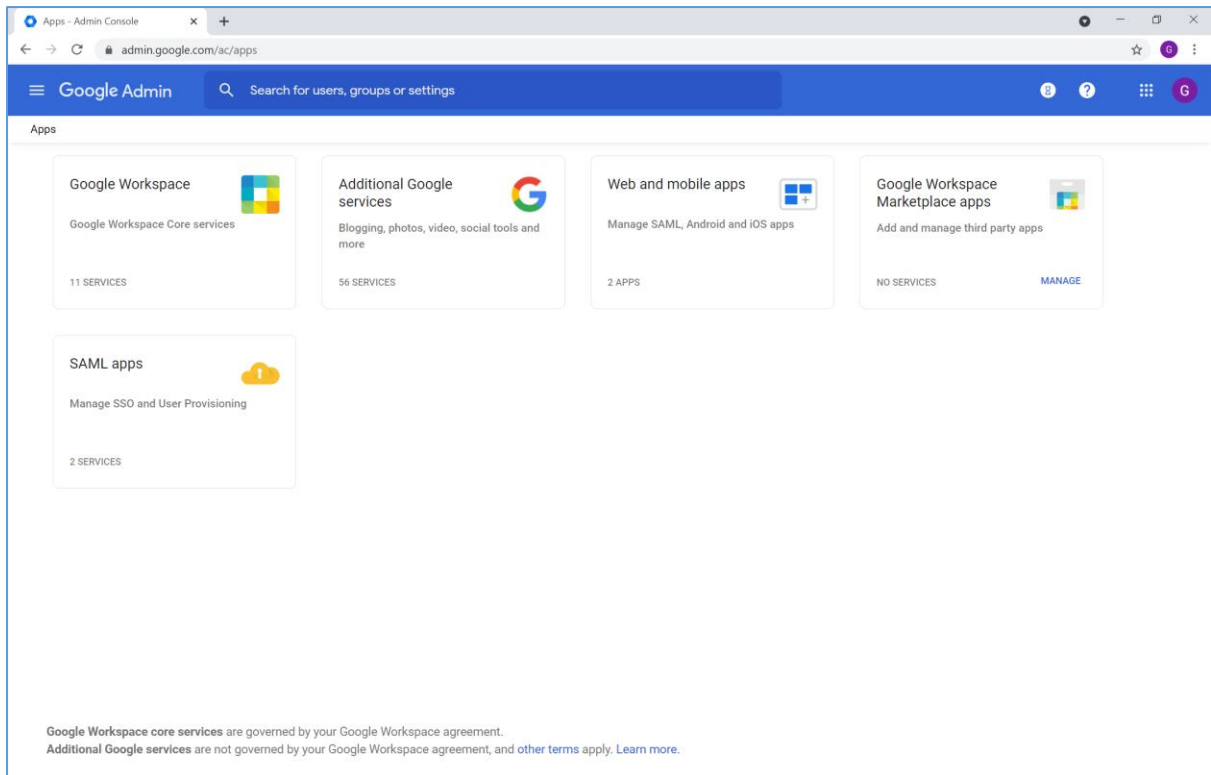
<https://admin.google.com/>

Select Apps.



