

Installation Guide for Mississippi Vendor Challenge Prototype



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1 Introduction

This document describes the prerequisites and installation of Mississippi Vendor Challenge Prototype to a target environment. The target environment taken here is a Windows 2008 R2 server.

2 Prerequisites before Starting installation

There are few prerequisites for installing the Mississippi Vendor Challenge Prototype. Following list of software's are installed.

- a. Java 8
- b. MYSQL Server ([download here](#))
- c. Apache Tomcat 8.0 ([download here](#)).

3 Step 1-Java Setup

Set the Java path from [Java Path Setup](#)

Set the following environment variables:

JAVA_HOME= C:\Program Files\Java\jdk1.8.0_60

Path=%JAVA_HOME%\bin;

4 Step 3-Setting up MYSQL Schema.

Application database scripts can be find at \WEB_INF\classes\sql folder in the War File.

- a. Create CWS Database.

Run the following command to create the database in the MYSQL Command Line to create the database

Command:

- Create database CWS

```
mysql> create database test_cws;  
Query OK, 1 row affected (0.01 sec)
```

- b. Create user and grant privilege

Run the following command to create the 'CWS user.

- CREATE USER 'cws'@'localhost' IDENTIFIED BY 'cws';

```
mysql> CREATE USER 'test_cws'@'localhost' IDENTIFIED BY 'cwstest';  
Query OK, 0 rows affected (0.03 sec)
```

Run the following command to grant 'CWS' user all privileges to CWS database.

- GRANT ALL PRIVILEGES ON cws. * TO 'cws'@'localhost';

```
mysql> GRANT ALL PRIVILEGES ON test_cws . * TO 'test_cws'@'localhost';  
Query OK, 0 rows affected (0.01 sec)
```

- c. Creating Schema.

Go command prompt run the below command

- mysql -u {username} -p {databasename} < create-schema.sql

```
C:\Users\kulkarnk>mysql -u test_cws -p test_cws < d:\mscws-demo\mscws-portal-api\src\main\resources\sql\create-schema.sql  
Enter password: xxxxxxxx
```

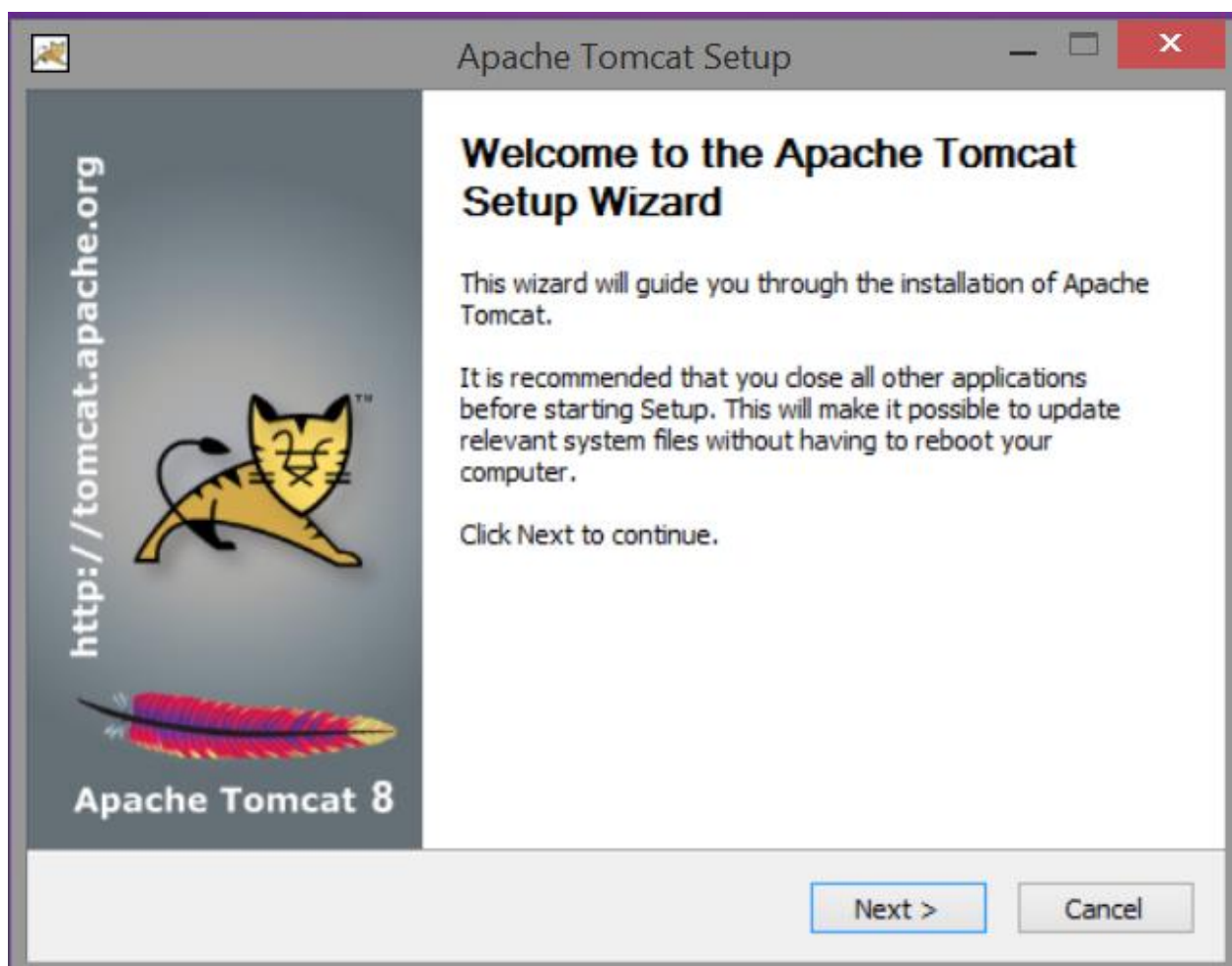
- d. Creating metadata.

