



ComponentSpace
SAML for ASP.NET Core
Google
Identity Provider
Integration Guide

Contents

Introduction	1
Adding a SAML Application	1
Service Provider Configuration	6
SP-Initiated SSO.....	6
IdP-Initiated SSO	7
SAML Logout	9

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>

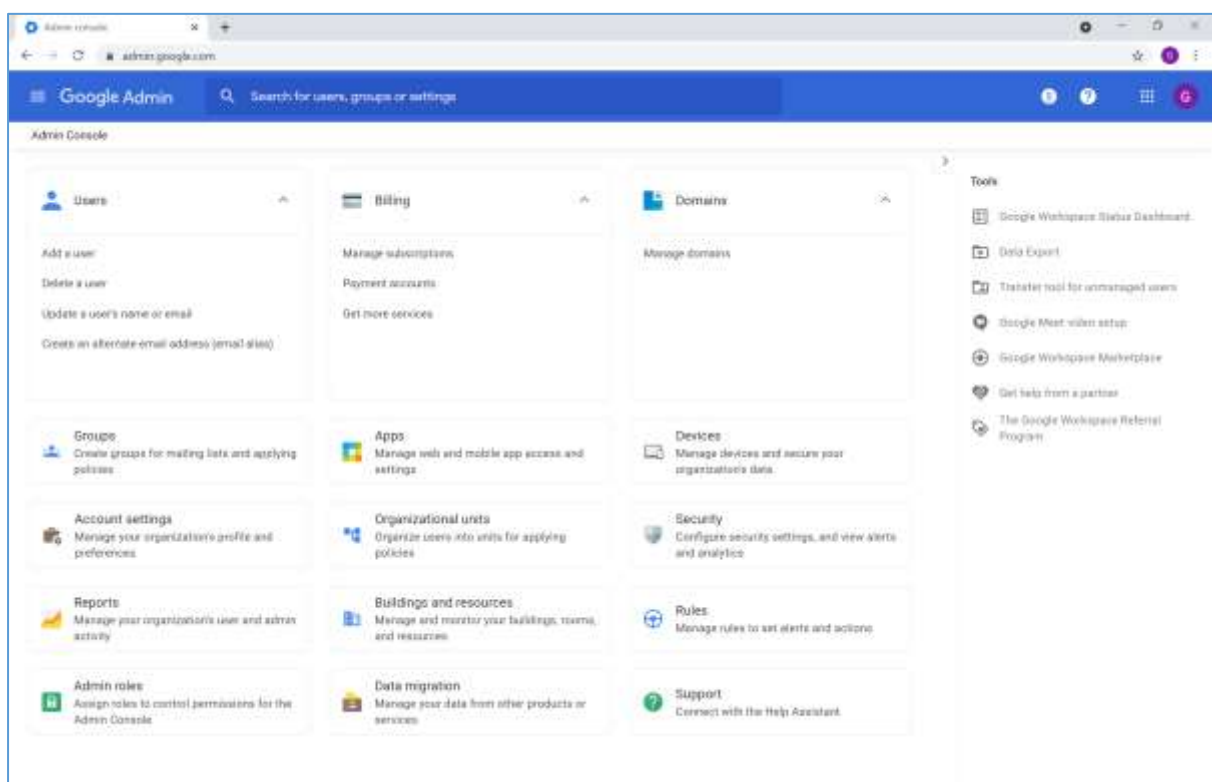
<https://support.google.com/a/answer/2463723>

Adding a SAML Application

Log into Google as an administrator.

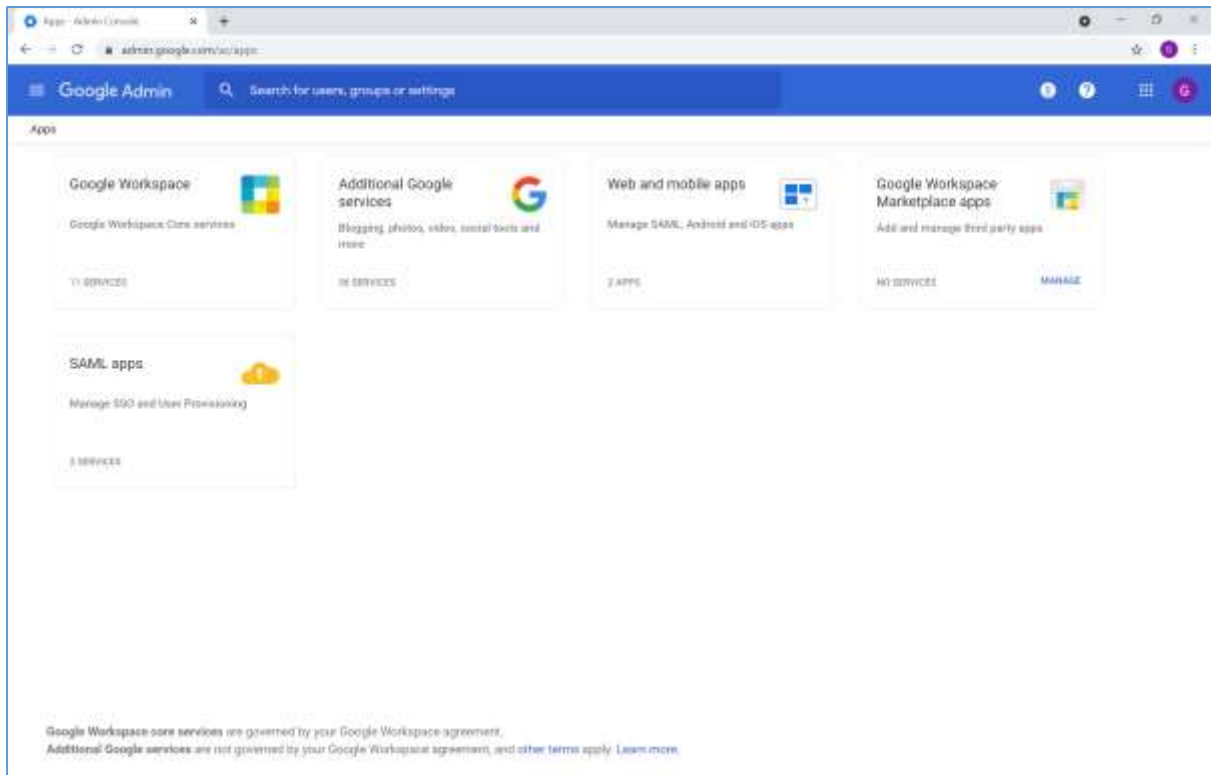
<https://admin.google.com/>

Select Apps.



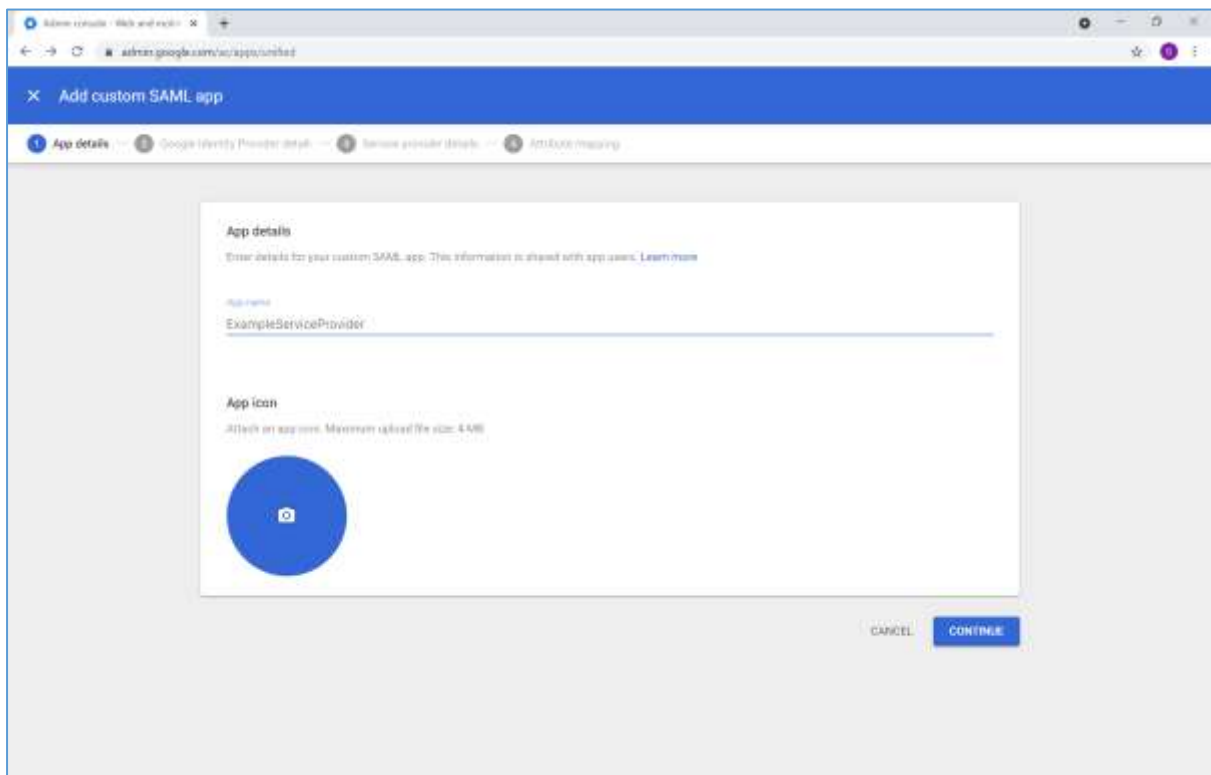
Select SAML apps.

