

# ComponentSpace

## SAML for ASP.NET

### Shibboleth

### Identity Provider

## Integration Guide

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## Introduction

This document describes integration with Shibboleth as the identity provider.

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

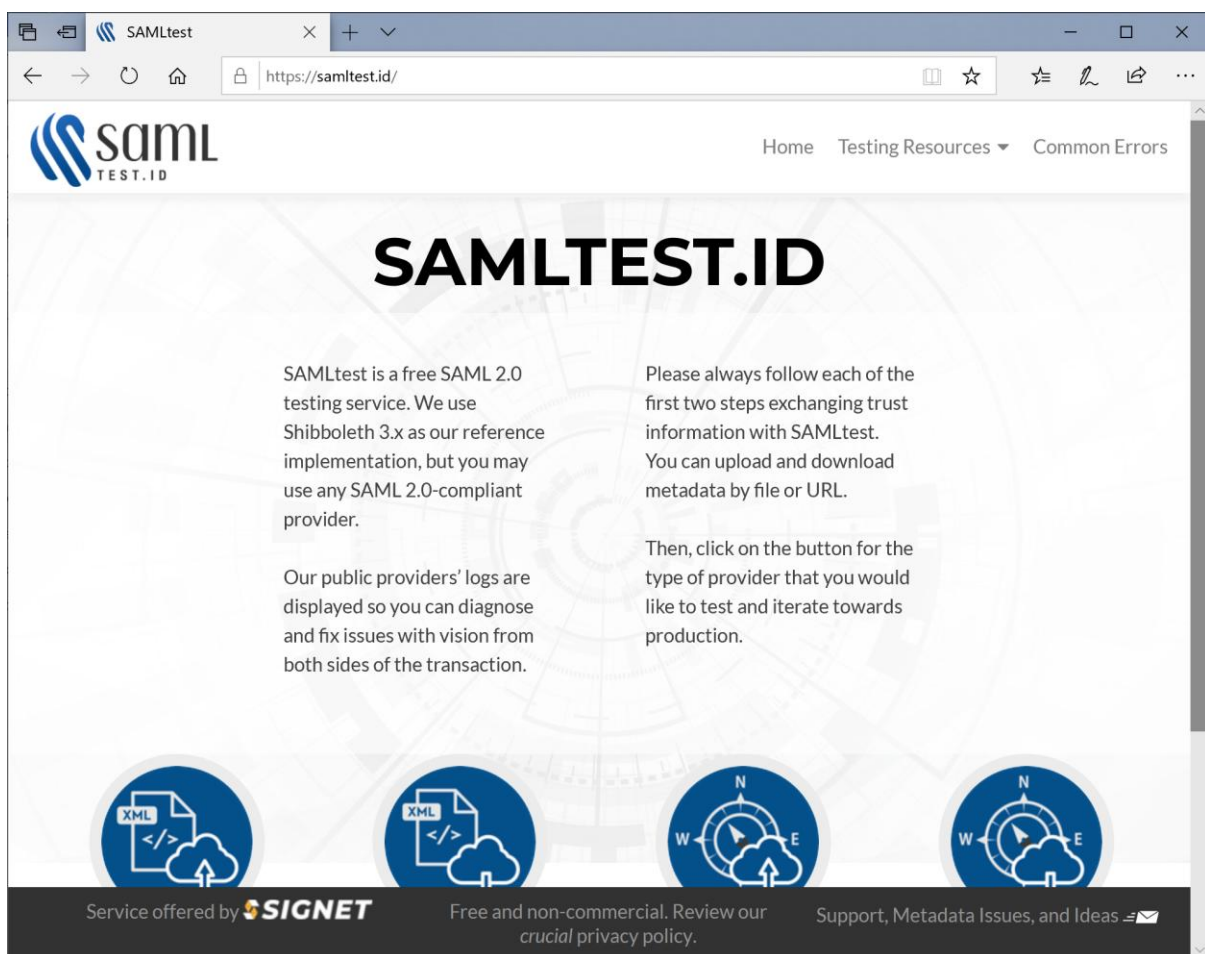
<https://www.shibboleth.net/>

<https://wiki.shibboleth.net/confluence>

## Configuring the Shibboleth Test Identity Provider

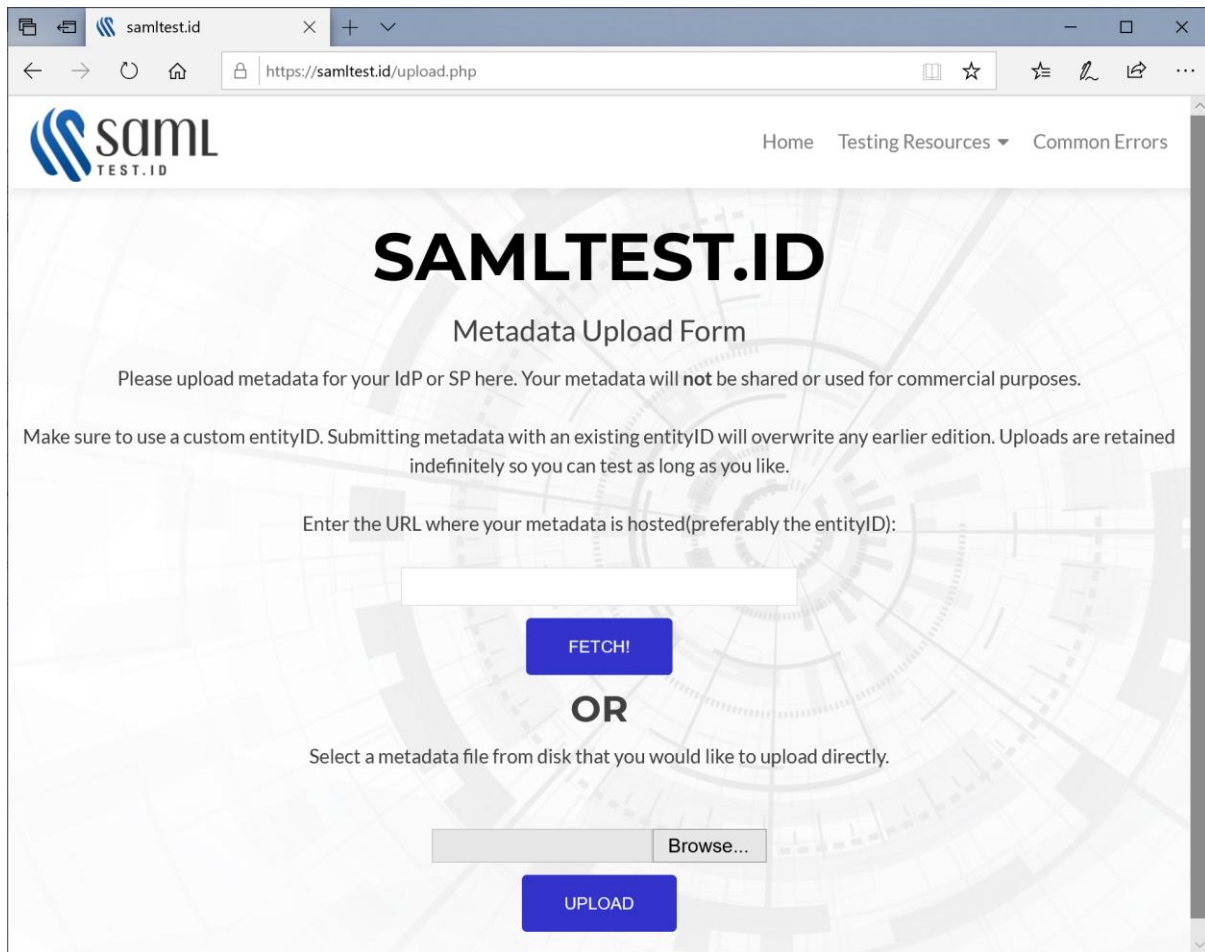
The Shibboleth test identity provider is available at:

<https://samltest.id/>



Click the Upload Metadata button and upload the example service provider's metadata.

The included SAML metadata for the ExampleServiceProvider is used.



The screenshot shows a web browser window with the address bar displaying `https://samltest.id/upload.php`. The page features the SAMLTEST.ID logo in the top left and navigation links for Home, Testing Resources, and Common Errors in the top right. The main heading is "SAMLTEST.ID" followed by "Metadata Upload Form". Below this, a message states: "Please upload metadata for your IdP or SP here. Your metadata will not be shared or used for commercial purposes. Make sure to use a custom entityID. Submitting metadata with an existing entityID will overwrite any earlier edition. Uploads are retained indefinitely so you can test as long as you like." The form offers two methods for uploading metadata. The first method involves entering a URL in a text box labeled "Enter the URL where your metadata is hosted(preferably the entityID):" and clicking a blue "FETCH!" button. The second method, separated by the word "OR", involves selecting a file from the disk using a "Browse..." button and then clicking a blue "UPLOAD" button.

samltest.id

Home Testing Resources Common Errors

# SAMLTEST.ID

## Metadata Upload Form

Please upload metadata for your IdP or SP here. Your metadata will not be shared or used for commercial purposes. Make sure to use a custom entityID. Submitting metadata with an existing entityID will overwrite any earlier edition. Uploads are retained indefinitely so you can test as long as you like.

Enter the URL where your metadata is hosted(preferably the entityID):

FETCH!