Go command prompt run the below command

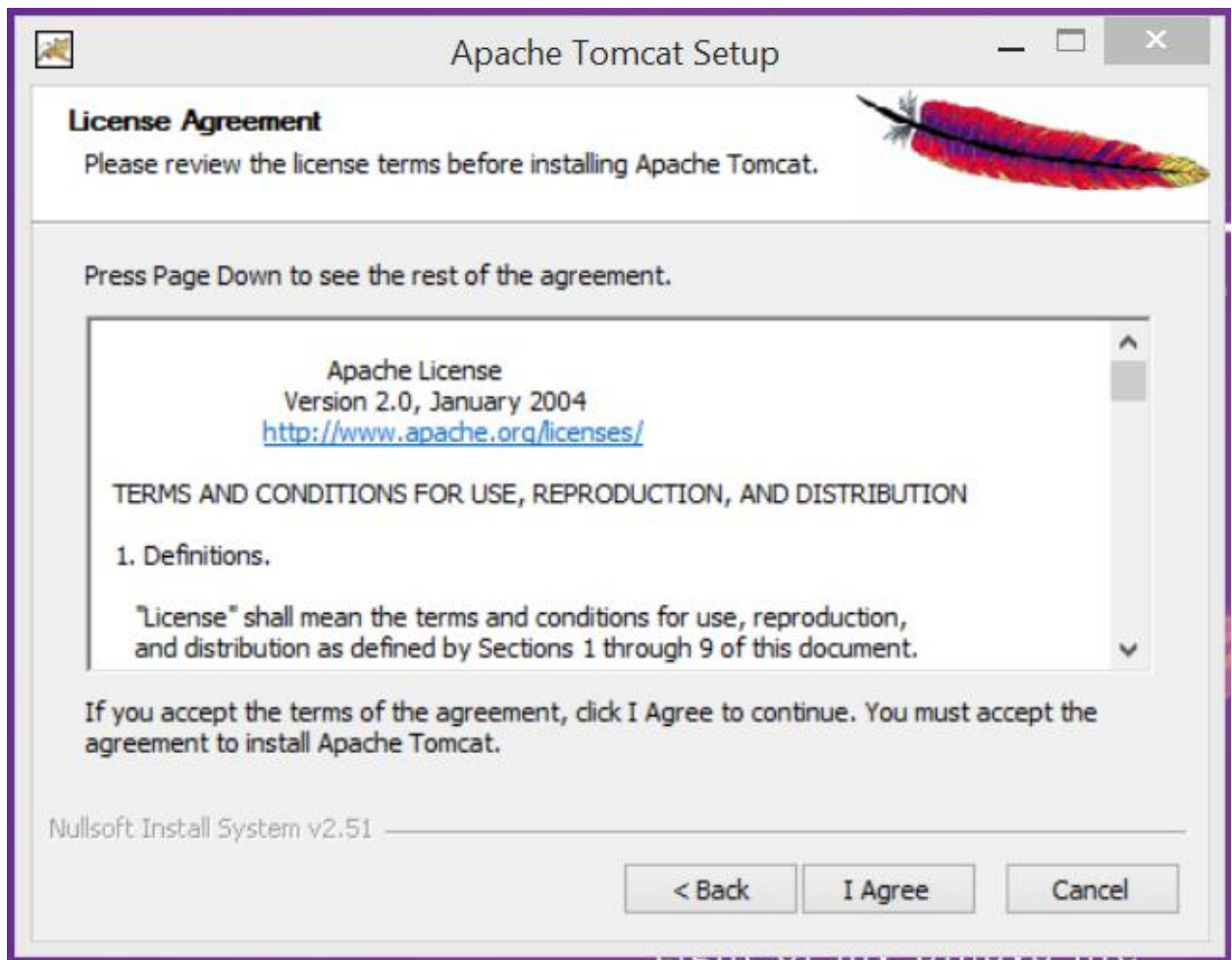
- mysql -u {username} -p {databasename} < metadata.sql

