

GINESYS v 11.100.0

DATABASE INSTALLATION GUIDE

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TECHNICAL DOCUMENTER

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Introduction

The new GINESYS V 11.100.1 is an installation pack and not just an update. Therefore we need to understand the various scenarios and the types of installations that may be done with the new pack.

There may be these common scenarios:

1. Fresh installation on a fresh system.
2. Existing clients with V11 going for an installation of the new V 11.100.1 pack with an existing database.
3. Existing clients with V11 going for an installation of the new V 11.100.1 pack with a new database.

Minimum system requirement for using GINESYS

Component	Server Minimum	Workstation Minimum
Processor	Quad-core x64 architecture 2.8 GHz CPU	Dual-core x64 / x86 architecture 2.0 GHz CPU
Memory	8-GB RAM	4 GB RAM
Hard disk	200 GB or more of available hard disk space	50 GB or more available hard disk space
HDD count	Minimum 2 same capacity HDD	1 nos.
UPS	Online UPS with 30 minutes backup	Offline UPS with 15 minutes backup minimum
Operating System	Windows Server 2008 R2	Windows 7 (Service Pack 1)
Internet	2 mbps stable connection	Nil

Checks to be done for fresh installation on a fresh system:

Check for the OS

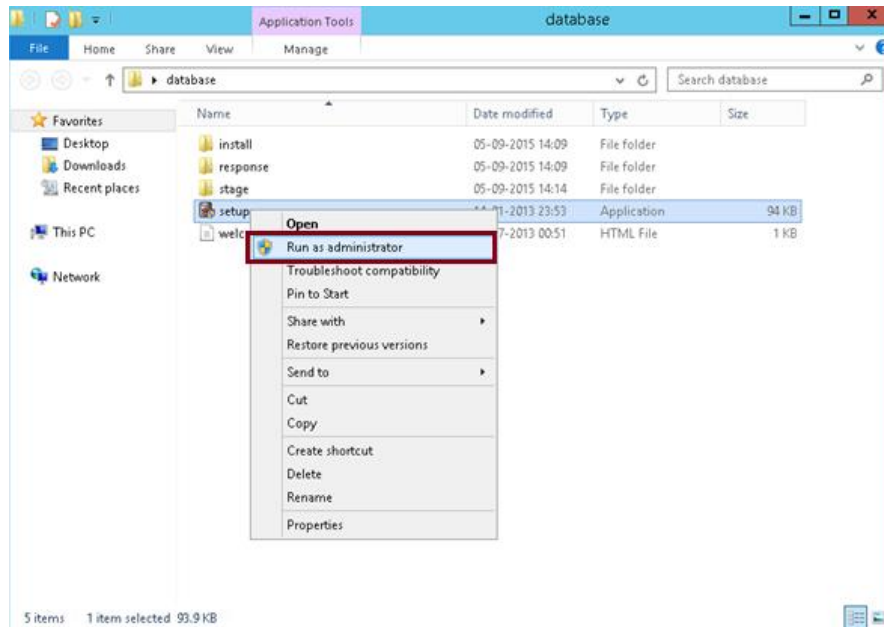
- a. We support only the following WINDOWS OS in HO server for V11.100.1
 - i. WIN 7
 - ii. WIN 8.1
 - iii. WIN 2008 R2
 - iv. WIN 2012 R2
 - v. WIN 10
- b. We support only the following LINUX OS in HO server for V11.100.1
 - i. Oracle Linux 7 and Red Hat Enterprise Linux 7 Distributions for x86-64
 - ii. Oracle Linux 6 and Red Hat Enterprise Linux 6 Distributions for x86-64
 - iii. Oracle Linux 5 and Red Hat Enterprise Linux 5 Distributions for x86-64

Install Database Oracle 12c

Adopt the following steps for that:

Log on to your computer as a member of the administrative group that is authorized to install Oracle Database software and create a database.

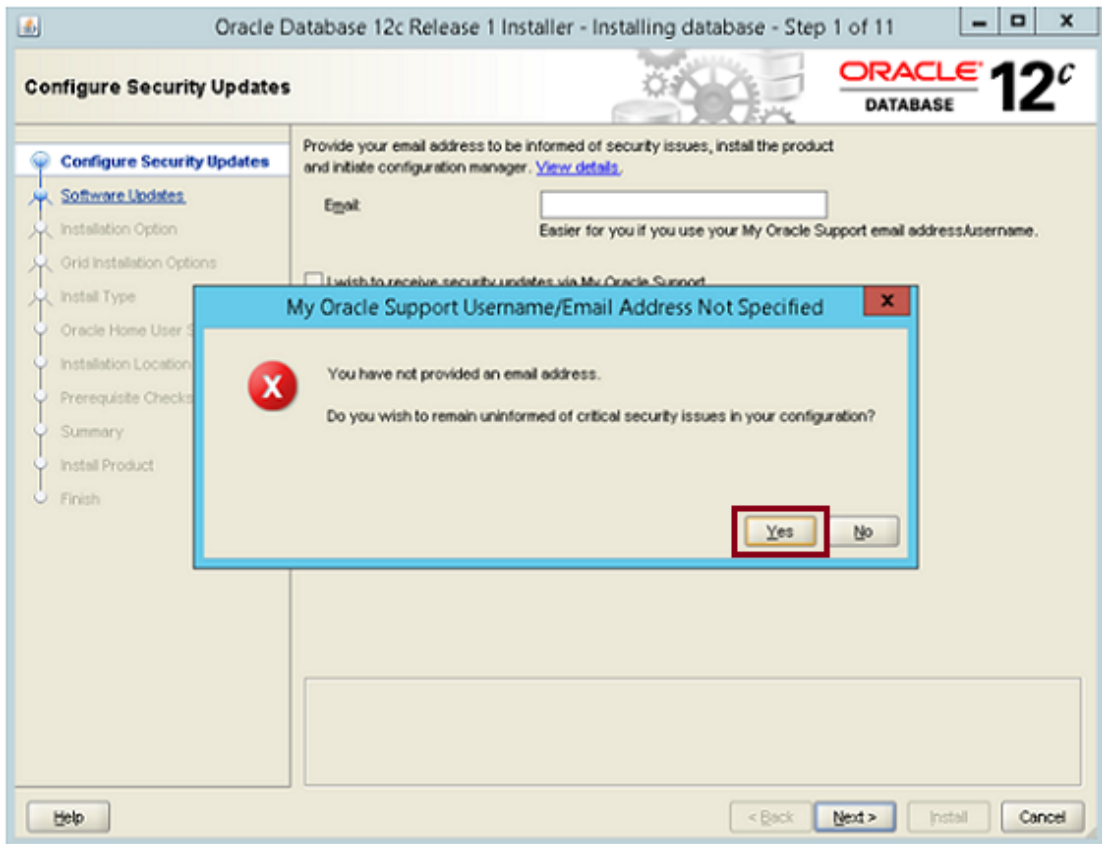
Right click on **setup.exe** and “**Run as administrator**”



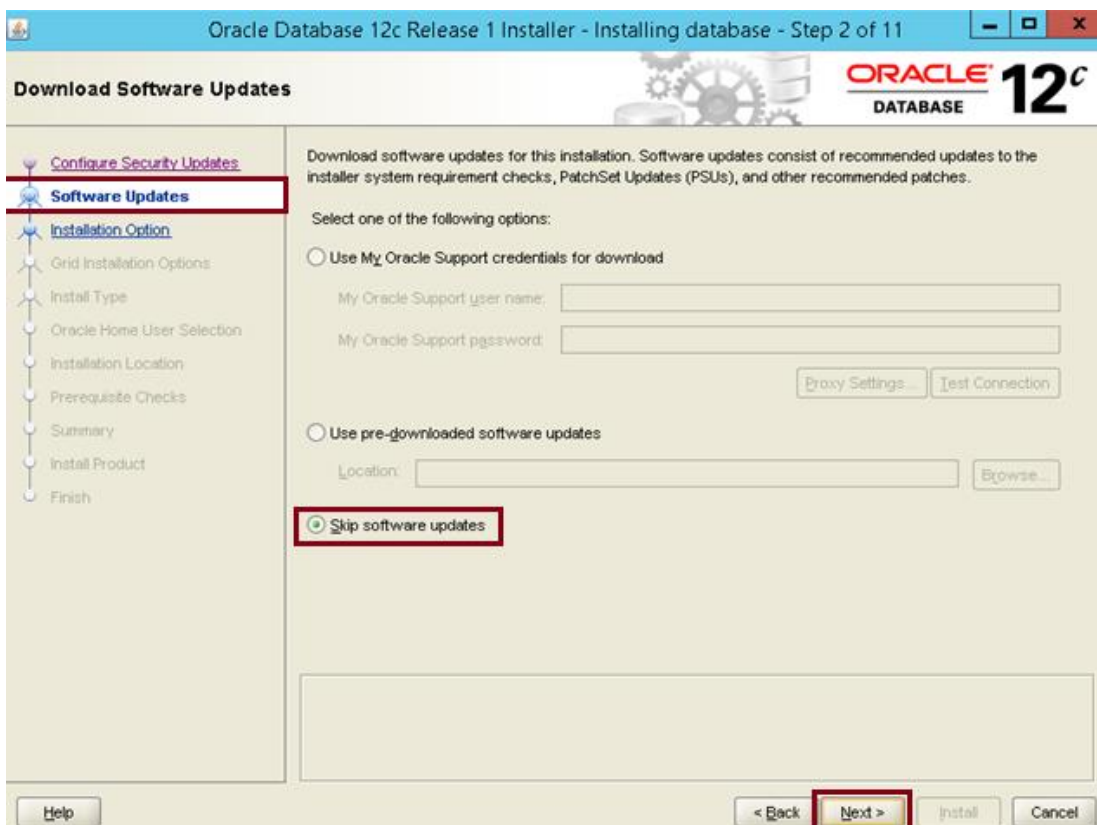
The **Configure Security Updates** window appears. Deselect "I wish to receive security updates via My Oracle Support". Click **Next** to continue.



