

SHRINE 4.0.0 Appendix A.2 - Quick Configuration

The following instructions are meant to get you going as quickly as possible. If you want a better understanding of what's going on, go to the "More Details" sections of this document.

Configuration Directories

In summary, the directories containing configuration files which need to be modified are:

```
/opt/shrine/tomcat/conf/ Tomcat configuration files
/opt/shrine/tomcat/lib/ Shrine config files
/etc/shibboleth/ Shibboleth configuration files
/etc/httpd/** Apache configuration files
/var/www/html/ Apache static content as set in, for instance, /etc/httpd/conf/httpd.conf
```

Configuration files to create from scratch or to import

	Location on SP	Description
key pair	/etc /shibboleth /sp-key.pem /etc /shibboleth /sp-cert.pem	If the Shibboleth installer has not already done so, create a key pair; include the content of the public key certificate (sp-cert.pem) in sp-metadata.xml (see below), and the paths of the key and certificate as xml attributes of the <CredentialResolver> element of shibboleth2.xml (see below) To create a key pair, use /etc/shibboleth/keygen.sh ; as per https://shibboleth.atlassian.net/wiki/spaces/SP3/pages/2067398706/keygen and also https://docs.shib.ncsu.edu/docs/configure/index.html . You don't need to create separate key pairs for signing and for encryption.
idp-metadata.xml	/etc /shibboleth /idp-metadata.xml	A copy of your idP's metadata. You'll need to ask the admin(s) of your idP for a copy of it, most likely over a secure channel. Rename it to idp-metadata.xml and put it in /etc/shibboleth

Configuration files based on samples in Git

Sample configuration files can be found in the nightly shrine-setup zip file located at <https://repo.open.catalyst.harvard.edu/nexus/content/groups/public/net/shrine/shrine-setup/4.0.0/shrine-setup-4.0.0-dist.zip>

- sso/apache/sp.conf-sample
- sso/apache/sp-metadata.xml-sample
- sso/shibboleth/attribute-map.xml-sample
- sso/shibboleth/shibboleth2.xml-sample
- sso/tomcat/server.xml-sample
- sso/shrine/shrine.conf-sample
- sso/shrine/override.conf-sample

Copy these files to the location on the SP (i.e. your server) indicated in the table below. Remove the "-sample" from the file names. Overwrite the existing config files.

Then search for the marker: 'ADJUST_FOR_YOUR_SITE' in each of these files for indications of what / where you need to edit them.

Location in zip file	Location on SP	Description
sso/apache/sp-metadata.xml-sample	/var/www/html/sp-metadata.xml – as long as your Apache configuration sets DocumentRoot to /var/www/html (for instance in /etc/httpd/conf/httpd.conf)	To be shared dynamically with your site's IdP (i.e. make it available as a document at the document root and share that URL with your IdP's maintainers/admins); or omit from the SP's (i.e. your) web server, and instead share it securely with the IdP admins whenever it changes (if it does) In either case, populate the entityID , public key certificate , and consumer service location with yours.

<pre>sso /shibboleth /shibboleth2.xml-sample</pre>	<pre>/etc/shibboleth /shibboleth2.xml</pre>	<p>Populate the entityID attribute in <code><ApplicationDefaults></code> to match your entityID in <code>sp-metadata.xml</code>.</p> <p>Populate the entityID attribute in <code><SSO></code> to match the idP's entityID in <code>idp-metadata.xml</code>.</p> <p>Populate the supportContact attribute of the <code><Errors></code> element with an email address.</p> <p>The <code><CredentialResolver></code> element specifies the private+public key to use for encryption and signing while communicating with the idP. If you put the keys in the location specified above and the private key is not password-protected, then there is no need to modify this element. Otherwise edit this file to reflect the location of the keys and optionally the private key password.</p> <p>The private key should be stored in a "safe" location. If it is password-protected, that should be reflected in the <code><CredentialResolver></code>'s <code>password</code> attribute.</p>
<pre>sso /shibboleth /attribute-map.xml-sample</pre>	<pre>/etc/shibboleth /attribute-map.xml</pre>	<p>Populate the idP's attribute name for the user; to be mapped to the attribute id "userid"</p>
<pre>sso /apache /sp.conf-sample</pre>	<pre>/etc/httpd/conf.d/sp.conf</pre>	<p>Populate the ServerName, ProxyPass and Header set Access-Control-Allow-Origin directives with your hostname.</p>
<pre>sso /tomcat /server.xml-sample</pre>	<pre>/opt/shrine/tomcat/conf /server.xml</pre>	<p>Most likely the following 3 attributes of <code><Connector port="6443"... /></code> are already populated, but if not then populate certificateKeystoreFile, certificateKeystorePassword, certificateKeyAlias.</p> <p>You will need to populate proxyName in the <code>AjpNio2Protocol</code> connector.</p> <p>Once done, Merge the contents of <code>server.xml-sample</code> into the existing <code>/opt/shrine/tomcat/conf/server.xml</code>.</p>
<pre>sso /shrine /shrine.conf-sample or /opt/shrine/tomcat/lib /override.conf or sso /shrine /override.conf-sample</pre>	<pre>/opt/shrine/tomcat/lib /shrine.conf or /opt/shrine/tomcat/lib /override.conf</pre>	<p>Set Shrine configuration options for using SSO for login/logout.</p> <p>In <code>override.conf</code> it would look like:</p> <ul style="list-style-type: none"> • Specify that we are using SSO: <code>shrine.queryEntryPoint.authenticationType = "sso"</code> • Specify the logout URL (<code>shrine.webclient.ssoLogoutUrl</code>) = (see <code>override.conf-sample</code>) • Specify Shrine's session timeout as such: <code>shrine.webclient.sessionTimeout = "30 minutes"</code>. <p>You should use either file and merge it into the existing <code>shrine.conf</code> or <code>override.conf</code> in <code>/opt/shrine/tomcat/lib</code></p>

Next Steps:

Fast forward to [SHRINE 4.0.0 Appendix A.8 - Starting and Stopping the Software](#)

or

Read the "More Details" pages that follow, starting with [SHRINE 4.0.0 Appendix A.3 - More Details : Shibboleth Configuration](#)