ComponentSpace SAML for ASP.NET Core Google Identity Provider Integration Guide

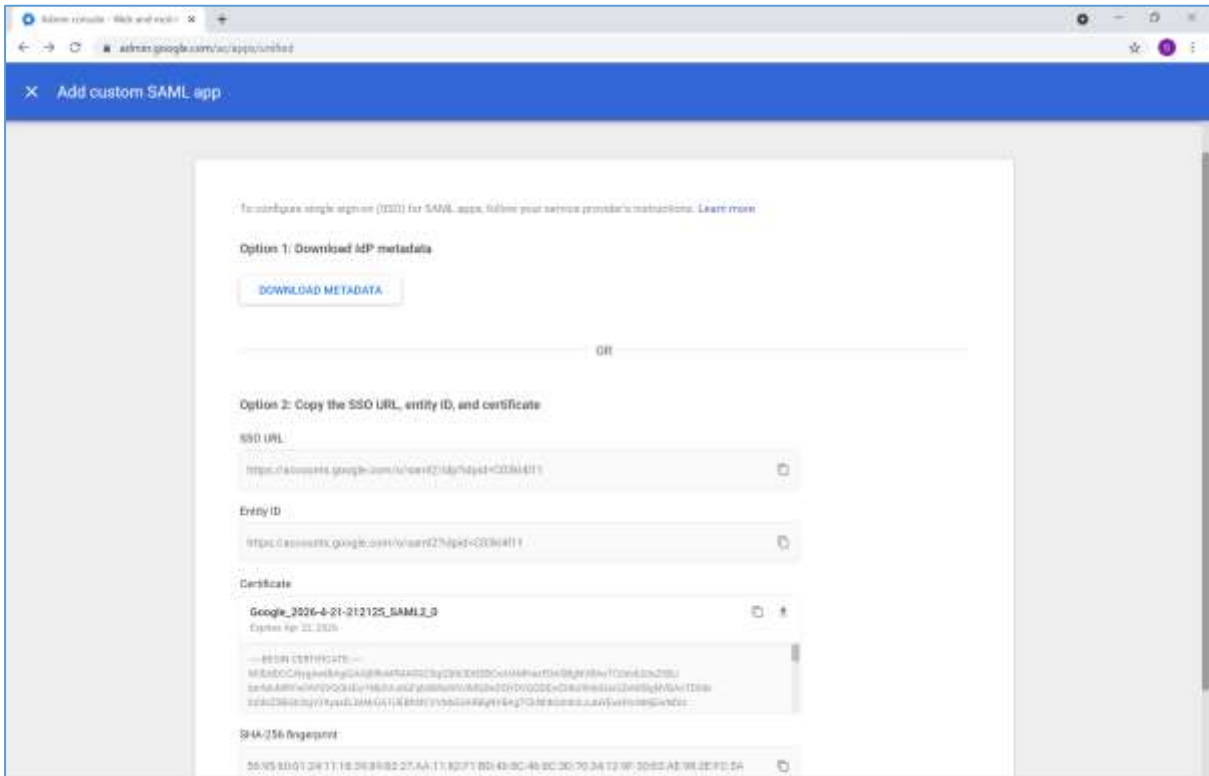


Click Add App > Add custom SAML app.

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>

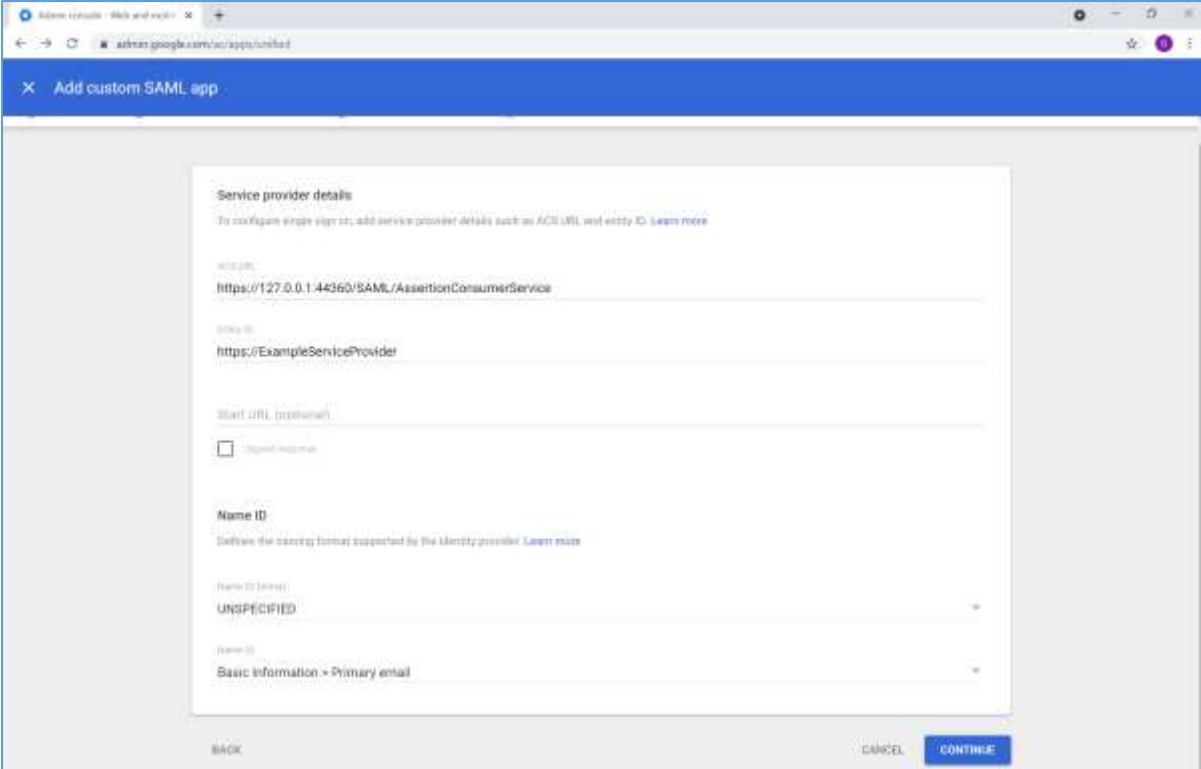
Note that Google doesn't permit localhost URLs.

The entity ID is the service provider name.