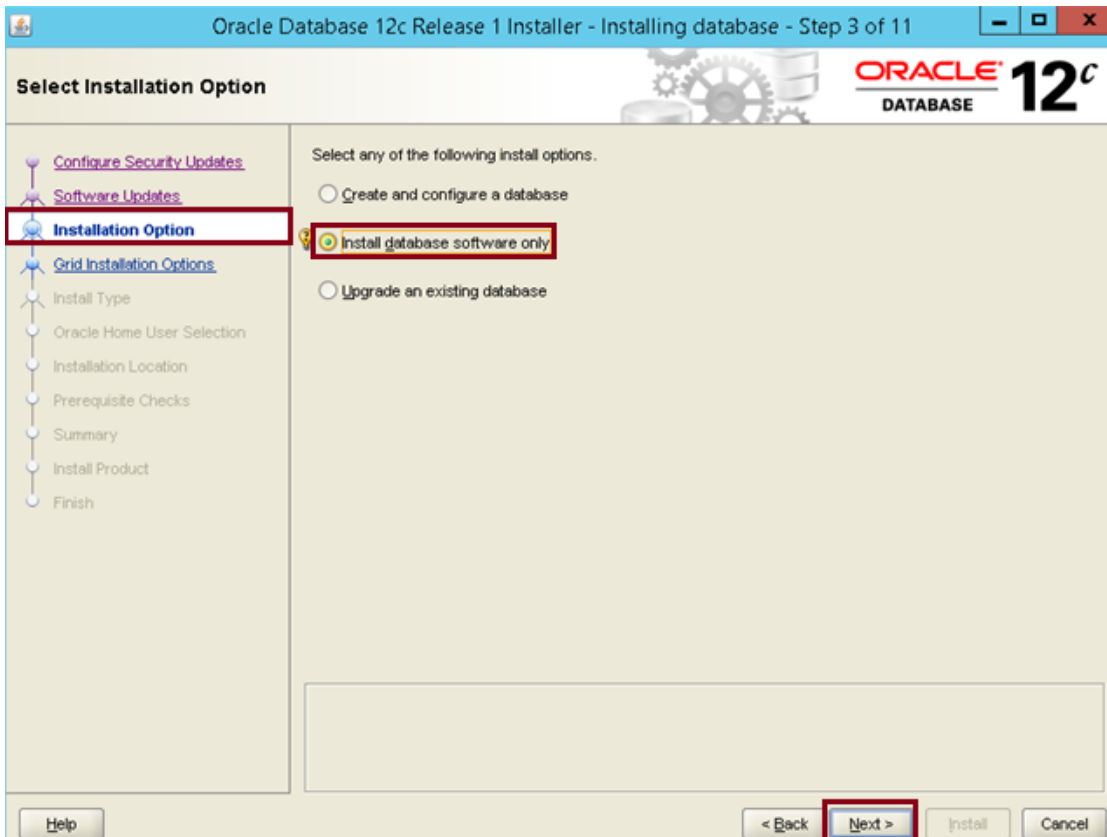
Click "Yes" in the confirmation window.



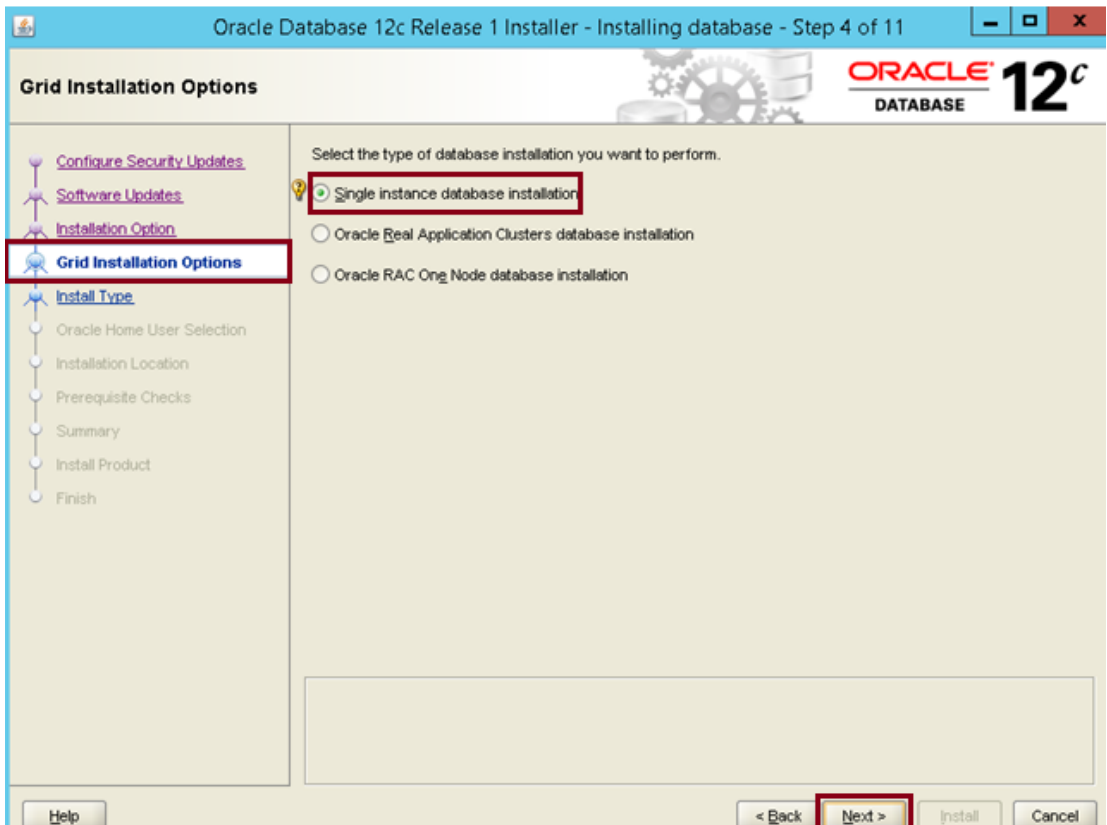
Select "Skip software updates". Click Next to continue.



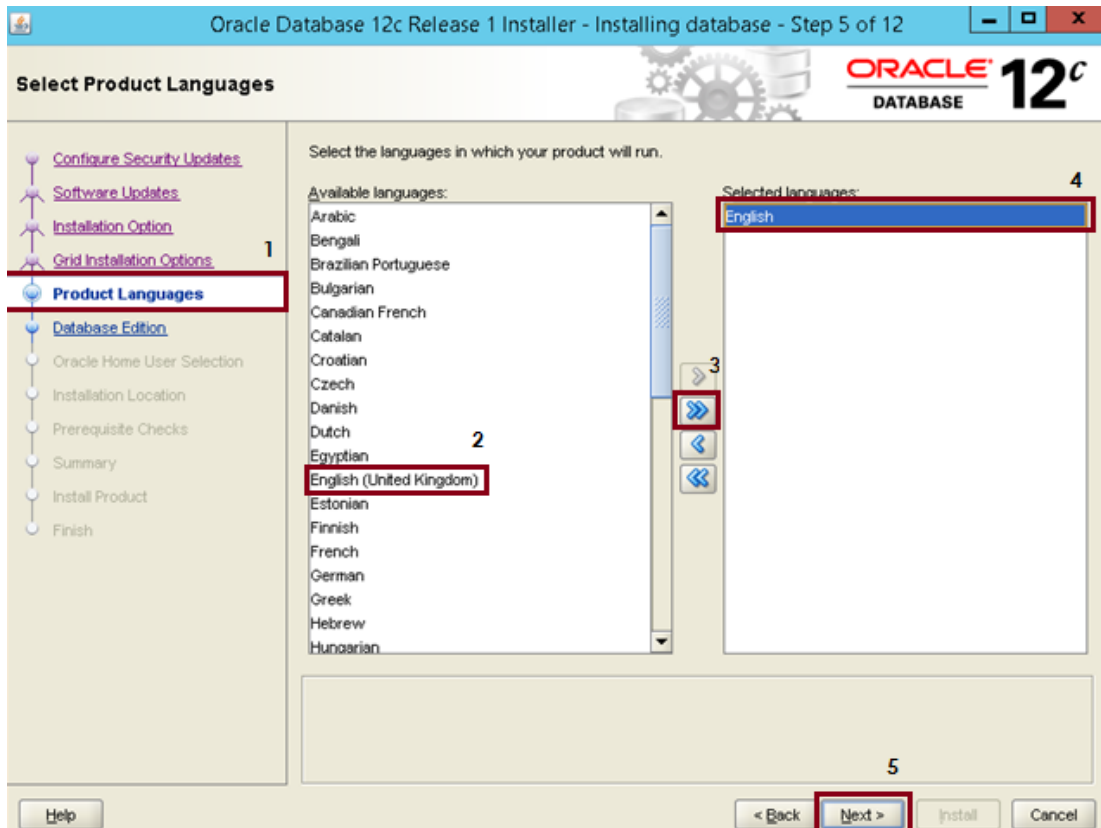
Select “Install database software only” and click on the **Next** button.



