

# ComponentSpace

## SAML for ASP.NET Core

### 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.

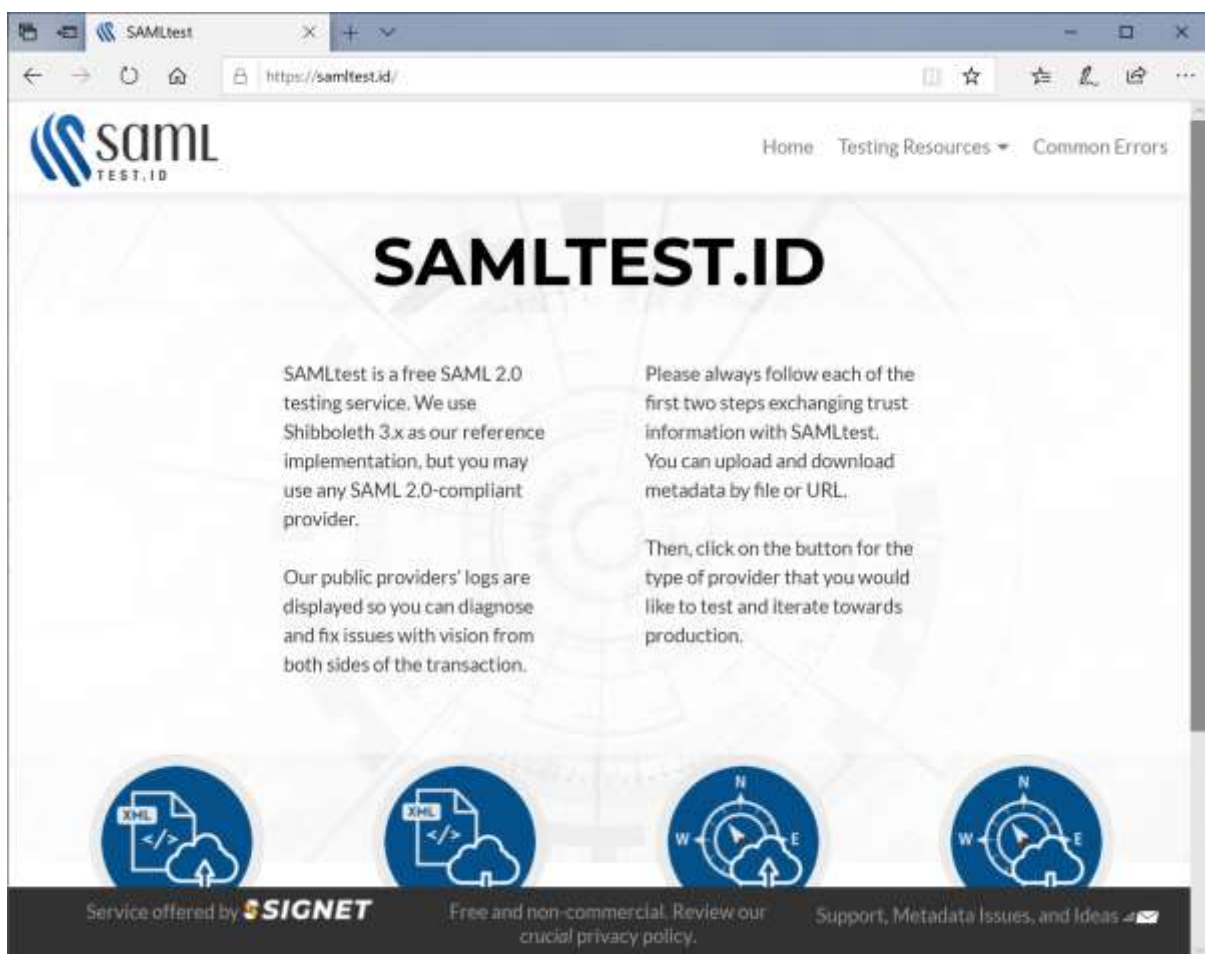
<https://www.shibboleth.net/>

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

## Configuring the Shibboleth Test Identity Provider

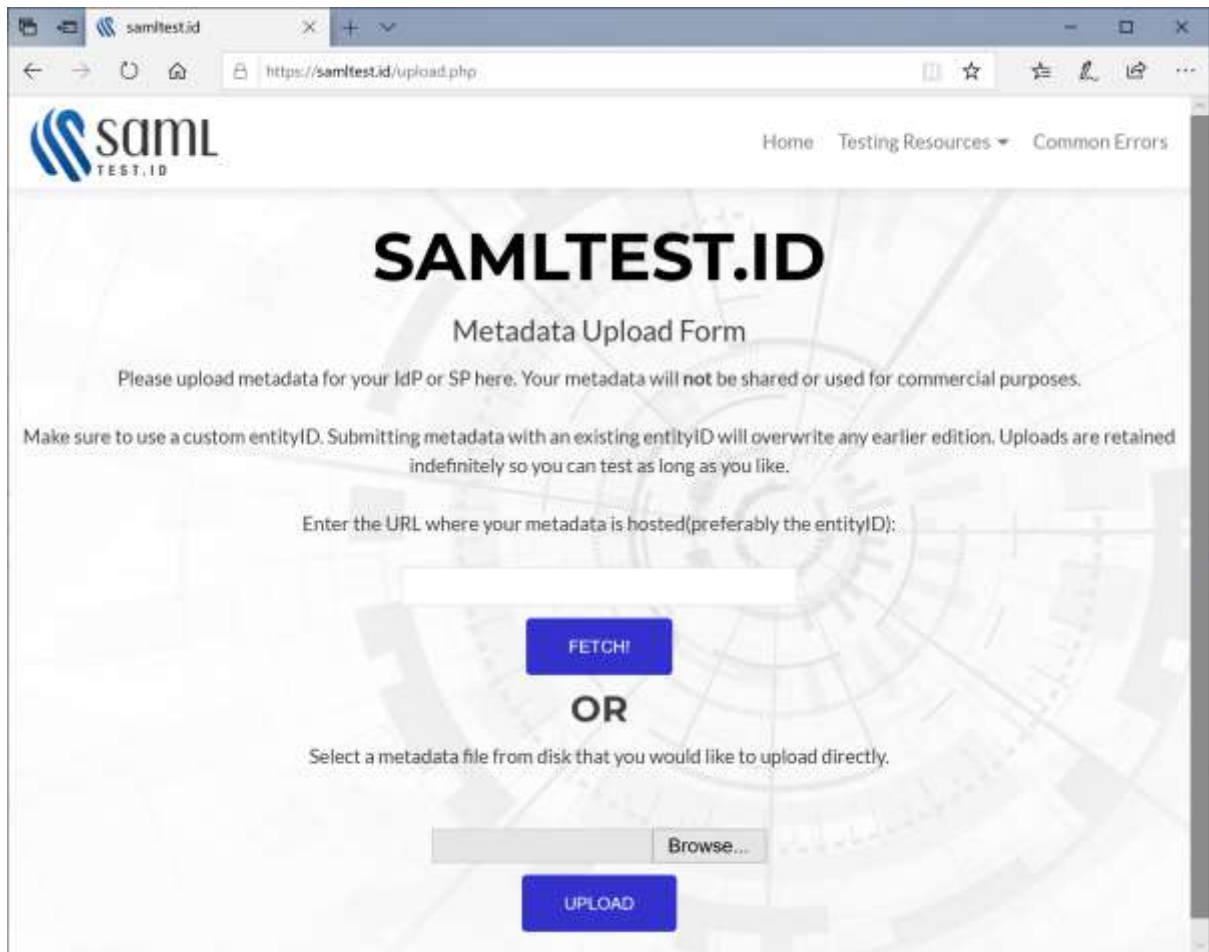
The Shibboleth test identity provider is available at:

<https://samltest.id/>

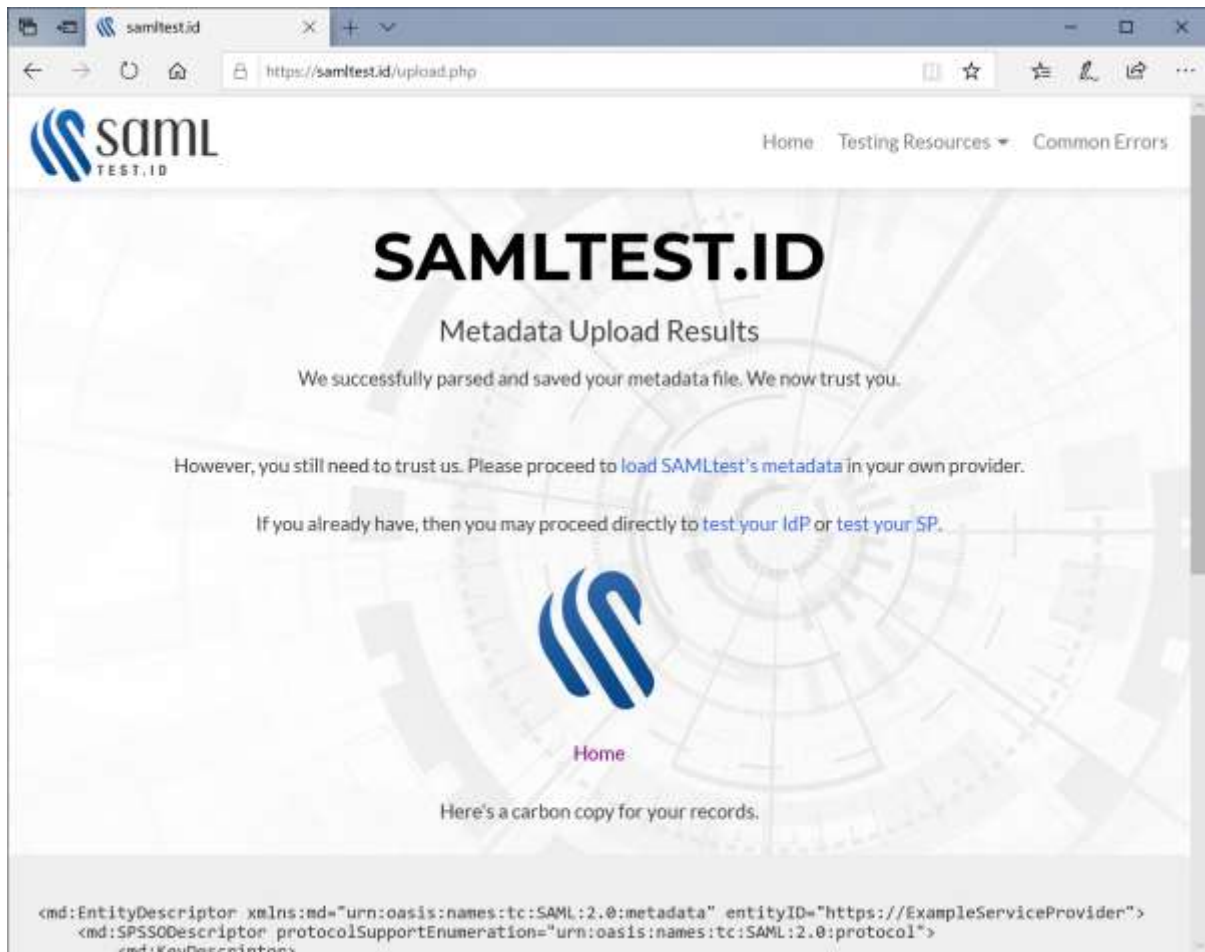


Click the Upload Metadata button and upload the example service provider's metadata.

The included SAML metadata for the ExampleServiceProvider is used.



The 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.

The screenshot shows a web browser window with the URL `https://samltest.id/download/`. The page title is "Download Metadata" and the sub-heading is "SAMLtest Metadata". The text on the page reads: "Remember to load the metadata of your partners: if you are an IdP, load SP metadata, and vice versa." Below this, there are three code blocks:

```
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 IdP="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"
  uri="https://samltest.id/saml/idp"