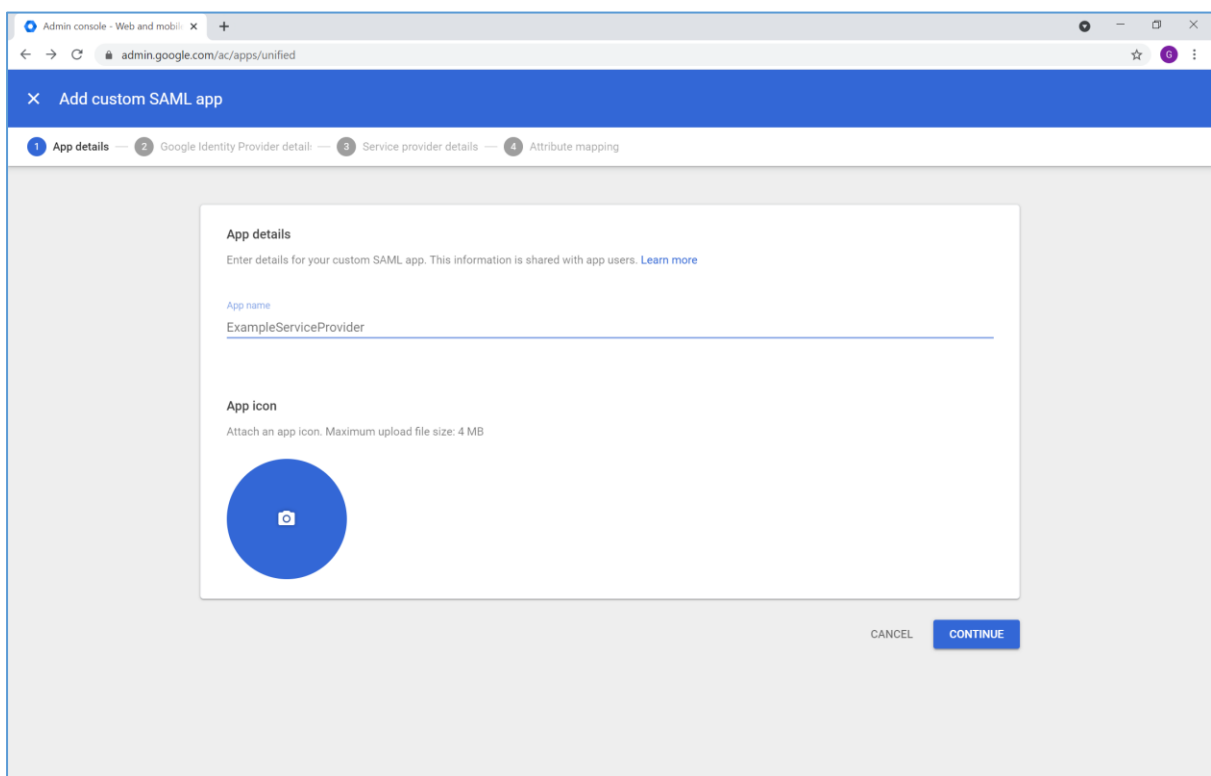
Select SAML apps.

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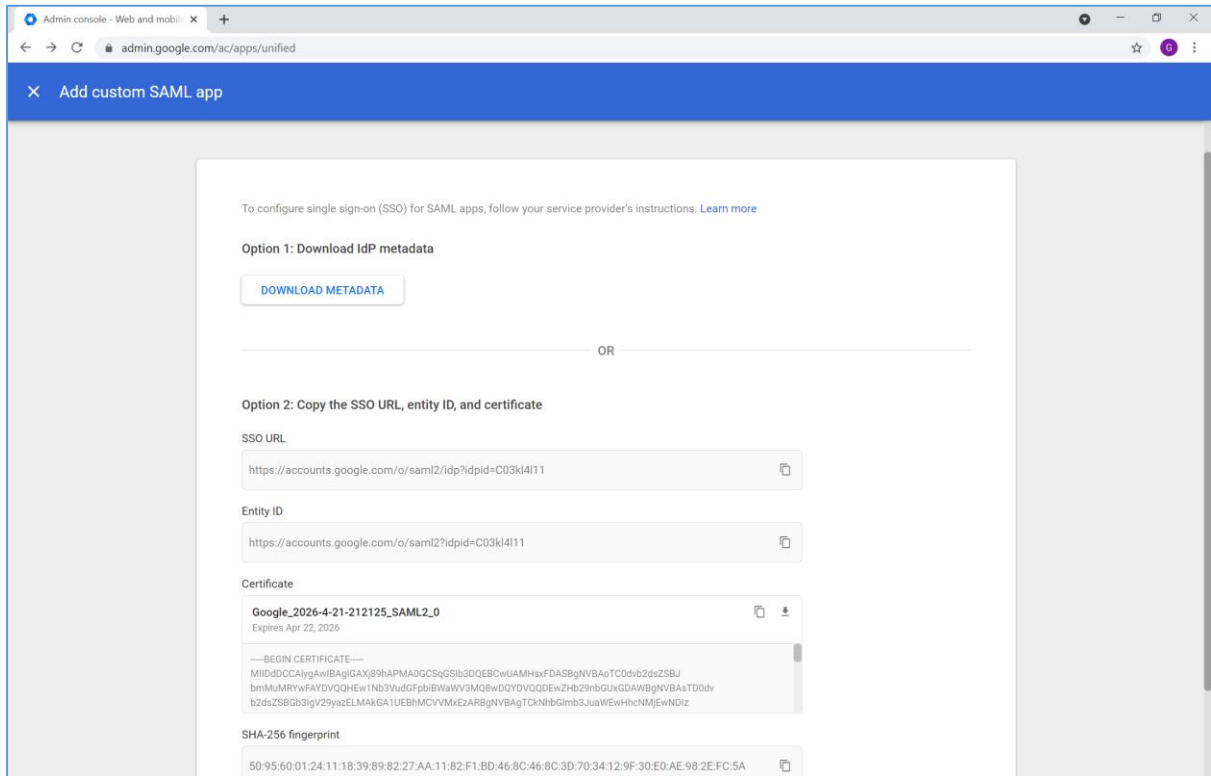
Click Add App > Add custom SAML app.