5 Step 2-Install Apache Tomcat:

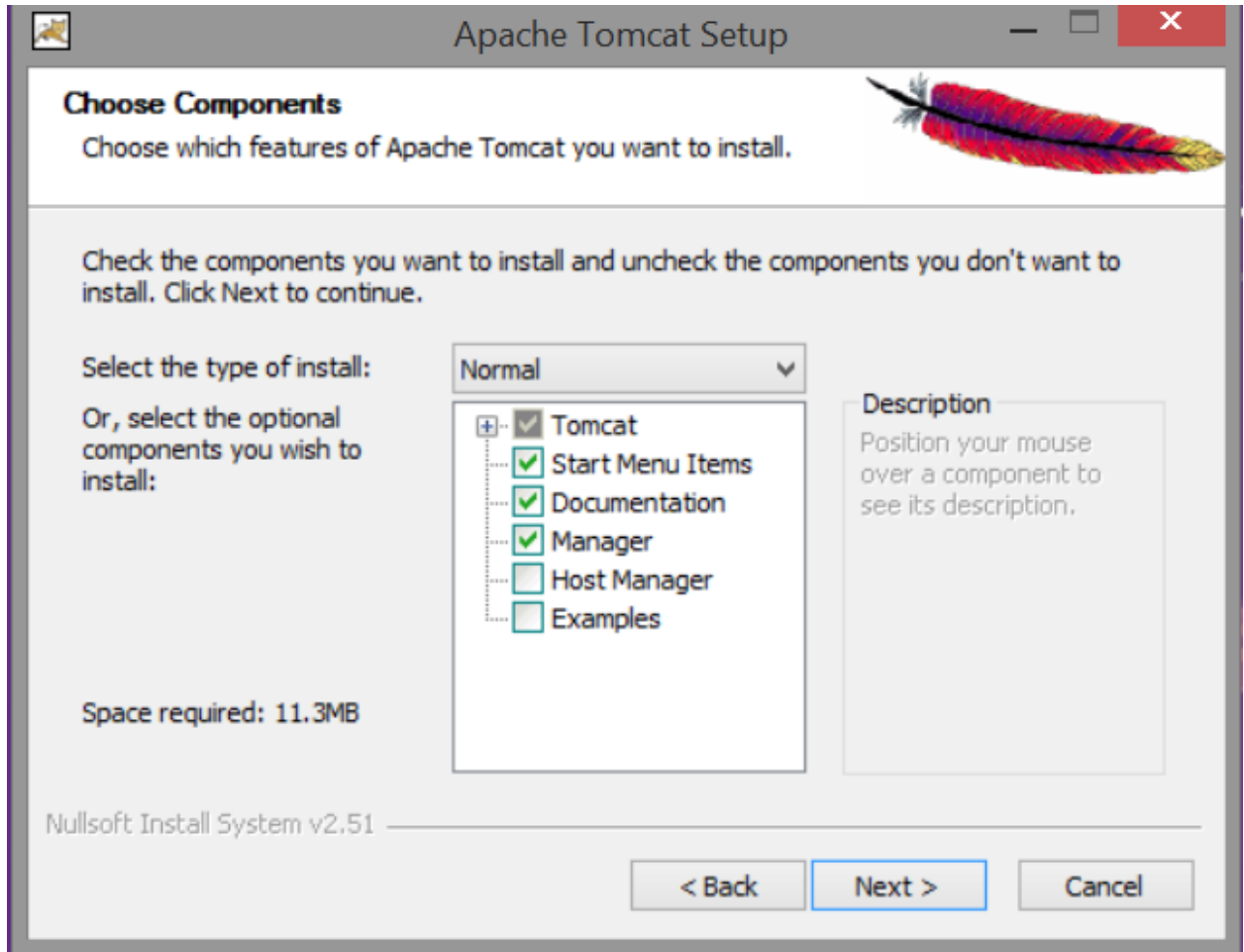
Step-1: Double Click apache-tomcat-8.0.37.exe to install apache tomcat.



