

# WebLogic

When deploying to WebLogic, some developers report problems with the framework locating resources, especially with Velocity. For more about WebLogic and Velocity, see the [Velocity website](#). To deploy to WebLogic, the common approach is to create and deploy an unexpanded WAR to the WebLogic deployment directory. With WL 8.x, the deployment directory is typically at `<bea_home>/user_projects/domains/mydomain/`.

## Adding an `struts-velocity.properties` Configuration File

- In the `struts.properties` file (usually kept in the `WEB-INF/classes` directory), add an entry that specifies a Velocity configuration file.

- **struts.properties**

```
struts.velocity.configfile = struts-velocity.properties
```

- Create the corresponding Velocity properties file ("`struts-velocity.properties`"), preferably in the same location as the `struts.properties` file.
- Copy into the Velocity properties file the contents of the `velocity.properties` file that is the the SAF `velocity-dep.jar`.
- In your new `struts-velocity.properties` file, find the section titled "T E M P L A T E L O A D E R S", and change this section as so:

```
=====
resource.loader = class

file.resource.loader.description = Velocity File Resource Loader
file.resource.loader.class = org.apache.velocity.runtime.resource.loader.FileResourceLoader
file.resource.loader.path = .
file.resource.loader.cache = false
file.resource.loader.modificationCheckInterval = 2

class.resource.loader.class = org.apache.velocity.runtime.resource.loader.ClasspathResourceLoader
class.resource.loader.cache = true
=====
```

- Redeploy a fresh WAR to WebLogic.

## NPE when using Struts 2 Jasper Reports plugin

When using mentioned plugin in Weblogic 11g you can get `NullPointerException` within Struts 2. To solve the problem you must enable the "Archived Real Path" global property in Weblogic admin console > configuration > Web Applications. It's because `JasperReportsResult` determines the report directory base on `ServletContext.getRealPath(finalLocation)`.

## Convention based application doesn't work

When you deployed an application that base on the Convention Plugin and you get an error messages that says:

```
There is no Action mapped for namespace / and action name xxxxxx
```

create `struts.properties` file in `WEB-INF/classes` folder (in the expanded application's folder or in the source code) with below statements:

```
#struts convention property modifications for Weblogic
struts.convention.action.includeJars=.*?/yourwebapp.*?jar(!/)?
struts.convention.action.fileProtocols=jar,zip
```

Thanks to Amit who the first published solution on his [blog](#)