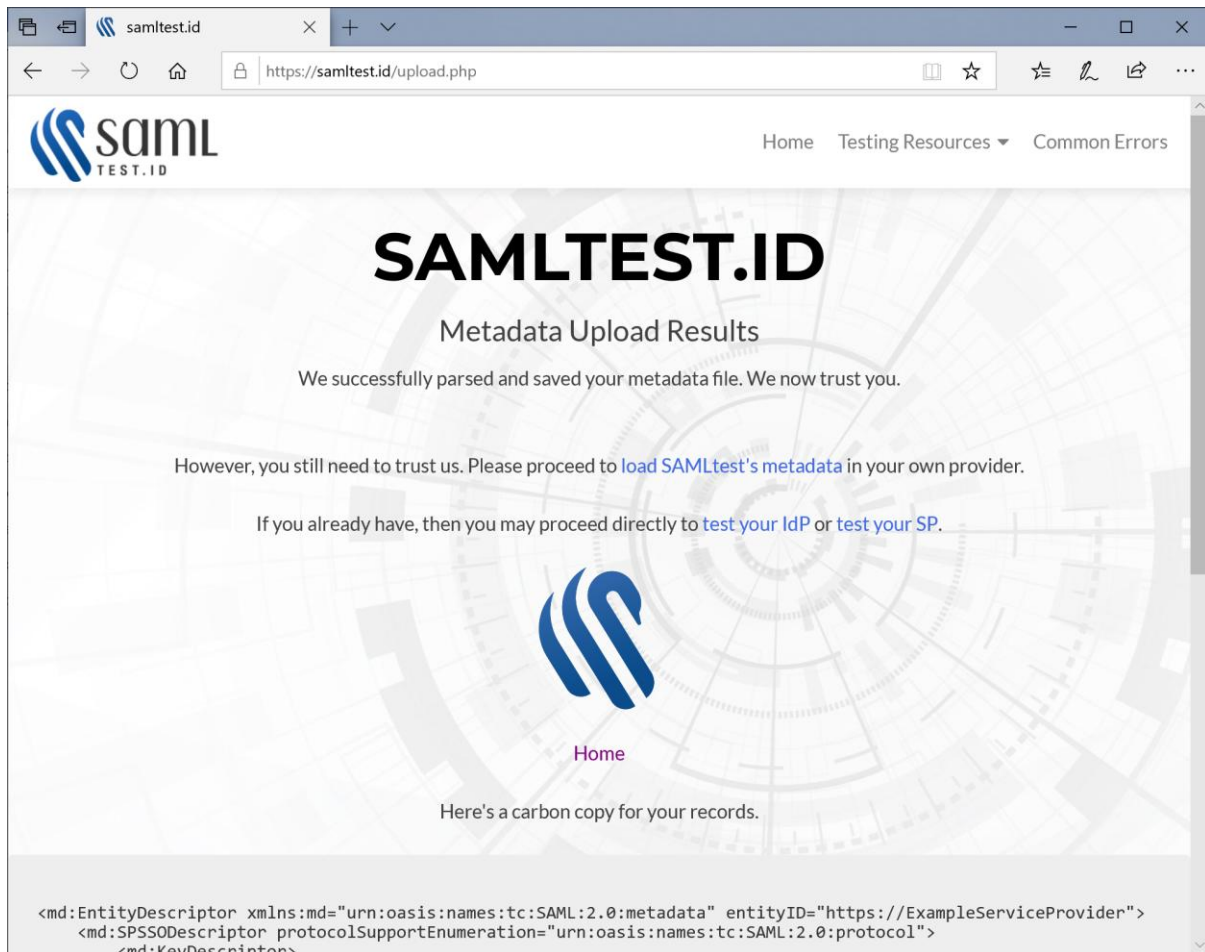
OR

Select a metadata file from disk that you would like to upload directly.

 Browse...

UPLOAD

The uploaded metadata is displayed for confirmation.

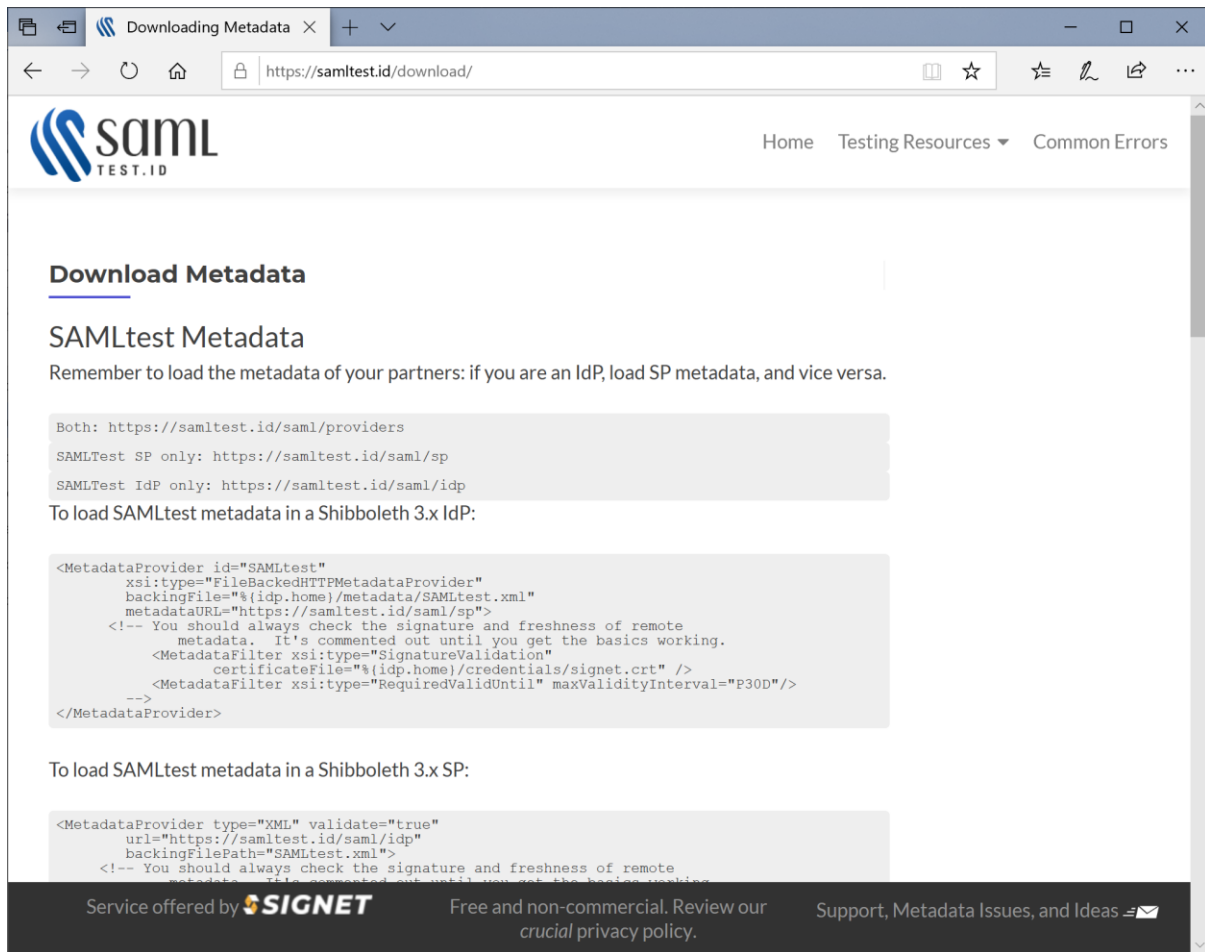


Click the Download Metadata button and download the Shibboleth metadata.

Alternatively, download from:

<https://samltest.id/saml/idp>

This is used to configure the service provider.



**Download Metadata**

**SAMLtest Metadata**

Remember to load the metadata of your partners: if you are an IdP, load SP metadata, and vice versa.

