

CCTNS Offline Client Application Package Installation Manual on Windows (32bit)

For Core Application Software (CAS) Crime and Criminal Tracking Network and Systems (CCTNS)

Submitted to:



National Crime Records Bureau
Ministry of Home Affairs
Government of India

Submitted By
Wipro Limited



Confidentiality

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PROJECT CONTROL

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DOCUMENT CONTROL

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Date:

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1 Introduction

This document is intended to provide the steps to install CCTNS Offline Client Application.

2 Hardware & Software Configuration

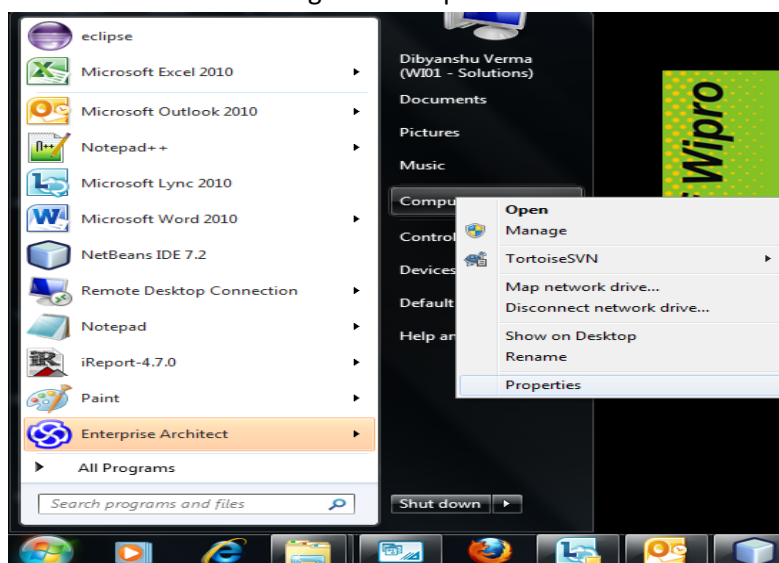
Client Machine	
Memory	2GB RAM minimum.
Storage	60 GB hard disk.
Monitor	Any monitor supporting 1024x768 screen resolution.
I/O Devices	Compatible key board, mouse, NIC , Network cable.
Operating System	Windows XP or above

3 Dependents and Requirements

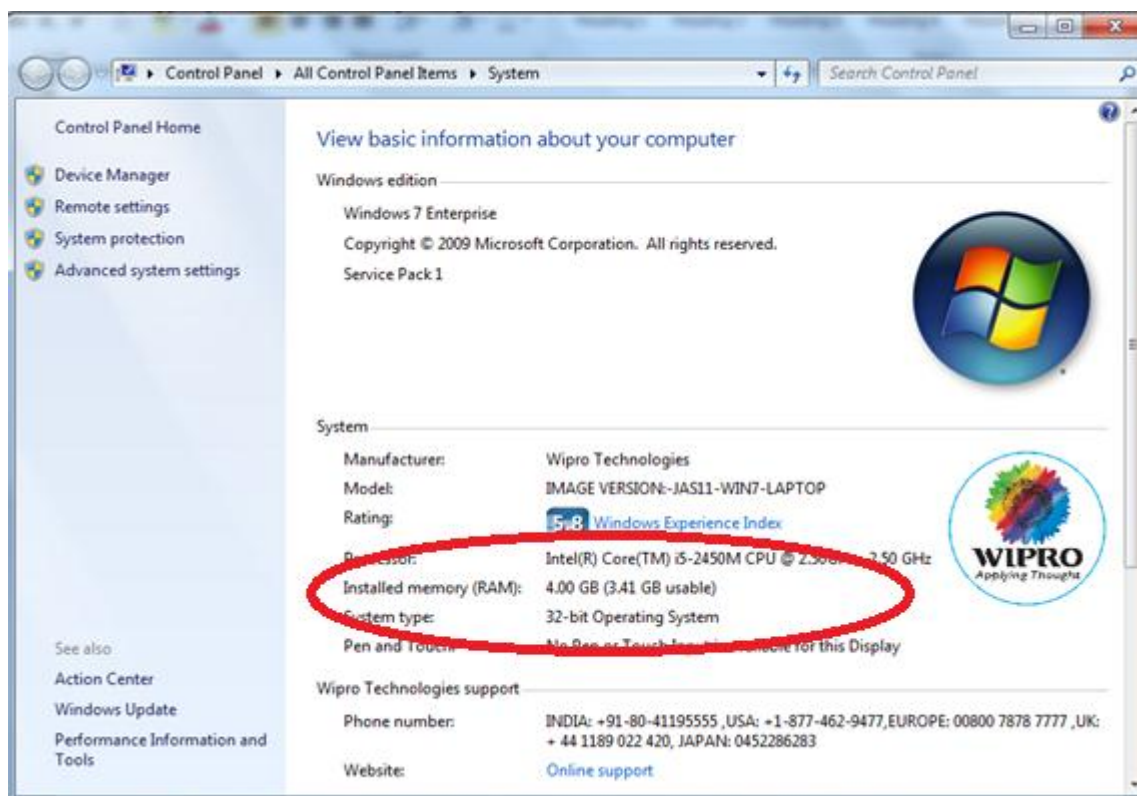
- 1) Xcopy command should be present and must work.
- 2) D:\ drive should be available in your system, as most recent operating system doesn't provide write access of primary partition i.e. C: drive. If there is no secondary partition, please contact your system administrator get write permission on the primary partition.
- 3) You must ensure the version of windows you are installing the application.
- 4) "Times New Roman" , "Mangal" and "Arial Unicode MS" font should be installed. Font can also be manually installed from the Installation Directory **Dependency\fonts**

4 Know Your WINDOWS Version

1. Click on Start menu and go to "Computer"



2. Right click on "Computer" icon and click on properties. The screen below will get open.



The area marked in red is showing the version of Windows (here it is 32 -bit).

5 Installation Procedure (Complete installation)

You should be logged in with a user having **administrator** privileges.

This will install Offline version 3.0

NOTE:

1. The release version number is incorporated in main jar file (CCTNS_Offline_Application.jar).
2. If some errors are encountered while installing, the file "C:\cctns_offline_installation_log\simple.log" can be referred.

This procedure is to be used on computers on which Offline client application is going to be installed for the first time.

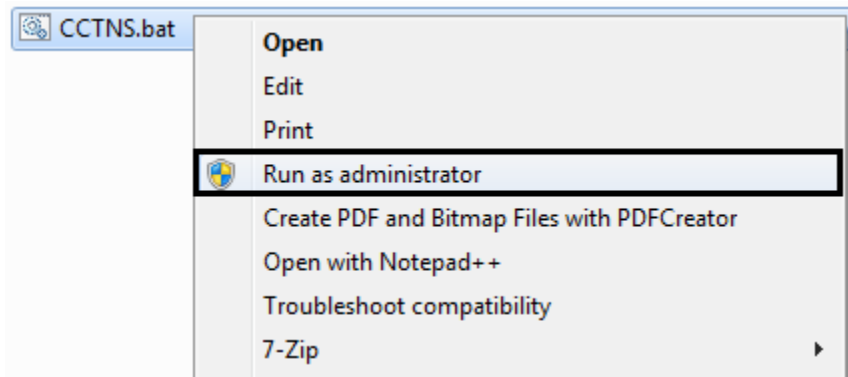
To find out whether Offline client application is already installed on your system, check if the directory **C:\CCTNSClientApplication** exists, if yes, it is installed, and you need to follow you need to install with incremental installation provided separately.

Step1) Put the CD inside the CD-ROM, or browse to the latest release downloaded from NCRB website, whatever you got from the NCRB Team.