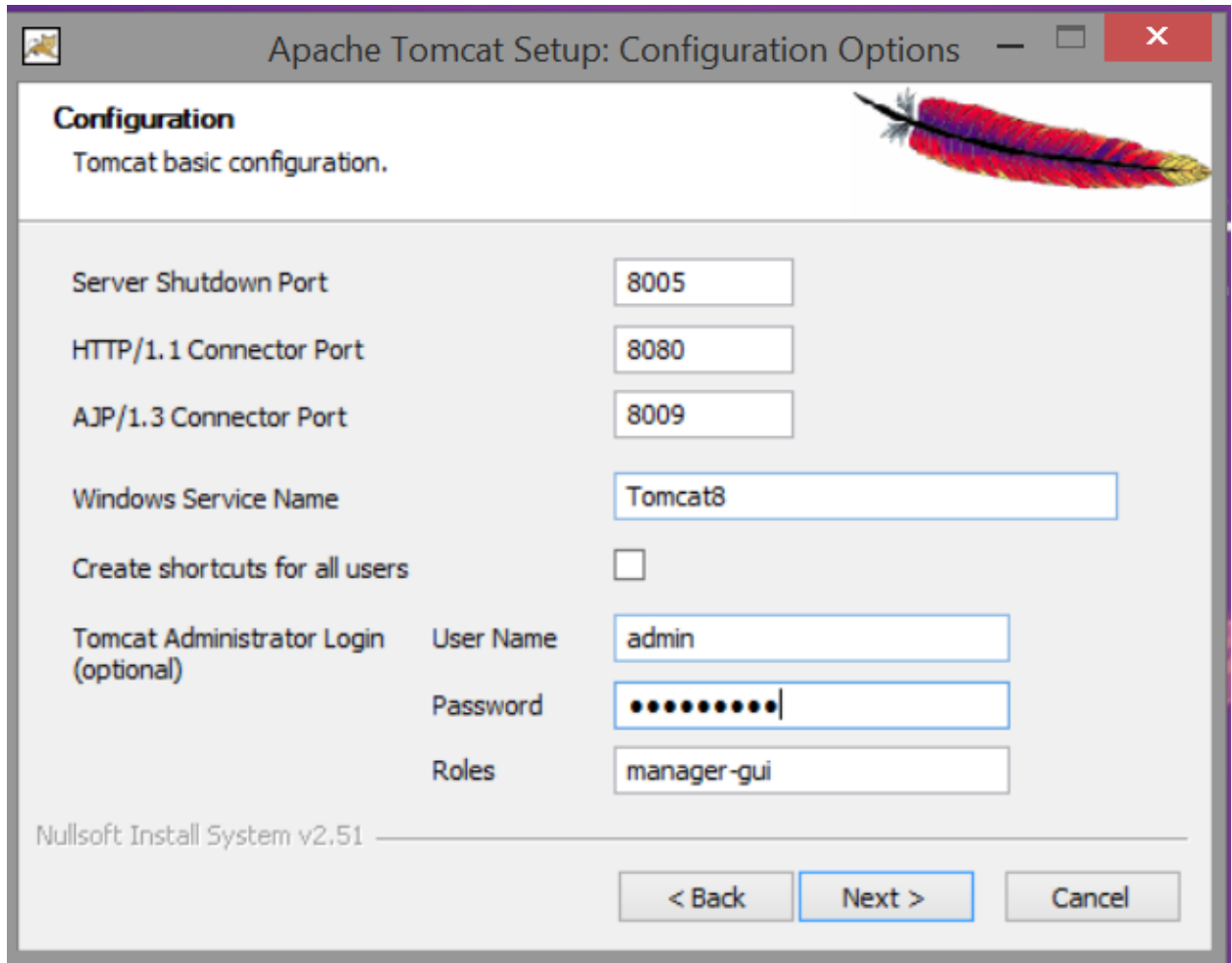
Click Next.



