

## Introduction of Tomcat Server

- \* J2EE Application---Web Server( Web Applications)

- \* Apache

- \* Understands all other protocol like  
HTTP,HTTPS,FTP,IIOP,SOAP,SNMP

IIOP---Internet Inter Orb Protocol

SOAP----Simple Object Access Protocol

SNMP---Simple Network Management Protocol

- \*it developed by Java Technology

Apache Tomcat is a webcontainer which allows to run servlet and JavaServer Pages based web applications. Most of the modern Java web frameworks are based on servlets and JavaServer Pages and can run on Apache Tomcat, e.g. JavaServer Faces, Struts, Spring.

Apache Tomcat also provides by default a HTTP connector on port 8080, e.g. Tomcat can also be used as HTTP server even though the performance of Tomcat is not as good as the performance of the Apache HTTP server.

\*Embedded **LDAP** Repository----->Inbuilt Internal File System Comes with Tomcat server----->Security Data----Tomcat Administrator--Username,Password

\***TomcatServer**----->8080(default)----->HTTP Protocol

\***SSL---Secure Socket Layer**----->8443(default)----->HTTPS Protocol

\* Runs in Development Mode(JDK) or Production Mode (JRockit-JRE)

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Java Software----JDK and JRE

**J2SE-----JDK----Java Development Kit**

\*Java Api—Application Programming Interface—Package---  
raj.java(Source Code)---text---**Developing**

\*Java Compiler----Source Code-→Byte Code(raj.class)--**Compiling**

\*JVM-Java Virtual Machine----runtime Place for the Java Applications

ByteCode--→machine code---**Running the java App**

**JRE—Java Runtime Environment**

\*JVM-Java Virtual Machine----runtime Place for the Java Applications

ByteCode--→machine code---**Running the java App**

**Version Notes:**

- Tomcat 3.x - implements the Servlet 2.2 and JSP 1.1 specifications, requires Java 1.1 (or higher).
- Tomcat 4.x - implements the Servlet 2.3 and JSP 1.2 specifications, requires Java 1.3 (or higher).
- Tomcat 5.x - implements the Servlet 2.4 and JSP 2.0 specifications, requires Java 1.4 (or higher).
- Tomcat 6.x - implements the Servlet 2.5 and JSP 2.1 specifications, requires Java 1.5 (or higher).
  - Version 6.0.32 (check on 03/20/2011)
- Tomcat 7.x - implements the Servlet 3.0 and JSP 2.2 specifications, requires Java 1.6 (or higher).
  - Version 7.0.10, Mar 5 2011

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## 2 types of Tomcat installer

1. \*.exe (bit windows OS does not Comes with Java software--JDK and JRockit)

2. \*.tar (Unix,linux,solaris OS does not Comes with Java software--JDK and JRockit)

3. .jar File

The installation directory of Tomcat looks like the following:

