
JAHIA ON WAS 6.0.2 HOW-TO

This HOW-TO intends to help system administrators understand how to deploy Jahia version 5 on WAS 6.0.2 environment.

This document applies to Jahia 5.0.

1. FIRST STEP

First step after getting your Jahia distribution from our website is to create an ear file :

Extract the jahia directory from tomcat/webapps

Edit the WEB-INF/web.xml and remove all the pre compile jsp servlets between this two comments :

```
<!--  
Automatically created by Apache Jakarta Tomcat JspC.  
Place this fragment in the web.xml before all icon, display-name,  
description, distributable, and context-param elements.  
-->  
and  
<!--  
All session-config, mime-mapping, welcome-file-list, error-page, taglib,  
resource-ref, security-constraint, login-config, security-role,  
env-entry, and ejb-ref elements should follow this fragment.  
-->
```

Create a war file containing all of your jahia directory.

After that, create a META-INF directory at the same level of your jahia.war file.

In this META-INF directory we will create an application.xml file like this one :

```
<?xml version="1.0" encoding="UTF-8"?>  
<!DOCTYPE application PUBLIC "-//Sun Microsystems, Inc.//DTD J2EE  
Application 1.3//EN" "http://java.sun.com/dtd/application_1_3.dtd">  
<application>  
<display-name>Jahia</display-name>  
<module id="jahia">  
<web>  
<web-uri>jahia.war</web-uri>  
<context-root>jahia</context-root>  
</web>
```

```
</module>  
</application>
```

The last step is creation of the ear file grouping jahia.war and your META-INF directory in the same file.

2. SECOND STEP

Create one data source in your application server, at deployment you will have to map it over two jahia resources.

3. THIRD STEP

Create a shared library on your WAS, this library must contains all the libraries found in tomcat/shared/lib directory from your Jahia distribution

Copy the jdom-1.0.jar file from the jahia/WEB-INF/ folder to the websphere home/lib and delete the previous file.

4. FOURTH STEP

Create another shared library containing xalan-2.6.0.jar, xercesImpl-2.6.2.jar and xml-apis-2.0.2 found in jahia/WEB-INF/lib and associate this libraries to your application.

5. FIFTH STEP

Install your Jahia application in WAS, follow the WAS wizard for mapping the data source and the shared library, once its over you can access to your Jahia and follow the Jahia wizard as usual.

After the Jahia wizard you will have to restart your WAS server and not only the JAHIA application because of a conflict with the IBM class loader, this is true for every changes on your JAHIA application (adding portlet for example).

But before restarting your server you will have to modify the newly created file jahia/WEB-INF/etc/config/jahia.properties, find this line :

```
"#localAccessUri = http://localhost:8088"
```

and uncomment it by removing the # character, and put the right uri of your server.

On the server configuration you must have separate classloader for each application.

At the application level for jahia, you must set that you want only one classloader for all the application.

IF YOU PLAN TO USE PORTLETS YOU HAVE TO ENSURE THAT YOUR JAHIA APPLICATION IS CONFIGURED TO USE ONLY ONE



CLASS LOADER FOR ALL THE WAR MODULES DEPLOYED IN IT AND ALSO THAT ALL THE CLASSLOADERS ARE CONFIGURED WITH PARENT LAST