Both: <https://samltest.id/saml/providers>  
 SAMLtest SP only: <https://samltest.id/saml/sp>  
 SAMLtest IdP only: <https://samltest.id/saml/idp>

To load SAMLtest metadata in a Shibboleth 3.x IdP:

```
<MetadataProvider id="SAMLtest"
  xsi:type="FileBackedHTTPMetadataProvider"
  backingFile="%{idp.home}/metadata/SAMLtest.xml"
  metadataURL="https://samltest.id/saml/sp">
  <!-- You should always check the signature and freshness of remote
  metadata. It's commented out until you get the basics working.
  <MetadataFilter xsi:type="SignatureValidation"
    certificateFile="%{idp.home}/credentials/signet.crt" />
  <MetadataFilter xsi:type="RequiredValidUntil" maxValidityInterval="P30D"/>
  -->
</MetadataProvider>
```

To load SAMLtest metadata in a Shibboleth 3.x SP:

```
<MetadataProvider type="XML" validate="true"
  url="https://samltest.id/saml/idp"
  backingFilePath="SAMLtest.xml">
  <!-- You should always check the signature and freshness of remote
  metadata. It's commented out until you get the basics working.
  -->
</MetadataProvider>
```

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## Service Provider Configuration

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

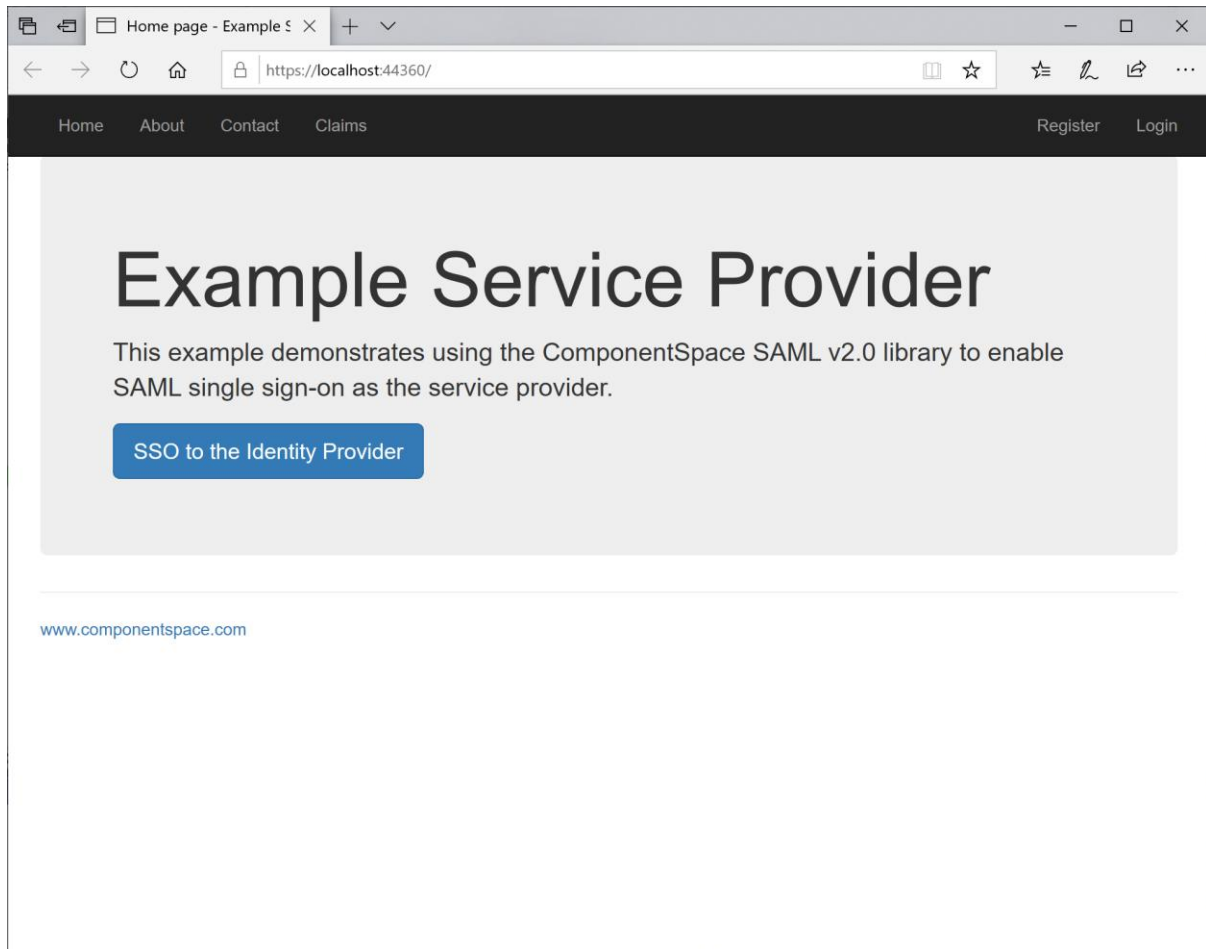
```
<PartnerIdentityProvider
  Name="https://samltest.id/saml/idp"
  Description="Shibboleth"
  SignLogoutRequest="true"
  SignLogoutResponse="true"
  SingleSignOnServiceUrl="https://samltest.id/idp/profile/SAML2/Redirect/SSO"
  SingleLogoutServiceUrl="https://samltest.id/idp/profile/SAML2/Redirect/SLO">
  <PartnerCertificates>
    <Certificate FileName="Certificates\shibboleth1.cer"/>
    <Certificate FileName="Certificates\shibboleth2.cer"/>
  </PartnerCertificates>
</PartnerIdentityProvider>
```

Ensure the PartnerName specifies the correct partner identity provider.

```
<add key="PartnerName" value="https://samltest.id/saml/idp"/>
```

