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#### SUPPORTED WEBSERVER

- › Apache
- › FastCGI Authenticator
- › IIS

#### SUPPORTED OS

- › OpenSUSE 11+
- › OS X 10.8+
- › RedHat 5+
- › SLES 10+
- › Solaris 2.0+
- › Windows XP/2003/2008



The Service Provider SSO-enables and Federation-enables web applications written with any programming language or framework, integrating natively with popular web servers such as Apache and IIS. A loosely coupled integration strategy allows you to support SAML, rich attribute-exchange, and many value-added features, often without significantly changing your application code or using proprietary interfaces.

#### The normal Service Provider process is:

- Intercept access to a protected resource or application entry point.
- Discover the user's choice of Identity Provider.
- Issue a SAML authentication request to the selected Identity Provider.
- Process the SAML authentication responses and extract rich user information.
- Apply local policies and gather additional data.
- Pass rich identity information to application resources.

#### Key Features

- Support for Apache and IIS web servers and FastCGI authenticators on a wide range of platforms, including Windows, Linux, OS X, and Solaris.
- Excellent scalability in both user load and management of Identity Providers.
- Support for virtualization of web servers and applications.
- Works with all compliant SAML implementations.
- A variety of authorization and policy-oriented features.

Shibboleth 2.x / Home / Installation and Configuration

## Installation

Created by Nate Klingerstein, last modified by Sara Hopkins on Jan 23, 2014

### Shibboleth Installation

Shibboleth consists of several individual components: the identity provider (IdP), service provider (SP), and discovery service (DS). You may choose to deploy one or more of these components depending on your needs. The instructions listed here only cover installation of the components. You must **configure the software after installation**.

You should always install the most recent release of any software component.

#### Before you begin

- Prior to installation you should review the [Understanding Shibboleth](#) documentation and the [Introduction to the message flows](#).
- For upgrades, you should review the [pages on important changes](#) that may be required to upgrade safely. Links can be found below.
- If you have questions during installation you should (in this order):
  1. Refer to the [installation and configuration](#) documentation
  2. Check the [troubleshooting guides](#)
  3. Check the [users mailing list archive](#) to see if other people have had the same problem and what the solution was
  4. Ask a question for help on the [users mailing list](#)
- If you are upgrading an IdP or SP which is registered with a federation, you should contact the federation operators, give them access to the new metadata for the entity, and tell them what version of the software you have installed. (Otherwise, they have no way of knowing that you have changed your configuration, and will continue to include your old metadata in any federation metadata aggregate which they publish.)
- After installation, you should also subscribe to the [Shibboleth Announcement mailing list](#). This is where announcements about new releases, end-of-life of past releases, and security advisories are distributed.

#### Installation Instructions

<p><b>Identity Provider (IdP)</b></p> <p><a href="#">Install the IdP</a>  <a href="#">Upgrade 2.x</a></p> <p><a href="#">Upgrade from 2.0/2.1 to 2.2</a>  <a href="#">Upgrade from 1.3 to 2.x</a></p> <p><a href="#">Changes in New Releases</a>  <a href="#">New Features</a></p>	<p><b>Native Service Provider (SP)</b></p> <p><a href="#">Install on Linux</a>  <a href="#">Install on Mac OS X</a>  <a href="#">Install on Solaris</a>  <a href="#">Install on Windows</a>  <a href="#">Install for Java Servlets</a></p> <p><a href="#">Upgrade from 1.3 to 2.x</a>  <a href="#">Changes in New Releases</a>  <a href="#">Configuration Reference</a></p>	<p><b>Discovery Service (DS)</b></p> <p><a href="#">Install into a standard container</a></p>
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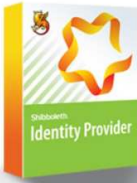
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## Shibboleth Identity Provider

