

Integrating Apache 2.0.54 with Tomcat 5.5.9 on Fedora Core 4

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Overview

This technical note covers integrating Apache 2.0.54 with Tomcat 5.5.9 on Fedora Core 4.

Steps

See <http://jakarta.apache.org/tomcat/connectors-doc/howto/apache.html> . More detail is needed so here it is.

1. as root run 'yum list **mod_jk**' and you should see to packages.
2. as root run 'yum install package1 package2'. Substituing package1 and package2 for the real package names. This action will install mod_jk. mod_jk.so will now be in /etc/httpd/modules/
3. In the section 'Using Tomcat auto-configure' in <http://jakarta.apache.org/tomcat/connectors-doc/howto/apache.html> configure the tomcat \${YOUR_TOMCAT_HOME}/conf/server.xml first. Then restart tomcat and this will create \${YOUR_TOMCAT_HOME}/conf/auto/mod_jk.conf and a \${YOUR_TOMCAT_HOME}/conf/jk/ . This is different than documented in the apache-tomcat web page.
4. Copy the newly created mod_jk.conf to /etc/httpd/conf.d/ (You now do not need to edit /etc/httpd/conf/httpd.conf)
5. Copy \${YOUR_TOMCAT_HOME}/conf/workers.properties to /etc/httpd/conf/
6. Back out your changes to \${YOUR_TOMCAT_HOME}/conf/server.xml
7. Edit \${YOUR_TOMCAT_HOME}/conf/auto/mod_jk.conf to reflect the following:

```
##### Auto generated on Thu Sep 22 18:58:31 CDT 2005#####
```

```
<IfModule !mod_jk.c>
  LoadModule jk_module

"/etc/httpd/modules/mod_jk.so"
</IfModule>

#<VirtualHost localhost>
#   ServerName localhost

# Where to find workers.properties
JkWorkersFile /etc/httpd/conf/workers.properties

# Where to put jk logs
JkLogFile    /

var/log/httpd/mod_jk.log

# Set the jk log level [debug/error/info]
JkLogLevel   info

# Select the log format
JkLogStampFormat

"%a %b %d %H:%M:%S %Y] "

JkMount /xwiki ajp13w
JkMount /xwiki/* ajp13w

JkMount /admin ajp13w
JkMount /admin/* ajp13w

JkMount /servlets-examples ajp13w
JkMount /servlets-examples/* ajp13w
```

Tomcat - Integrating Apache 2.0.54 with Tomcat 5.5.9 on Fedora Core 4

```
JkMount /webdav ajp13w
JkMount /webdav/* ajp13w

JkMount /balancer ajp13w
JkMount /balancer/* ajp13w

JkMount /jsp-examples ajp13w
JkMount /jsp-examples/* ajp13w

JkMount /host-manager ajp13w
JkMount /host-manager/* ajp13w

JkMount /tomcat-docs ajp13w
JkMount /tomcat-docs/* ajp13w

JkMount /manager ajp13w
JkMount /manager/* ajp13w
#</VirtualHost>
```

1. Restart Apache and Tomcat (order is not important)
2. Verify there are no errors from the system logs, specifically - apache error logs. This will confirm that the mod_jk did not generate errors on Apache start.
3. Verify that the most current log in `${YOUR_TOMCAT_HOME}/logs` has no errors introduced
4. Verify your sites that were reachable as <http://your.domain:8080/yourapp/> is now reachable as <http://your.domain/yourapp/>