For example:

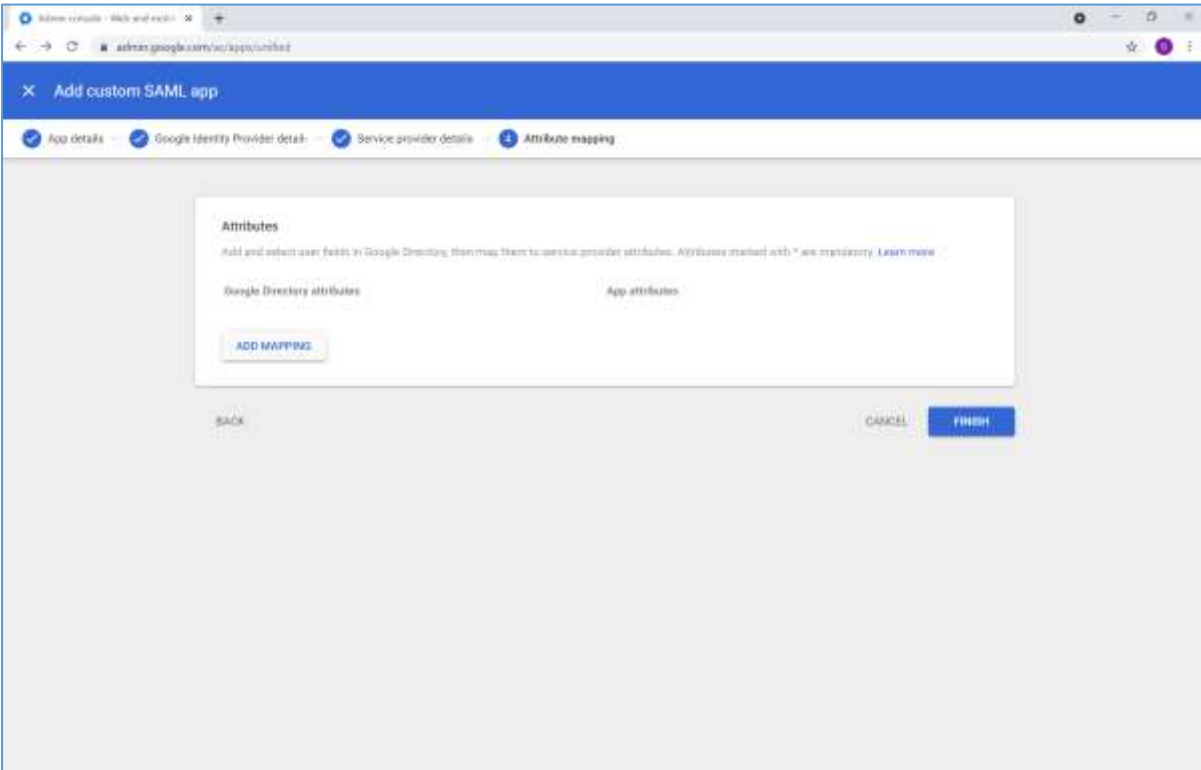
<https://ExampleServiceProvider>

ComponentSpace SAML for ASP.NET Core Google Identity Provider Integration Guide



The screenshot shows the 'Add custom SAML app' wizard in the Admin console. The current step is 'Service provider details'. The URL is set to `https://127.0.0.1:44360/SAML/AssertionConsumerService` and the Entity ID is `https://ExampleServiceProvider`. There is an unchecked checkbox for 'Signed response'. The 'Name ID' dropdown is set to 'UNSPECIFIED' and the 'Name ID format' is set to 'Basic Information > Primary email'. Navigation buttons 'BACK', 'CANCEL', and 'CONTINUE' are visible at the bottom.

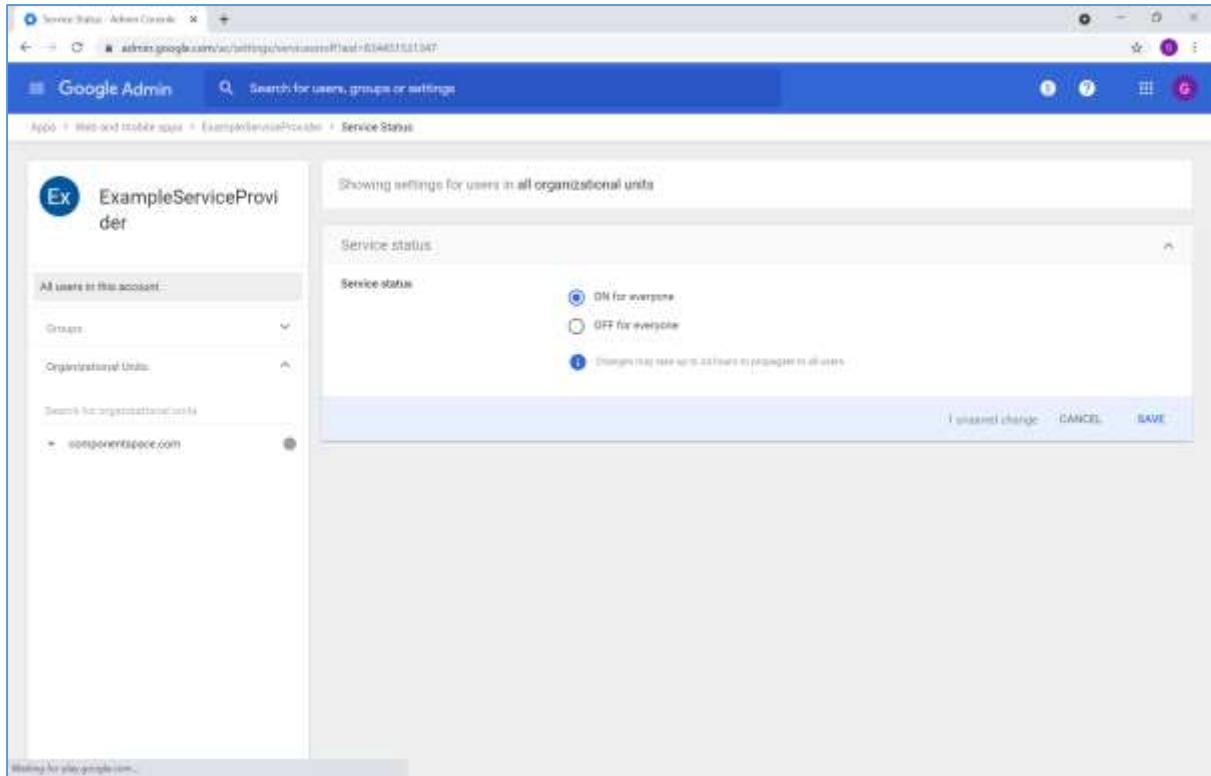
Attribute mappings may be specified if required.