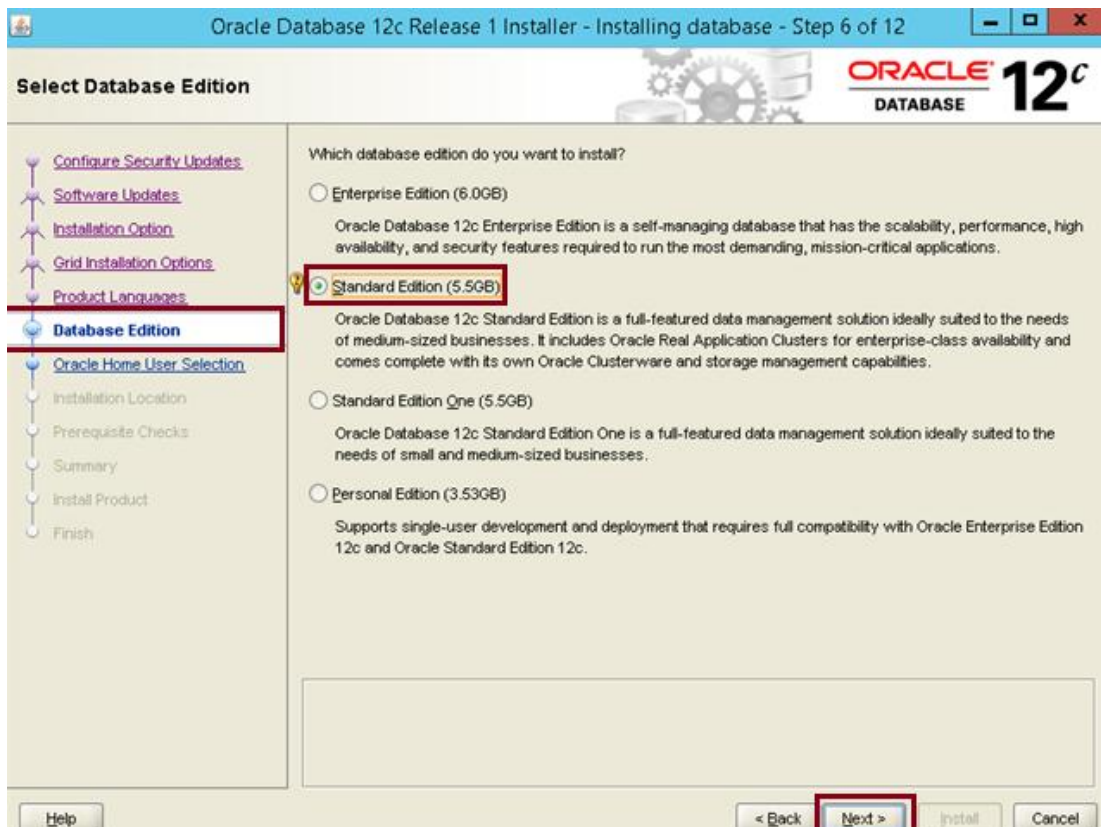
Select “Single instance database installation” and click on the **Next** button.



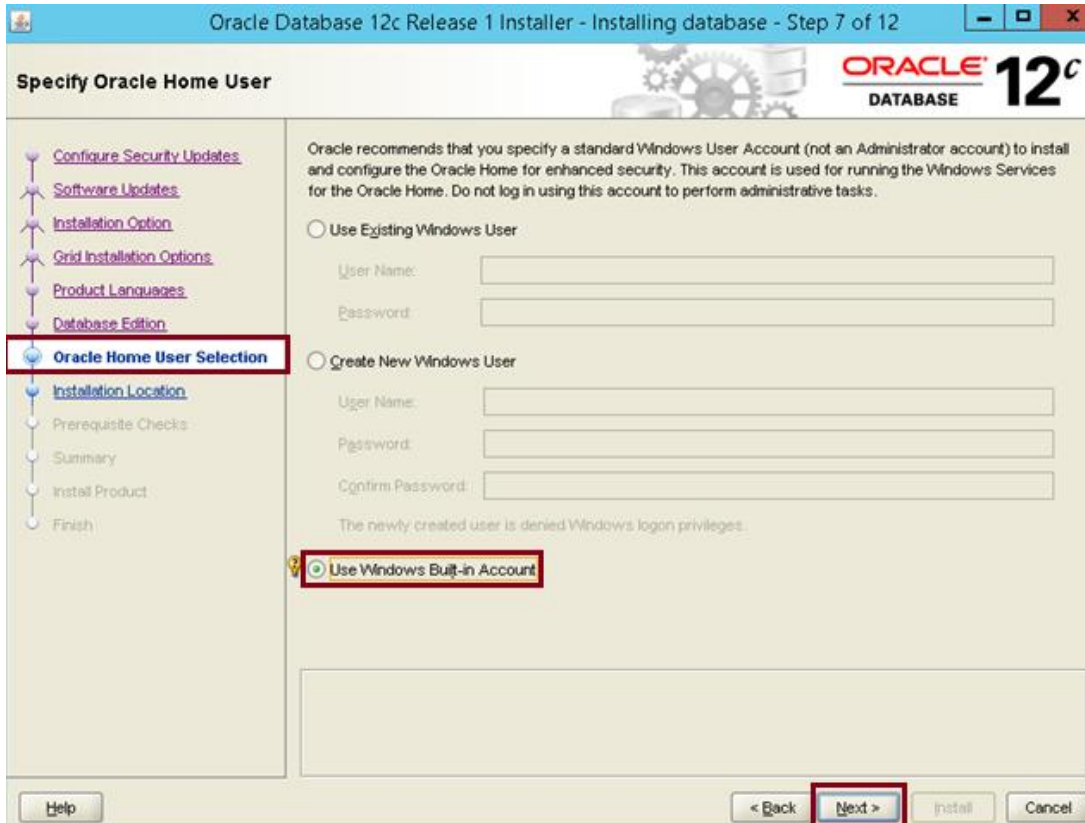
Check if **“English”** is selected and click the **Next** button. If not selected by default, follow the numbered steps to select it.



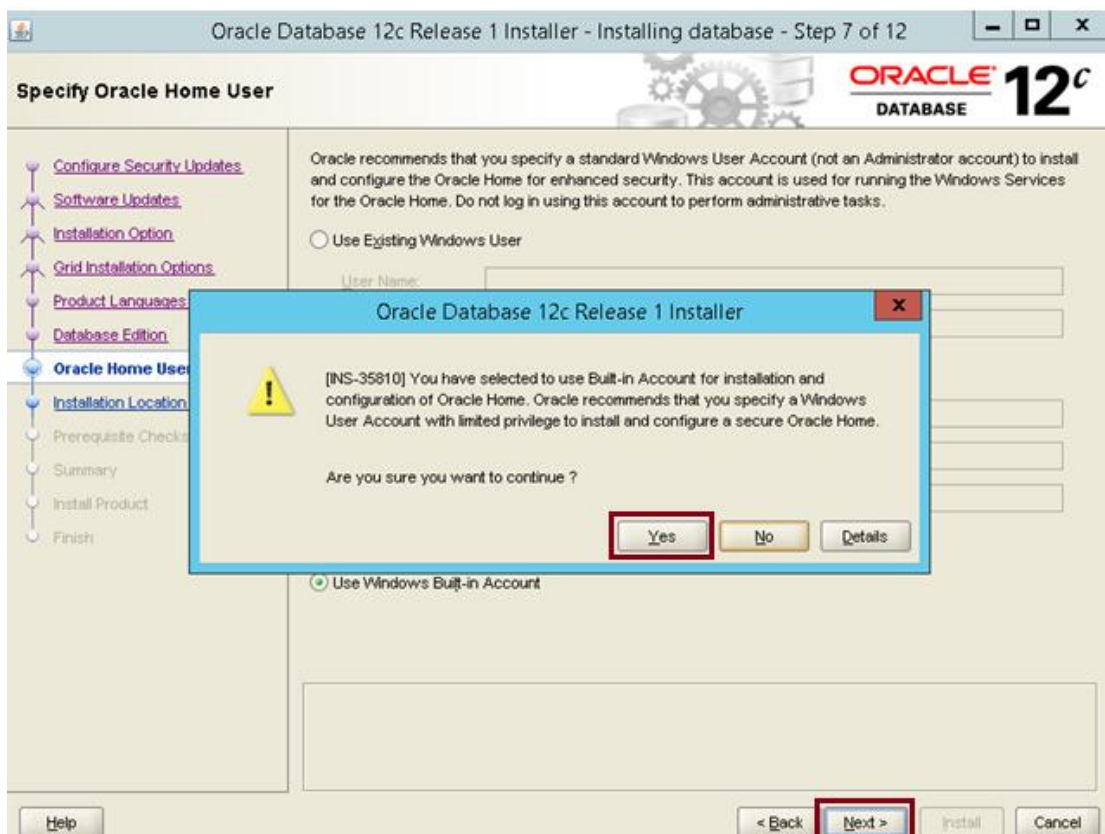
Select **“Standard Edition”** and click **Next**.



Select “Use Windows Built-in Account” and click **Next**.