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



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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' configuration page in the Google Admin console. The page is titled 'Add custom SAML app' and is currently on the 'Service provider details' step. The 'Service provider details' section includes the following fields:

- ACS URL:** `https://127.0.0.1:44360/SAML/AssertionConsumerService`
- Entity ID:** `https://ExampleServiceProvider`
- Start URL (optional):** (Empty field)
- Signed response:**
- Name ID:** Defines the naming format supported by the identity provider. [Learn more](#)
- Name ID format:** UNSPECIFIED
- Name ID:** Basic Information > Primary email

At the bottom of the page, there are three buttons: 'BACK', 'CANCEL', and 'CONTINUE'.

Attribute mappings may be specified if required.

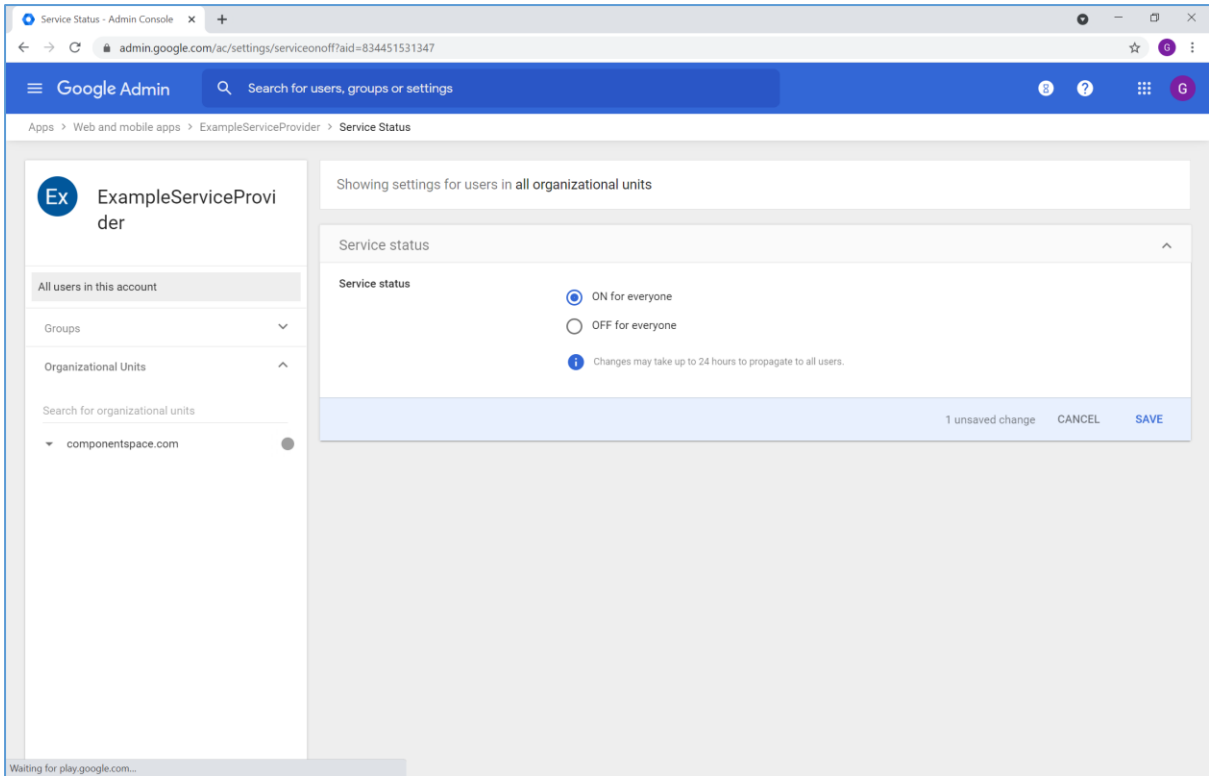
The screenshot shows the 'Add custom SAML app' configuration page in the Google Admin console, now on the 'Attribute mapping' step. The page is titled 'Add custom SAML app' and has a progress bar at the top with four steps: 'App details', 'Google Identity Provider detail', 'Service provider details', and 'Attribute mapping' (the current step). The 'Attribute mapping' section includes the following fields:

- Attributes:** Add and select user fields in Google Directory, then map them to service provider attributes. Attributes marked with * are mandatory. [Learn more](#)
- Google Directory attributes:** (Empty list)
- App attributes:** (Empty list)
- ADD MAPPING:** (Button)

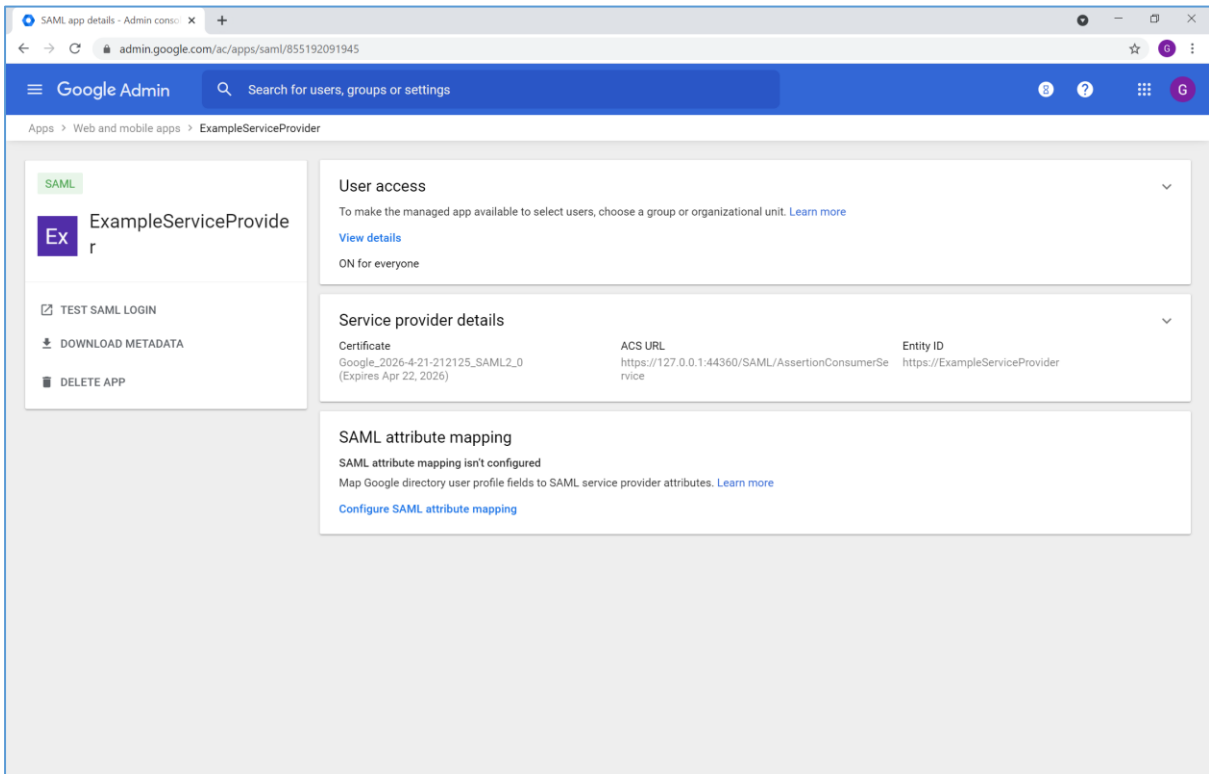
At the bottom of the page, there are three buttons: 'BACK', 'CANCEL', and 'FINISH'.

