

System Requirements

Hardware Requirements :-

- Processor :- Intel Core i3 CPU @2.10GHz or above
- RAM :- 2GB or above
- Hard Disk :- Minimum 1GB
- CD Drive

Software Requirements :-

- Operating System :- Windows 7 or higher
- Database Management System :- Oracle 10g or higher
- Netbeans IDE (Complete Package)
- Java Database Connectivity (JDBC) Driver

User Interfaces :-

- Front end :- Netbeans IDE
- Back end :- Oracle 10g

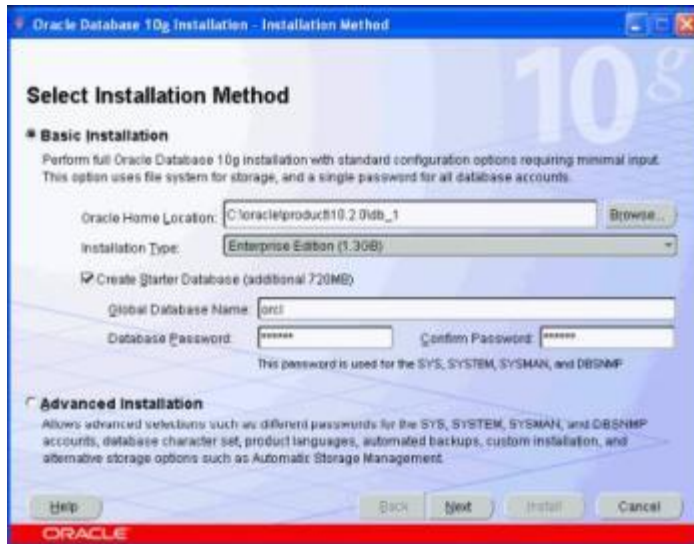
After all the above hardware requirements are met, download all the software's that are listed above in software requirement.

Now, install all the software's in the following order :-

- 1) Oracle 10g or higher
- 2) Netbeans IDE

The steps to install Oracle 10g or higher are listed below :-

1. Insert Oracle CD , the autorun window opens automatically. If you are installing from network or hard disk, click setup.exe in the installation folder.
2. The Oracle Universal Installer (OUI) will run and display the Select Installation MethodWindow.

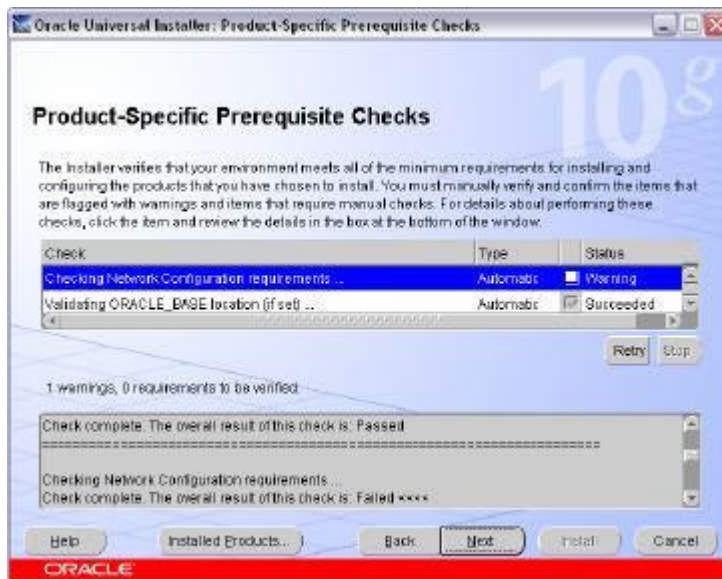


3. Choose **Basic Installation:**
 Select this option to quickly install Oracle Database 10g. This method requires minimal user input. It installs the software and optionally creates a general-purpose database based on the information you provide.
 For basic installation, you specify the following:
 Oracle Home Location — Enter the directory in which to install the Oracle Database 10g software. You must specify a new Oracle home directory for each new installation of Oracle Database 10g. Use the default value, which is :

c:\oracle\product\10.2.0\db_1

Installation Type — Select **Enterprise Edition :**
 If you have limited space, select standard edition. Personal edition installs the same software as the Enterprise Edition, but supports only a single-user development and deployment environment.
 Create Starter Database — Check this box to create a database during installation. Oracle recommends that you create a starter database for first Create Starter Database — time installations. Choose a Global Database Name, like cs157b, or just use the default value.
 Type a password. Don't lose this password, since you will need it to connect to the database server.
 Click next