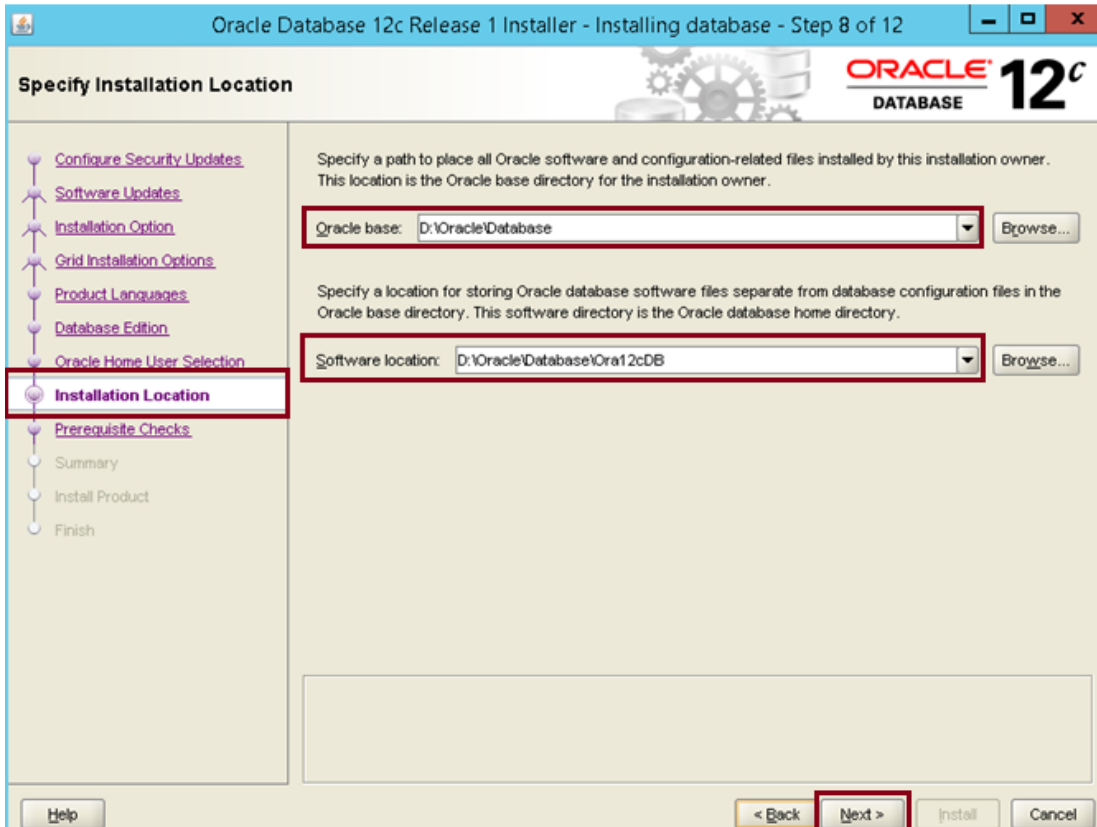
Click “Yes” in the **Oracle Database 12c Release 1 Installer**.
Note by default “No” is highlighted.



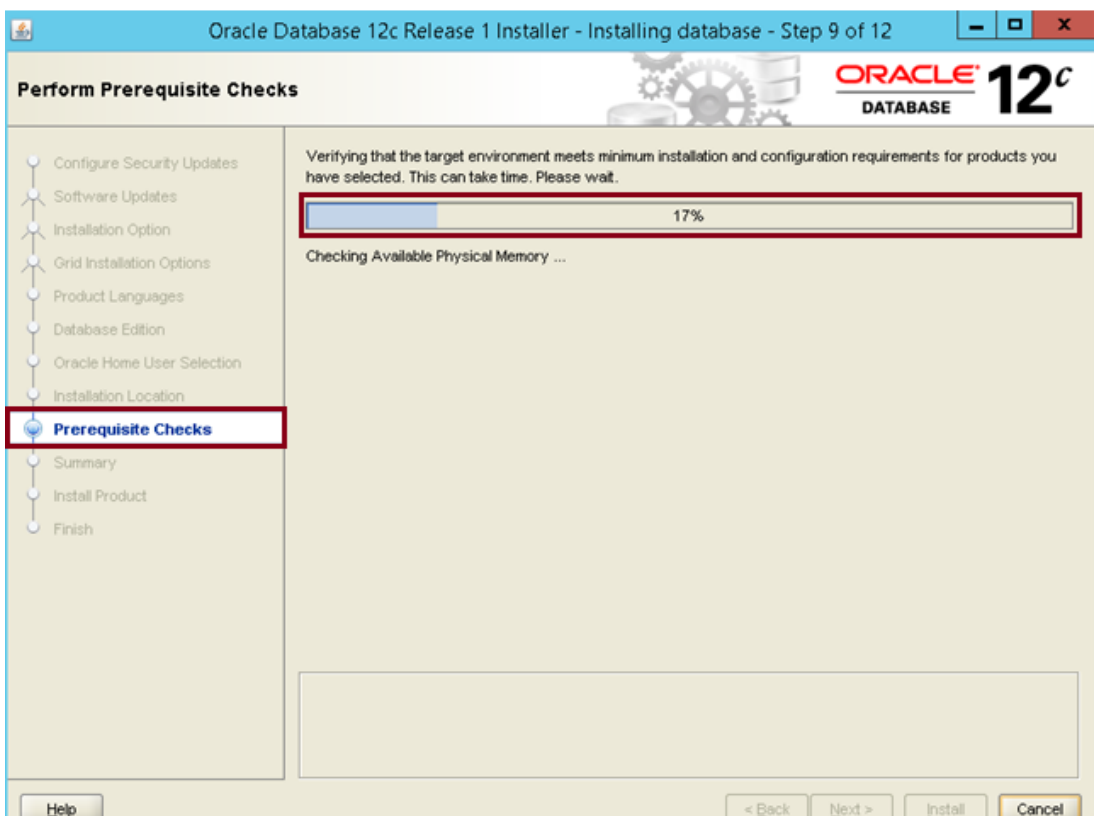
i.

Select **Oracle base** as 'D:\Oracle\Database' and **Software location** as 'D:\Oracle\Database\Ora12cDB' . Click **Next**.

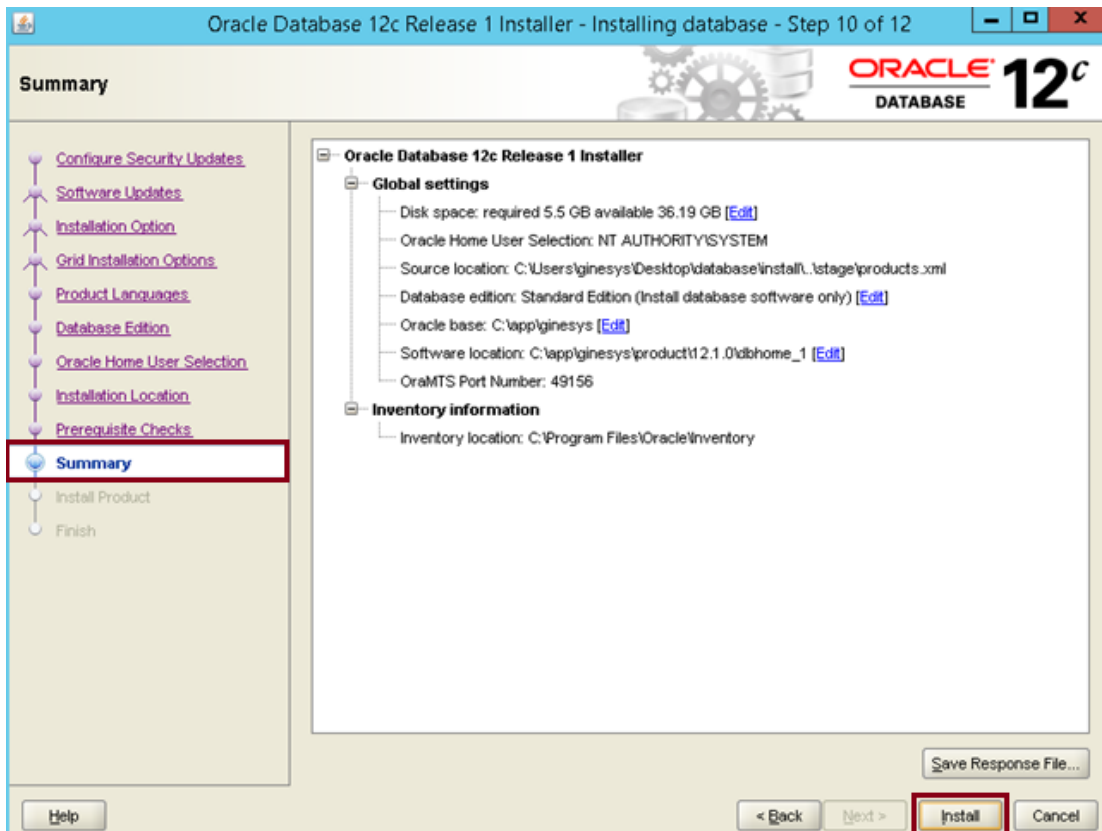
Note: The Oracle base is also the place where you would need to place the GINESYS Database template. D:\Oracle\Database\assistants\dbca\templates



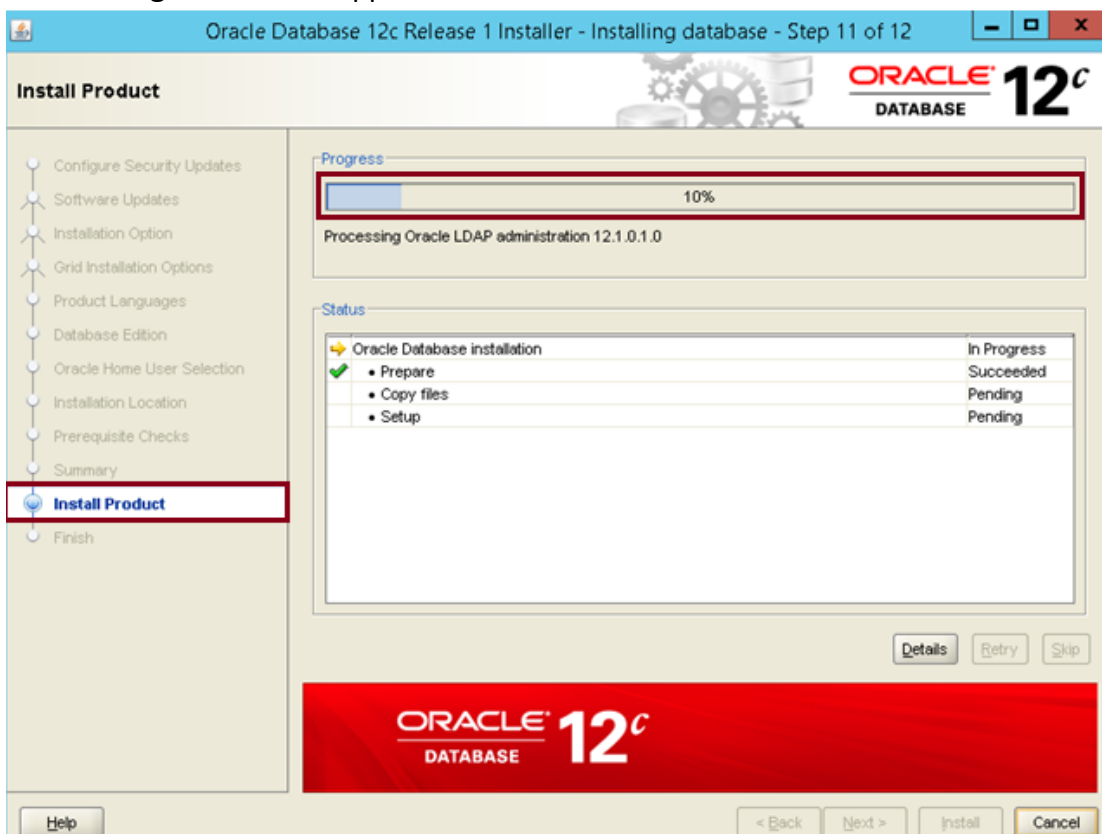
The **Prerequisite Checks** window appears.