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.

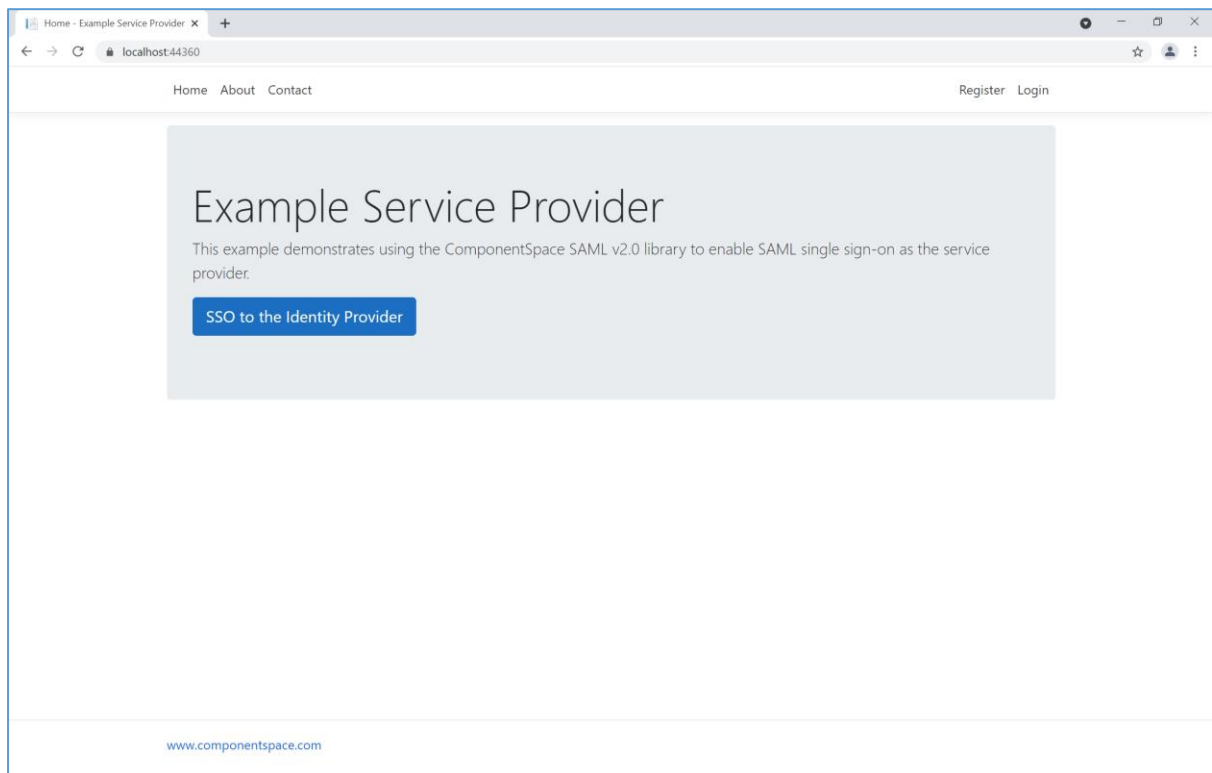
```
{
  "Name": "https://accounts.google.com/o/saml2?idpid=C03kl4l11",
  "Description": "Google",
  "SingleSignOnServiceUrl": "https://accounts.google.com/o/saml2/idp?idpid=C03kl4l11",
  "PartnerCertificates": [
    {
      "FileName": "certificates/google.cer"
    }
  ]
}
```

Ensure the PartnerName specifies the correct partner identity provider.

```
"PartnerName": "https://accounts.google.com/o/saml2?idpid=C03kl4l11"
```