  backingFilePath="SAMLtest.xml">
  <!-- You should always check the signature and freshness of remote
```

At the bottom of the page, there is a footer with the text: "Service offered by SIGNET Free and non-commercial. Review our crucial privacy policy. Support, Metadata Issues, and Ideas".

## Service Provider Configuration

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

```
{
  "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": [
    {
      "FileName": "certificates/shibboleth1.cer"
    },
    {
      "FileName": "certificates/shibboleth2.cer"
    }
  ],
  "MappingRules": [
    {
      "Rule": "Rename",
      "Value": "mail"
    }
  ]
}
```

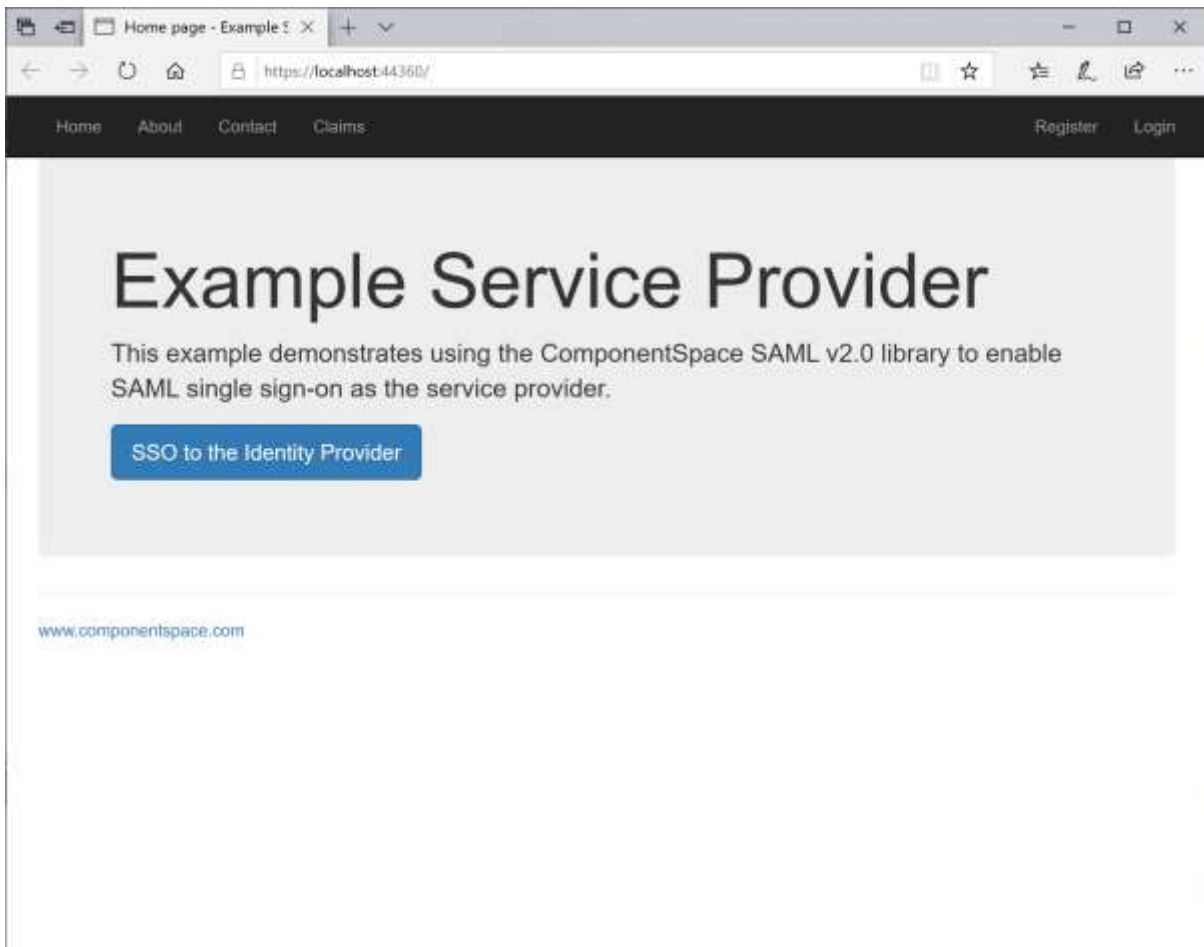
```
}  
]  
}
```

Ensure the PartnerName specifies the correct partner identity provider.