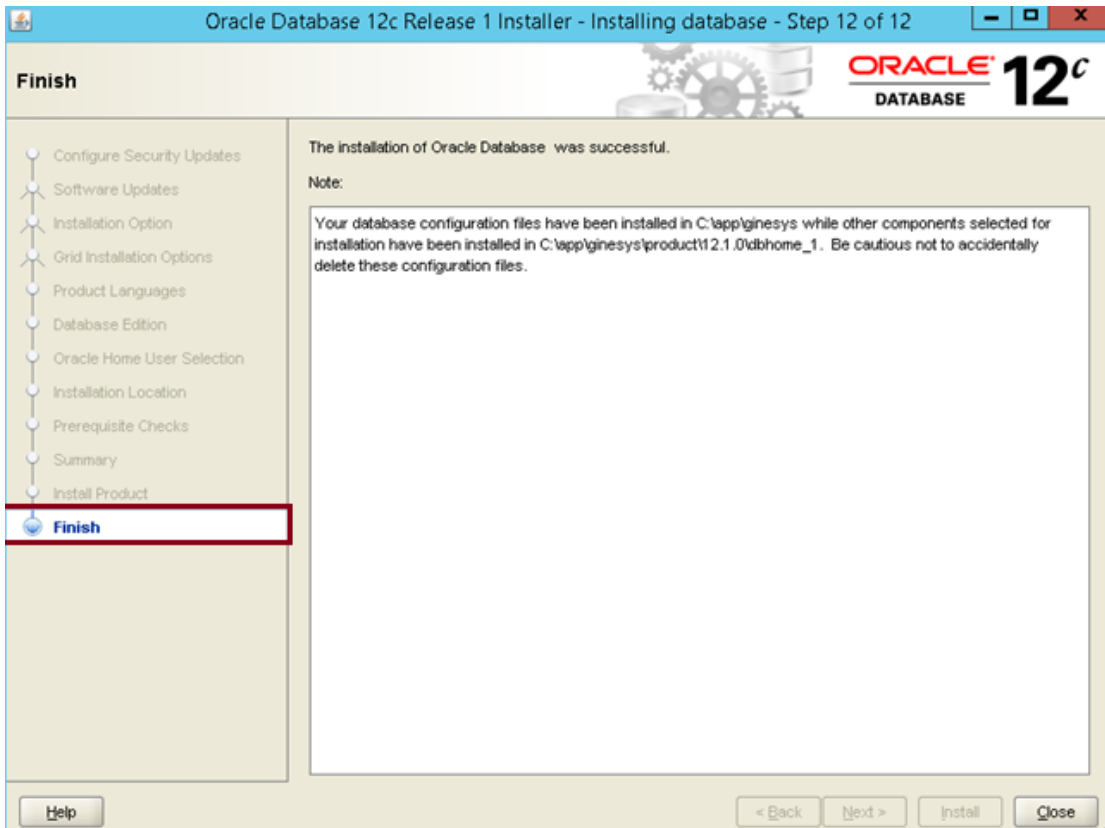
The prerequisite checks are performed and a **Summary** window appears. Review the settings and click **Install**.



The **Progress** window appears.

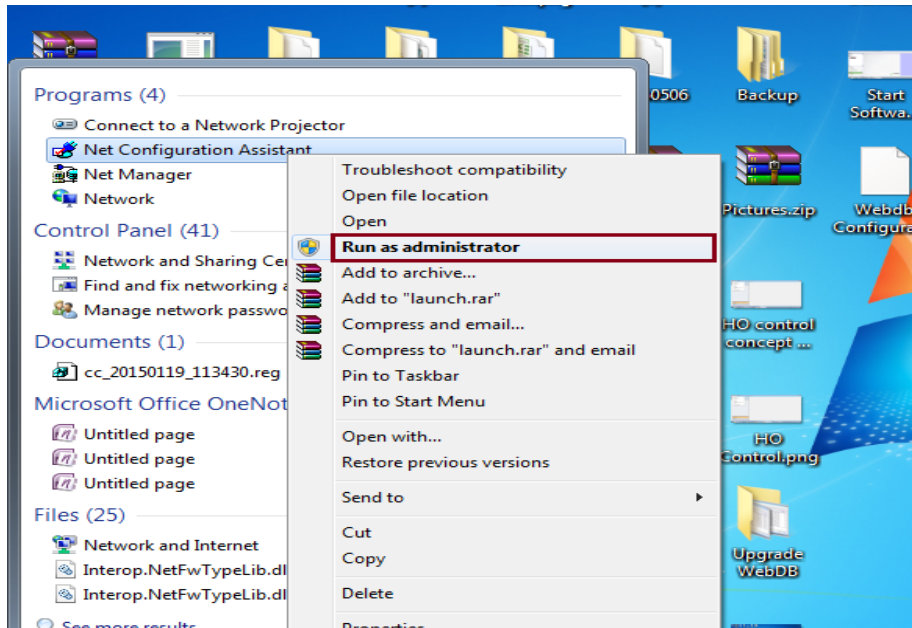


The **Finish** window appears indicating the installation of Oracle Database software and creation of the database was successful. Click **Close** to exit the Oracle Universal Installer.

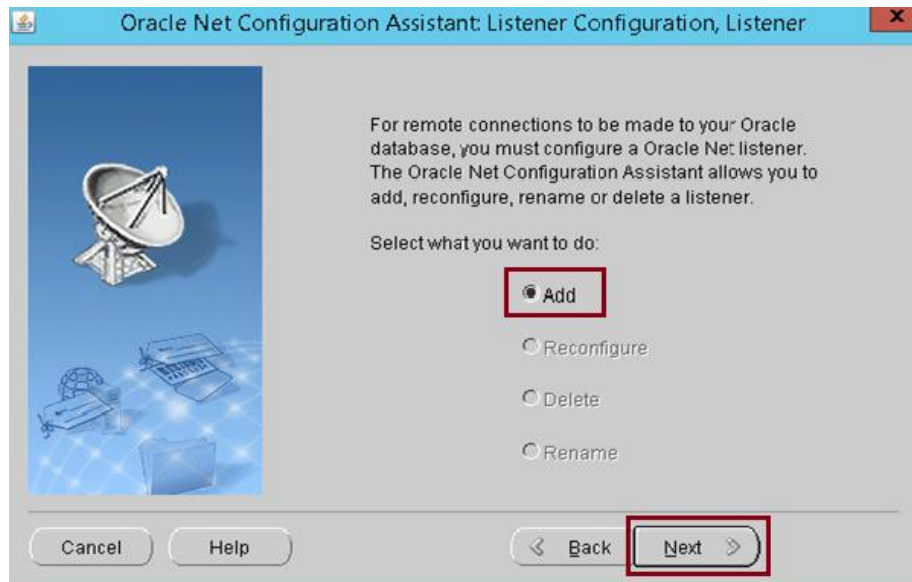


Create listener using Net Configuration Assistant

Right click on **Net Configuration Assistant** and “**Run as administrator**”.



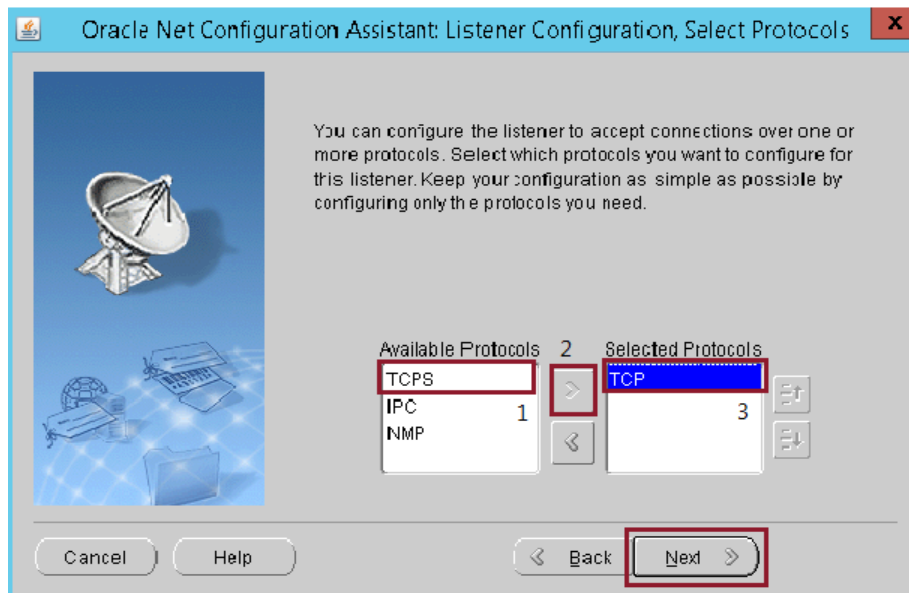
Select “**Add**” as what you want to do. Click **Next**.