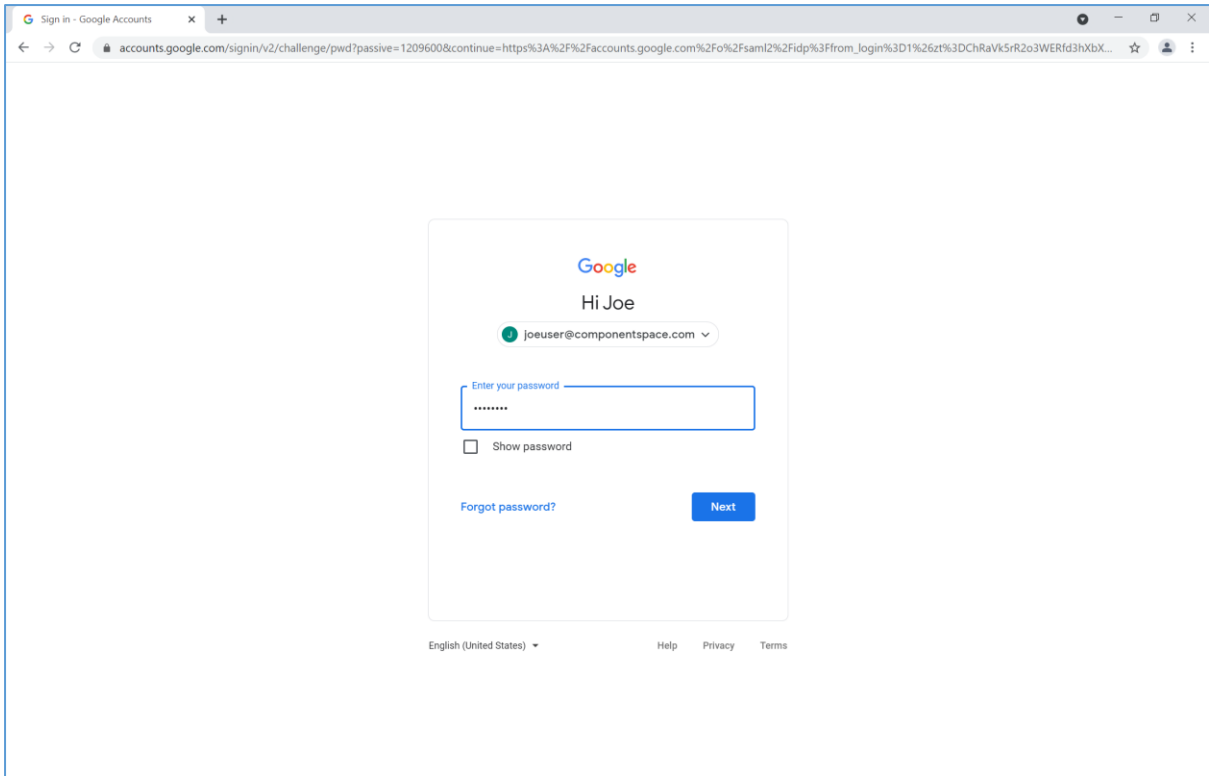
SP-Initiated SSO

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

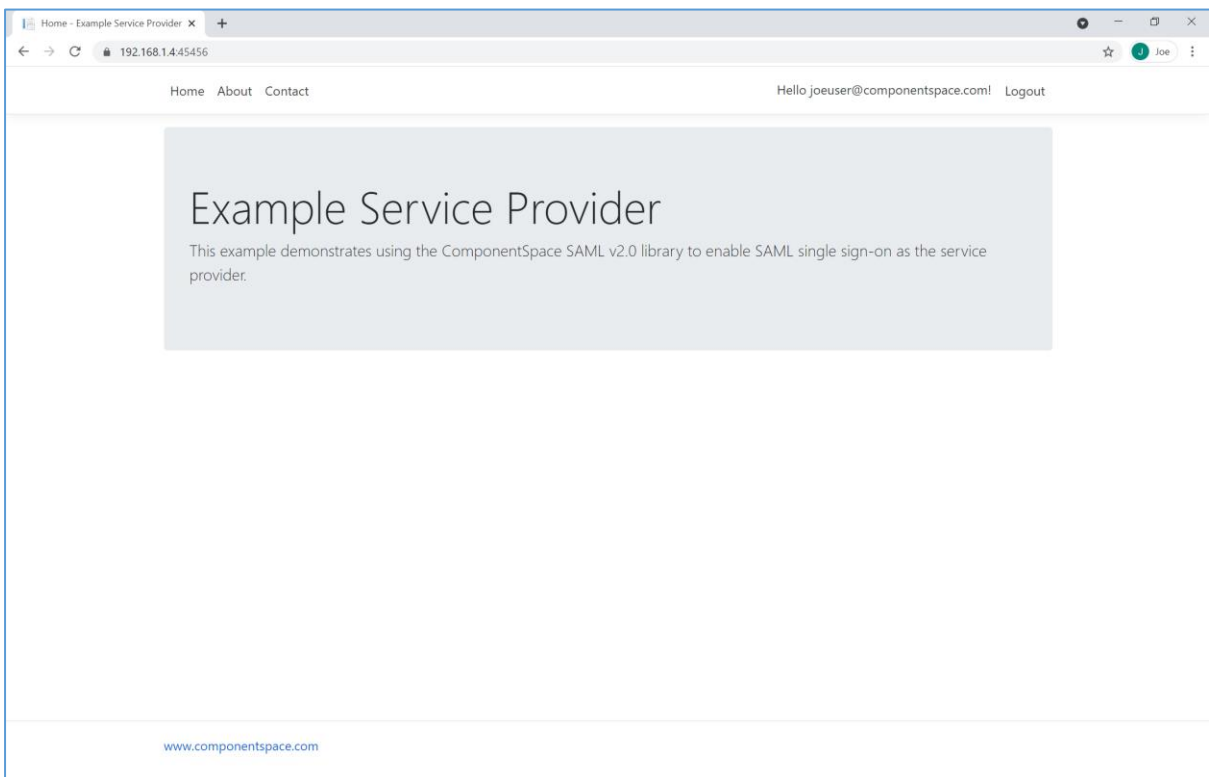


Log into Google.