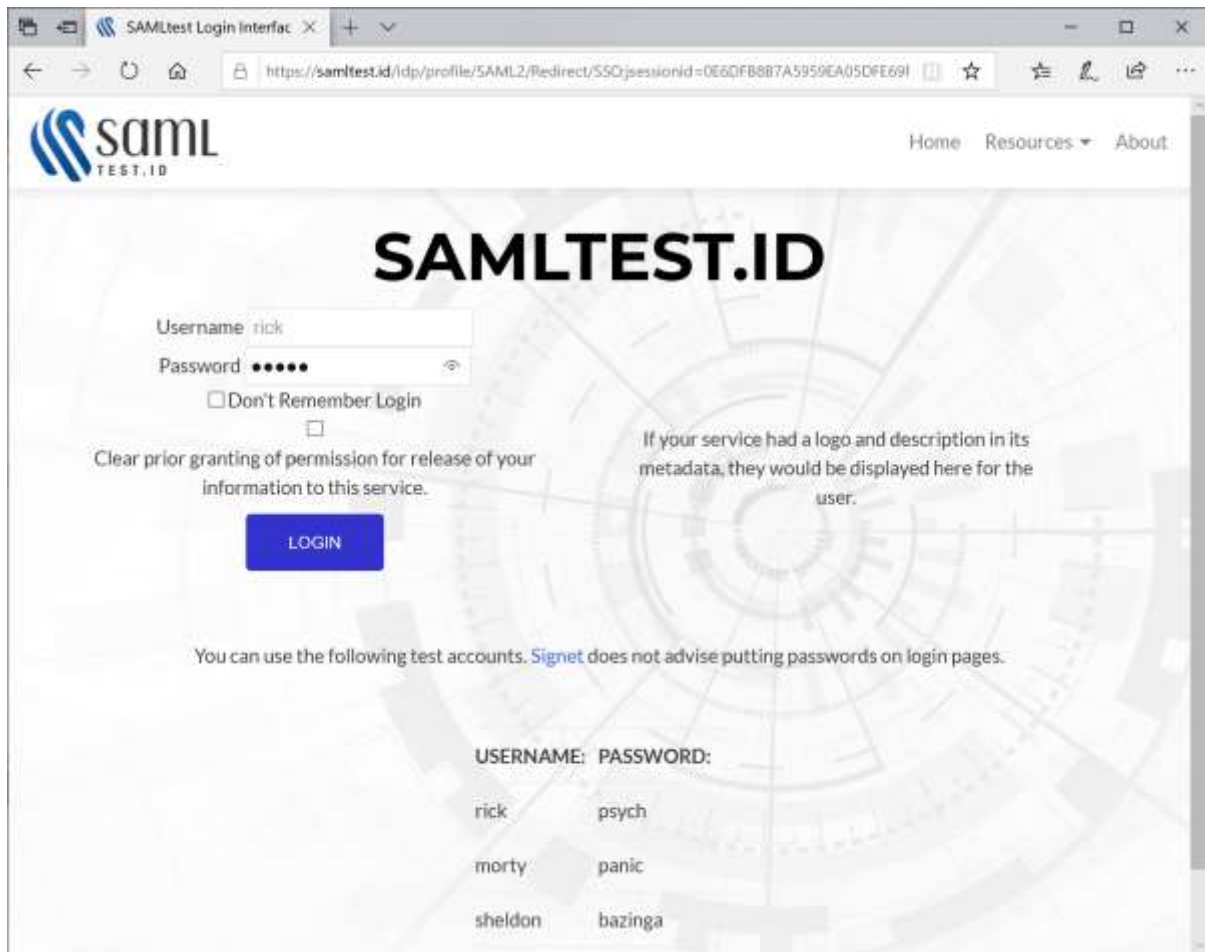
```
"PartnerName": "https://samltest.id/saml/idp"
```