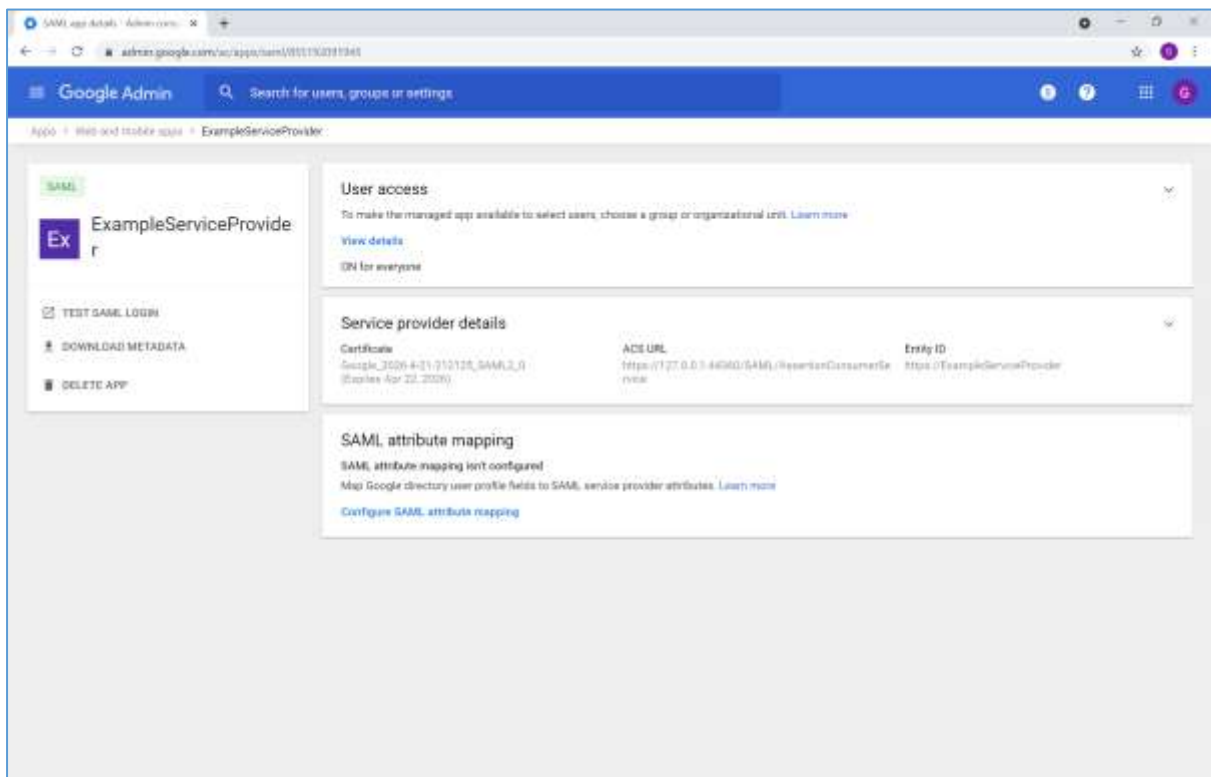
The screenshot shows the 'Add custom SAML app' wizard in the Admin console, now at the 'Attribute mapping' step. The progress bar at the top shows 'App details', 'Google Identity Provider details', 'Service provider details', and 'Attribute mapping'. The 'Attributes' section has two columns: 'Google Directory attributes' and 'App attributes'. An 'ADD MAPPING' button is located between the columns. Navigation buttons 'BACK', 'CANCEL', and 'FINISH' are visible at the bottom.

Ensure the application is turned on for everyone.

ComponentSpace SAML for ASP.NET Core Google Identity Provider Integration Guide



The SAML configuration is complete.