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The user is automatically logged in at the service provider.



IdP-Initiated SSO

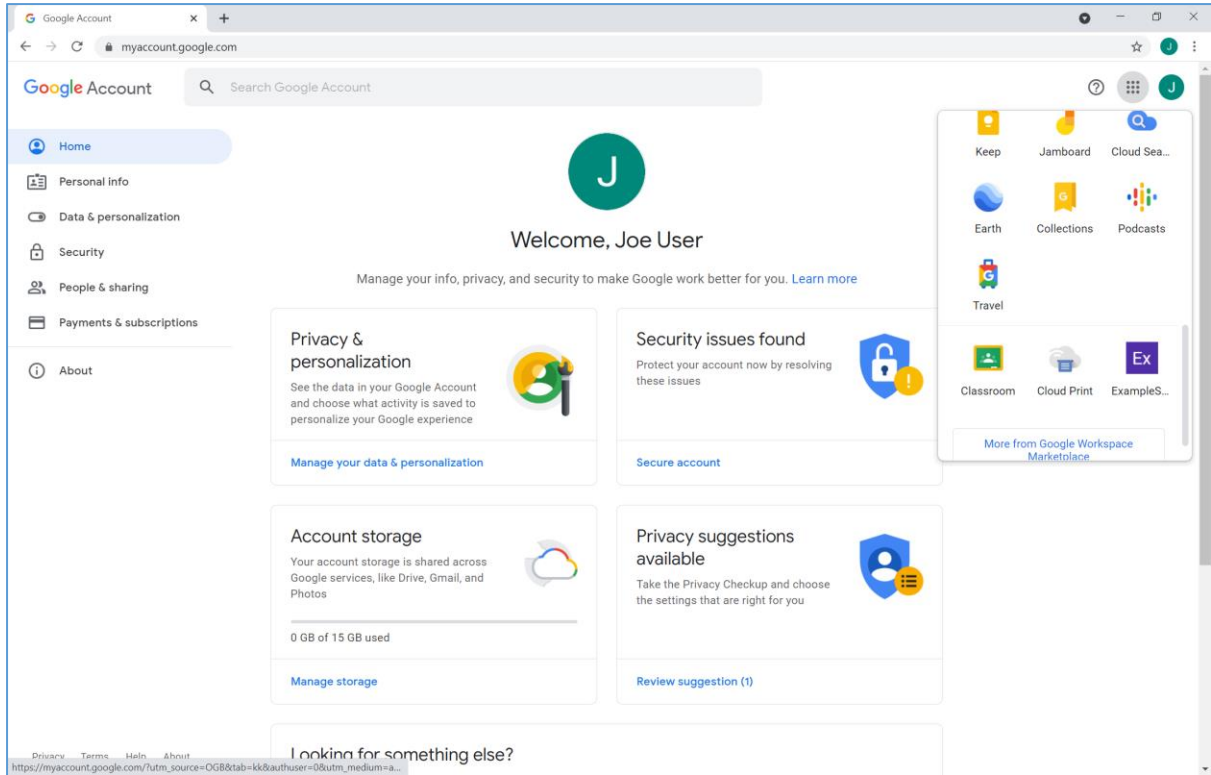
Browse to Google and login.