## SP-Initiated SSO

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

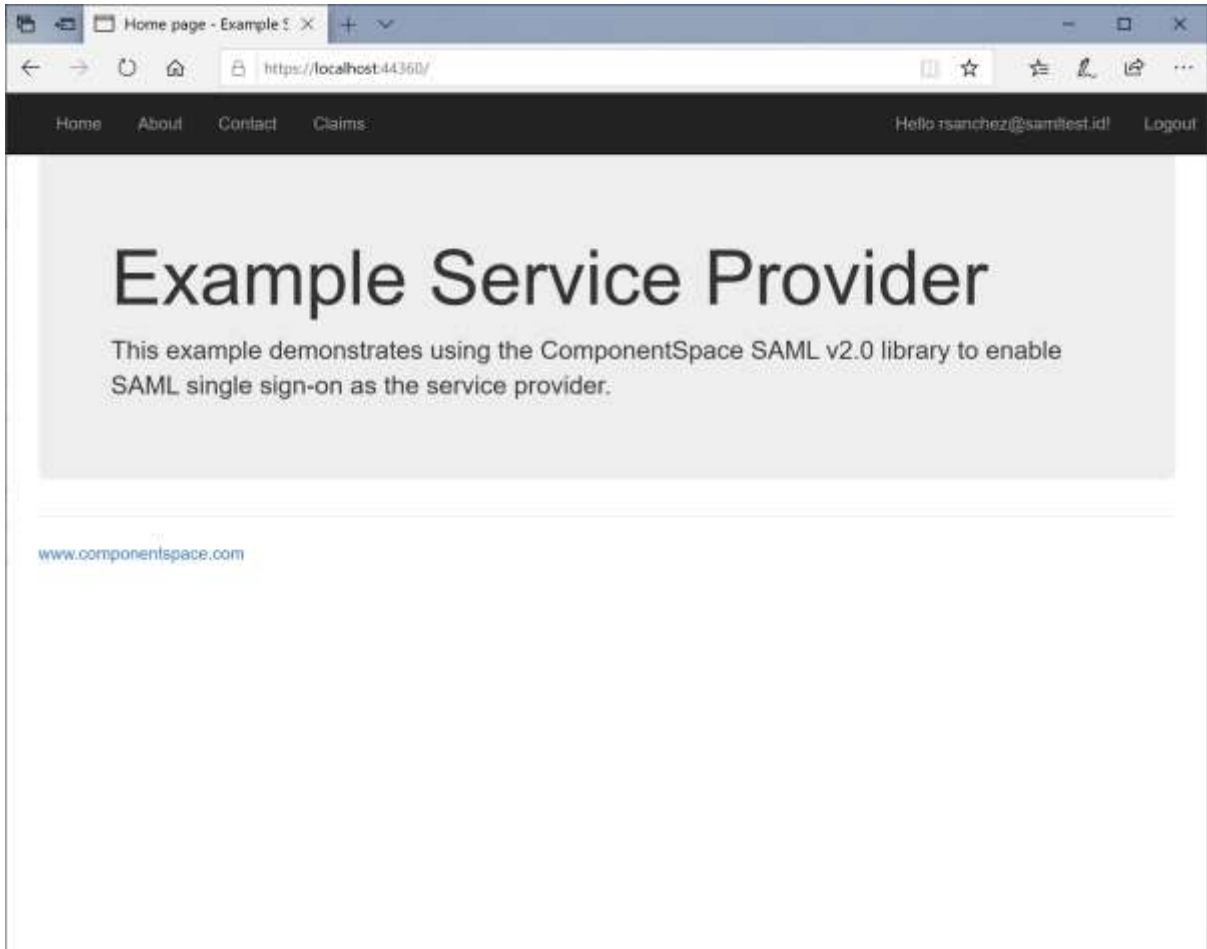


Log into Shibboleth.



The user is automatically logged in at the service provider.

