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
/node/45261
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..
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/TDClient/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
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.umn.edu/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.umn.edu/asrweb/umn_shib_auth
Configure Devise to use your Shibboleth SP
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