CONFIGURING AND INSTALLING APACHE TOMCAT SERVER

This could execute special Java programs known as Java Servlet and Java Server Pages (JSP). The sites for Tomcat are http://tomcat.apache.org or http://www.apache.org .

Tomcat was originally written by James Duncan Davison , based on an earlier Sun's server called Java Web Server (JWS). Tomcat is an HTTP application runs over TCP/IP. In other words, the Tomcat server runs on a specific TCP port in a specific IP address. The default TCP port number for HTTP protocol is 80, which is used for the production HTTP server. For test HTTP server, any unused port number between 1024 and 65535 can be chosen.-----------------------

Installing Apache Tomcat Server

The basic environment required for installing Apache Tomcat Server is given below:

- JDK 6 (Java SE 6) (Tomcat 6 requires any installed Java 5 or later JRE (32-bitor 64-bit). We have used JRE 6.)

- Apache Tomcat 6.x

- Windows OS

Step 1: **Downloading Apache Tomcat**
Download the Apache Tomcat Server from http://tomcat.apache.org/download-60.cgi. Here we have used "Apache Tomcat 6.0.35″ version.
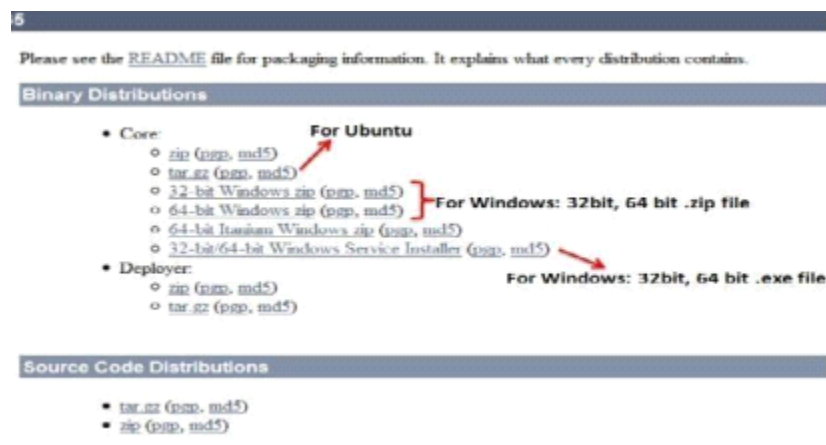

Figure 3.9 Tomcat for various OS

Step 2: Installing Apache Tomcat

Tomcat can be installed on any operating system that supports the zip or tar formats.To install Apache Tomcat, unzip the downloaded (.zip) file to a safe location. For simplicity and easy access, unzip Tomcat in "C:\Tomcat6\" directory.

Step 3: *Click on the .exe file*

After downloading windows installer file(.exe file), double click on it and follow the steps given below:

Welcome screen

Simply click on the '**Next**' button to continue installation process.

Figure 3.10 Welcome ScreenLicense Agreement screen

Accept the terms of the agreement by clicking on '**I Agree**' button.
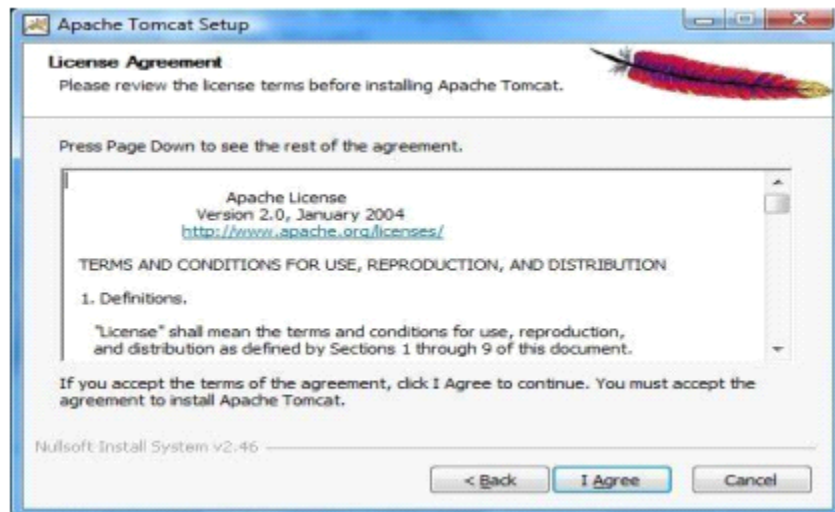
Figure 3.11 License Agreement screenChoose the components