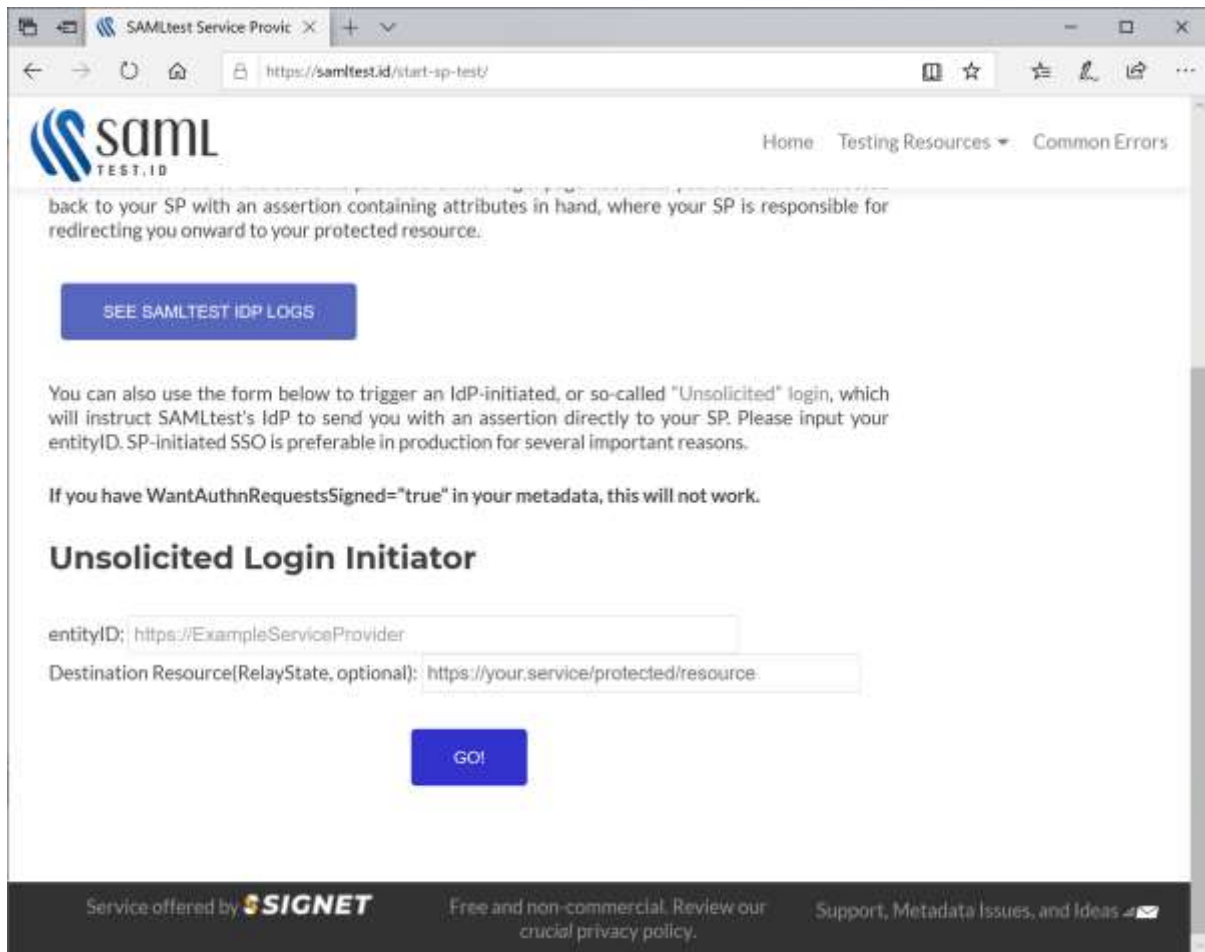




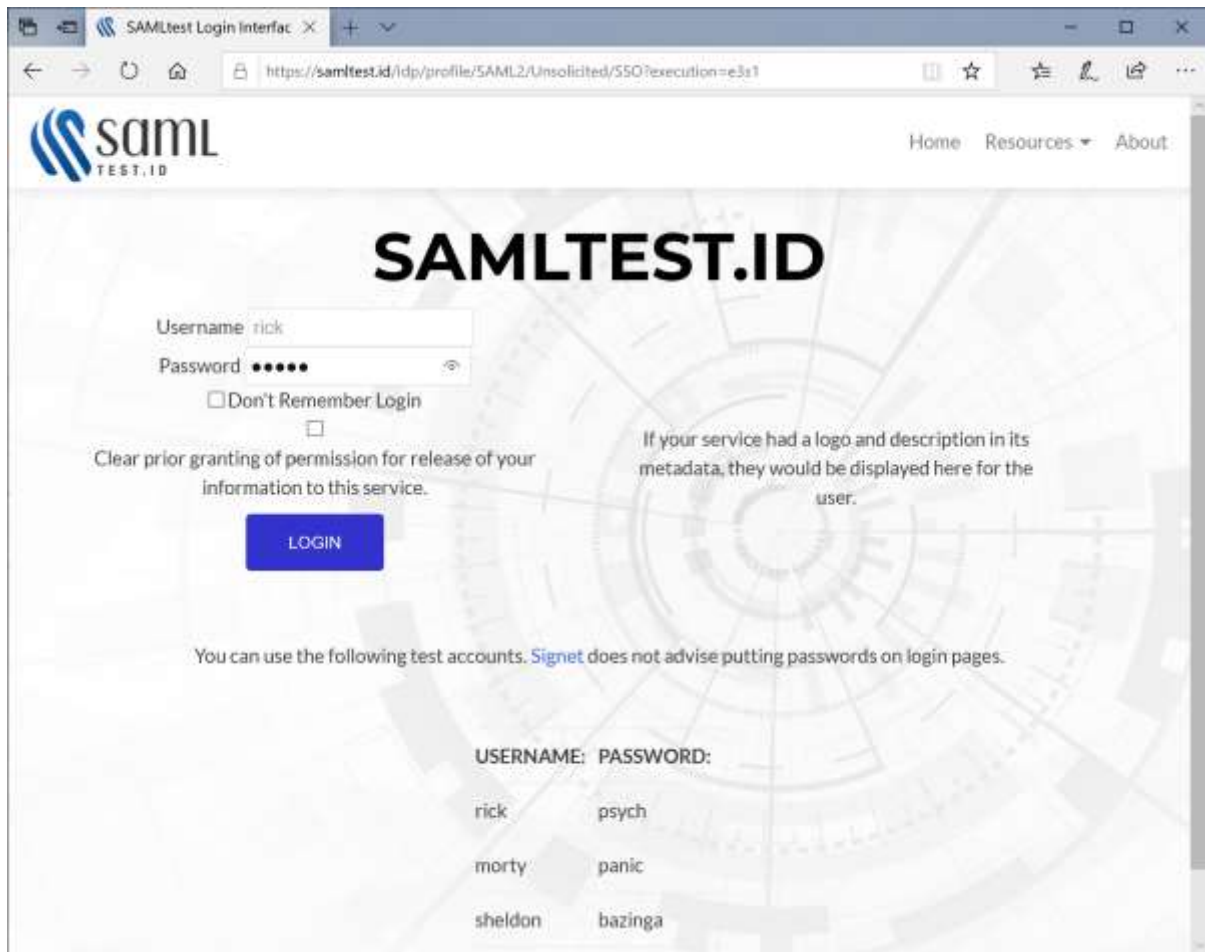
## IdP-Initiated SSO

Click the Test Your SP button.