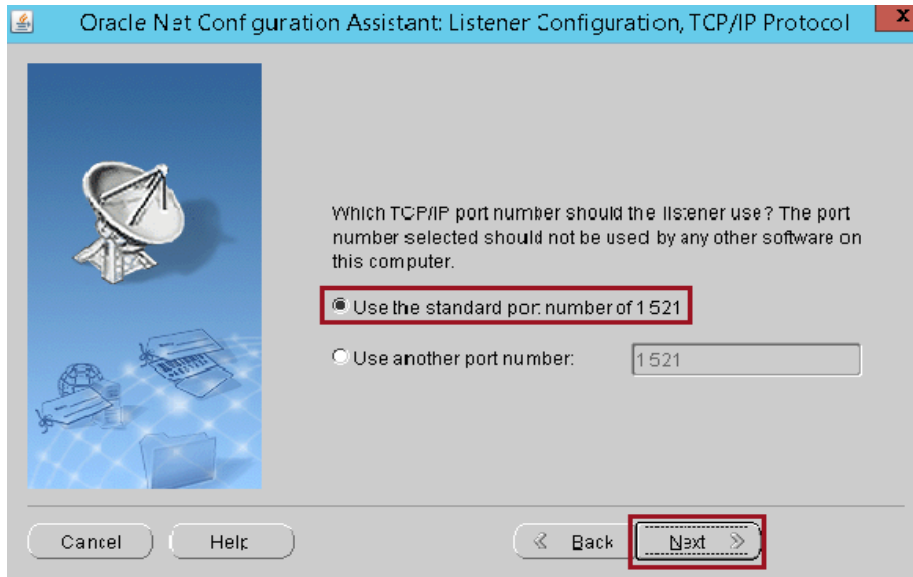
Give **LISTENER** as the **Listener name**. Click **Next**



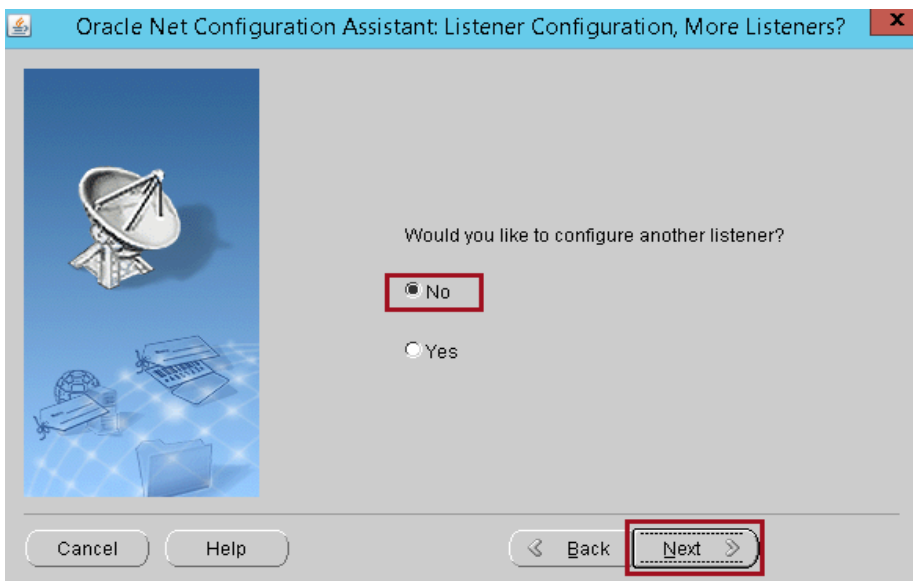
Ensure you have chosen **TCPS** in **Available Protocols (1)**, clicked on '>' **(2)**, **Selected Protocols (3)**. Then click the **Next** button.



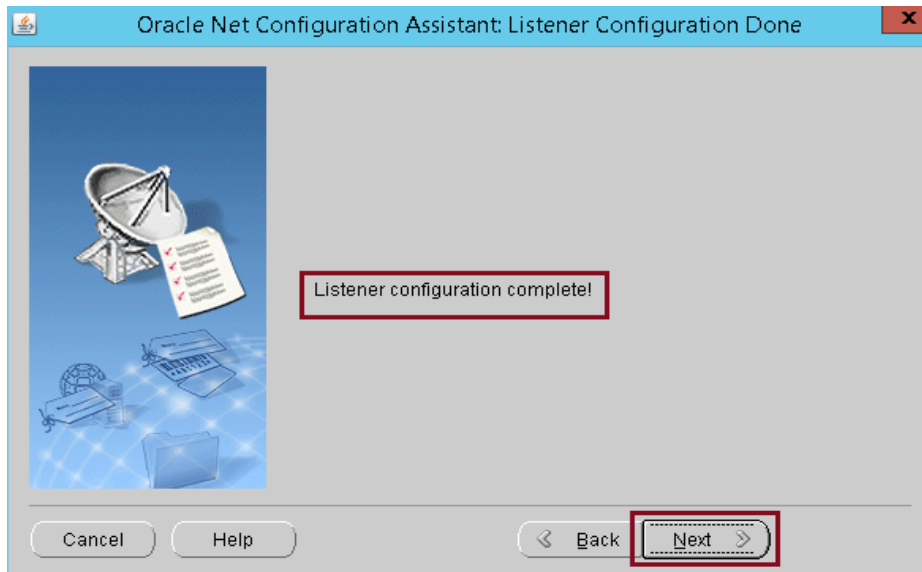
Choose **the standard port number of 1521**. Click **Next**.



Choose **No**, when prompted for configuring another listener. Click **Next**.



The **Listener configuration complete** window appears. Click **Next**.



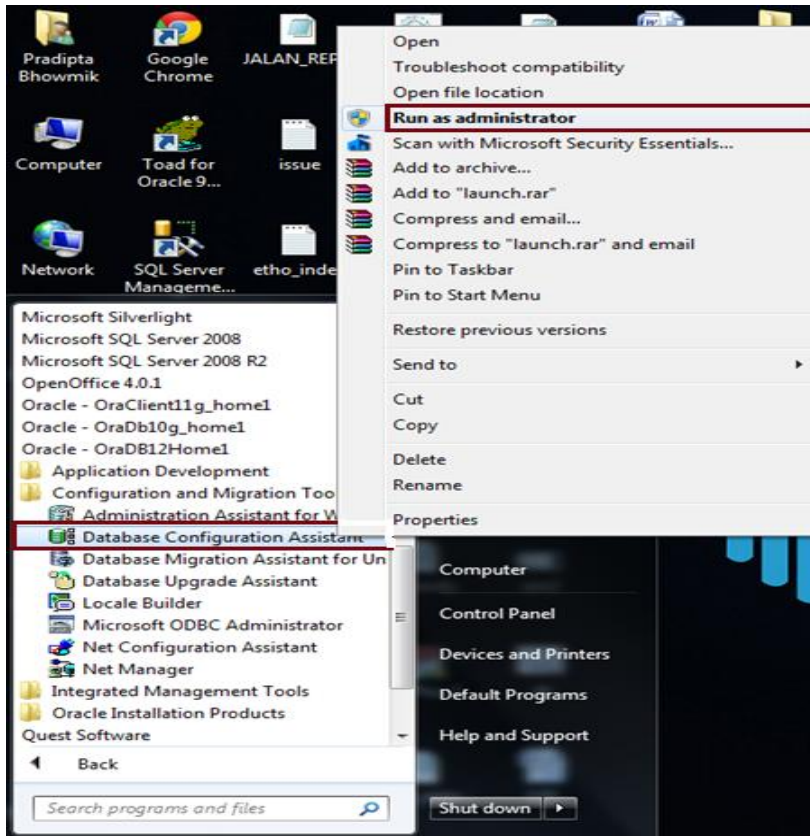
Click **Finish**.



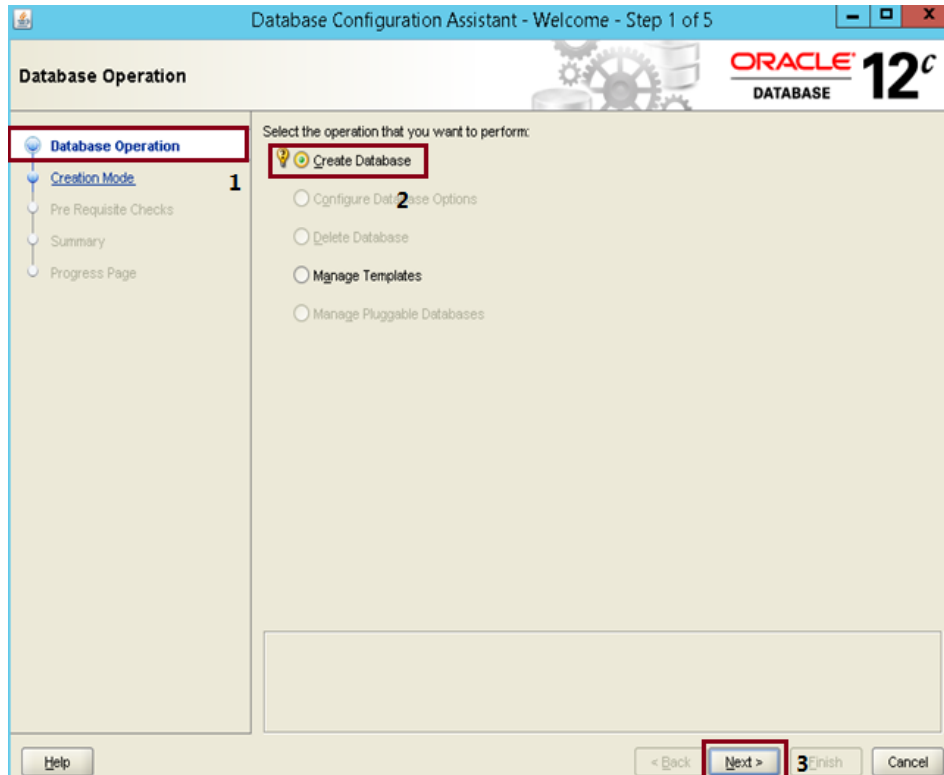
Create database using Database Configuration Assistant with GINESYS template

To create database using GINESYS template you need to first copy the GINESYS template from supplied installation media ('Drive:\database\custom') to "{ORACLE_HOME} \assistants\dbca\templates" (If database software installation guide was followed during installation the ORACLE_HOME would be 'D:\Oracle\Database\Ora12cDB').

