Oracle® Enterprise Repository

Container Managed Setup and Configuration Guide

10*g* Release 3 (10.3)

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Primary Author: Vimmika Dinesh

Contributing Author: Scott Spieker, Jeff Schieli, Sharon Fay

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Overview

The container is configured appropriately with a Realm or Authenticator back-end prior to enabling the values within the Oracle Enterprise Repository application.

Configure the Container to Support Realm Authentication

Please refer to your application server configuration documentation to define a security realm. A sample realm configuration for Tomcat is mentioned below:

An example realm configuration for Tomcat 5.5.x is mentioned below. This realm definition is included within the **$CATALINA_HOME/conf/server.xml** file. NOTE: Only one realm can be active within the **$CATALINA_HOME/conf/server.xml** file at a time.

```
<Realm className="org.apache.catalina.realm.JNDIRealm"
      debug="99"
      connectionURL="ldap://ldap1.example.com:389"
      alternateURL="ldap://ldap2.example.com:636"
      contextFactory="com.sun.jndi.ldap.LdapCtxFactory"
      authentication="simple"
      referrals="follow"
      userBase="OU=people,DC=example,DC=com"
      userSubtree="true"
      userSearch="(uid={0})"
      userRoleName="employeeType"
      roleBase="ou=groups,DC=example,DC=com"
      roleName="cn"
      roleSearch="(uniqueMember={0})"
      roleSubtree="true"/>
```

If you would want to use the UserDatabaseRealm defined within Tomcat, which is enabled by default, then you can set the contents of your **CATALINA_HOME/conf/tomcat-users.xml** file as follows:

```
<?xml version='1.0' encoding='utf-8'?>
  <tomcat-users>
     <role rolename="user"/>
     <role rolename="systemAdministrator"/>
     <role rolename="bogus"/>
     <role rolename="aler_user"/>
     <role rolename="admin"/>

     <user username="user" password="user" roles="aler_user,user"/> <!-- Positive Test case -->
     <user username="u1" password="u1" roles="user"/> <!-- Negative Test Case -->
     <user username="container" password="container" roles="aler_user,user"/>
```

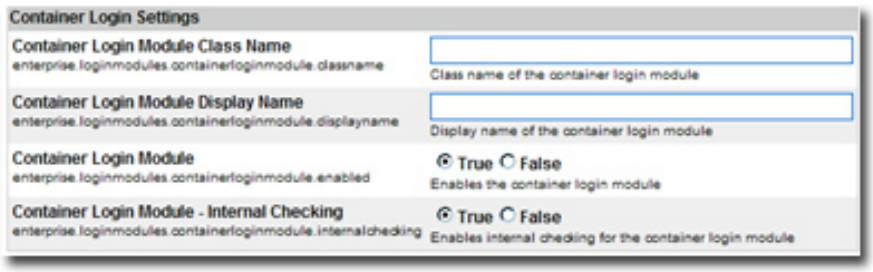
```
  <user username="bogus" password="bogus" roles="bogus"/>
  <user username="admin" password="admincontainer" roles="aler_user,user,admin"/>
</tomcat-users>
```

Configure Oracle Enterprise Repository for Container Managed Authentication

You can configure the Oracle Enterprise Repository for container managed authentication with the **Access Administrator** rights. This procedure is performed on the Oracle Enterprise Repository **Admin** screen.

1. Enter `container login module` in the System Settings **Search** text box.

   The **Containter Login Module** section opens in the **Enterprise Authentication** group of system settings.



2. Modify the following properties as indicated:

   - **Container Login Module Class Name**
     - Enter `com.flashline.enterprise.authentication.server.loginmodule.ContainerLogin` in the text box.
   - **Container Login Module Display Name**
     - Enter `Container Login Module` in the text box.
   - **Container Login Module**
     - Set the property to **True**.
   - **Enable the Container Managed Authentication Feature**
     - Set the `enterprise.authentication.container.enabled` to **True**.
   - **Enable Role Synchronization from the User's Security Principle**
     - Set the `enterprise.authentication.container.synchroles.enabled` to **True**.
     - **NOTE:** When using Container Managed Authentication with BPM Harvester, the Exchange Utility, or any other REX operation, this property must be set to **false**. With this property set to false, user accounts will need to be created manually and have roles assigned to them by someone with at least **accessAdministrator** level permissions.

3. Click **Save**.

4. Enter `cookie login module` in the System Settings **Search** text box.

The **Cookie Login Settings** section opens in the **Enterprise Authentication** group of system settings.

5. Set the **Cookie Login Module** property to **False**.

6. Click **Save**.

7. Enter `plug-in login` in the System Settings **Search** text box.

   The **Plugin Login Settings** section opens in the **Enterprise Authentication** group of system settings.

8. Enter `false` in the **Plug-in Login Module** text box.

9. Click **Save**.

Modify the Web Application's Web.xml File to Allow for Container Authentication

1. Stop the Oracle Enterprise Repository application or the application server that it runs within.

2. Modify the Oracle Enterprise Repository web.xml file:
   - Add the following security constraint contents to the end of the file (NOTE: This configuration will need to be modified to fit your authentication requirements. This example uses BASIC authentication, which may not be appropriate for your environment).

```
<!-- Define a security constraint on this application -->
<security-constraint>
  <web-resource-collection>
    <web-resource-name>Entire Application</web-resource-name>
    <url-pattern>/*</url-pattern>
    <http-method>GET</http-method>
    <http-method>PUT</http-method>
    <http-method>POST</http-method>
    <http-method>DELETE</http-method>
  </web-resource-collection>
  <auth-constraint>
    <description>These roles have access to the Oracle Enterprise Repository</description>
    <role-name>user</role-name>
  </auth-constraint>
</security-constraint>
<security-constraint>
  <web-resource-collection>
    <web-resource-name>Secure Web Service</web-resource-name>
    <url-pattern>/services/FlashlineRegistry</url-pattern>
  </web-resource-collection>
</security-constraint>

<!-- Define the login configuration for this application -->
<login-config>
  <auth-method>BASIC</auth-method>
```

```
  <realm-name>Oracle Enterprise Repository</realm-name>
</login-config>

<security-role>
   <role-name>user</role-name>
   <role-name>admin</role-name>
   <role-name>accessAdministrator</role-name>
   <role-name>advancedSubmitter</role-name>
   <role-name>businessAnalyst</role-name>
   <role-name>projectAdministrator</role-name>
   <role-name>projectArchitect</role-name>
   <role-name>registrar</role-name>
   <role-name>registrarAdministrator</role-name>
   <role-name>systemAdministrator</role-name>
</security-role>
```

3. Start / Restart the Oracle Enterprise Repository application.