## SP-Initiated SSO

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



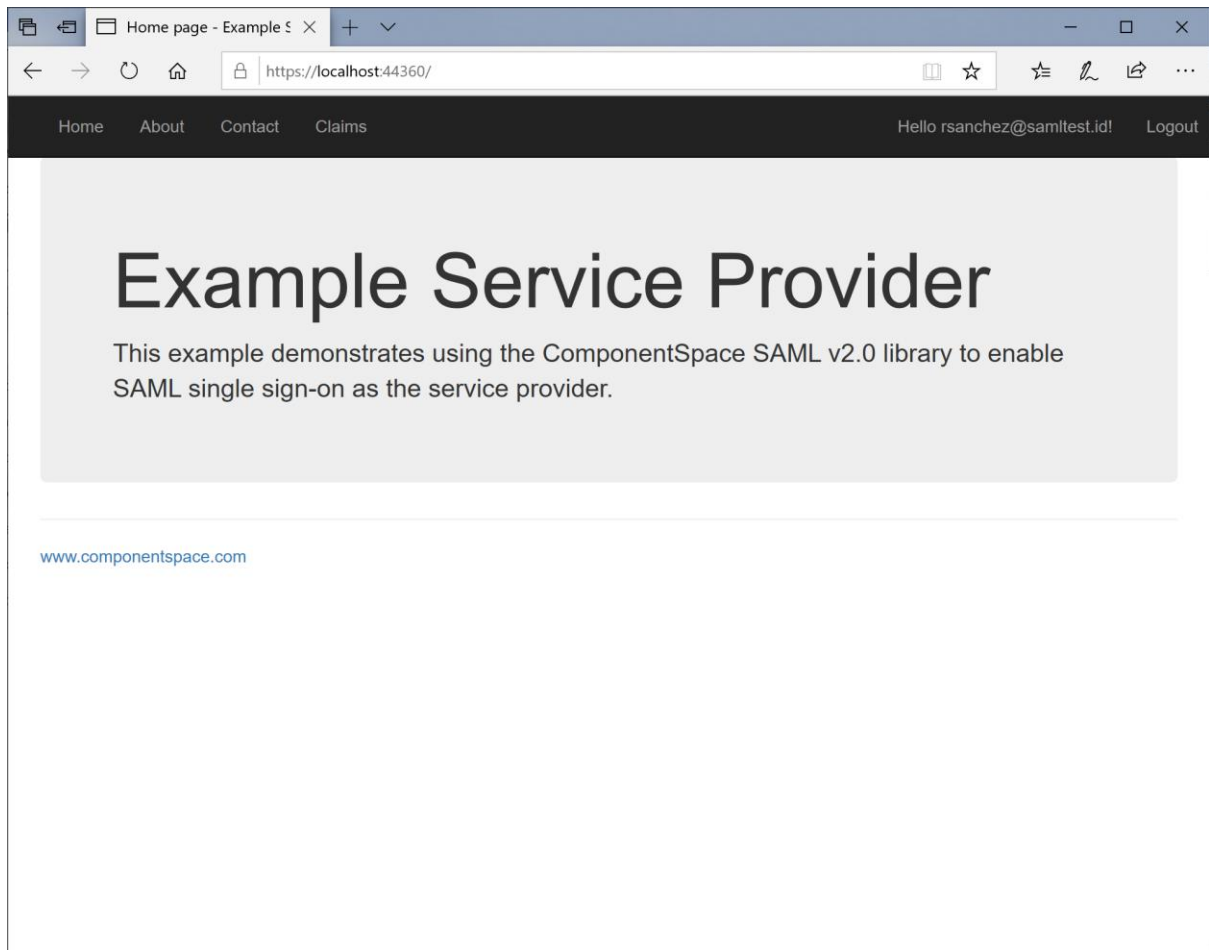
Log into Shibboleth.

The screenshot shows a web browser window with the title "SAMLtest Login Interfac". The address bar displays the URL: <https://samltest.id/idp/profile/SAML2/Redirect/SSO?sessionid=0E6DFB8B7A5959EA05DFE69F>. The page header features the "saml TEST.ID" logo on the left and navigation links "Home", "Resources", and "About" on the right. The main heading is "SAMLTEST.ID". Below this, there is a login form with fields for "Username" (containing "rick") and "Password" (masked with dots). There are checkboxes for "Don't Remember Login" and "Clear prior granting of permission for release of your information to this service." A blue "LOGIN" button is positioned below the form. To the right of the login form, a message states: "If your service had a logo and description in its metadata, they would be displayed here for the user." Below this message, a note reads: "You can use the following test accounts. [Signet](#) does not advise putting passwords on login pages." At the bottom, a table lists test accounts:

USERNAME:	PASSWORD:
rick	psych
morty	panic
sheldon	bazinga

The user is automatically logged in at the service provider.