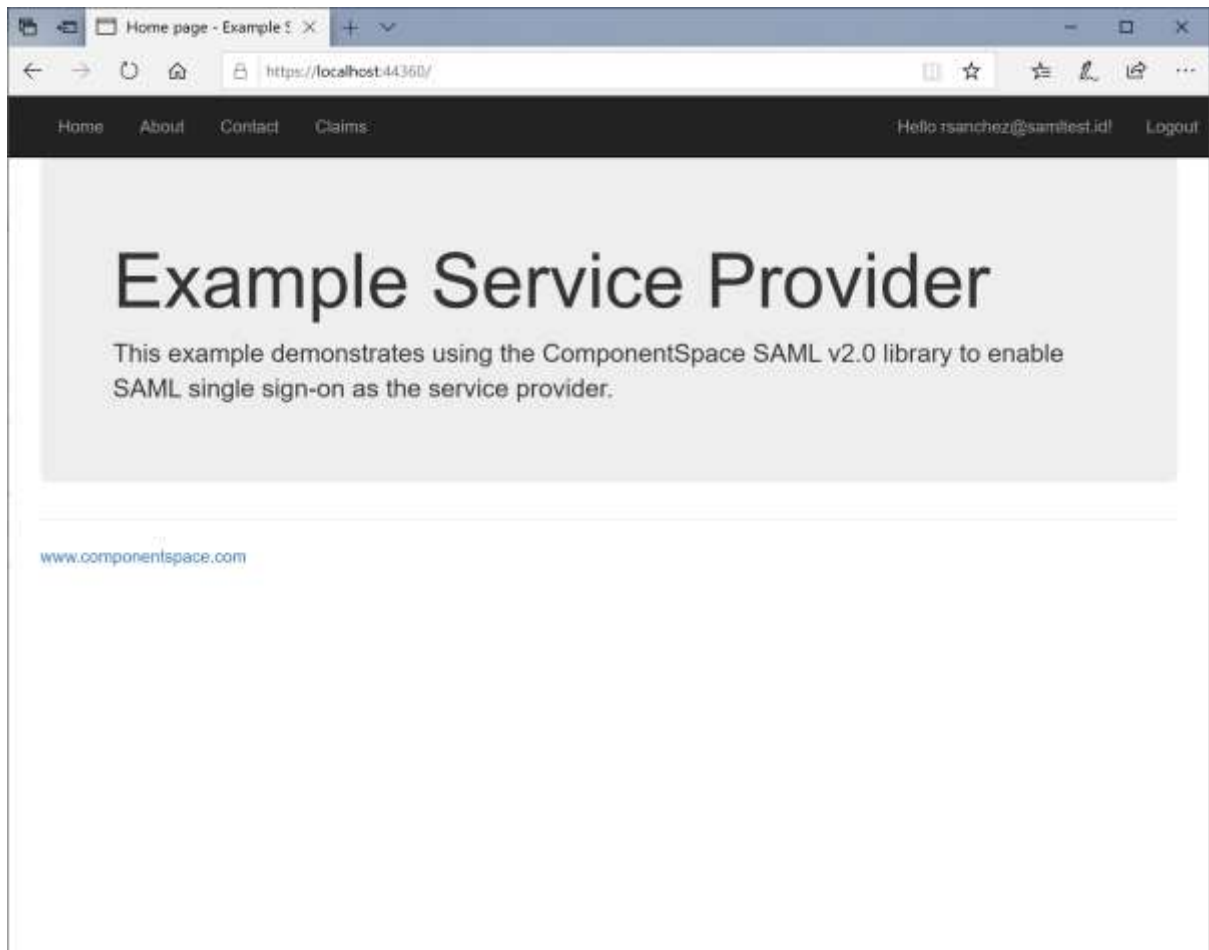
Specify the SP name as its entityID. The RelayState is optional.



Log into Shibboleth.



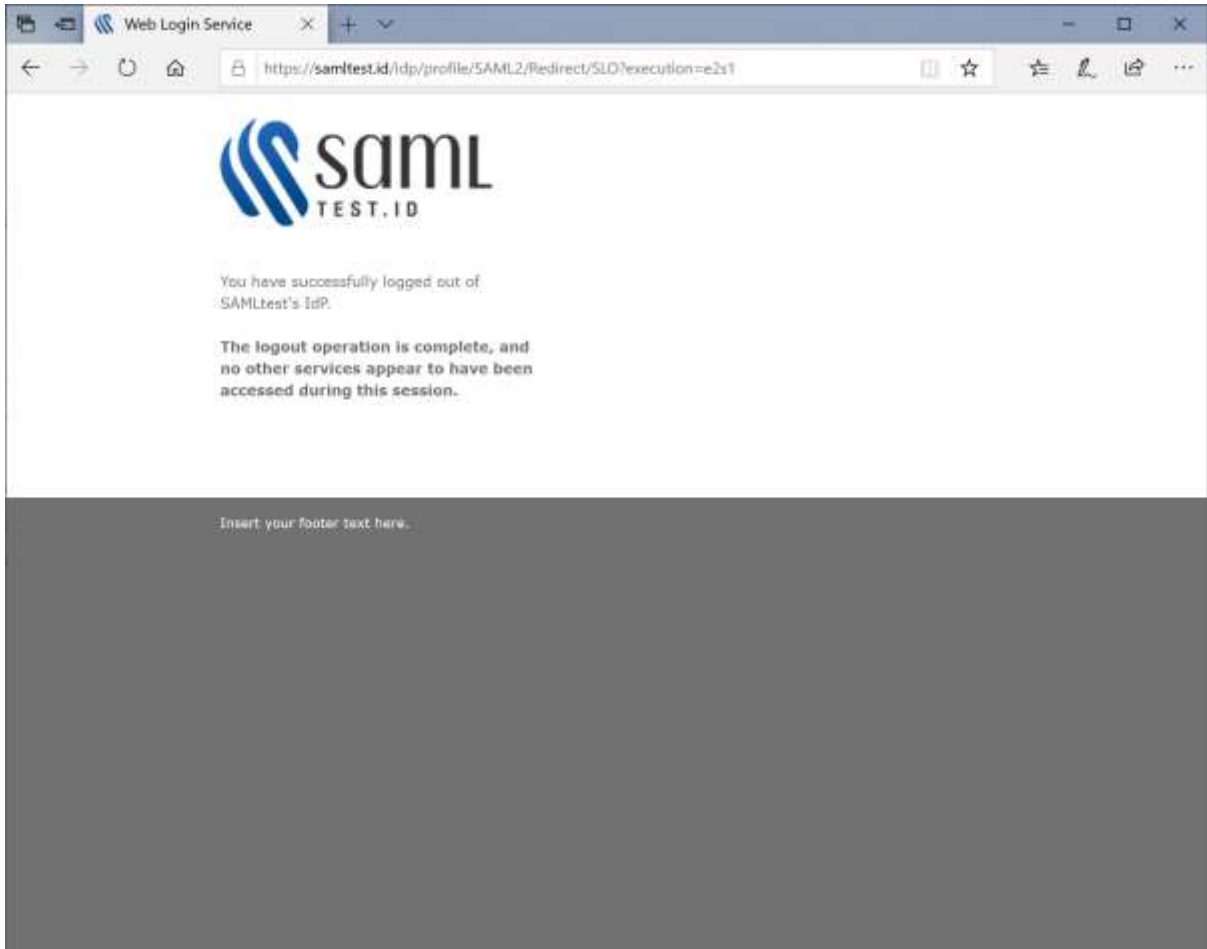
The user is automatically logged in at the service provider.