Click "I Agree".



Leave the configuration as it and click on "Next".

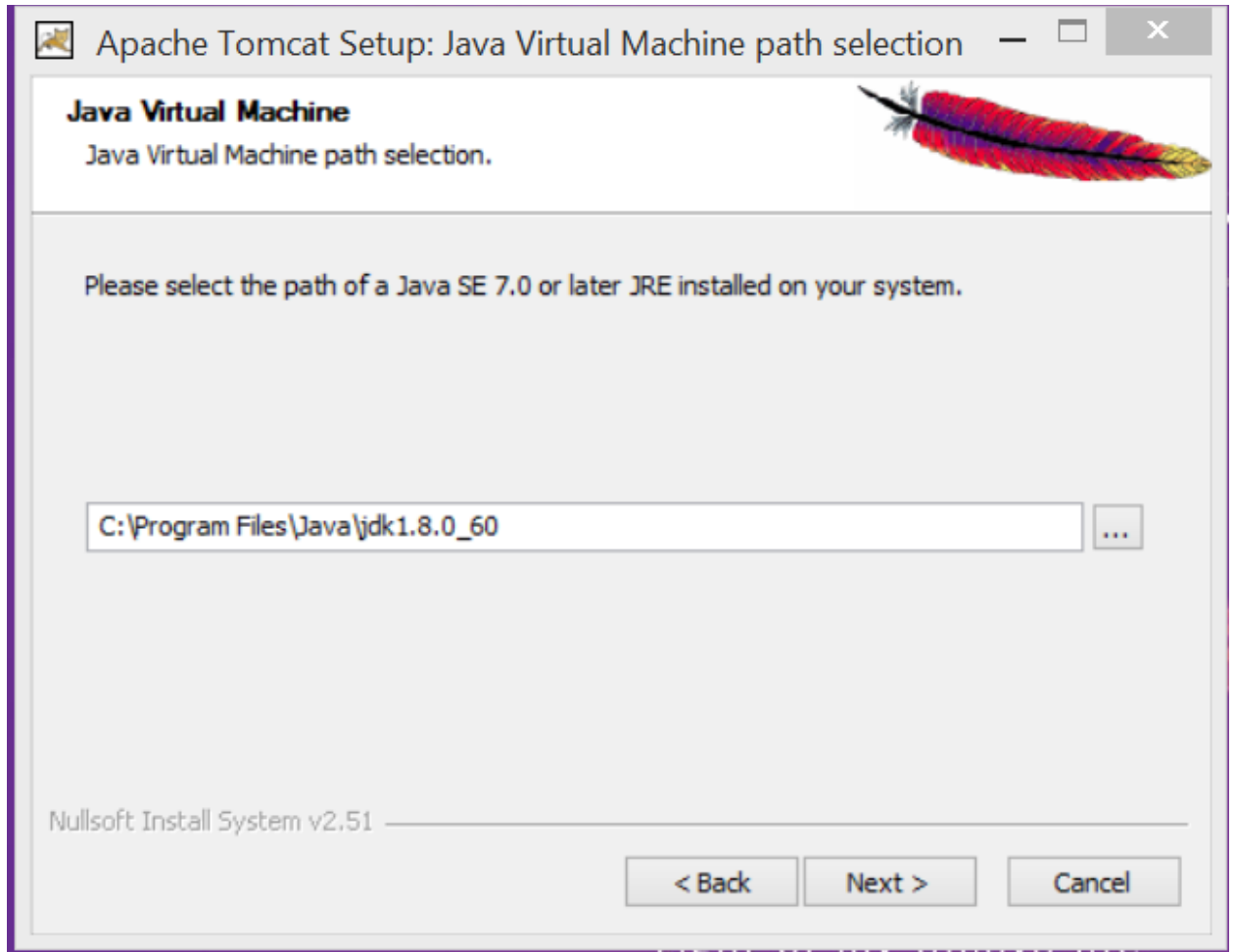


The image shows a Windows-style window titled "Apache Tomcat Setup: Configuration Options". The window has a standard title bar with minimize, maximize, and close buttons. The main content area is titled "Configuration" and contains the text "Tomcat basic configuration." followed by a decorative