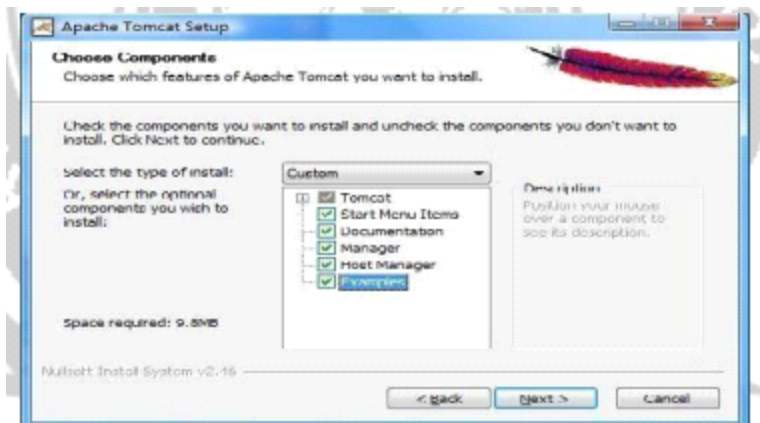Choose the features of Apache Tomcat you want to install by checking thecomponents and click'**Next**'.

Figure3.12Choosethe componentsTomcat Configuration options

The default port number for Tomcat to process HTTP requests is 8080. The port numbers can be changed after the installation in server.xml which is located in/conf/server.xml. Provide the username and password for Administrator login and click on the '**Next'** button.
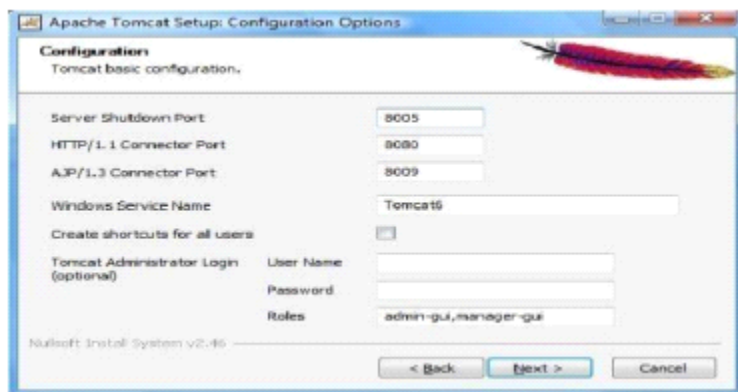

Figure 3.13 Tomcat Configuration optionsInstalled JRE path

The installer uses the registry to determine the base path of a Java 5 or later JRE, including the JRE installed as part of the full JDK.When running on a 64-bit operating system, the installer will first look for a 64-bit JRE and only look for a 32-bit JRE if a 64-bit JRE is not found.It is not mandatory to use the default JRE detected by the installer. Any installed Java 5 or later JRE (32-bit or 64-bit) may be used by clicking on the browse button and click '**Next'**.
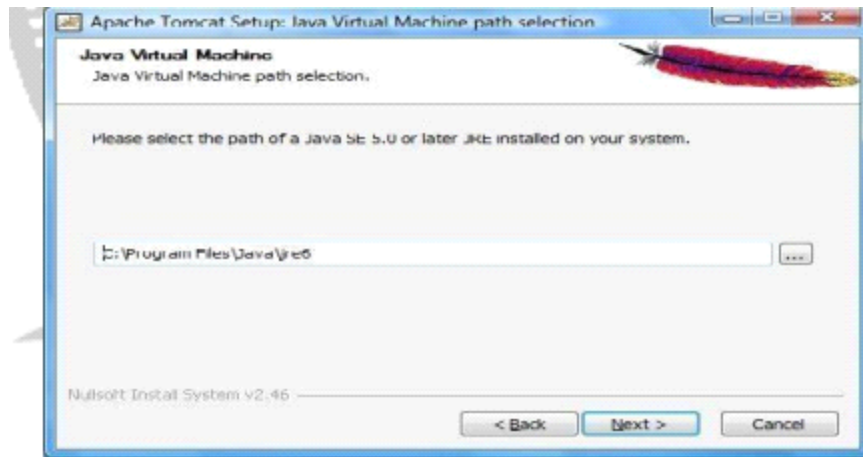
Figure 3.14 Installed JRE path

