

# SourceAccess

See [Source Code Access](#) for repository information.

## Building the Java Source Code

The shibboleth project uses [Apache Maven 2](#) as its build system and as such you will need Maven installed if you wish to build Shibboleth from source.

### IdP

It is recommended that you use the java-idp-main repository, REL\_2 branch, when building the Java IdP. This repository contains SVN externals that causes the latest java-shib-common and java-idp code to be checked out as well. It also contains a Maven project file that will build both projects. The final results will be in the java-idp/target directory. Additionally the project will aggregate the junit, javadoc, and jxr reports and place them in the java-idp-main /target/site directory.

To build everything use the following commands:

#### Building and installing the latest Java v2 parent Maven project

```
$ git clone https://git.shibboleth.net/java-parent-project-v2
$ cd java-parent-project-v2
$ mvn -DskipTests install
```

#### Building the latest OpenSAML2 version from source

```
$ svn co https://svn.shibboleth.net/java-opensaml2-main/branches/REL_2 java-opensaml2-main
$ cd java-opensaml2-main
$ mvn -DskipTests install
```

#### Building the latest IdP version from source

```
$ svn co https://svn.shibboleth.net/java-shib-idp2-main/branches/REL_2 java-shib-idp2-main
$ cd java-shib-idp2-main
$ mvn -DskipTests install
```

The resulting files will be in the java-shib-idp2-main/java-shib-idp2/target directory.

## Discovery Service

Checkout the java-wayf, REL\_1 branch. Run *mvn install*

## Building the C++ Source Code

The various projects that contain C++ source are offered with both Windows IDE project files and autoconf-based Unix packages using the standard configure/make/make install sequence. Detailed information on source builds is available from the OS-specific pages linked on the [Installation](#) topic. There's also a page describing the [overall C++ development](#) process.