**Deploying JSF Actuate library in J2EE application**

**Overview**

JSF Actuate library contains two components for Birt report wrapping:

1. birtWrapper – for wrapping open source based reports. It uses the birt engine api to generate report HTML and puts it in appropriate place on the page
2. actuateWrapper – for wrapping actuate reports which are deployed on actuate server. This component uses actuate JS API to initialize and run actuate report on the page

NOTE: Birt wrapper tested with Birt engine version 2.5 & 2.3. But if you use v.2.3 it means that you cannot use reports created in report designer v2.5. But it’s possible to open older versions of reports using v2.5.

**Deploying and usage birtWrapper component**

1. Download birt runtime library here: <http://www.eclipse.org/downloads/download.php?file=/birt/downloads/drops/R-R1-2_5_1-200909220630/birt-runtime-2_5_1.zip> to use Birt Engine v2.5 or <http://www.eclipse.org/downloads/download.php?file=/birt/downloads/drops/R-R1-2_3_2_2-200906011507/birt-runtime-2_3_2_2.zip> to use v2.3

2. Create a *WebReport/WEB-INF/lib* directory underneath the Tomcat *webapps* directory.

3. Copy all the jars in the *birt-runtime-[version]/ReportEngine/lib* directory from the Report Engine download into your *WebReport/WEB-INF/lib* directory.

4. Create a directory named *platform* in your *WEB-INF* folder.

5. Copy the *birt-runtime-[version]/Report Engine/plugins* and *birt-runtime-[version]/ReportEngine/configuration* directories to the *platform* directory you just created.

6. Add ‘jsf4birt’ library to classpath.

7. Configure the birt engine in web.xml file:

<context-param>

<param-name>org.eclipse.birt.configPath</param-name>

<param-value>configuration/config.ini</param-value>

</context-param>

8. Add namespace on the page: xmlns:birt=*"http://jsf4birt.components"*

9. Now use birtWrapper tag to display report:

<birt:birtWrapper reportName=*"/Reports/new\_report.rptdesign"*>

<f:param name=*"Text"* value=*"#{bean.text}"* />

<f:param name=*"X"* value=*"#{bean.x}"* />

</birt:birtWrapper>

‘reportName’ attribute defines report design file to be run and displayed on the page.

If report contains parameters designed use <f:param> tag to pass parameters to report engine.

**Deploying and usage actuateWrapper component**

1. Add ‘jsf4birt’ library to classpath

2. Configure actuate server parameters in web.xml (url to actuate server, login/password):

<context-param>

<param-name>actuate.serverUrl</param-name>

<param-value>http://localhost:8900/iportal</param-value>

</context-param>

<context-param>

<param-name>actuate.serverLogin</param-name>

<param-value>administrator</param-value>

</context-param>

<context-param>

<param-name>actuate.serverPassword</param-name>

<param-value></param-value>

</context-param>

3. Add namespace for on the page: xmlns:birt=http://jsf4birt.components

4. Now use ‘actuateWrapper’ tag to display actuate report on the page:

<birt:actuateWrapper

width=*"900px"*

height=*"700px"*

reportName=*"/Home/administrator/Customer Dashboard.rptdesign">*

</birt:actuateWrapper>

‘reportName’ attribute define relative path to report to be displayed