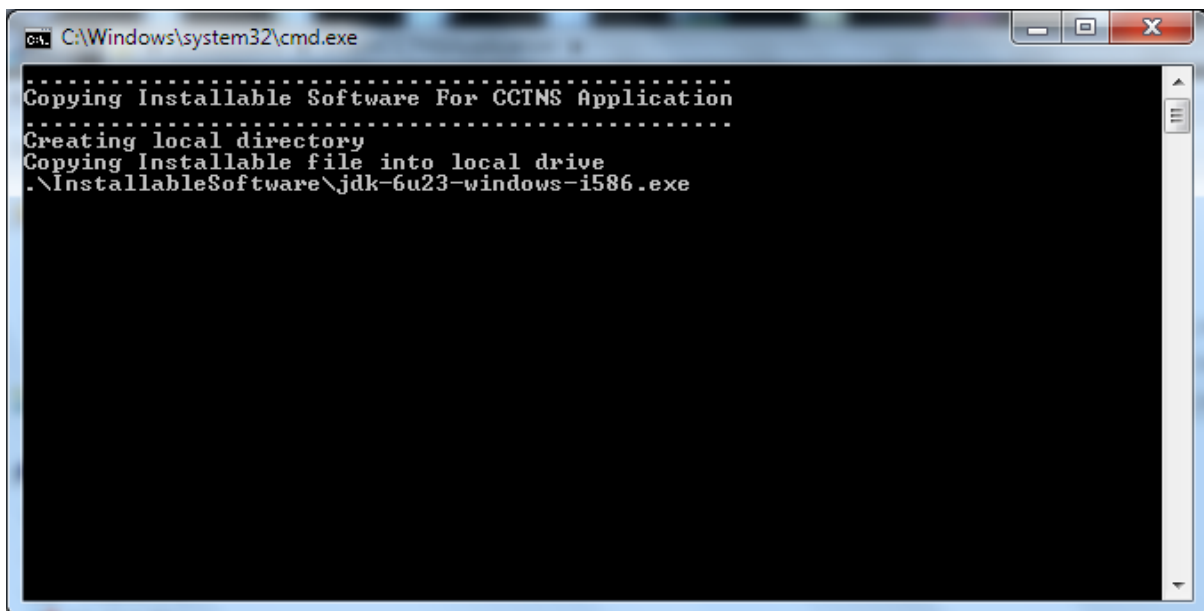
Step2) You will find there two folders one for installation 32 bit and one for installation on 64 bit system. Browse "Client CCTNS Application" Folder for respective bit operating system. Once you open the Folder you will get the CCTNS.bat file.

On Windows XP, Double click the CCTNS.bat file.

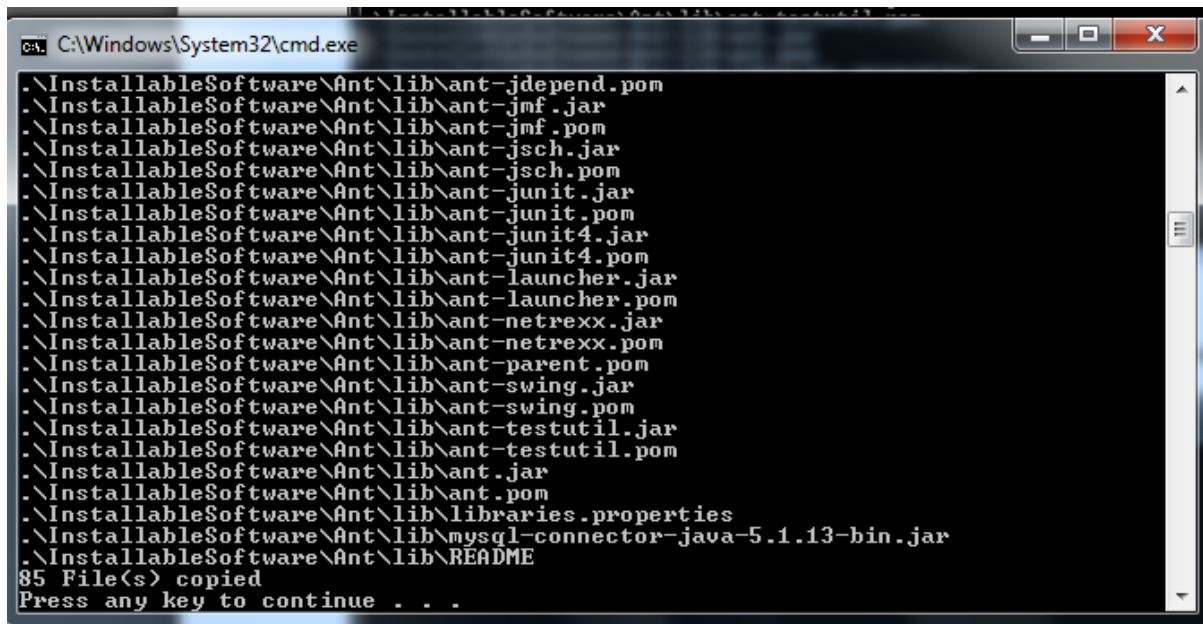
On Windows 7, right click on file CCTNS.bat and click on Run as Administrator, as show below.



Step3). It will automatically copy the installation software inside the temp folder and gives you the below screen.



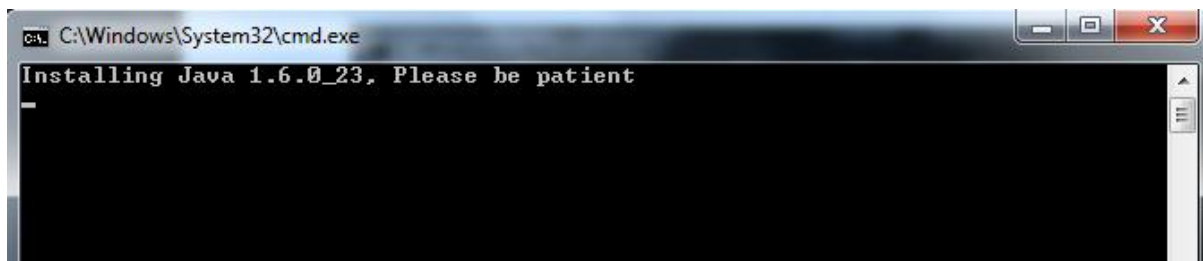
After copying all CCTNS related software inside the temp folder utility comes up with the screen below.



```
C:\Windows\System32\cmd.exe
.\InstallableSoftware\Ant\lib\ant-jdepend.pom
.\InstallableSoftware\Ant\lib\ant-jmf.jar
.\InstallableSoftware\Ant\lib\ant-jmf.pom
.\InstallableSoftware\Ant\lib\ant-jsch.jar
.\InstallableSoftware\Ant\lib\ant-jsch.pom
.\InstallableSoftware\Ant\lib\ant-junit.jar
.\InstallableSoftware\Ant\lib\ant-junit.pom
.\InstallableSoftware\Ant\lib\ant-junit4.jar
.\InstallableSoftware\Ant\lib\ant-junit4.pom
.\InstallableSoftware\Ant\lib\ant-launcher.jar
.\InstallableSoftware\Ant\lib\ant-launcher.pom
.\InstallableSoftware\Ant\lib\ant-netrexx.jar
.\InstallableSoftware\Ant\lib\ant-netrexx.pom
.\InstallableSoftware\Ant\lib\ant-parent.pom
.\InstallableSoftware\Ant\lib\ant-swing.jar
.\InstallableSoftware\Ant\lib\ant-swing.pom
.\InstallableSoftware\Ant\lib\ant-testutil.jar
.\InstallableSoftware\Ant\lib\ant-testutil.pom
.\InstallableSoftware\Ant\lib\ant.jar
.\InstallableSoftware\Ant\lib\ant.pom
.\InstallableSoftware\Ant\lib\libraries.properties
.\InstallableSoftware\Ant\lib\mysql-connector-java-5.1.13-bin.jar
.\InstallableSoftware\Ant\lib\README
85 File(s) copied
Press any key to continue . . .
```

Please press the any key to continue.