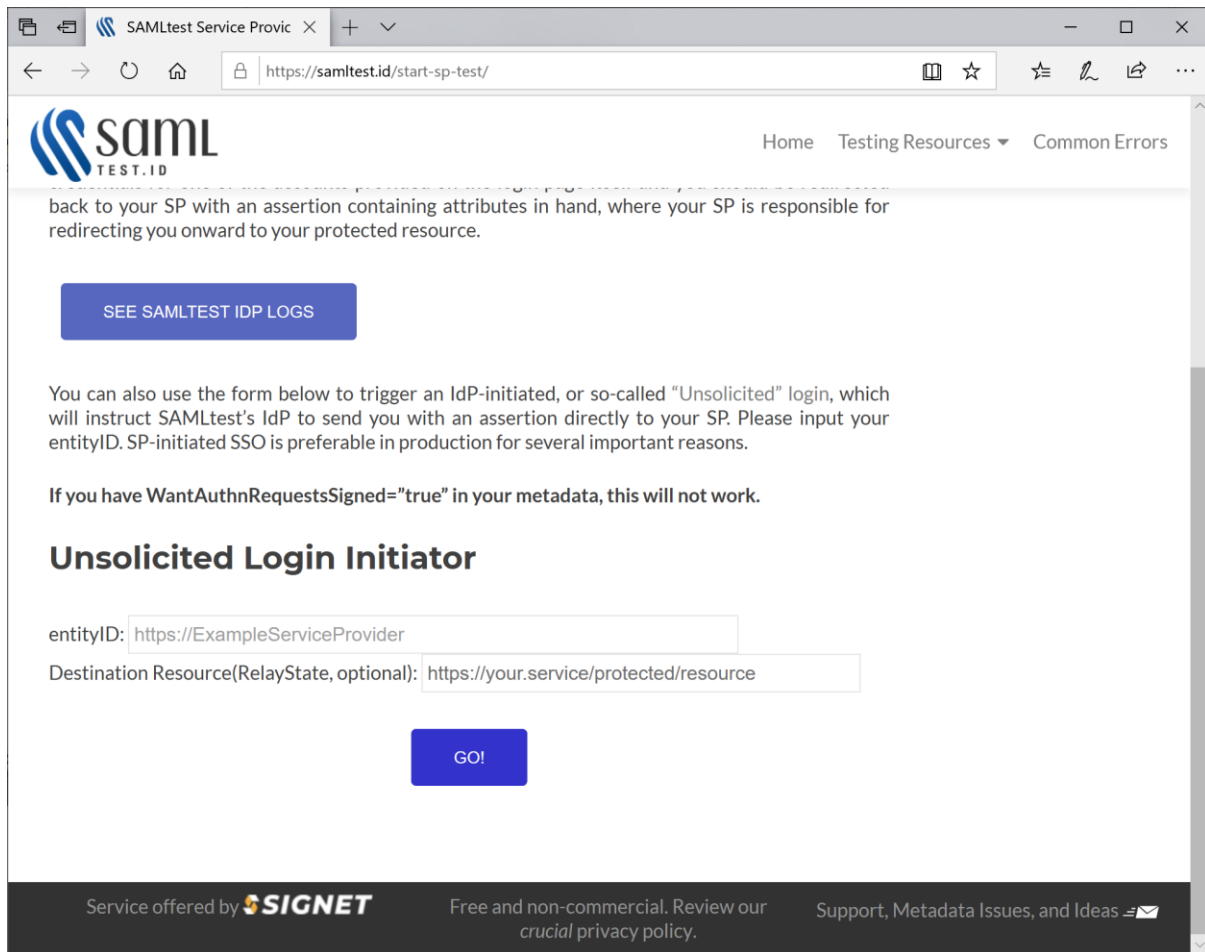




### IdP-Initiated SSO

Click the Test Your SP button.

Specify the SP name as its entityID. The RelayState is optional.



The screenshot shows a web browser window with the URL `https://samltest.id/start-sp-test/`. The page features the SAML TEST.ID logo and navigation links for Home, Testing Resources, and Common Errors. A paragraph explains that the user is back to their SP with an assertion containing attributes in hand, where the SP is responsible for redirecting the user onward to their protected resource. Below this is a blue button labeled "SEE SAMLTEST IDP LOGS".

A second paragraph states: "You can also use the form below to trigger an IdP-initiated, or so-called 'Unsolicited' login, which will instruct SAMLtest's IdP to send you with an assertion directly to your SP. Please input your entityID. SP-initiated SSO is preferable in production for several important reasons."

A warning note follows: "If you have `WantAuthnRequestsSigned='true'` in your metadata, this will not work."

### Unsolicited Login Initiator

The form contains two input fields:

- entityID: `https://ExampleServiceProvider`
- Destination Resource(RelayState, optional): `https://your.service/protected/resource`

Below the fields is a blue button labeled "GO!".

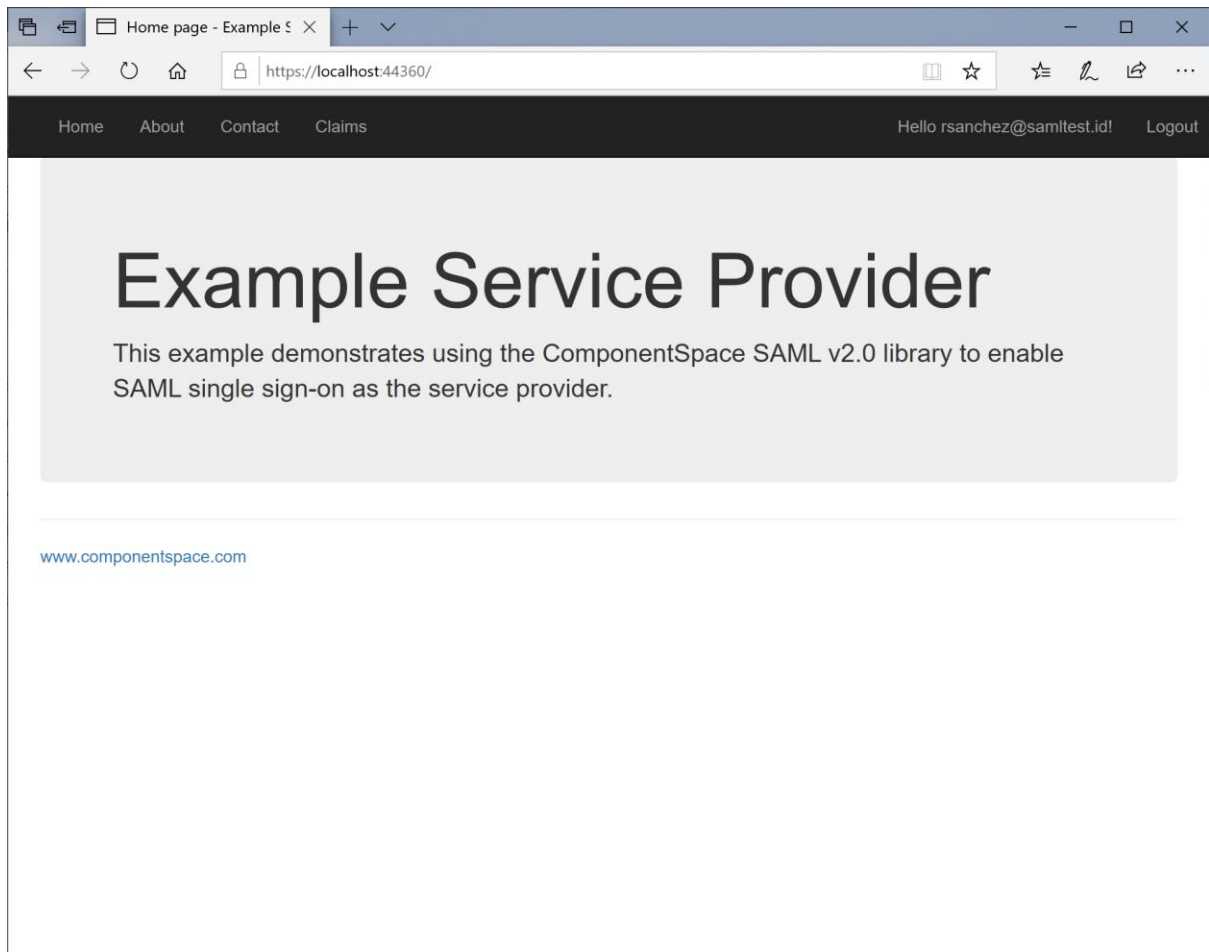
The footer of the page includes the text "Service offered by SIGNET", "Free and non-commercial. Review our crucial privacy policy.", and "Support, Metadata Issues, and Ideas" with an email icon.