The **Identity Provider** provides Single Sign-On services and extends reach into other organizations and new services through authentication of users and securely providing appropriate data to requesting services. In addition to a simple yes/no response to an authentication request, the Identity Provider can provide a rich set of user-related data to the Service Provider. This data can help the service provide a more personalized user experience, save the user from having to manually enter data the service requires, and refresh the data each time the user logs onto the service.

https://wiki.shibboleth.net/confluence/display/SHIB2/IdPInstall

IdPInstall - Shibboleth

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Shibboleth 2.x / ... / Installation

## IdPInstall

Created by Unknown User (lajoie@idp.protectnetwork.org), last modified by Michael Grady on Mar 29, 2014

**Installing the IdP**

This is an installation guide. For an introduction to the identity provider or Shibboleth, please refer to [Understanding Shibboleth](#).

**Before You Begin**

Before you begin you should collect the following things:

- an SSL certificate that you'll use to secure your IdP's browser-facing HTTP connection
- a source of SAML Metadata for the service provider(s) your IdP will communicate with (this could come from a Federation you've joined, directly from the SP(s), or created and maintained by hand by you)

The installation process will generate the following information for you:

- the IdP's entity ID
- a keypair and self-signed certificate used for signing and encryption (these are not used for browser-facing HTTP connections to your server)
- the IdP's initial metadata

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## Performing the Install

The Shibboleth Identity Provider, version 2, is a standard Java web application based on the Servlet 2.4 specification.

- Prepare your Servlet container: **Jetty 7, Apache Tomcat, JBoss Tomcat, Glassfish**
  - If you are unsure which to choose, most people use Apache Tomcat, but since there are limitations on use of Tomcat 7, Jetty is now a preferred option.
  - Linux deployers may want to take a look at [IdPLinuxNonRoot](#).
- Download the latest **Identity Provider** software package.
- Unzip the archive you downloaded: `jar -xvf shibboleth-identityprovider-VERSION-bin.zip`
- Change into the newly created IdP distribution directory, `shibboleth-identityprovider-VERSION`
- Run either `.install.sh` (on Unix systems) or `install.bat` (on Windows systems).
  - The installation directory given during installation will be known as `IDP_HOME` throughout this document.
- Deploy the IdP WAR file, located in `IDP_HOME/war/`. See the Servlet container preparation notes for the best approach for doing this.

After the installation script has completed the IdP home directory will have been created, here's a brief description of what you'll find in it:

- `bin/` - This directory contains various tools useful in running, testing, or deploying the IdP
- `conf/` - This directory contains all the configuration files for the IdP
- `credentials/` - This is where the IdP's signing and encryption credential, called `idp.key` and `idp.crt`, is stored
- `lib/` - This directory contains various code libraries used by the tools in `bin/`
- `logs/` - This directory contains the log files for the IdP

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Name	Last modified	Size
<a href="#">Parent Directory</a>		-
<a href="#">shibboleth-identityprovider-2.4.0-bin.tar.gz</a>	17-Apr-2013 11:50	24M
<a href="#">shibboleth-identityprovider-2.4.0-bin.tar.gz.asc</a>	17-Apr-2013 11:50	827
<a href="#">shibboleth-identityprovider-2.4.0-bin.tar.gz.md5</a>	17-Apr-2013 11:50	32
<a href="#">shibboleth-identityprovider-2.4.0-bin.zip</a>	17-Apr-2013 11:50	24M
<a href="#">shibboleth-identityprovider-2.4.0-bin.zip.asc</a>	17-Apr-2013 11:50	827
<a href="#">shibboleth-identityprovider-2.4.0-bin.zip.md5</a>	17-Apr-2013 11:50	32
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<a href="#">shibboleth-identityprovider-2.4.0.msi.asc</a>	20-Apr-2013 13:33	851
<a href="#">shibboleth-identityprovider-2.4.0.msi.md5</a>	20-Apr-2013 13:33	77

Apache/2.2.3 (CentOS) Server at shibboleth.net Port 443