Tomcat:

Tomcat is a lightweight java Servlet container.

But we can use tomcat as HTTP Server + Servlet container.

Popular combination is Apache HTTP Server + Tomcat

The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows. The goal of this project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards. Some common language interfaces support [Perl](https://en.wikipedia.org/wiki/Mod_perl), [Python](https://en.wikipedia.org/wiki/Mod_python), [Tcl](https://en.wikipedia.org/wiki/Tcl) and [PHP](https://en.wikipedia.org/wiki/PHP).

<Http://mydomain.com:80/a/b/1.html>

Modules PHP

[Http://mydomain.com:80/a/\*](Http://mydomain.com:80/a/*) route towards php runtime

JSP/Serverlet

Module Tomcat

[Http://mydomain.com:80/b/\*](Http://mydomain.com:80/b/*) route towards tomcat runtime

The Apache Tomcat® software is an open source implementation of the Java Servlet, JavaServer Pages, Java Expression Language and Java WebSocket technologies.

Normally in the development mode download zip file. Extract somewhere into your system.

To run tomcat : browse bin directory and run startup.bat file.

To stop tomcat : run shutdown.bat file or simply close tomcat command window.

How to change tomcat port.

|  |  |
| --- | --- |
| <Server port="8005" shutdown="SHUTDOWN"> |  |
| <Connector port="8080" protocol="HTTP/1.1"  connectionTimeout="20000"  redirectPort="8443" /> | Webshpare : 9080 |
| <Connector port="8009" protocol="AJP/1.3" redirectPort="8443" /> |  |
| <Connector port="8443" protocol="org.apache.coyote.http11.Http11NioProtocol"  maxThreads="150" SSLEnabled="true">  <SSLHostConfig>  <Certificate certificateKeystoreFile="conf/localhost-rsa.jks"  type="RSA" />  </SSLHostConfig>  </Connector> | 9043 / |

How to increate tomcat heap memory

Step 1

Create a batch file setenv.bat in the bin folder with following contents

|  |
| --- |
| set JAVA\_OPTS=-Xms1024m -Xmx2048m -XX:MaxPermSize=1024m  echo ambrish setting java env with %JAVA\_OPTS% |

Step 2

Save and restart your tomcat.

**Increase Tomcat Upload File Size Limit**

webapps/manager/WEB-INF/web.xml

<multipart-config>

<max-file-size>52428800</max-file-size>

<max-request-size>52428800</max-request-size>

<file-size-threshold>0<</file-size-threshold>

</multipart-config>

**Increase Tomcat Request Size Limit**

Edit into server.xml file from conf directory of tomcat

<Connector port="80" protocol="HTTP/1.1"

connectionTimeout="20000"

redirectPort="8443"

maxPostSize="67589953" />

Setup tomcat users to use manage application for uploading war files and monitoring tomcat server