Log into Shibboleth.

The screenshot shows a web browser window with the title "SAMLtest Login Interfac". The address bar displays the URL "https://samltest.id/idp/profile/SAML2/Unsolicited/SSO?execution=e3s1". The page features the "saml TEST.ID" logo in the top left and navigation links "Home", "Resources", and "About" in the top right. The main heading is "SAMLTEST.ID". Below it, there is a login form with fields for "Username" (containing "rick") and "Password" (masked with dots). There are checkboxes for "Don't Remember Login" and "Clear prior granting of permission for release of your information to this service." A blue "LOGIN" button is positioned below the form. To the right of the login form, a message states: "If your service had a logo and description in its metadata, they would be displayed here for the user." Below this, a note says: "You can use the following test accounts. Signet does not advise putting passwords on login pages." At the bottom, there is a table of test accounts:

USERNAME:	PASSWORD:
rick	psych
morty	panic
sheldon	bazinga

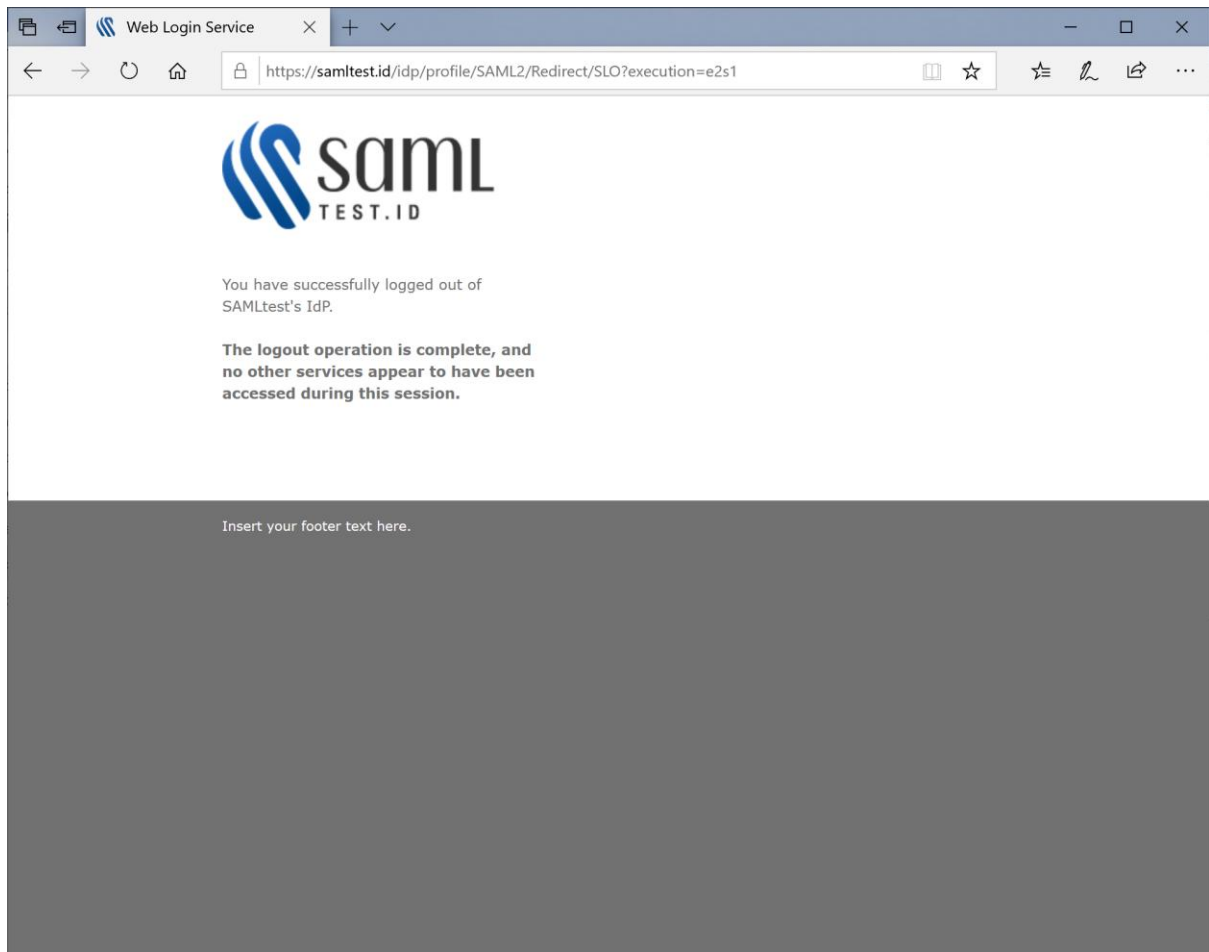
The user is automatically logged in at the service provider.