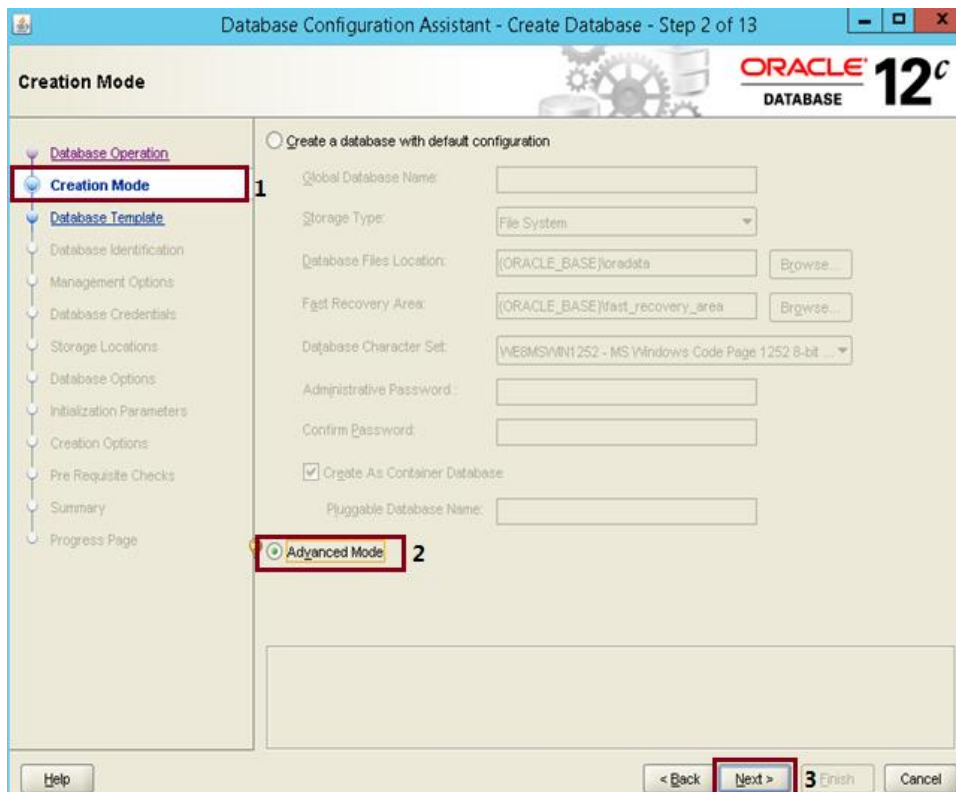
Right click on **Database configuration assistant** and "Run as administrator".



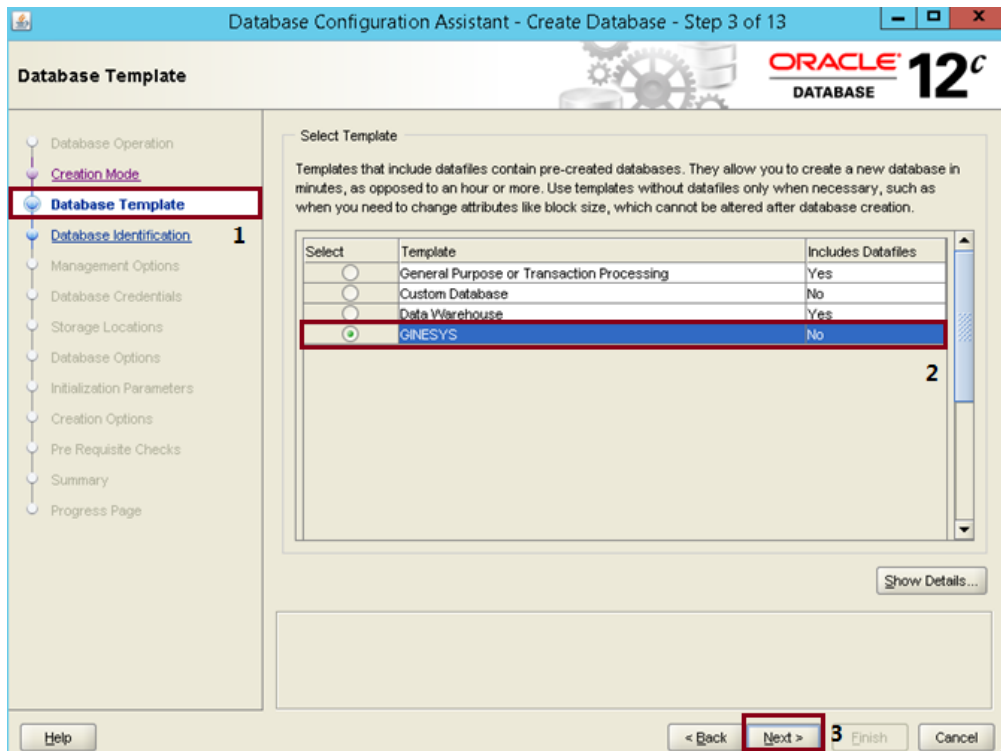
The **Database Operation** window appears (1).
Choose **Create Database** (2) and click **Next** (3).



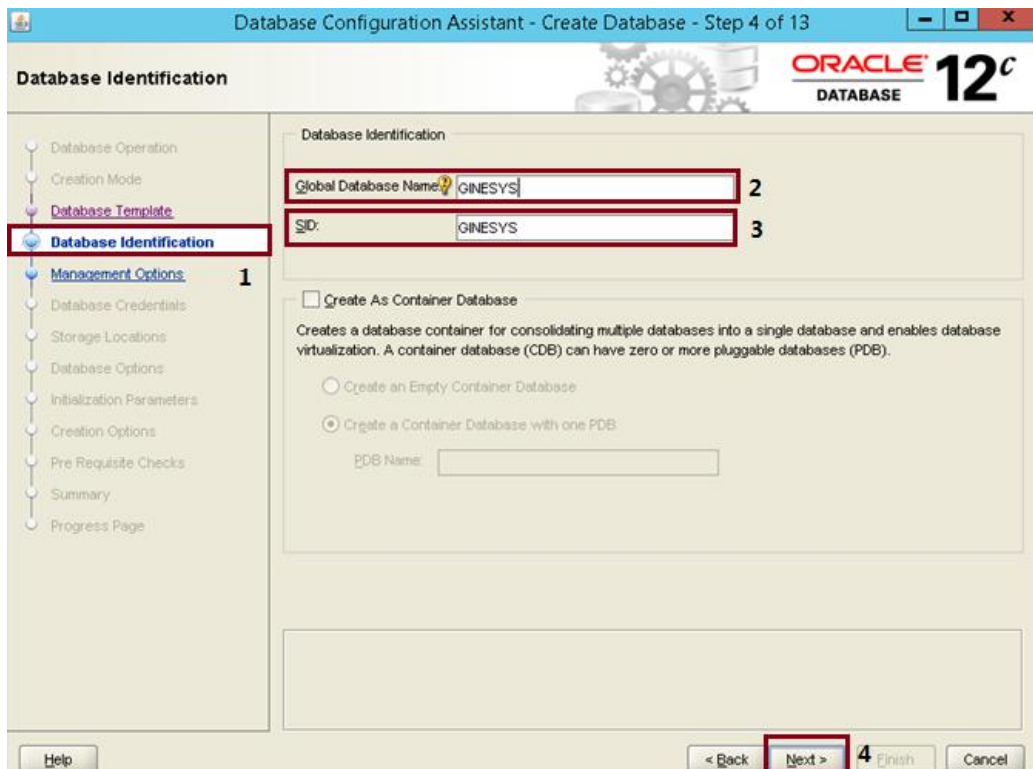
In the **Creation Mode** (1), Select **Advanced Mode** (2) and then click on **Next** (3).