feather graphic. Below this, there are several configuration options with corresponding input fields:

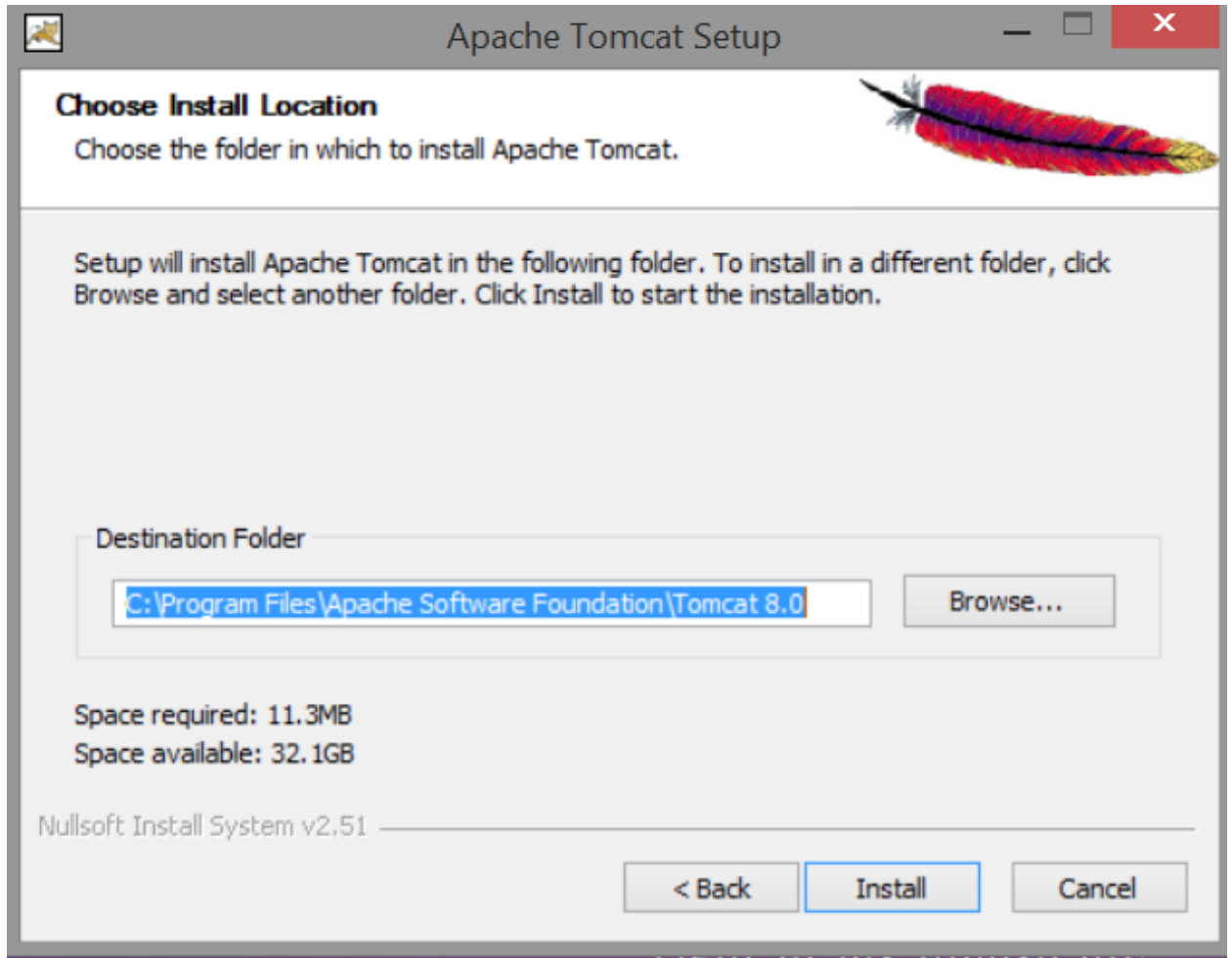
- Server Shutdown Port: 8005
- HTTP/1.1 Connector Port: 8080
- AJP/1.3 Connector Port: 8009
- Windows Service Name: Tomcat8
- Create shortcuts for all users: ☐
- Tomcat Administrator Login (optional):
 - User Name: admin
 - Password: [masked with dots]
 - Roles: manager-gui