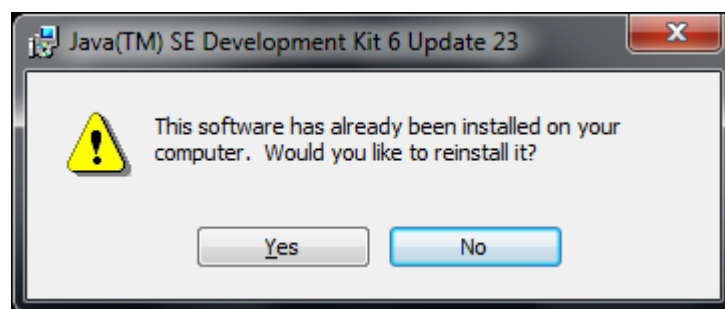
Step4) On pressing any key, utility will install JDK on your machine.



```
C:\Windows\System32\cmd.exe
Installing Java 1.6.0_23. Please be patient
```

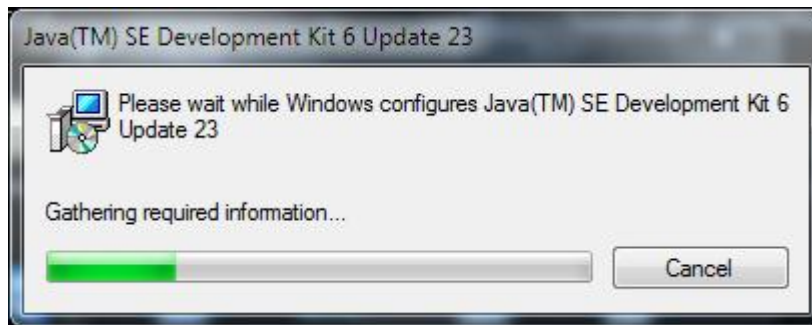
If JDK is already installed on the client, you will get the below screen as shown in next step..

Step5). In next step utility prompts user to reinstall the JDK, please press “No” button as shown below.

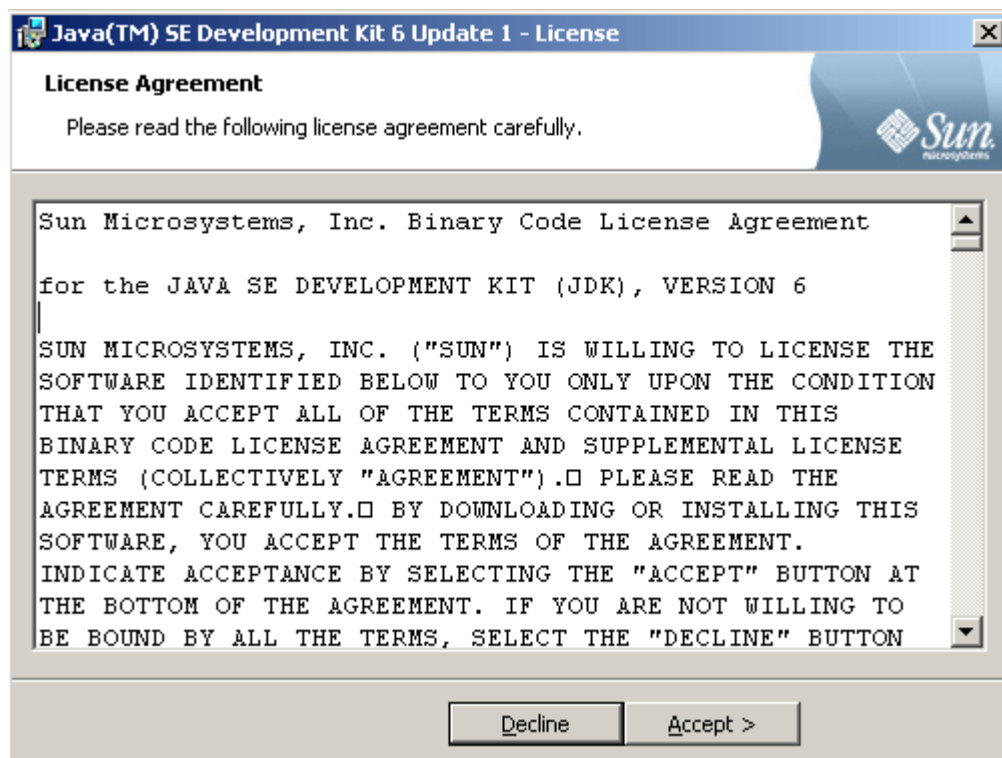


If JDK is not installed on the machine, JDK installation wizard will be shown to user.

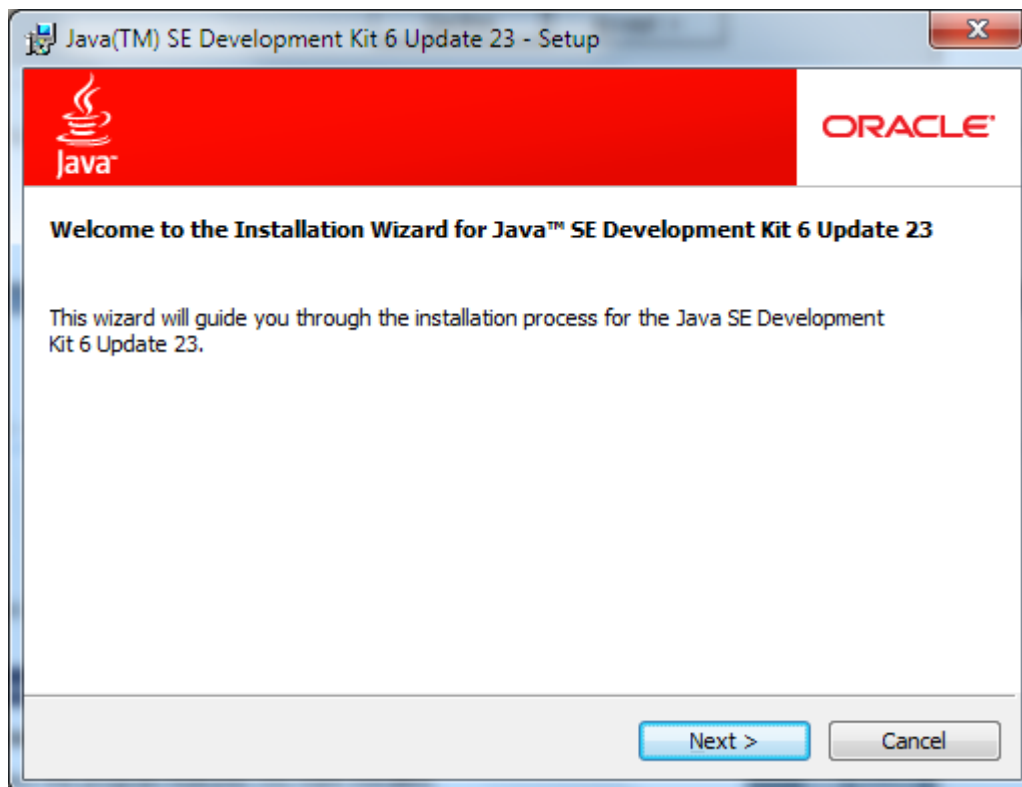
1. You will see **jdk-6u23-windows-i586** window as shown below.



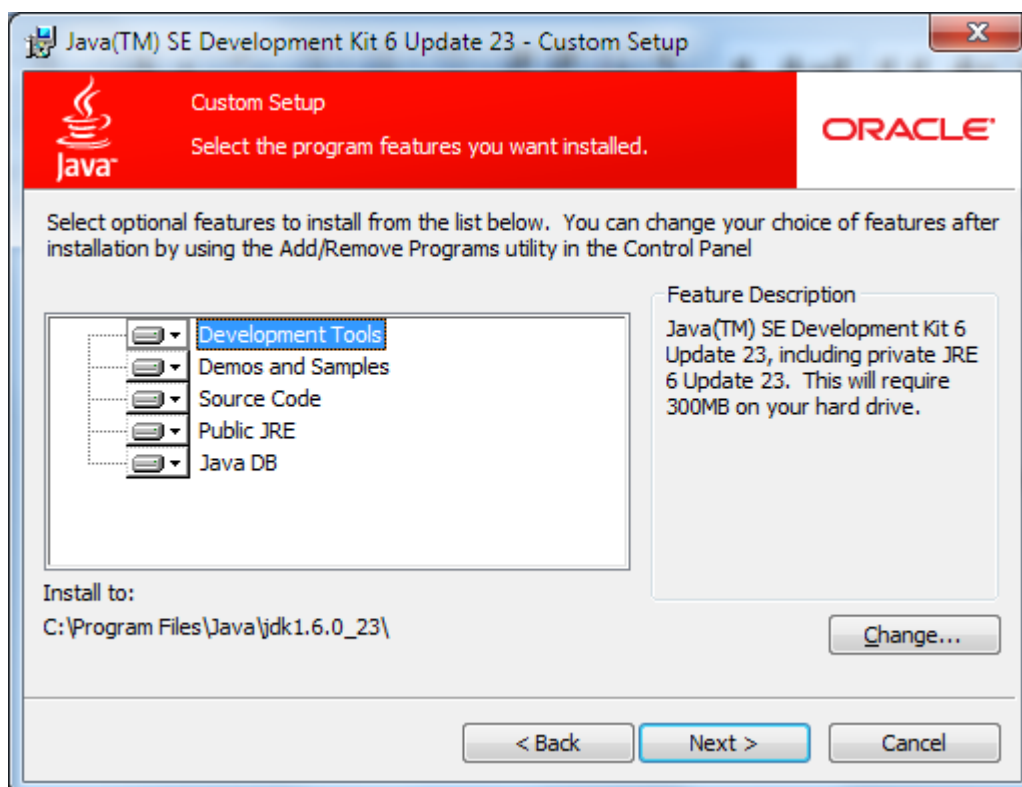
2. Now a "License Agreement" window opens. Just read the agreement and click "Accept" button to accept and go further.



