

Installing ArrowHead

0.2.3

by Terence Haddock

This How-To describes installing ArrowHead into a Java Servlet Server

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1. Overview

This How-To describes installing ArrowHead into a Java Servlet Server

1. Prerequisites

- JDK 1.4.2 - Tested with 1.4.2. Available [Here](http://java.sun.com) (http://java.sun.com) .
- Java Servlet Server - Tested with Jakarta Tomat version 5.0.27. Available [Here](http://jakarta.apache.org/tomcat/index.html) (http://jakarta.apache.org/tomcat/index.html) .
- Log4j - Tested with 1.2.8. Available [Here](http://jakarta.apache.org/log4j/docs/download.html) (http://jakarta.apache.org/log4j/docs/download.html) .
- JRegEx - Tested with 1.2_01. Available [Here](http://sourceforge.net/project/showfiles.php?group_id=39578) (http://sourceforge.net/project/showfiles.php?group_id=39578) .
- Java Activation Framework (JAF) - Tested with version 1.0.2. Available [Here](http://java.sun.com/products/javabeans/glasgow/jaf.html) (http://java.sun.com/products/javabeans/glasgow/jaf.html) .
- JavaMail - Tested with version 1.3.1. Available [Here](http://java.sun.com/products/javamail/) (http://java.sun.com/products/javamail/) .
- JDom - Tested with version Beta 9. Available [Here](http://www.jdom.org/downloads/index.html) (http://www.jdom.org/downloads/index.html) .
- OSCache - Tested with version 2.0.2. Available [Here](http://www.opensymphony.com/oscache/download.html) (http://www.opensymphony.com/oscache/download.html) .

2. Steps

2.1. Create a webapp

Note:

This example uses Tomcat as the Java servlet server. If another servlet server is used, please follow the instructions for your servlet server for creating and installing a webapp.

- Assuming Tomcat is installed under /usr/share/tomcat, the following commands (as the tomcat user or the root user) will create a webapp directory:

```
$ cd /usr/share/tomcat/webapps $ mkdir aspfiles $ mkdir aspfiles/WEB-INF $ mkdir aspfiles/WEB-INF/lib
```
- Copy the web.xml file (sample downloaded from home page) into asfiles/WEB-INF:

```
$ cp /home/user/downloads/web.xml /usr/share/tomcat/webapps/aspfiles/WEB-INF
```

2.2. Copy required libraries

- Copy the required JAR files downloaded from the locations described above.
- At the minimum there should be:
aspfiles/WEB-INF/lib/arrowhead-0.x.x.jar
aspfiles/WEB-INF/lib/log4j-1.2.8.jar
aspfiles/WEB-INF/lib/jregex1.2.01.jar
- For CDONTS Email there should also be:
aspfiles/WEB-INF/lib/activation.jar
aspfiles/WEB-INF/lib/mail.jar
- For the MSDOM interface there should also be:
aspfiles/WEB-INF/lib/jdom.jar
- For OSCache compiled script caching there should also be:
aspfiles/WEB-INF/lib/oscache-2.0.2-22Jan04.jar
aspfiles/WEB-INF/lib/commons-collections.jar
aspfiles/WEB-INF/lib/commons-logging.jar

2.3. Copy the ASP files to the webapp

Note:

If ArrowHead is running on a system where the file system is case sensitive (Linux, for example), the ASP files will be case sensitive. This is an important difference from ASP scripts running on Windows.

- Copy the ASP files of the webapp to: aspfiles
- If there are no existing ASP files to copy, or for a quick test, create the file "test.asp", with the following contents: `<% Response.Write("Hello from ASP!") %>`

2.4. Re-start Tomcat

- Re-start Tomcat, then browse to the ASP file created, for example:
`http://localhost:8080/aspfiles/test.asp`
- The script test.asp should display just the text: Hello from ASP!

Note:

The web.xml sample distributed with ArrowHead contains mapping for default.asp, Default.asp, and index.asp as welcome files.