At the bottom left, it says "Nullsoft Install System v2.51". At the bottom right, there are three buttons: "< Back", "Next >" (highlighted with a blue border), and "Cancel".

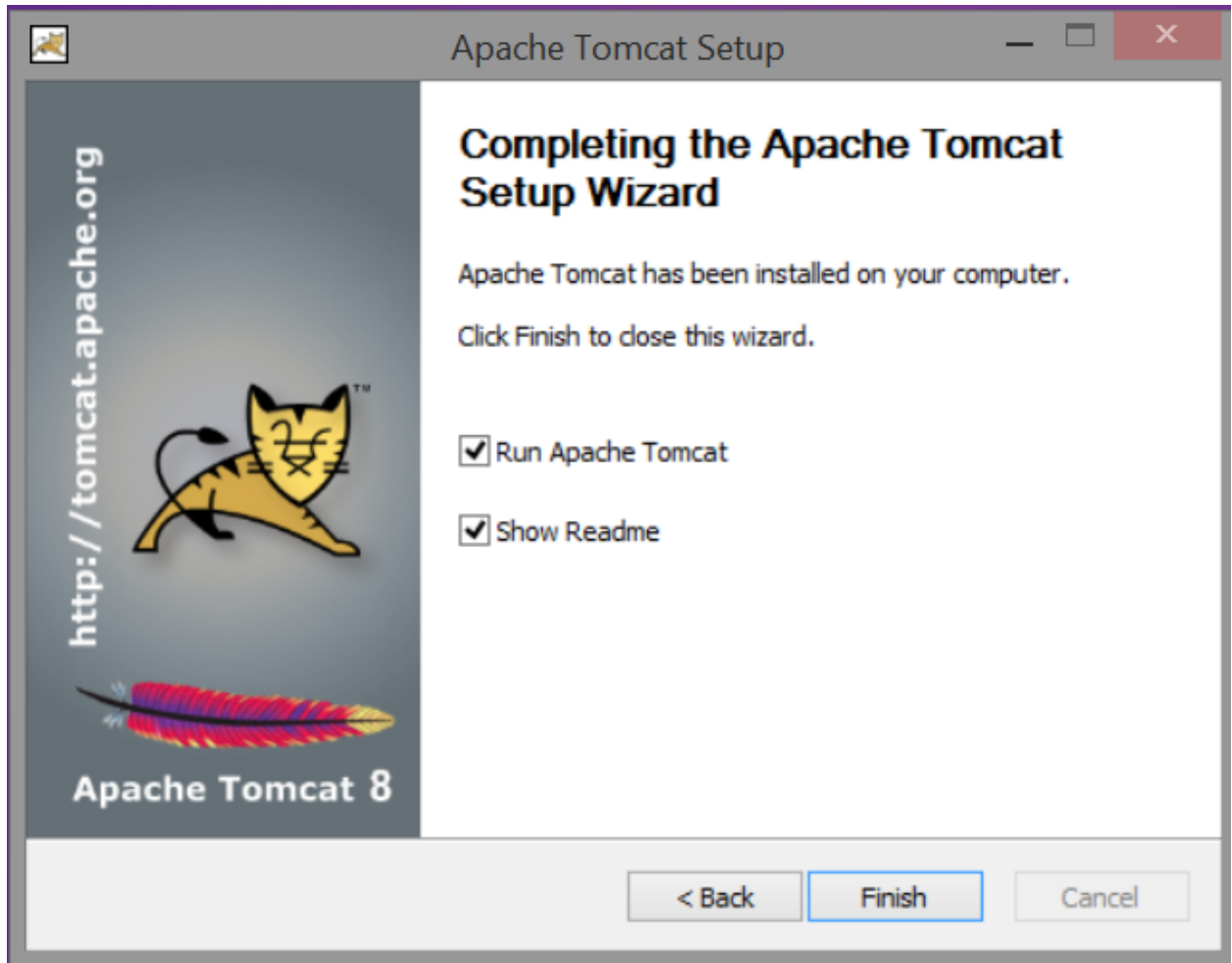
Leave default the ports configuration as is, provide admin username and password and click "Next".



