

Securing JMX Console

Since JBoss can now be installed from a zip file it comes with a default unsecured jmx-console. This is unacceptable for production so here is the method to secure the jmx-console using http authentication (applies to JBoss 4.3.2.GA).

0. Edit `jboss/server/default/deploy/jmx-console.war/WEB-INF/jboss-web.xml`.

Uncomment the security domain in that file, as shown below.

```
<jboss-web>
<security-domain>java:/jaas/jmx-console</security-domain>
</jboss-web>
```

1. Edit `jboss/server/default/deploy/jmx-console.war/WEB-INF/web.xml` and uncomment the *security-constraint* element:

```
<security-constraint>
  <web-resource-collection>
    <web-resource-name>HtmlAdaptor</web-resource-name>
    <description>An example security config that only allows users with the
      role JBossAdmin to access the HTML JMX console web application
    </description>
    <url-pattern>/*</url-pattern>
    <http-method>GET</http-method>
    <http-method>POST</http-method>
  </web-resource-collection>
  <auth-constraint>
    <role-name>JBossAdmin</role-name>
  </auth-constraint>
</security-constraint>
```

2. Edit `jboss/server/default/deploy/jmx-console.war/WEB-INF/web.xml` and uncomment the *security-domain* element:

```
<security-domain>java:/jaas/jmx-console</security-domain>
```

3. Edit `jboss/server/default/conf/login-config.xml` and make sure that you have the definition of the jmx-console authentication-policy

```
<application-policy name = "jmx-console">
  <authentication>
    <login-module code="org.jboss.security.auth.spi.UsersRolesLoginModule"
      flag = "required">
      <module-option name="usersProperties">props/jmx-console-
users.properties</module-option>
      <module-option name="rolesProperties">props/jmx-console-
roles.properties</module-option>
    </login-module>
  </authentication>
</application-policy>
```

4. Edit the files `jboss/server/default/conf/props/jmx-console-users.properties` and `jboss/server/default/conf/props/jmx-console-roles.properties` to edit your users.