

Note: This Document covers installing Java 8 and Apache Tomcat 8 and is just an excerpt to the more complete DOE “Cost Report Technical Documentation”. If you are looking for instructions to do a complete install please refer to the DOE document.

Loading Java

Note: If you are upgrading from an earlier version of Java, then do not uninstall the old version of Java just follow these instructions and load the latest version of Java on your server.

1. Open a browser and go to Oracle's Java download page from the server.
<http://www.oracle.com/technetwork/java/javase/downloads/index.html>
2. Find the “Java SE 8uXX /8uXX” in the download table and click on the “Download” button under “JDK.”

Java Platform, Standard Edition	
Java SE 8u73 / 8u74 Java SE 8u73 includes important security fixes. Oracle strongly recommends that all Java SE 8 users upgrade to this release. Java SE 8u74 is a patch-set update, including all of 8u73 plus additional features (described in the release notes). Learn more ▶	
<ul style="list-style-type: none">▪ Installation Instructions▪ Release Notes▪ Oracle License▪ Java SE Products▪ Third Party Licenses▪ Certified System Configurations▪ Readme Files<ul style="list-style-type: none">▪ JDK ReadMe▪ JRE ReadMe	JDK DOWNLOAD ↓
	Server JRE DOWNLOAD ↓
	JRE DOWNLOAD ↓

- Click to accept the License Agreement and then download the “Windows x64” version of the software.

Java SE Development Kit 8u73

You must accept the [Oracle Binary Code License Agreement for Java SE](#) to download this software.

☐ Accept License Agreement ☒ Decline License Agreement

Product / File Description	File Size	Download
Linux ARM 32 Hard Float ABI	77.73 MB	jdk-8u73-linux-arm32-vfp-hflt.tar.gz
Linux ARM 64 Hard Float ABI	74.68 MB	jdk-8u73-linux-arm64-vfp-hflt.tar.gz
Linux x86	154.75 MB	jdk-8u73-linux-i586.rpm
Linux x86	174.91 MB	jdk-8u73-linux-i586.tar.gz
Linux x64	152.73 MB	jdk-8u73-linux-x64.rpm
Linux x64	172.91 MB	jdk-8u73-linux-x64.tar.gz
Mac OS X x64	227.25 MB	jdk-8u73-macosx-x64.dmg
Solaris SPARC 64-bit (SVR4 package)	139.7 MB	jdk-8u73-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	99.08 MB	jdk-8u73-solaris-sparcv9.tar.gz
Solaris x64 (SVR4 package)	140.36 MB	jdk-8u73-solaris-x64.tar.Z
Solaris x64	96.78 MB	jdk-8u73-solaris-x64.tar.gz
Windows x86	181.5 MB	jdk-8u73-windows-i586.exe
Windows x64	186.84 MB	jdk-8u73-windows-x64.exe

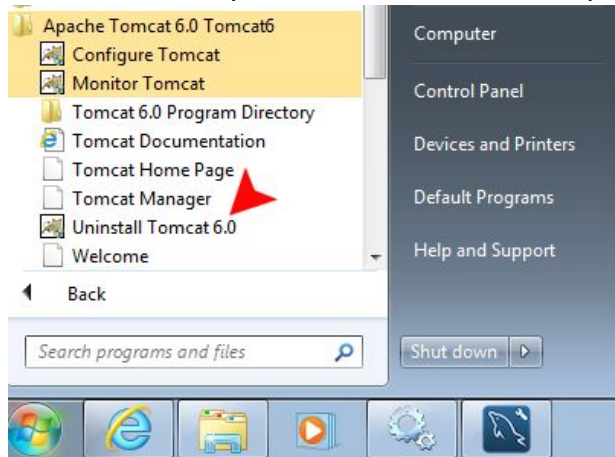
Note: If you are not on a 64-bit server (which most are at this point) you will have to download the “Windows x86” version of the Java Developers Kit.

- Once the download is complete. Find the “jdk-8u73-windows-x64.exe ” file on the server and double click it to begin the install.
- The Java installer will step you through the loading process.
Note: At the end a browser window will pop-up asking you to register your software with Oracle. This is optional and can be done later or not at all.
- This stage is complete.