Choose Installation Location

In Windows, by default the location will be provided as 'C:\Program Files\Apache Software Foundation\Tomcat 6.0′. But for simplicity, we recommend you to use 'C:\Tomcat6' as shown below and click 'Install'.
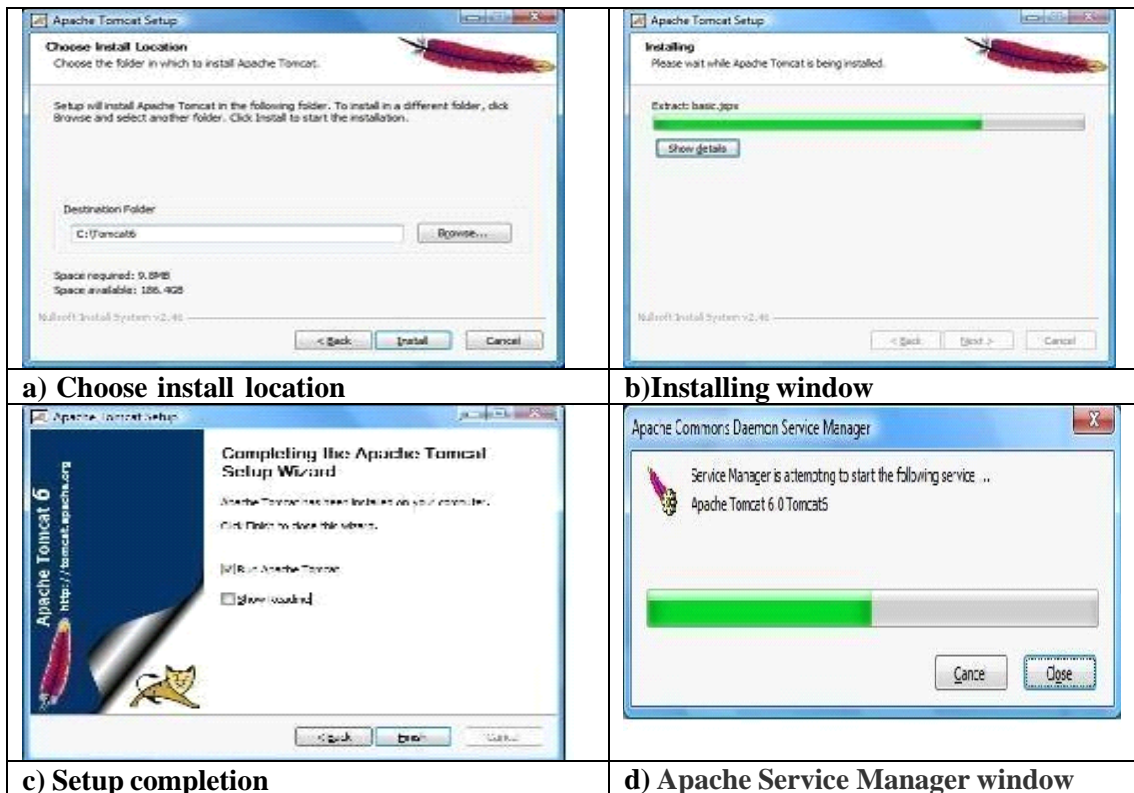
a) Choose install location	**b)Installing window**
c) Setup completion	**d) Apache Service Manager window**

Figure 3.15 Choose Installation Location

Once the service has been started, an **Apache Tomcat icon appears on WindowsTaskbar** (bottom right).

Test the Installation

Open browser and type http://localhost:8080 and see the Apache Tomcat home page asshown below.