

Grouper web services - authentication - custom authn

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If you want custom authentication (e.g. pass in a token, and decode it), then implement the interface `edu.internet2.middleware.grouper.ws.security.WsCustomAuthentication` and configure your fully qualified classname in the `grouper-ws.properties`. The default is an implementation of this interface as an example: `edu.internet2.middleware.grouper.ws.security.WsGrouperDefaultAuthentication`, which just gets the user from the container: `HttpServletRequest.getUserPrincipal().getName()`

```
/**
 * <pre>
 * implement this interface and provide the class to the classpath and grouper-ws.properties
 * to override the default of HttpServletRequest.getUserPrincipal();
 * for non-Rampart authentication
 *
 * if user is not found, throw a runtime exception. Could be WsInvalidQueryException
 * which is a type of runtime exception (experiment and see what you want the response to
 * look like)
 *
 * </pre>
 */
public interface WsCustomAuthentication {

    /**
     * retrieve the current username (subjectId) from the request object.
     * @param HttpServletRequest
     * @return the logged in username (subjectId)
     * @throws WsInvalidQueryException if there is a problem
     */
    public String retrieveLoggedInSubjectId(HttpServletRequest httpRequest)
        throws WsInvalidQueryException;

}
```

Manage users

Manage users in the implemented system

Configure

Note the file locations in the container are listed in the [v2.5 container documentation](#)

File	Value	Description
<code>grouper.hibernate.properties</code>	<code>grouper.is.ws.basicAuthn=false</code>	This is the default provided with container, do not overlay
<code>web.xml</code>	Should be an empty element	This is the default provided with container, do not overlay
<code>server.xml</code>	ajp 8009 connector element: <code>tomcatAuthentication="false"</code>	This is the default provided with container, do not overlay Tomcat is not doing authn so that attribute needs to be false

grouper-ws.properties	<pre># to provide custom authentication (instead of the default HttpServletRequest.getUserPrincipal()) # for non-Rampart authentication. Class must implement the interface: # edu.internet2.middleware.grouper.ws.security. WsCustomAuthentication # class must be fully qualified. e.g. edu.school.whatever. MyAuthenticator # blank means use default: edu.internet2.middleware.grouper.ws. security.WsGrouperDefaultAuthentication ws.security.non-rampart.authentication.class = edu.school.edu. authn.WhateverImpl</pre>	Overlay the grouper-ws.properties or configure in the database.
whateverCustom.jar	copy to: /opt/grouper/grouperWebapp/WEB-INF/libWs	WS jars go in that directory
grouper-www.conf	Do not have any authn directives here	This is the default provided with container, do not overlay