Loading Apache Tomcat

Note: If you are upgrading from an earlier version of Apache Tomcat, do the following steps before loading the latest version of Tomcat.

- A. Copy your current “webapps” folder which will contain at minimum a “CostReport” folder, a “CostReportLocal” folder, and CostReport.war file (you may have more folders and files).
- B. Run the uninstall process for the version of Apache Tomcat that you are replacing.



1. Open a browser and go to the Apache Tomcat download page from the server.
<http://tomcat.apache.org/download-80.cgi>
2. Find the “32-bit/64-bit Windows Service Installer” link and click on it to download.

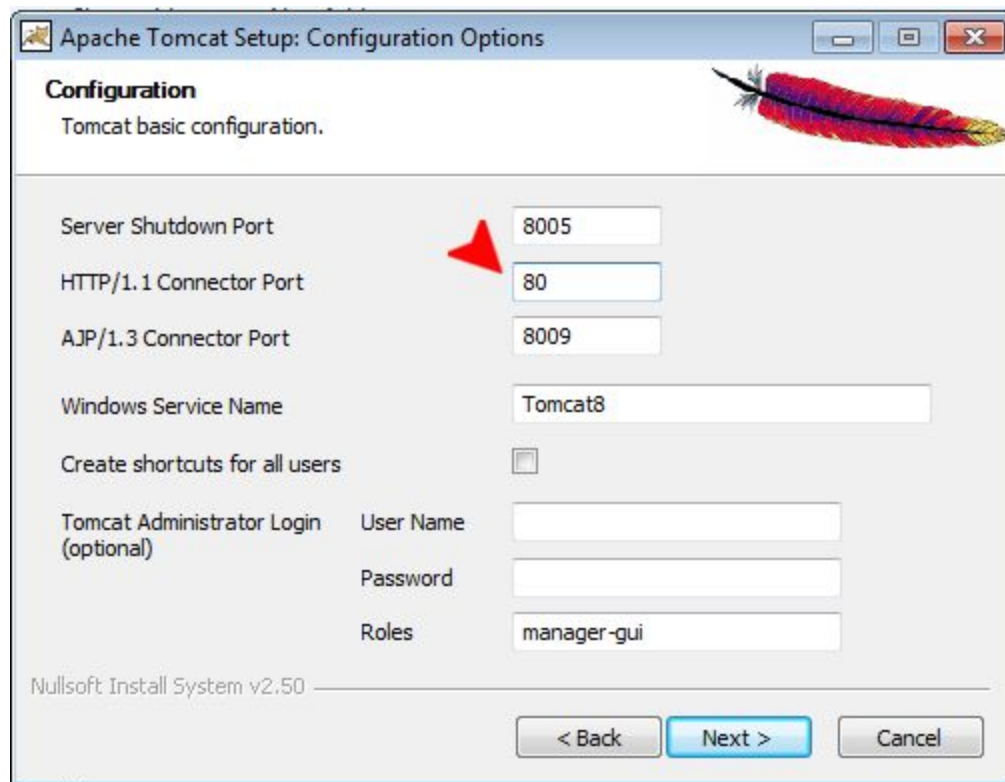
8.0.32

Please see the [README](#) file for packaging information. It explains what every distribution contains.

Binary Distributions

- Core:
 - [zip \(pgp, md5, sha1\)](#)
 - [tar.gz \(pgp, md5, sha1\)](#)
 - [32-bit Windows zip \(pgp, md5, sha1\)](#)
 - [64-bit Windows zip \(pgp, md5, sha1\)](#)
 - [64-bit Itanium Windows zip \(pgp, md5, sha1\)](#)
 - [32-bit/64-bit Windows Service Installer \(pgp, md5, sha1\)](#)
- Full documentation:
 - [tar.gz \(pgp, md5, sha1\)](#)
- Deployer:
 - [zip \(pgp, md5, sha1\)](#)
 - [tar.gz \(pgp, md5, sha1\)](#)

3. Once the download is complete. Find the “apache-tomcat-8.0.XX.exe” file on the server and double click it to begin the install.
4. The Tomcat installer will step you through the loading process.
 - a. Click “I agree” to accept the license agreement.
 - b. Take the default type of install: ”Normal” and click “Next.”
 - c. On the “Configuration” page, change the “HTTP/1.1 Connector Port” value from 8080 to 80 and click “Next.”



