How to Configure JAAS on JBoss..?

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

Step I:

Data Source

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

```
<local-tx-datasource>
   <jndi-name>BITGUIDERSDS</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:

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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:/ BITGUIDERSDS </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:

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'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:

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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/>
```

```xml
            <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>
```

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/SignInForm.jsp

```html
<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.