3. Now click "Next Button"



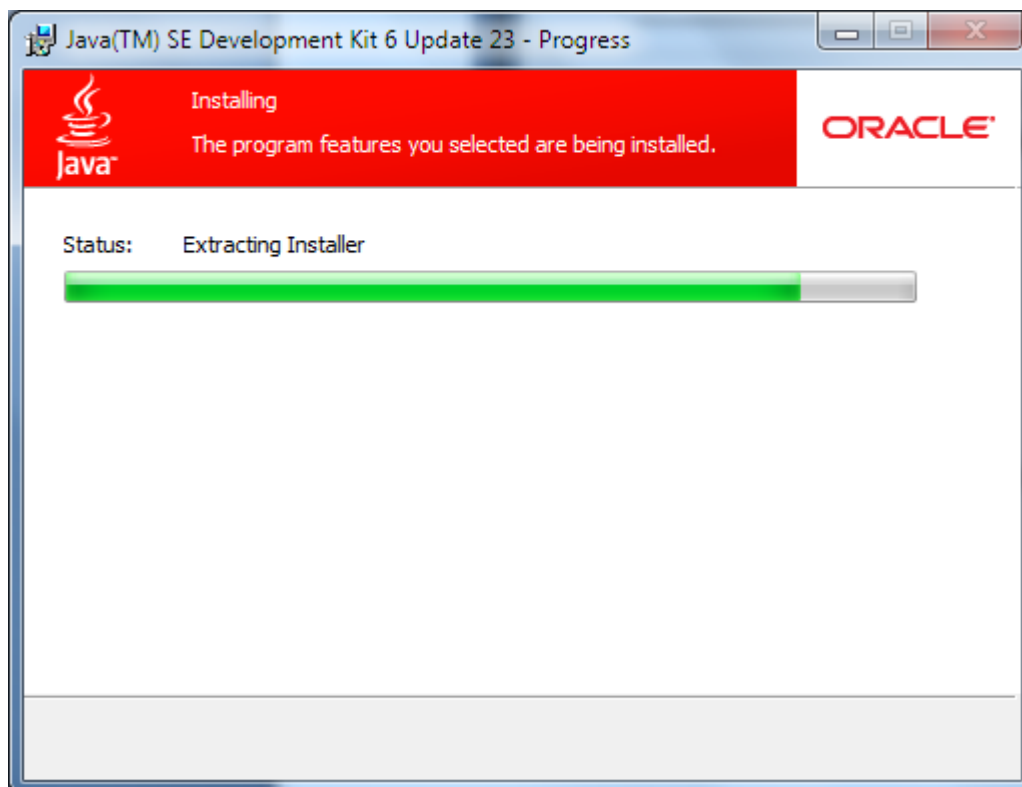
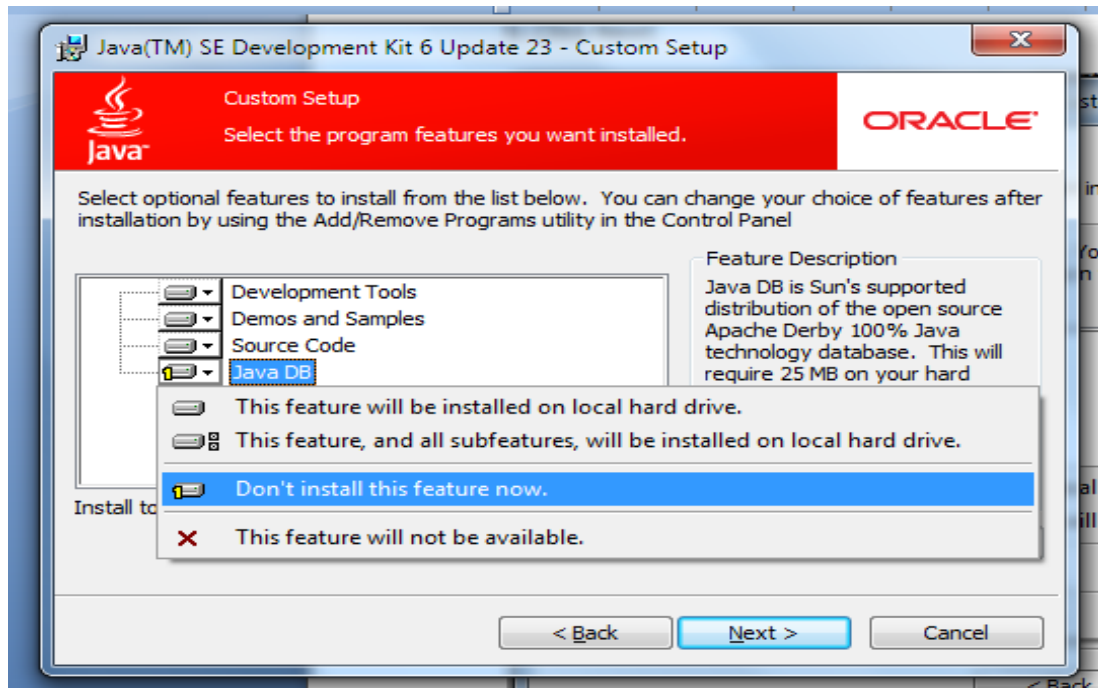
4. Now a "Custom Setup" window opens.

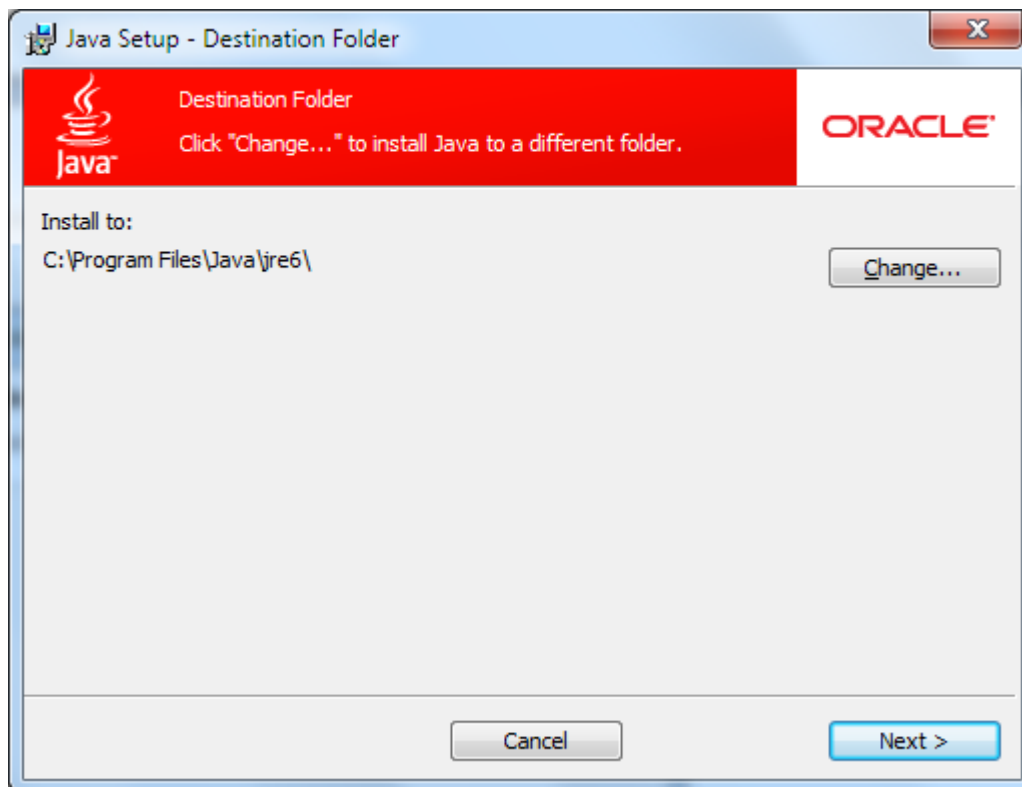


Install in to C:\Program Files\Java\jdk1.6.0_23\

5. CAS application requires only public JRE, for rest of the options like: -other like Development Tools, Demo and Samples and Source Code etc., please select "Do no install this feature now".