Service Provider Configuration

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

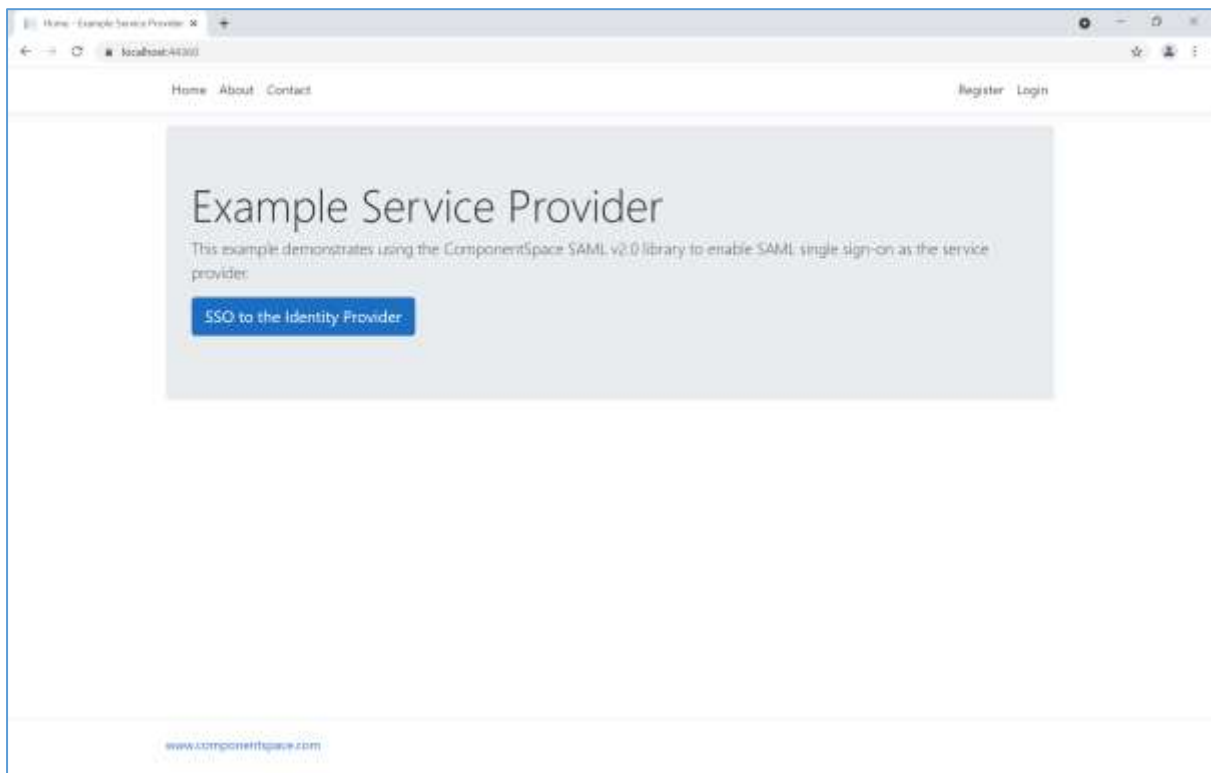
```
{
  "Name": "https://accounts.google.com/o/saml2?idpid=C03kl4l11",
  "Description": "Google",
  "SingleSignOnServiceUrl": "https://accounts.google.com/o/saml2/idp?idpid=C03kl4l11",
  "PartnerCertificates": [
    {
      "FileName": "certificates/google.cer"
    }
  ]
}
```

Ensure the PartnerName specifies the correct partner identity provider.

