

Java Authentication and Authorization Service

The JAAS is a [Java](#) security framework for user-centric security to augment the Java code-based security. Repertoire Server uses JAAS as its authentication and authorization services. The JAAS for Repertoire Server is configured at the <ERS Installation>/config/auth.conf file.

<ERS Installation>/config/auth.conf

ERS2

```
{  
    //com.elixirtech.ers2.security.UserRoleLoginModule required;  
    com.elixirtech.ers2.security.db.DBUserRoleLoginModule required;  
};
```

If integration is necessary to work with other types of JAAS module, the following steps are required.

1. Understand how JAAS works
2. Understand how the 3rd party JAAS component works
3. Determine how to configure the Repertoire Server to use the 3rd party JAAS components
4. Write Java custom code to map JAAS login information to Repertoire Server's login information

Here is a more detailed example using Jetty's JAAS component (see <http://docs.codehaus.org/display/JETTY/JAAS> for details)

1. Copy **jetty-plus-6.1.0.jar** into /ext
2. Create a new **auth.conf** file under the /bin folder
3. Modify the content of **auth.conf** to

- **Modified auth.conf**

```
ERS2  
{
```

```
//com.elixirtech.ers2.security.UserRoleLoginModule required;  
//com.elixirtech.ers2.security.db.DBUserRoleLoginModule required;  
//  
org.mortbay.jetty.plus.jaas.spi.PropertyFileLoginModule required  
debug="true"  
file="login.properties";  
  
};
```

4. Create **login.properties** (Following the instructions from <http://docs.codehaus.org/display/JETTY/Securing+Passwords>)

- **login.properties**

```
##  
me=me  
admin= OBF:1v2p1v1p,admin  
##
```

5. Add a line **-Djava.security.auth.login.config=auth.conf** to your `startServer.sh/bat` file. This instructs the JVM to pick up the `/bin/auth.conf` file and use it as the security module.
6. As each unique JAAS module works differently, custom codes need to be implemented to make the integration possible. For Repertoire Server 7.x, the login information is based on IDs while JAAS is based on username. Therefore custom codes need to be implemented.
7. Email support@elixirtech.com for more details on how this can be achieved.

Q: Is it possible to configure Repertoire Server to authenticate to 2 or more security mechanisms?

A: It is possible to have Repertoire Server authenticate to 2 or more JAAS components. Configure all the modules to "required". The possible methods are: required, requisite, sufficient and optional.