6. Click on “Next” button.

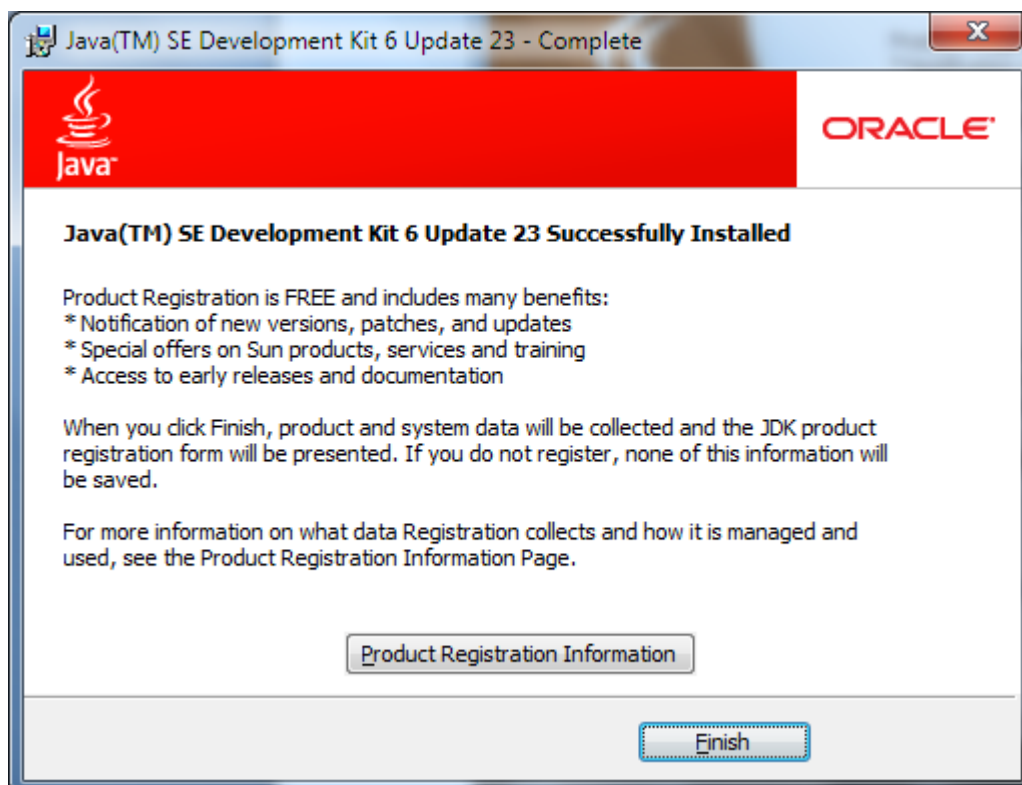




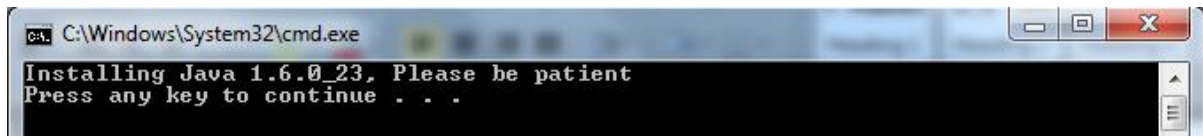
7. Setup-progress wizard would show up.



8. Click on Finish button.

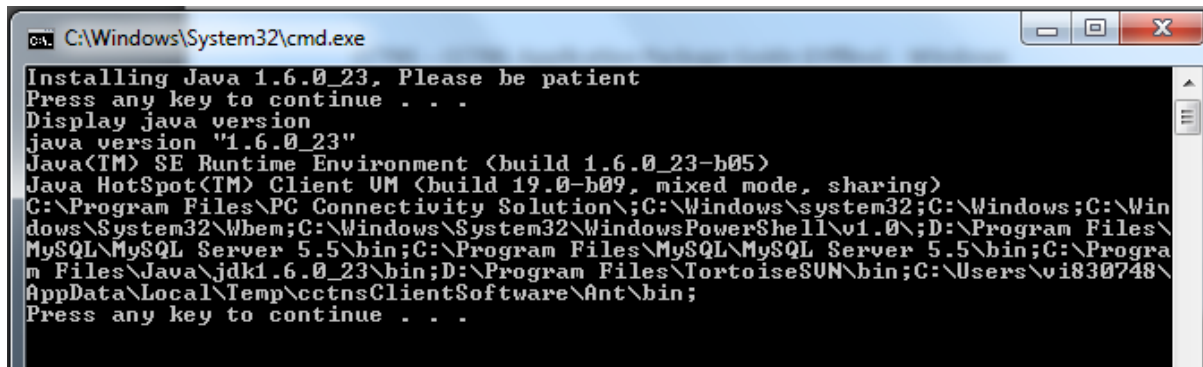


Step6). Once the JDK installation is complete, please press any key to continue.



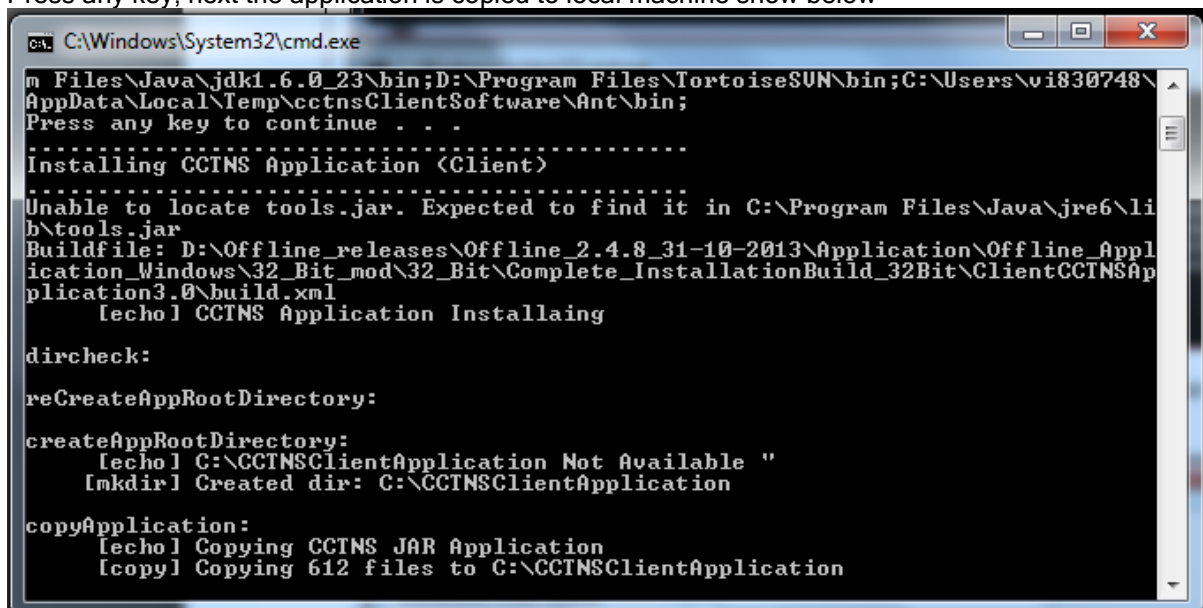
```
C:\Windows\System32\cmd.exe
Installing Java 1.6.0_23. Please be patient
Press any key to continue . . .
```

Step7) Now java version is shown as below.