Configure the JDK or JRE Path and Click on “Next”.



Configure the Destination Folder and Click on “Install”.



After Installation you should be able to see the “Apache Tomcat 8.0 tomcat8” service as below. If not started “Start” it.

Alps HID Monitor Service	Monitor HID device for Alps	Running	Automatic	Local System...
Apache Tomcat 8.0 Tomcat8	Apache Tomcat 8.0.37 Server - http://t...	Running	Manual	Local System...

6 Compiling the Code

Installation of Apache Maven:

1. Apache Maven ([download](#)).

After downloading maven unzip the zip file to a folder (example: C:\maven).

Add maven path to Path variable.

SET PATH=%PATH%;C:\MAVEN\apache-maven-3.3.9\bin;

Compiling the code:

1. Go to the project checkout location, open command prompt.
2. Go to “mscws-portal-api” by typing
 - Cd mscws-portal-api

```
C:\Users\kulkarnk\git\cws-caseworker-parent-portal>cd mscws-portal-api
```

3. Now run below command to compile and package the code.

Command: mvn clean install -DskipTests

```
C:\Users\kulkarnk\git\cws-caseworker-parent-portal\mscws-portal-api>mvn clean install -DskipTests
```

7 Final Deployment

Copy the “mscws-portal-api-1.0.0-SNAPSHOT.war” from <code-checkout-location>\mscws-portal-api\target\ to <TOMCAT_DIR>\webapps\.

```
C:\Users\kulkarnk\git\cws-caseworker-parent-portal\mscws-portal-api\target>dir
Volume in drive C is OSDisk
Volume Serial Number is EAC5-50B6

Directory of C:\Users\kulkarnk\git\cws-caseworker-parent-portal\mscws-portal-api\target

10/13/2016  10:57 AM    <DIR>          .
10/13/2016  10:57 AM    <DIR>          ..
10/13/2016  10:57 AM    <DIR>          classes
10/13/2016  10:57 AM    <DIR>          cobertura
10/13/2016  10:57 AM    <DIR>          generated-classes
10/13/2016  10:57 AM    <DIR>          generated-sources
10/13/2016  10:57 AM    <DIR>          generated-test-sources
10/13/2016  10:57 AM    <DIR>          maven-archiver
10/13/2016  10:57 AM    <DIR>          mscws-portal-api-0.0.1-SNAPSHOT
10/13/2016  10:57 AM      18,302,412  mscws-portal-api-0.0.1-SNAPSHOT.war
10/13/2016  10:57 AM    <DIR>          site
10/13/2016  10:57 AM    <DIR>          test-classes
               1 File(s)      18,302,412 bytes
               11 Dir(s)   3,879,849,984 bytes free
```

Restart the server.

Ping the below URL: <http://<host>:<port>/mscws-portal-api-1.0.0-SNAPSHOT/resources/index.html#/>

For example:

<http://52.24.122.11:8080/mscws-portal-api/resources/index.html#/>