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

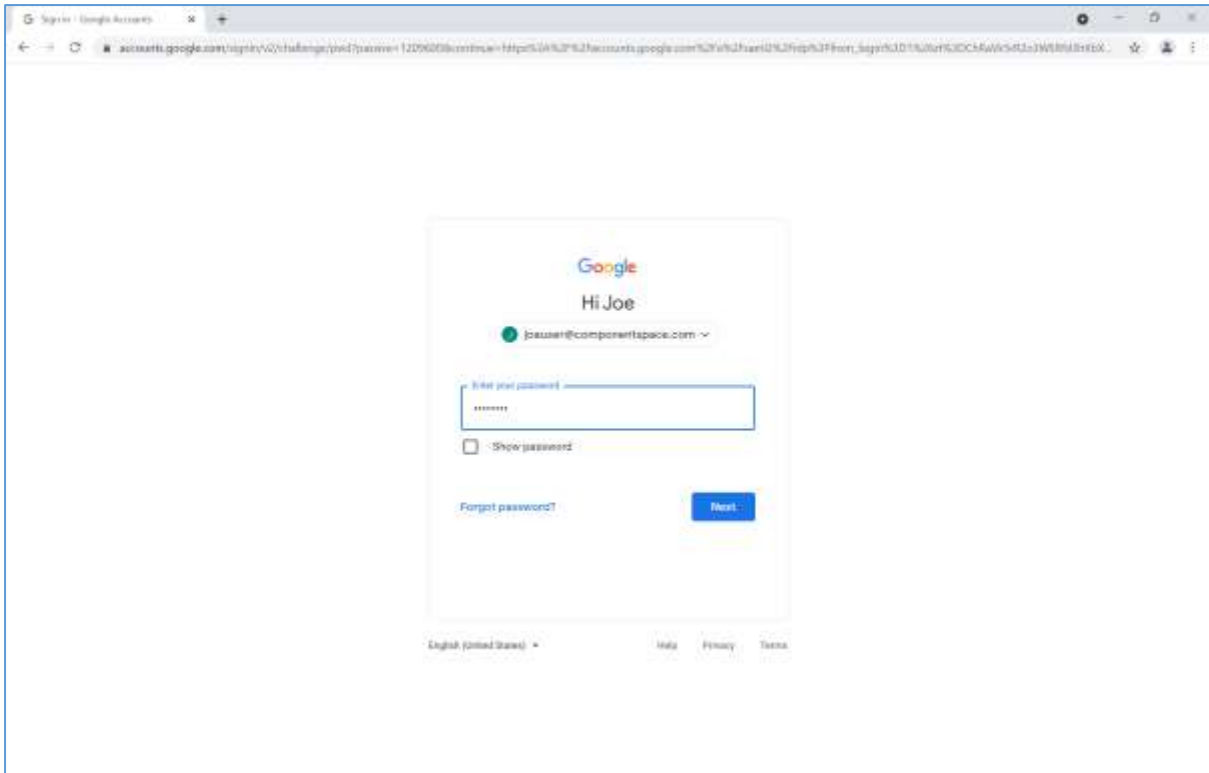
SP-Initiated SSO

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

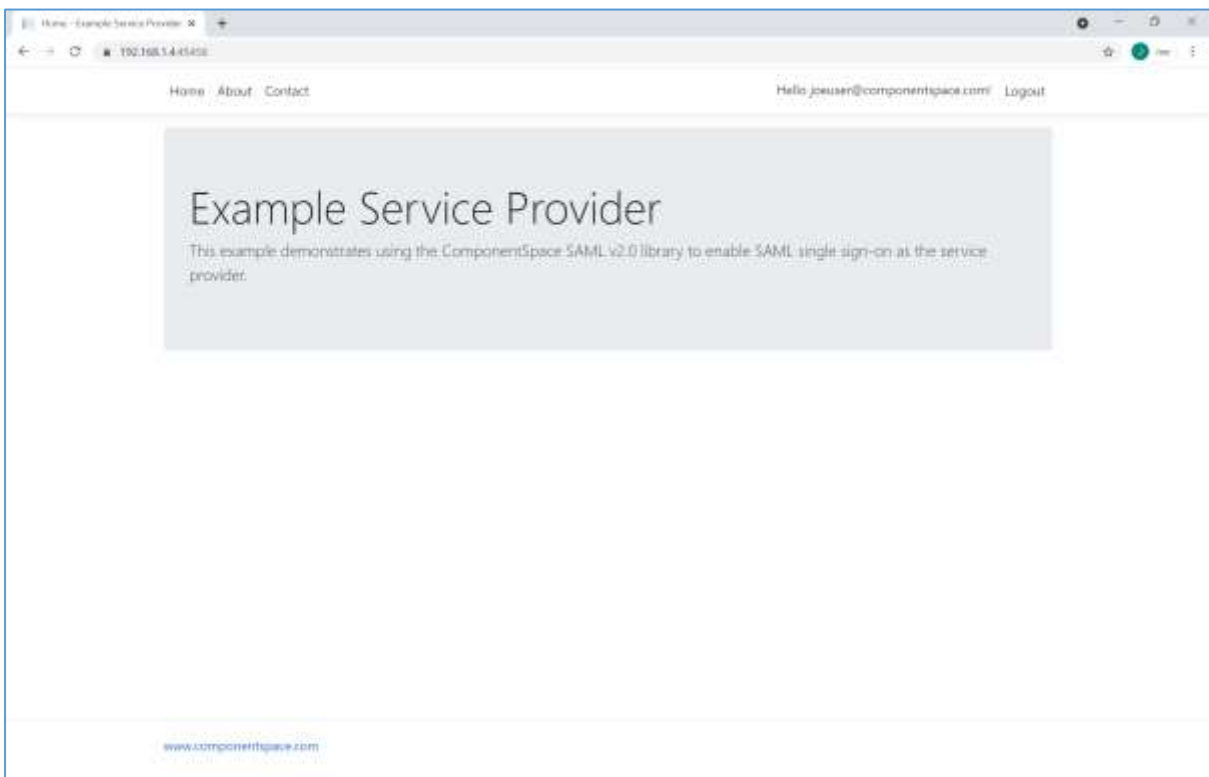


Log into Google.

ComponentSpace SAML for ASP.NET Core Google Identity Provider Integration Guide



The user is automatically logged in at the service provider.