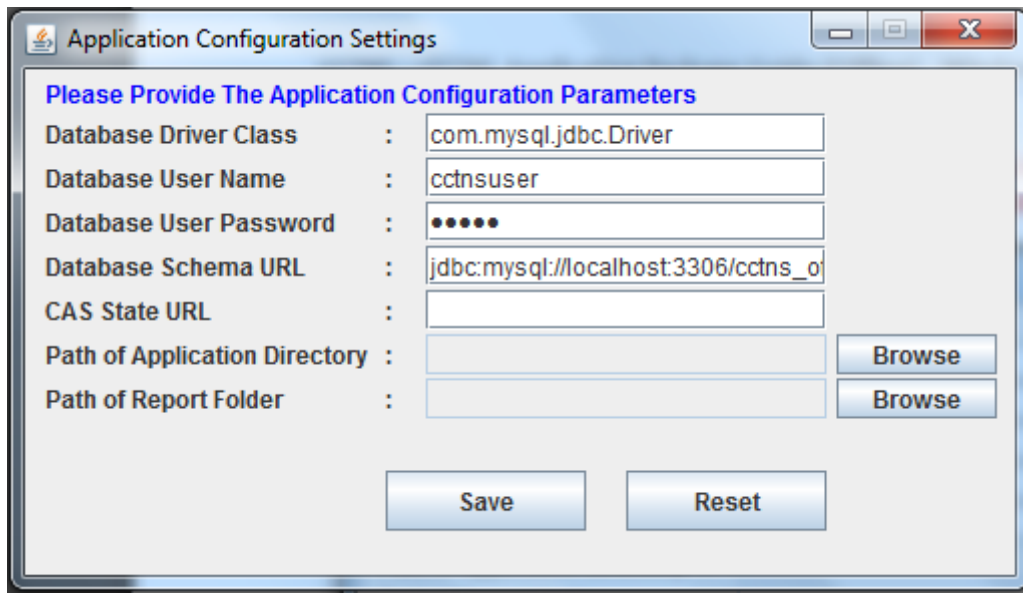
```
C:\Windows\System32\cmd.exe
Installing Java 1.6.0_23. Please be patient
Press any key to continue . . .
Display java version
java version "1.6.0_23"
Java(TM) SE Runtime Environment (build 1.6.0_23-b05)
Java HotSpot(TM) Client VM (build 19.0-b09, mixed mode, sharing)
C:\Program Files\PC Connectivity Solution\;C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;C:\Windows\System32\WindowsPowerShell\v1.0\;D:\Program Files\MySQL\MySQL Server 5.5\bin;C:\Program Files\MySQL\MySQL Server 5.5\bin;C:\Program Files\Java\jdk1.6.0_23\bin;D:\Program Files\TortoiseSUN\bin;C:\Users\vi830748\AppData\Local\Temp\cctnsClientSoftware\Ant\bin;
Press any key to continue . . .
```

Press any key, next the application is copied to local machine show below



```
C:\Windows\System32\cmd.exe
m Files\Java\jdk1.6.0_23\bin;D:\Program Files\TortoiseSUN\bin;C:\Users\vi830748\AppData\Local\Temp\cctnsClientSoftware\Ant\bin;
Press any key to continue . . .
Installing CCTNS Application (Client)
Unable to locate tools.jar. Expected to find it in C:\Program Files\Java\jre6\lib\tools.jar
Buildfile: D:\Offline_releases\Offline_2.4.8_31-10-2013\Application\Offline_Application_Windows\32_Bit_mod\32_Bit\Complete_InstallationBuild_32Bit\ClientCCTNSApplication3.0\build.xml
[echo] CCTNS Application Installing
dircheck:
reCreateAppRootDirectory:
createAppRootDirectory:
[echo] C:\CCTNSClientApplication Not Available "
[mkdir] Created dir: C:\CCTNSClientApplication
copyApplication:
[echo] Copying CCTNS JAR Application
[copy] Copying 612 files to C:\CCTNSClientApplication
```

Step8). After this the utility will ask the CCTNS Application credential to connect to database. As shown below screen.



The image shows a Windows-style dialog box titled "Application Configuration Settings". It contains a section titled "Please Provide The Application Configuration Parameters" with several input fields and buttons. The fields are: Database Driver Class (pre-filled with "com.mysql.jdbc.Driver"), Database User Name (pre-filled with "cctnsuser"), Database User Password (masked with "*****"), Database Schema URL (pre-filled with "jdbc:mysql://localhost:3306/cctns_o"), CAS State URL (empty), Path of Application Directory (empty), and Path of Report Folder (empty). There are "Browse" buttons next to the last two fields. At the bottom are "Save" and "Reset" buttons.

Database Driver Class	:	com.mysql.jdbc.Driver
Database User Name	:	cctnsuser
Database User Password	:	*****
Database Schema URL	:	jdbc:mysql://localhost:3306/cctns_o
CAS State URL	:	
Path of Application Directory	:	<input type="text"/> <input type="button" value="Browse"/>
Path of Report Folder	:	<input type="text"/> <input type="button" value="Browse"/>

Enter the Application Configuration Settings (recommended values are pre-filled for ease of user) As shown below:

Significance of the parameters:

Database Driver class: This is the driver name to be used for connecting database.

[com.mysql.jdbc.Driver](#)

Database User Name: The default user name is “**cctnsuser**”. Only this user should be used, as this user has got tailored access over database. For the security purpose the user name is encrypted. This encryption is done at the time of application configuration done by user.

Database User Password: The password for the default user is “**cctns**” to access the database. For the security purpose the user name is encrypted. This encryption is done at the time of application configuration done by user.

Database Schema URL: The standard URL of the database. If the database is installed centrally on a system and the other desktops are connecting to it, then the URL would contain the IP address of the system on which database is installed.

[jdbc:mysql://<IP of server>:3306/cctns_offline_db_sync_proc](#)

CAS State URL This is the url of the the CAS Onlinestate application.

[http://10.105.115.28/CCTNSWeb/Login.aspx](#)

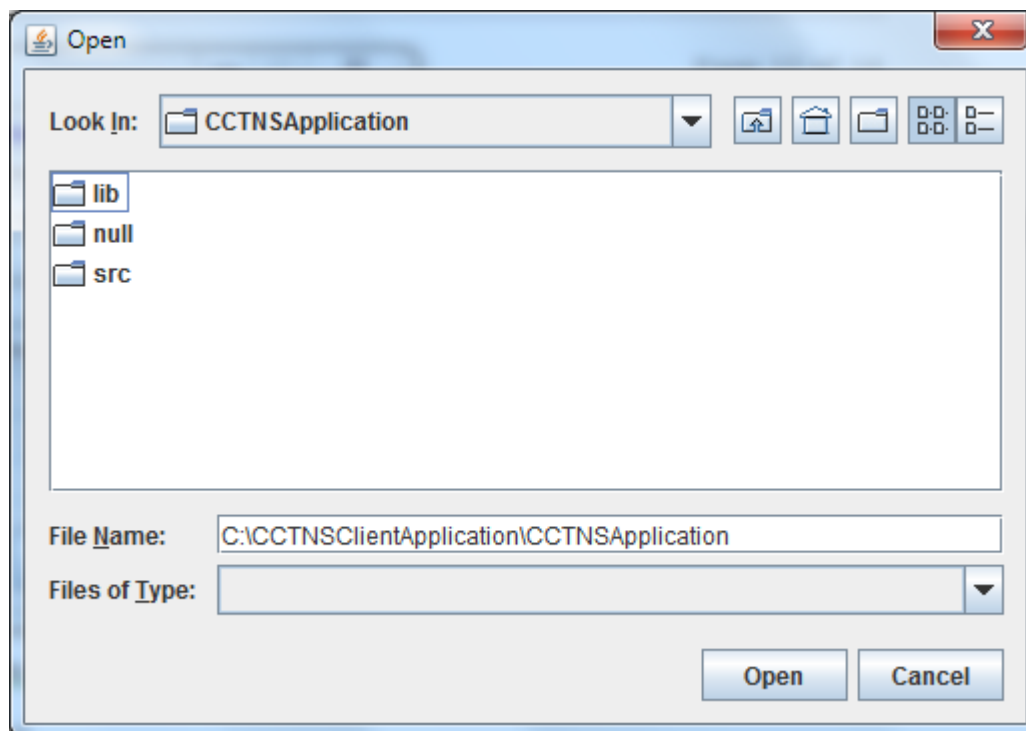
Path of Application* This is the path of directory where CAS offline application is stored.

