

University of Minnesota

## **Self-Help Guide**

# **Shibboleth**

Learn about Shibboleth, an open-source single sign-on infrastructure, and how to install and configure it.

## **Learn**

### **Learn About Shibboleth and Underlying Technologies**

#### **Learn About Underlying Technologies**

Before setting up Shibboleth for your application, get an understanding of the technologies that make Shibboleth happen.

Learn About Security Assertion Markup Language (SAML)

<https://wiki.oasis-open.org/security/FrontPage>

#### **Learn About Shibboleth**

Learn How Shibboleth Works

</services-technologies/resources/how-shibboleth-works>

Learn About the U of M Identity Provider

</services-technologies/resources/about-university-identity-provider>

Reference the Shibboleth Glossary

</services-technologies/resources/shibboleth-glossary>

#### **About the Shibboleth Community**

Learn About the InCommon Federation

<http://www.incommon.org/>

Shibboleth Support

<http://shibboleth.net/community/lists.html>

Information, support, and guides

## **Install and Configure**

### **Install Shibboleth Software**

#### **Install the Service Provider (SP) on a Self-Managed Server**

Shibboleth Setup Instructions for Linux, Windows, and mac OS

<https://wiki.shibboleth.net/confluence/display/SP3/Installation>

Install Shibboleth with Apache on Debian-based Systems

</services-technologies/resources/shibboleth-apache-debian-systems>

SimpleSAMLphp Service Provider QuickStart

<https://simplesamlphp.org/docs/stable/simplesamlphp-sp>

#### **Set Up your Service Provider (SP)**

Choose an Entity ID

</services-technologies/resources/choosing-your-shibboleth-entity-id>

Configure the SP Software

<https://tdx.umn.edu/TDClient/31/Portal/KB/ArticleDet?ID=7241>

Shibboleth Attribute Reference

<https://tdx.umn.edu/TDClient/31/Portal/KB/ArticleDet?ID=7258>

Instructions for GitHub access

[https://docs.google.com/document/d/1E1QFqDkTMfwevxf0g\\_tSUdQwmMLsMmvaynSo2Yj9Jl0..](https://docs.google.com/document/d/1E1QFqDkTMfwevxf0g_tSUdQwmMLsMmvaynSo2Yj9Jl0..)

If you are unable to access the link below, you will need to activate your GitHub account

UMN Shibboleth Attribute Map

<https://github.umn.edu/OIT-Identity-Management/iam-public/blob/master/attribute...>

Create Metadata

</services-technologies/resources/creating-metadata-file-your-sp>

Request Your Shibboleth Service Request

<https://tdx.umn.edu/TDClient/31/Portal/Requests/ServiceDet?ID=145>

Enable Duo Two-Factor Authentication for your SP

<https://tdx.umn.edu/TDCClient/31/Portal/KB/ArticleDet?ID=7239>

Two-Factor Auth provides additional security for enterprise applications

## **Use Configuration Tools**

Shibboleth's Lil Helper

[https://github.com/umn-asr/shibboleths\\_lil\\_helper](https://github.com/umn-asr/shibboleths_lil_helper)

A command-line tool to create configuration and metadata files for Shibboleth SPs

## **Troubleshoot**

Read the UMN Shibboleth FAQ

</services-technologies/resources/shibboleth-faq>

Official Shibboleth Troubleshooting Guide

<https://wiki.shibboleth.net/confluence/display/SP3/Troubleshooting>

# **Integrate and Implement**

## **Application Guide**

### **View Community-Contributed Implementation Resources**

See the UMN Community Shib GitHub Group

<https://github.com/umn-community-shib>

You must be an active Student, Staff, or Faculty member to view this page.

### **Configure Your Application to use your Shibboleth SP**

Use the UMN Shib Auth Ruby Gem

[https://github.com/umn-asrweb/umn\\_shib\\_auth](https://github.com/umn-asrweb/umn_shib_auth)

Configure Devise to use your Shibboleth SP

[https://github.com/jgeorge300/devise\\_shibboleth\\_authenticatable](https://github.com/jgeorge300/devise_shibboleth_authenticatable)

(for web apps that use Ruby on Rails' Devise framework)

Configure Apache to use your Shibboleth SP

</services-technologies/resources/configure-apache-use-your-shibboleth-sp>

(for controlling access to web pages served by Apache httpd)

View a list of Shibboleth-enabled applications and services

<https://wiki.shibboleth.net/confluence/display/SHIB2/ShibEnabled>