## SAML Logout

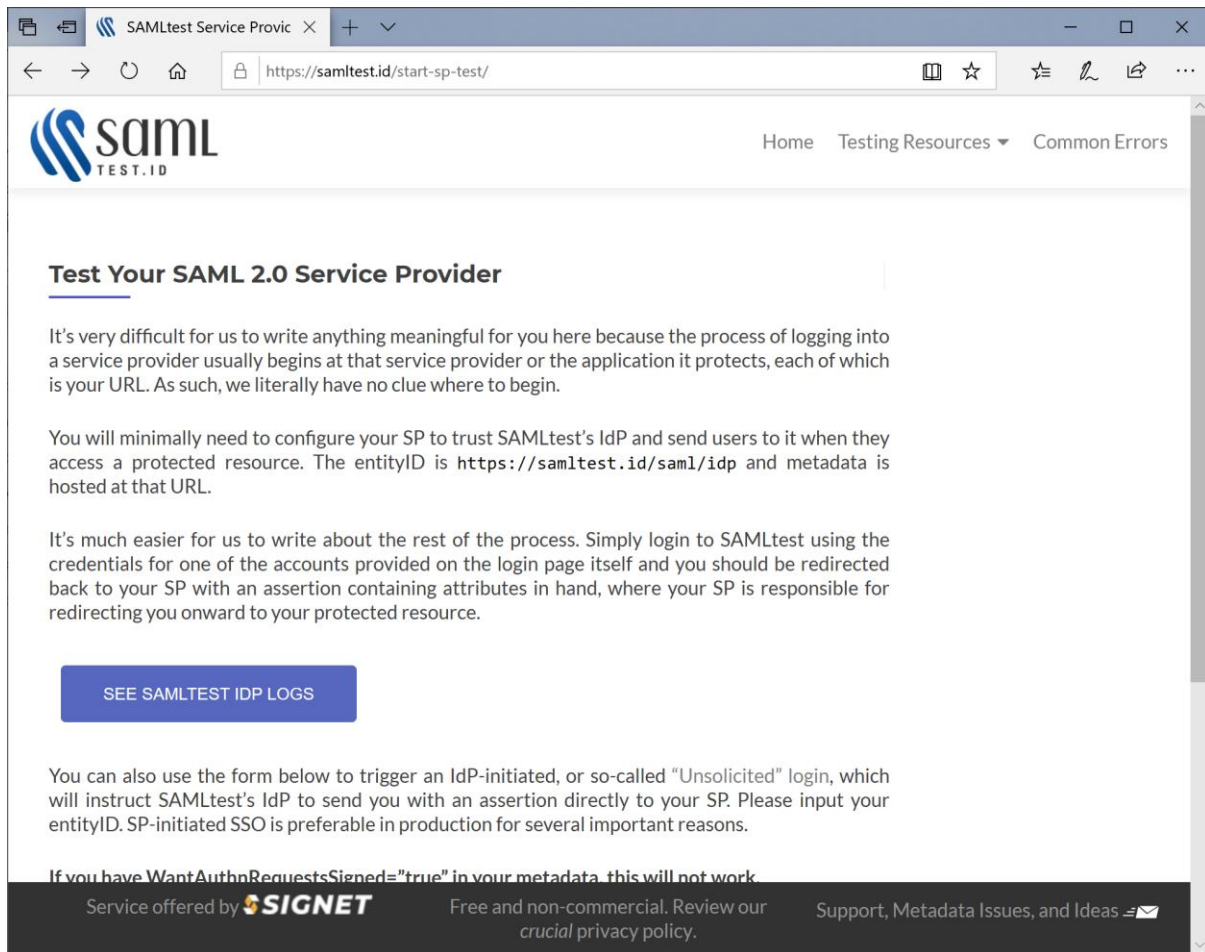
The test Shibboleth identity provider supports SP-initiated and IdP-initiated SAML logout.

Control remains at the IdP.



### Troubleshooting Shibboleth SSO

Click the Test Your SP button to review the IdP log.



The screenshot shows a web browser window with the address bar displaying <https://samltest.id/start-sp-test/>. The page features the SAMLtest logo and navigation links for Home, Testing Resources, and Common Errors. The main heading is "Test Your SAML 2.0 Service Provider". The text explains the difficulty of writing meaningful instructions for testing a service provider and provides a button labeled "SEE SAMLTEST IDP LOGS". It also describes how to trigger an IdP-initiated login and mentions a warning about metadata configuration. The footer includes the SIGNET logo and mentions that the service is free and non-commercial.

**Test Your SAML 2.0 Service Provider**

It's very difficult for us to write anything meaningful for you here because the process of logging into a service provider usually begins at that service provider or the application it protects, each of which is your URL. As such, we literally have no clue where to begin.

You will minimally need to configure your SP to trust SAMLtest's IdP and send users to it when they access a protected resource. The entityID is <https://samltest.id/saml/idp> and metadata is hosted at that URL.

It's much easier for us to write about the rest of the process. Simply login to SAMLtest using the credentials for one of the accounts provided on the login page itself and you should be redirected back to your SP with an assertion containing attributes in hand, where your SP is responsible for redirecting you onward to your protected resource.

[SEE SAMLTEST IDP LOGS](#)

You can also use the form below to trigger an IdP-initiated, or so-called "Unsolicited" login, which will instruct SAMLtest's IdP to send you with an assertion directly to your SP. Please input your entityID. SP-initiated SSO is preferable in production for several important reasons.

~~If you have `WantAuthnRequestsSigned=true` in your metadata, this will not work.~~

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Alternatively, review the log at <https://samltest.id/logs/idp.log>.