4. The Product-Specific Prerequisite Checks window appears: Click next



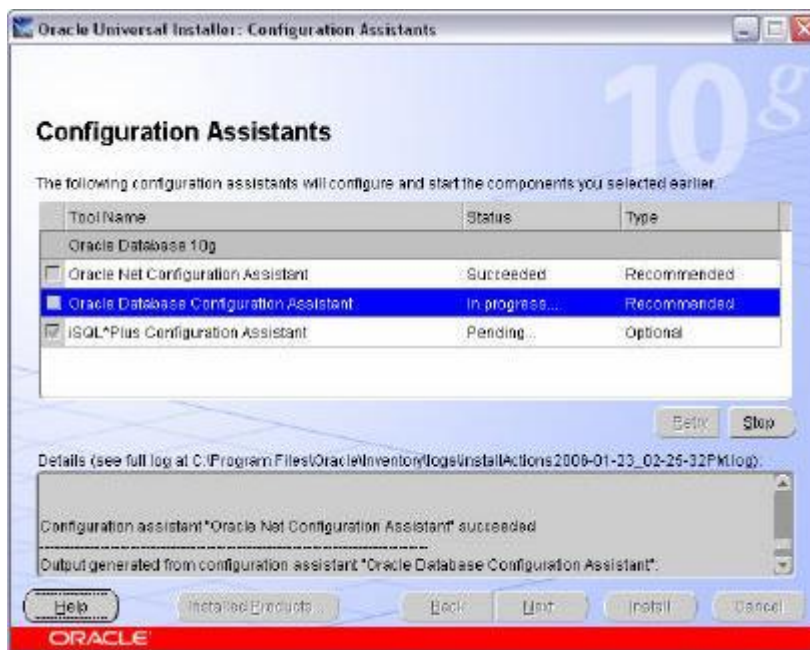
5. A summary screen appears showing information such as your global settings, space requirements and the new products to be installed. Click Install to start the installation..

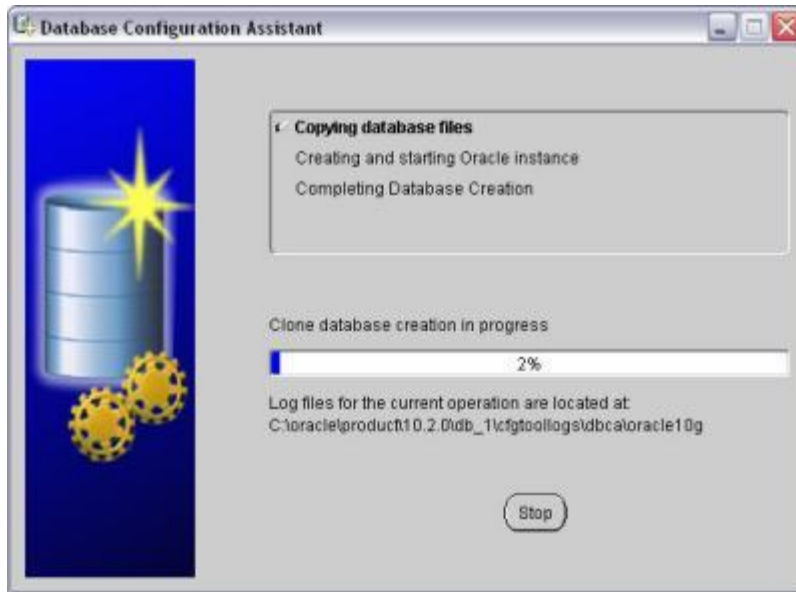


6. The Install window appears showing installation progress.



7. At the end of the installation phase, the Configuration Assistants window appears. This window lists the configuration assistants that are started automatically. If you are creating a database, then the Database Configuration Assistant starts automatically in a separate window.





At the end of database creation, you are prompted to unlock user accounts to make the accounts accessible. The SYS and SYSTEM accounts are already unlocked. Click OK to bypass password management.



Note: Oracle 10g still keeps scott / tiger username and password (UID=scott, PWD=tiger) from the old version of oracle. In the old version of oracle, scott/tiger user ID is available by default, but not in oracle 10g. If you want to use scott /tiger account, you must unlock it by clicking “Password Management” at the last window. Password Management window will appear like the one shown below. Find the user name “Scott” and uncheck the “Lock Account?” column for the user name.

8. Your installation and database creation is now complete. The End of Installation window displays several important URLs, one of which is for Enterprise Manager.



9. You can navigate to this URL in your browser and log in as the SYS user with the associated password, and connect as SYSDBA. You use Enterprise Manager to perform common database administration tasks
- Note : you can access Oracle Enterprise Manager using browser by typing the URL shown above in your browser. Instead of typing the IP address, you can also access the Enterprise Manager by typing `http://localhost:1158/em` or `"http://[yourComputerName]:1158/em"` or by clicking "Start >> All Programs >> Oracle – [YourOracleHome_home1] >> Database Control – [yourOracleID]" in Windows menu. By default, use user ID "SYSTEM", with the password that you have chosen at the beginning of installation, to connect to database, SQLPlus, etc. If you want to use other user ID, you may create a new user .

After Oracle 10g is installed, create the database that is attached in the file named "dbms".

Now, The steps to install Netbeans ide are listed below :-

- 1) Install JDK :- To use NetBeans for Java programming, you need to first install Java Development Kit (JDK). See "JDK - How to Install".
- 2) Download :- Download "NetBeans IDE" installer from <http://netbeans.org/downloads/index.html>. There are many "bundles" available. For beginners, choose the 1st entry "Java SE" (e.g., "netbeans-8.2-javase-windows.exe" 95MB).

3) Run the Installer :- Run the downloaded installer.

After Netbeans is installed import the “PMS” project from the CD, and then attach it to the database by just typing the username and password in all the forms connection part.

All the installation is complete, now clean and build your project and run the file to work on the system.