IdP-Initiated SSO

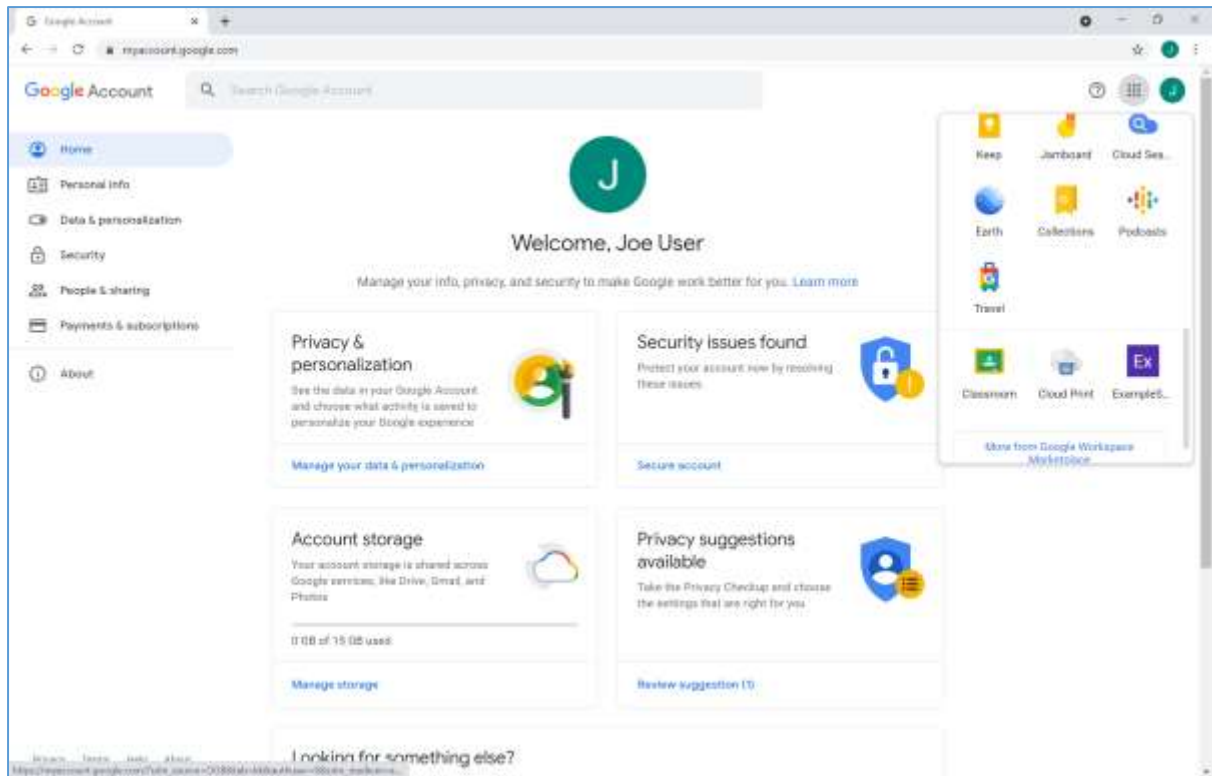
Browse to Google and login.

For example:

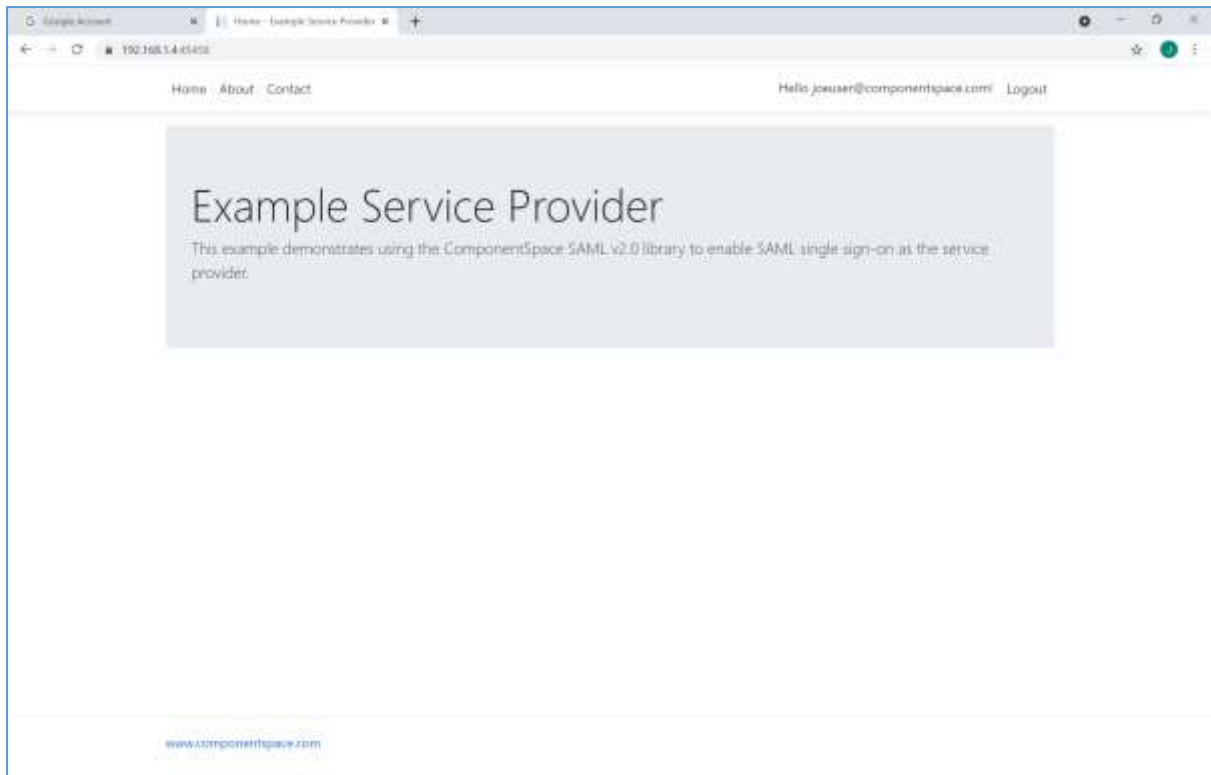
<https://myaccount.google.com>

Click the Apps button to show the applications.

Select the example service provider.



The user is automatically logged in at the service provider.



SAML Logout

Google doesn't support SAML logout.