**How to Configure JAAS on JBoss..?**

By: Abdul Kareem (bitguiders@gmail.com)

**Note:** *follow color schemes to track* ***variables*** *references in the whole JAAS configuration in this document such as* **LMKRDS , *umDomain*** *etc**.*

**Step I:**

**Data Source**

jboss-6.x.x\server\default\deploy\**xxxx-ds.xml**

<local-tx-datasource>

<jndi-name>**LMKRDS**</jndi-name>

<connection-url>jdbc:postgresql://localhost:5432/**db\_name**</connection-url>

<driver-class>org.postgresql.Driver</driver-class>

<user-name>username</user-name>

<password>password</password>

</local-tx-datasource>

---------------------------------------------------------------

**Step 2:**

Copy & Paste

jboss-6.x.x\server\default\conf \ **login-config.xml**

<application-policy name=*"****umDomain****"*>

<authentication>

<login-module code=*"org.jboss.security.auth.spi.DatabaseServerLoginModule"* flag=*"required"*>

<module-option name=*"dsJndiName"*>java:/ **LMKRDS** </module-option>

<module-option name = *"principalsQuery"*>SELECT password FROM user WHERE username=?</module-option>

<module-option name = *"rolesQuery"*>select role, **'Roles'** from user where username=?</module-option>

</login-module>

</authentication>

</application-policy>

**Note:**  *word* ***'Roles'*** *used in “rolesQuery” is important by removing this JAAS will not work.*

**Note:**For File based authentication use this section otherwise skip it.

create two property files & place your users and roles in these files

1: jboss-6.x.x\server\default\conf \props\ **my-users.properties**

# A sample users.properties file for use with the UsersRolesLoginModule

admin=admin

user=user

2: jboss-6.x.x\server\default\conf \props\ **my-roles.properties**

# A sample roles.properties file for use with the UsersRolesLoginModule

admin=Administrator

user=User

<!—

<application-policy name="umDomain">

<authentication>

<login-module code="org.jboss.security.auth.spi.UsersRolesLoginModule"

flag="required">

<module-option name="usersProperties">props/my-users.properties</module-option>

<module-option name="rolesProperties">props/my-roles.properties</module-option>

</login-module>

</authentication>

</application-policy>

-->

---------------------------------------------------------------

**Step 3:**

Copy & Paste

‘WEB-INF \ **jboss-web.xml’**

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<jboss-web>

<security-domain>java:/jaas/***umDomain***</security-domain>

<context-root>/yourcontext</context-root>

</jboss-web>

---------------------------------------------------------------

**Step 4:**

Copy & Paste

Copy this given code in ‘WEB-INF/ **web.xml’**

<!-- Security start -->

<security-constraint>

<display-name>**User**</display-name>

<web-resource-collection>

<web-resource-name>public\_pages</web-resource-name>

<description/>

<url-pattern>/view/user/\*</url-pattern>

<http-method>GET</http-method>

<http-method>POST</http-method>

<http-method>HEAD</http-method>

<http-method>PUT</http-method>

<http-method>OPTIONS</http-method>

<http-method>TRACE</http-method>

<http-method>DELETE</http-method>

</web-resource-collection>

<auth-constraint>

<description/>

<role-name> **User** </role-name>

</auth-constraint>

<user-data-constraint>

<description/>

<transport-guarantee>NONE</transport-guarantee>

</user-data-constraint>

</security-constraint>

<login-config>

<auth-method>FORM</auth-method>

<realm-name>***umDomain***</realm-name>

<form-login-config>

<form-login-page>/SignInForm.jsp</form-login-page>

<form-error-page>/SignInFailed.jsp</form-error-page>

</form-login-config>

</login-config>

<security-role>

<description>Application user</description>

<role-name> **User** </role-name>

</security-role>

---------------------------------------------------------------

Copy & Paste

**/SignInForm.jsp**

<form method=*"post"* action=*"j\_security\_check"*>

<input type=*"text"* name=*"j\_username"* />

<input type=*"password"* name=*"j\_password"* />

<input type=*"submit"* value=*"Login"* />

</form>

**Note:** ‘**SignInForm.jsp**’ should neither access directly from url nor it should redirect. Its declaration in web.xml is enough.