## SAML Logout

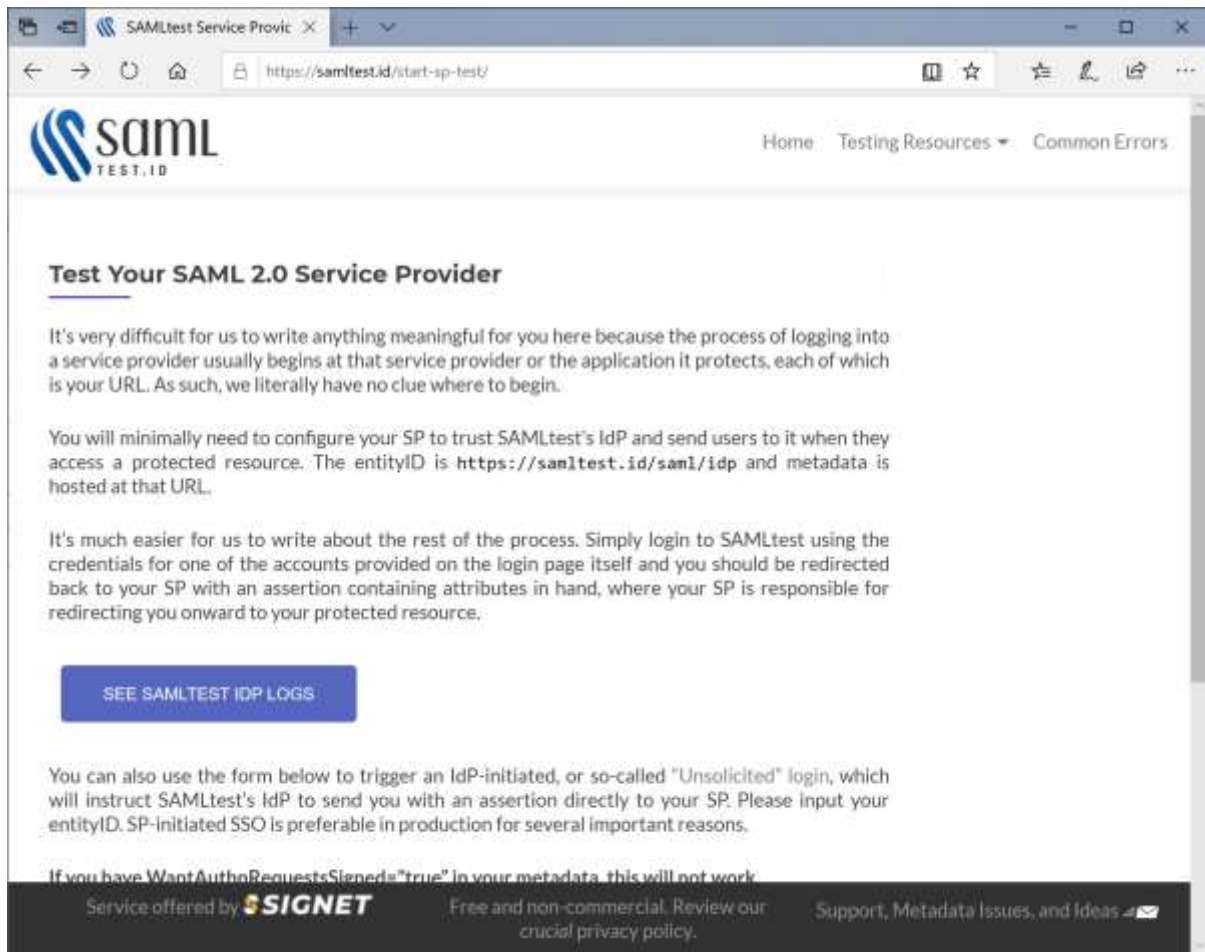
The test Shibboleth identity provider supports SP-initiated and IdP-initiated SAML logout.

Control remains at the IdP.



## Troubleshooting Shibboleth SSO

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



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