Apache Tomcat Setup: Configuration Options

Configuration
Tomcat basic configuration.

Server Shutdown Port: 8005

HTTP/1.1 Connector Port: 80

AJP/1.3 Connector Port: 8009

Windows Service Name: Tomcat8

Create shortcuts for all users: ☐

Tomcat Administrator Login (optional)

User Name:

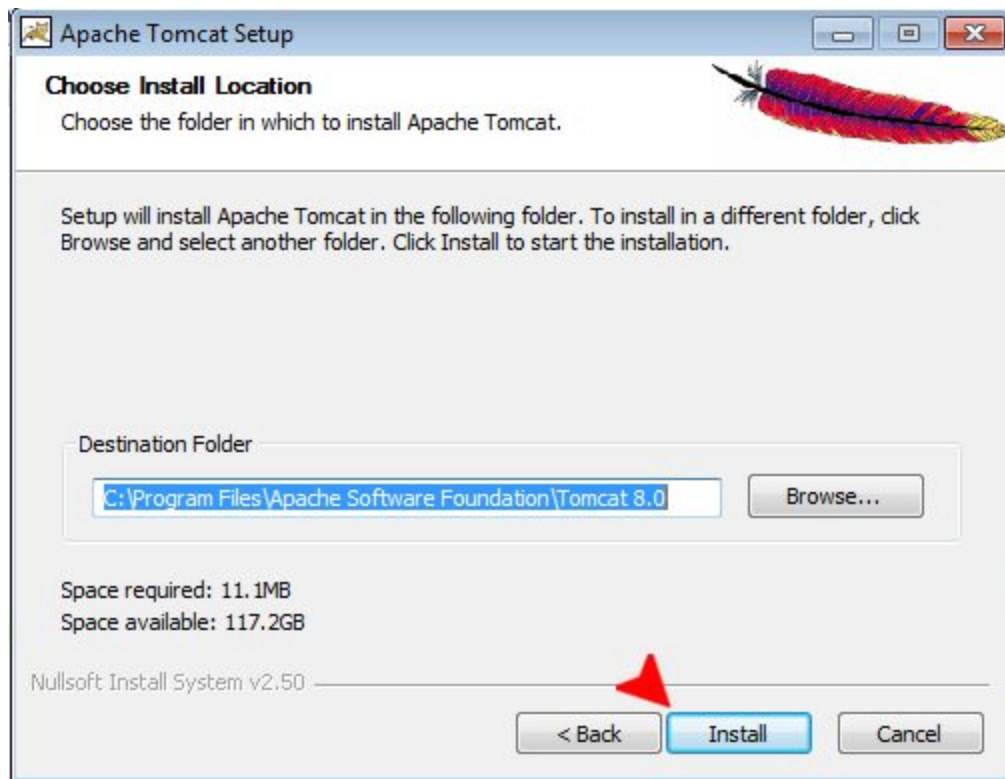
Password:

Roles: manager-gui

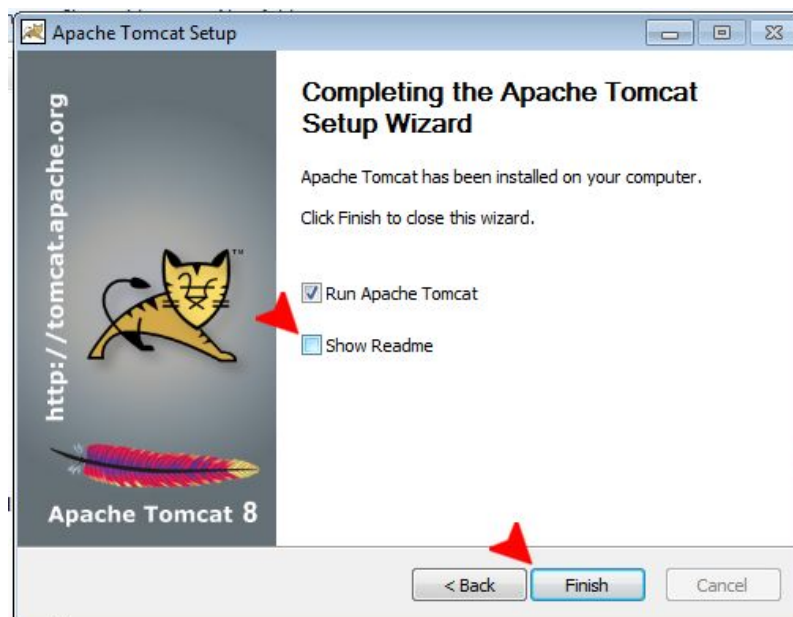
Nullsoft Install System v2.50

< Back Next > Cancel

- d. Click “Next” two more times to accept the default settings, click on the Install button and wait for the software to install.

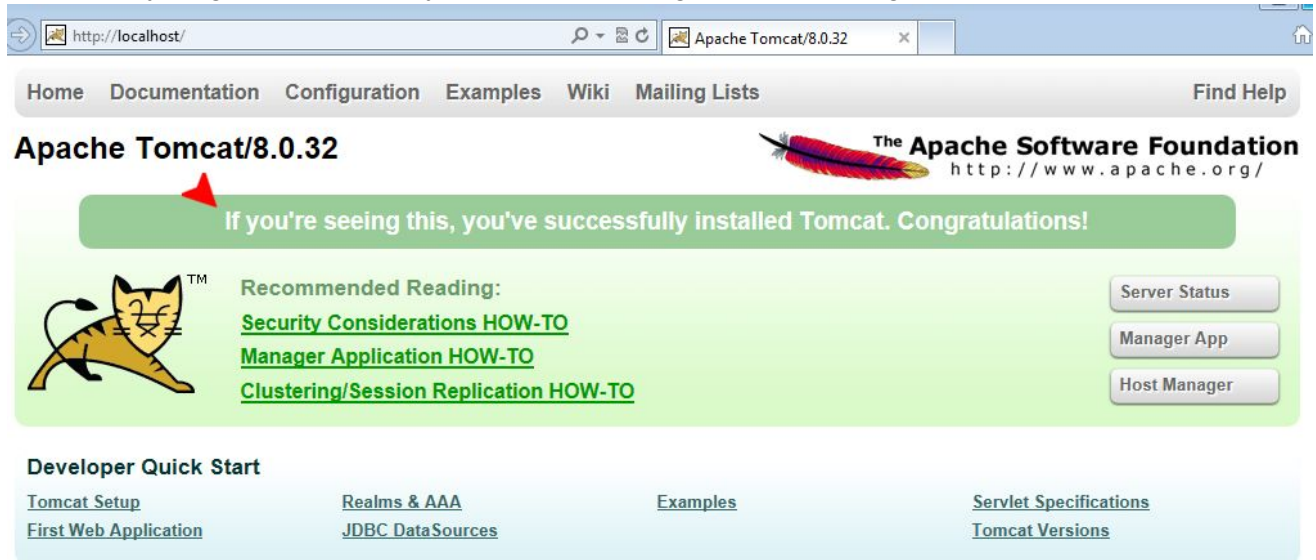


- e. Once the install is finished it will take you to the completion page. De-select the “Show Readme” option and click “Finish.”



5. To test the install bring up the browser and go to: <http://localhost>

6. If everything is correct then you will see a “Congratulations!” Page.



7. This stage is complete.

Note: If you were upgrading from a previous Apache Tomcat version and you made a copy of the “webapps” folder from your old version of Tomcat then do the following steps to complete the install.

- A. Shutdown the Tomcat 8 service
- B. Copy in the contents of the back-up “webapps” folder to the Tomcat 8 webapps folder.
- C. Restart Tomcat 8.