[C:\CCTNSClientApplication\CCTNSApplication](#)

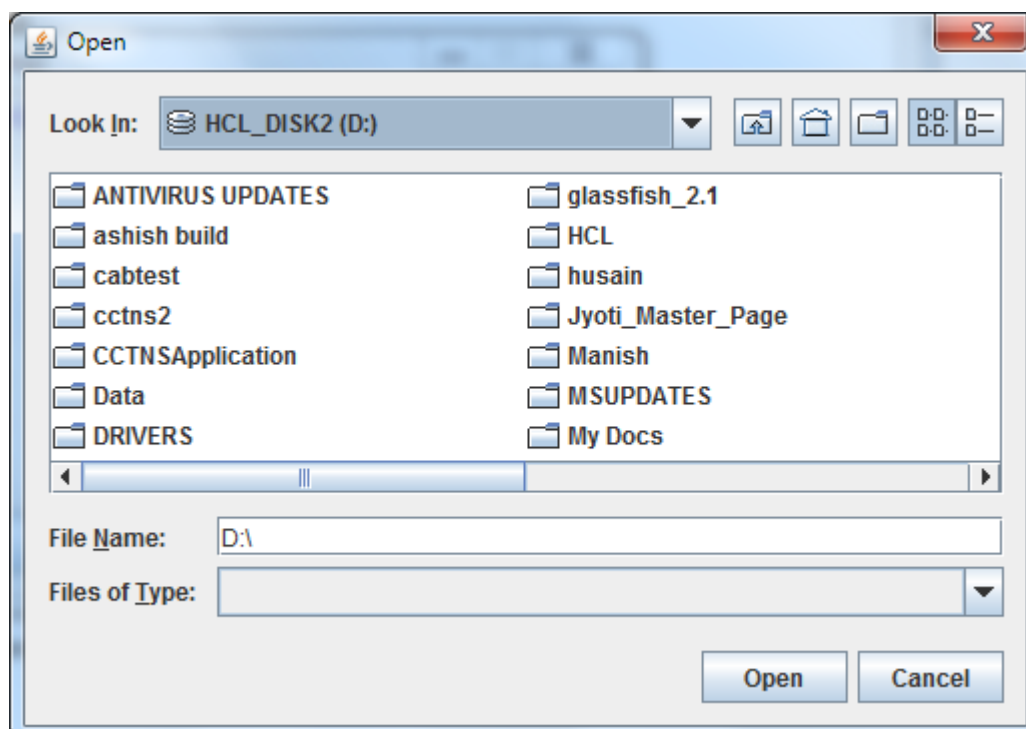
Path of Report Folder This is the path where fir pdf is created. It can be any path in file system that has write permissions.

*Path ofApplication Directory:C:\CCTNSClientApplication\CCTNSApplication

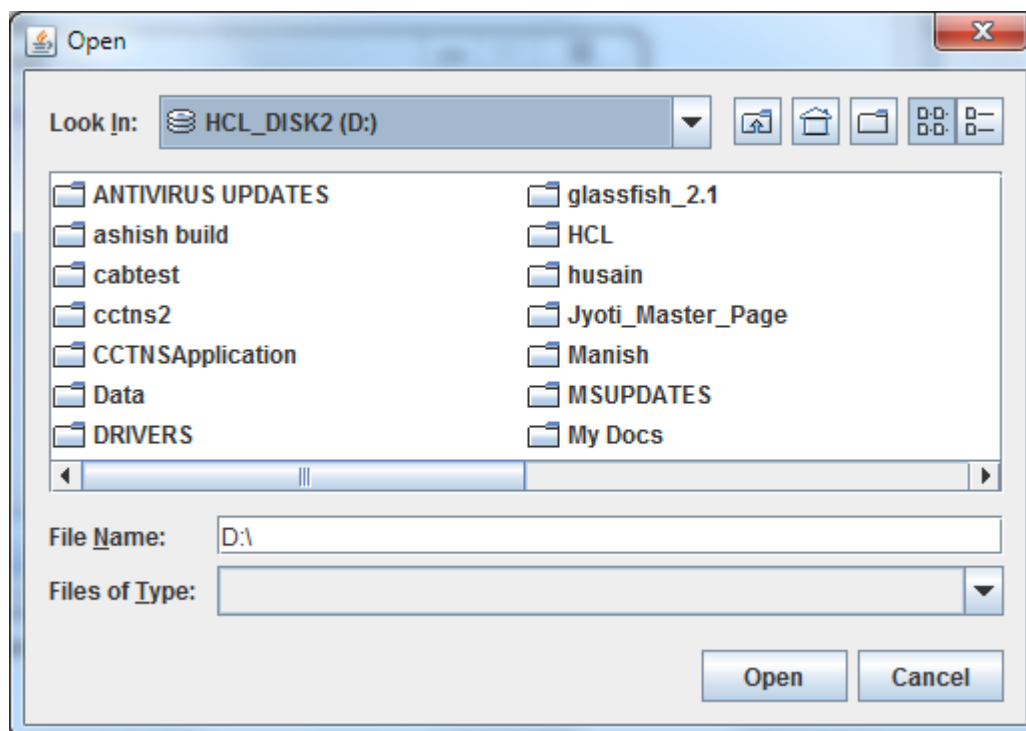
As per the below screen



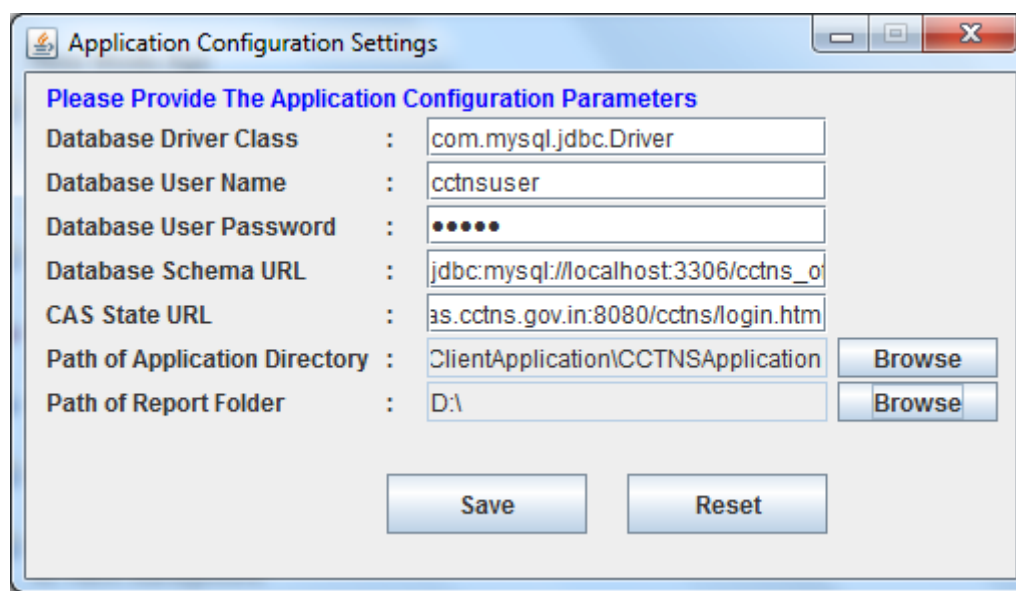
Path of FIR Report Folder: D:\



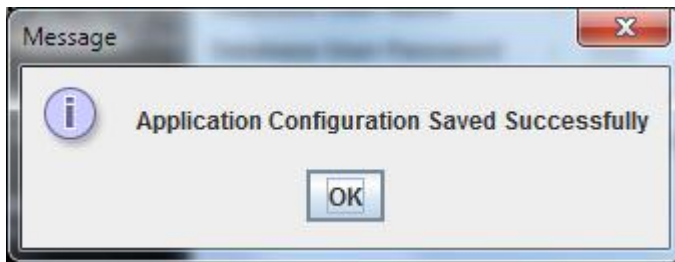
Path of Temp Folder: D:\



After providing proper inputs, the configuration screen will have all the parameters as shown below.