For example:

<https://myaccount.google.com>

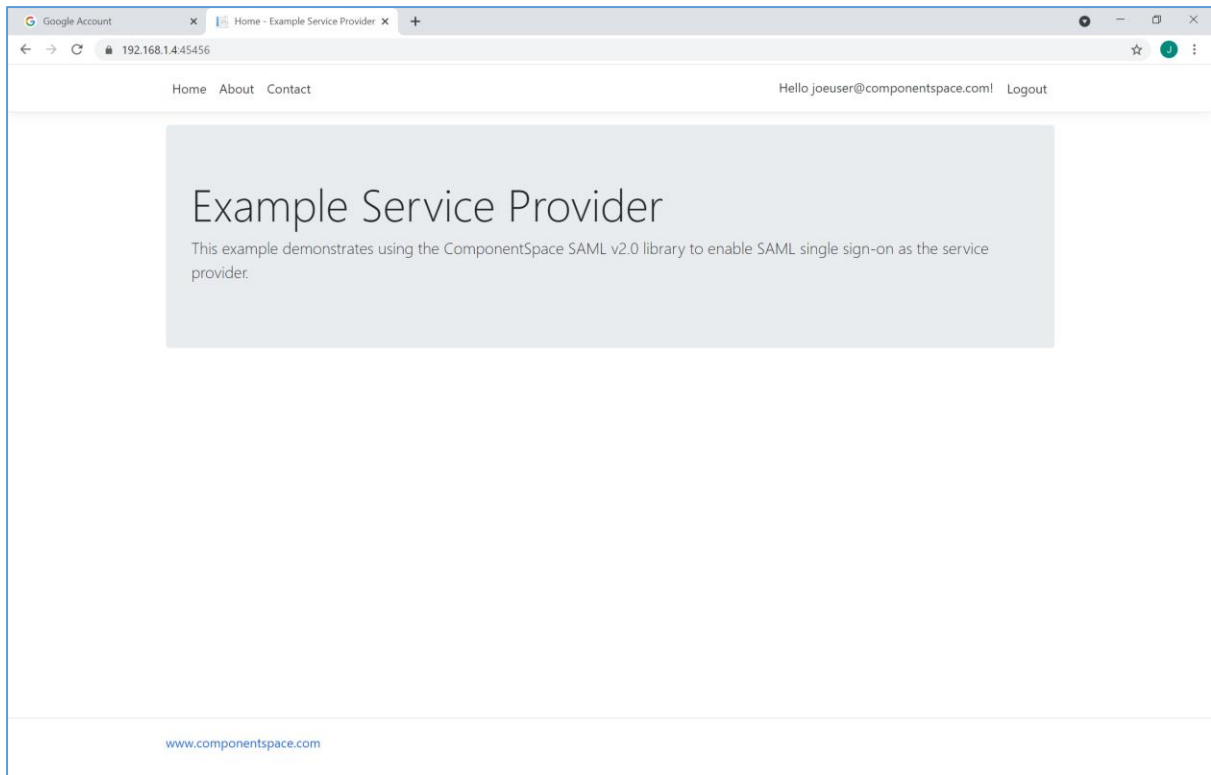
Click the Apps button to show the applications.

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.