Press the save button to save the CCTNS Application environmental configuration.



Click on OK, following screen would be shown.

```
copyApplication:
[echo] Copying CCTNS JAR Application
[copy] Copying 612 files to C:\CCTNSClientApplication

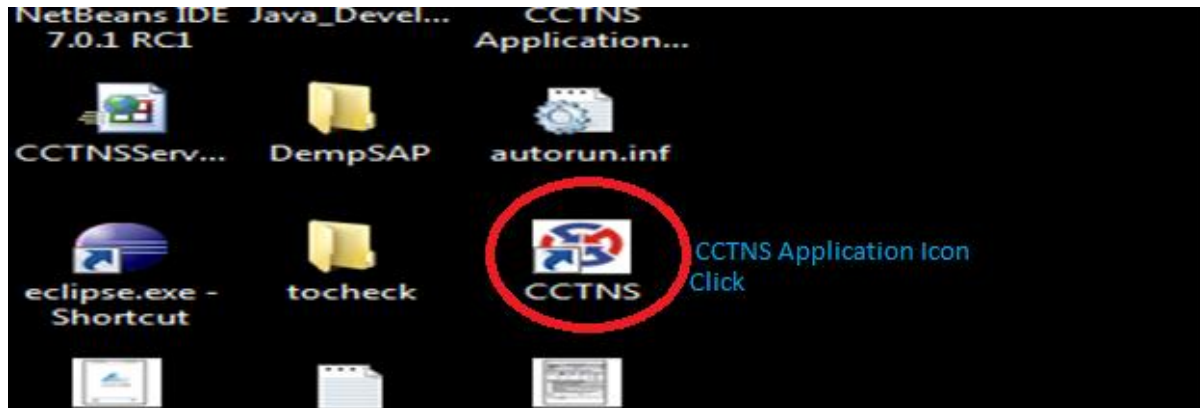
ApplicationDBUserDetails:
[echo] To set the Database settings
[java] ZaeS81/50XvRsN4Jb6aN8qcBre0M47EyGLAYLuy+G2NCuouxmwCUS5yEiP9TG1xo3a9E
Tj19iXQS
[java] Ui1l01R33g==
[java] qGn9Tm90KxnCmTv66+oz+v7RGCFN5o+1Ad765jWrxsx+MQae97Sray65PDwpWoWc

createAppShortCut:
[echo] CCTNS Short CUT Created
[exec] Microsoft (R) Windows Script Host Version 5.8
[exec] Copyright (C) Microsoft Corporation. All rights reserved.
[exec]

pauseAfterDone:
[echo] Done, please look at the output above, if any error please follow the
e procedure again.
[input] Press return(enter) key to continue...
```

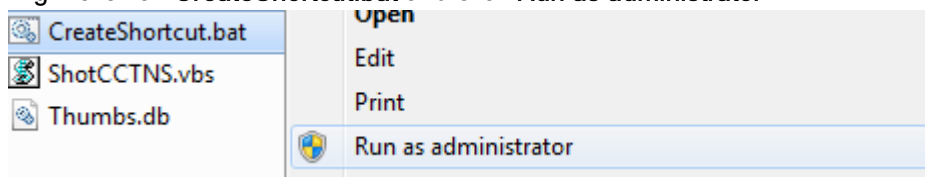
At the last step you would be asked to review all the output shown, if no errors are shown, you have successfully installed. If you find any error repeat the installation.

Step9). The final step will generate the icon on desktop of your system, as shown below.

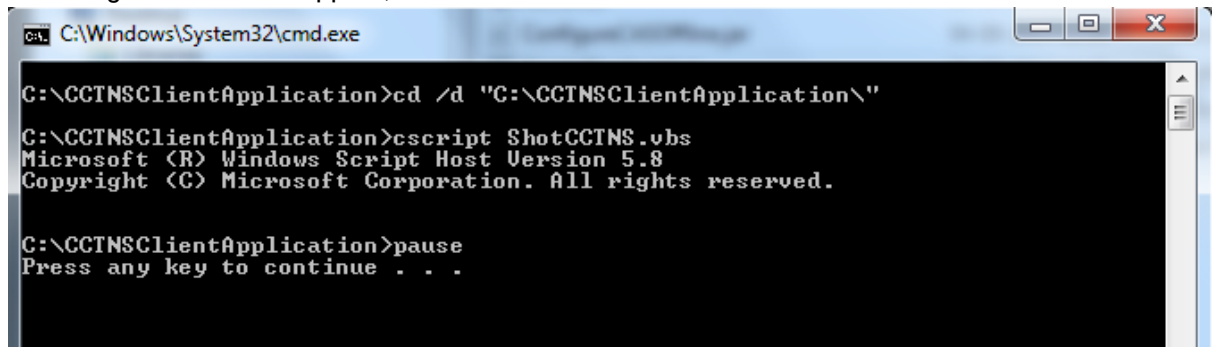


If in case the icon is not created on the desktop, follow the following steps.

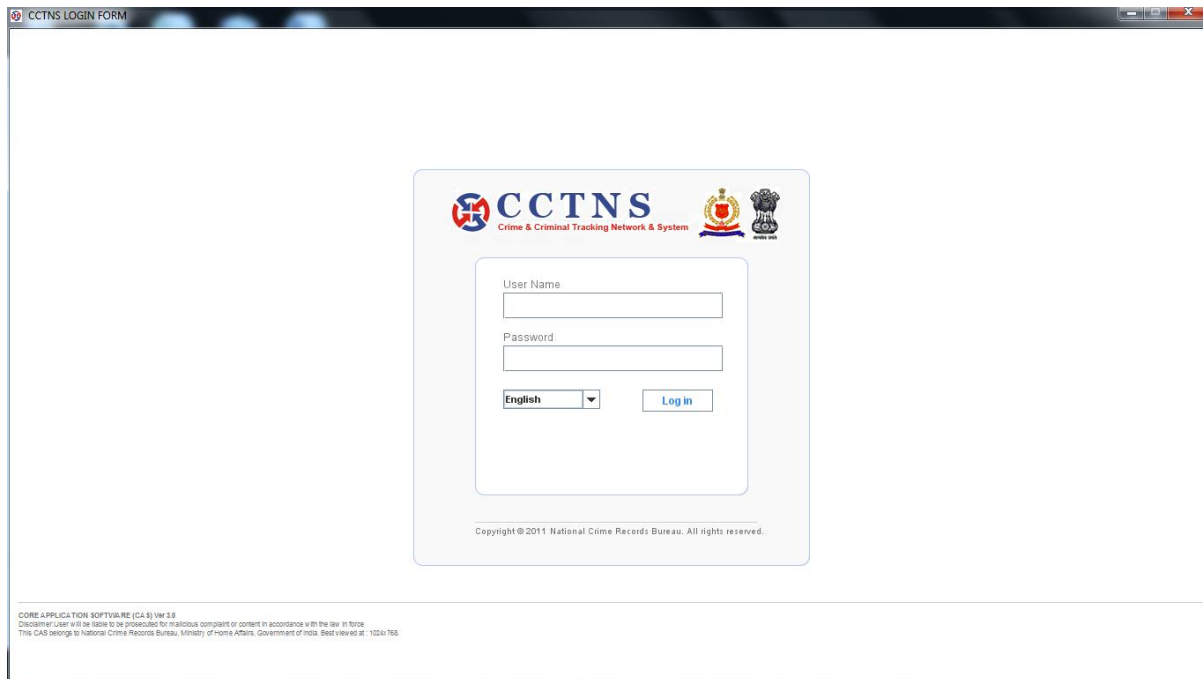
- a. Go to location **C:\CCTNSClientApplication**
- b. Right click on **CreateShortcut.bat** and click **Run as administrator**



- c. Following window would appear, and shortcut would be created.



Step10) Please double click on the CCTNS icon, user will be provided with the applications login screen as shown below.



Step11) If you are unable to login to the application, and the message given is “unable to connect with database”. Please check the database connectivity whether you are able to ping the DB server or not. If you are able to ping the server. Please check while installing the Mysql server had you given the remote access check box is selected or not.

Step12) Check the MySql Service is running or not in your server machine.