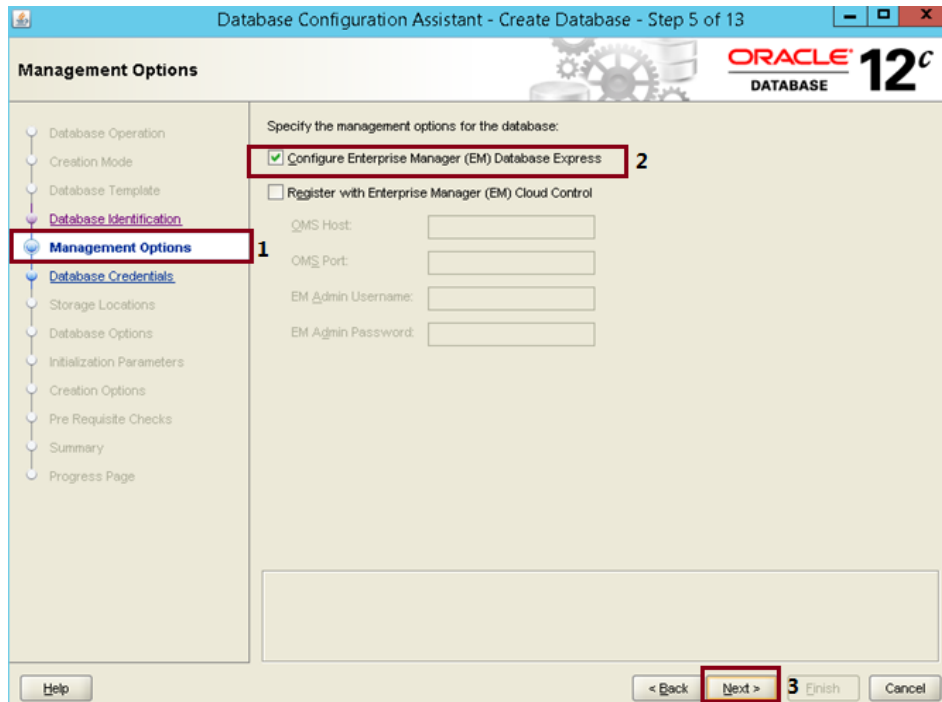
In **Database Template (1)**, Select template **GINESYS (2)** and then click on **Next (3)**.



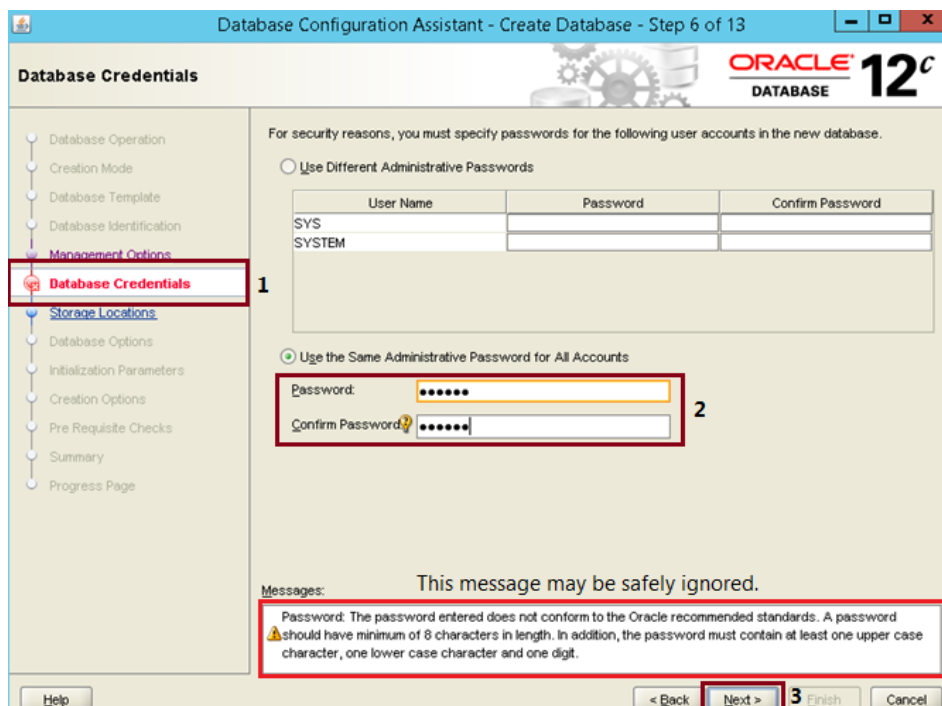
In the **Database Identification (1)** page, Specify **Global Database Name (2)** as **GINESYS** and the **SID (3)** will automatically be assigned the value **GINESYS**, then you can click on **Next (4)**.



Then the **Management Options** (1) page comes up. Here ensure that the **'Configure Enterprise Manager (EM) Database Express'** (2) is selected by default and click on **Next** (3).



Now you need to set the **Database Credentials** (1). Select **Use the Same Administrative Password for All Accounts** option and enter the **mandatory** password as **SYSPWD** (2) (Password to be entered in Upper case as it is case sensitive Oracle 12c). You can safely ignore the message which says that the password does not conform to the Oracle standards. Now click on **Next** (3).



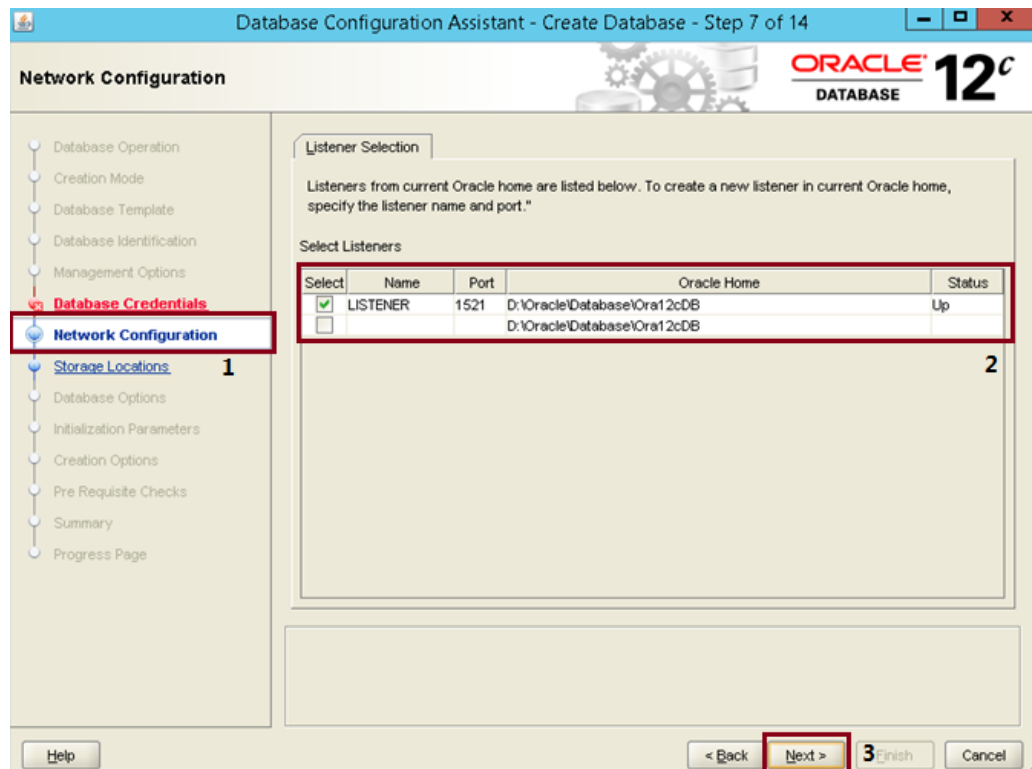
The **Network Configuration (1)** page will have the Listener selected by default.

Ensure that the **Port** is **1521**.

The **Oracle Home** must be **D:\Oracle\Database\Ora12cDB**.

The **Status** must be marked '**Up**'. (2)

Now click on **Next (3)**.



Now the **Storage Locations (1)** window appears.

Select **Use Common Location for All Database Files. (2)**

Ensure that the value in **Database File Locations** is **(ORACLE_BASE)\oradata. (3)**

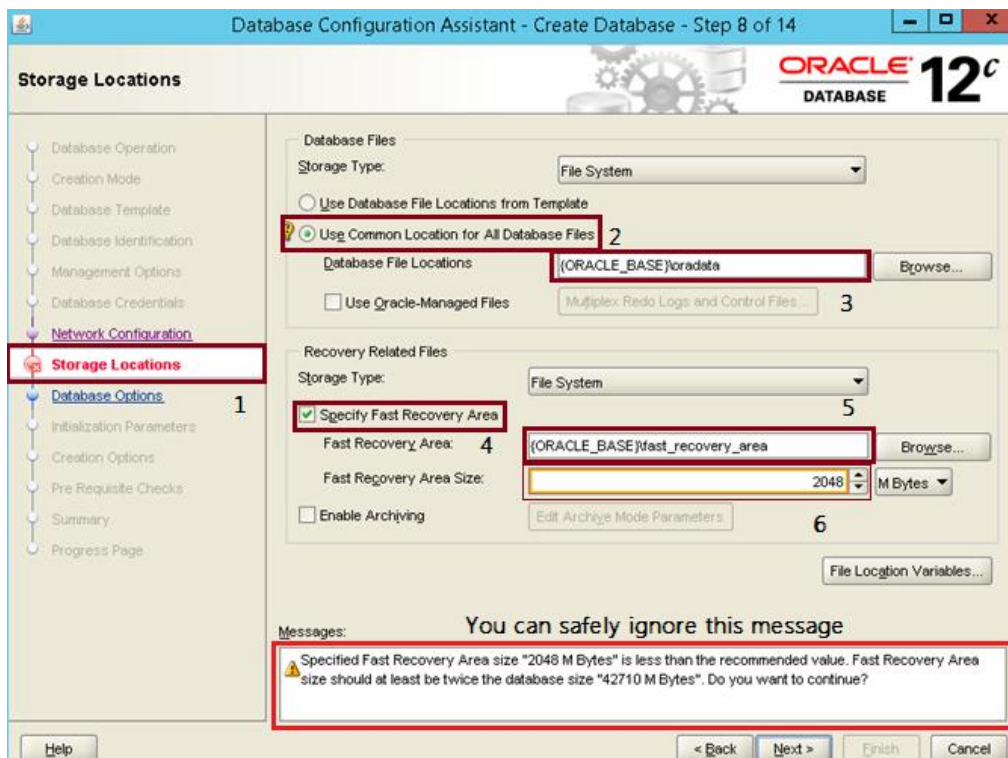
(3)

Specify Fast Recovery Area is checked. **(4)**

The **Fast Recovery Area** must be **(ORACLE_BASE)\fast_recovery_area. (5)**

Fast Recovery Area Size must be **2048 M Bytes. (6)**

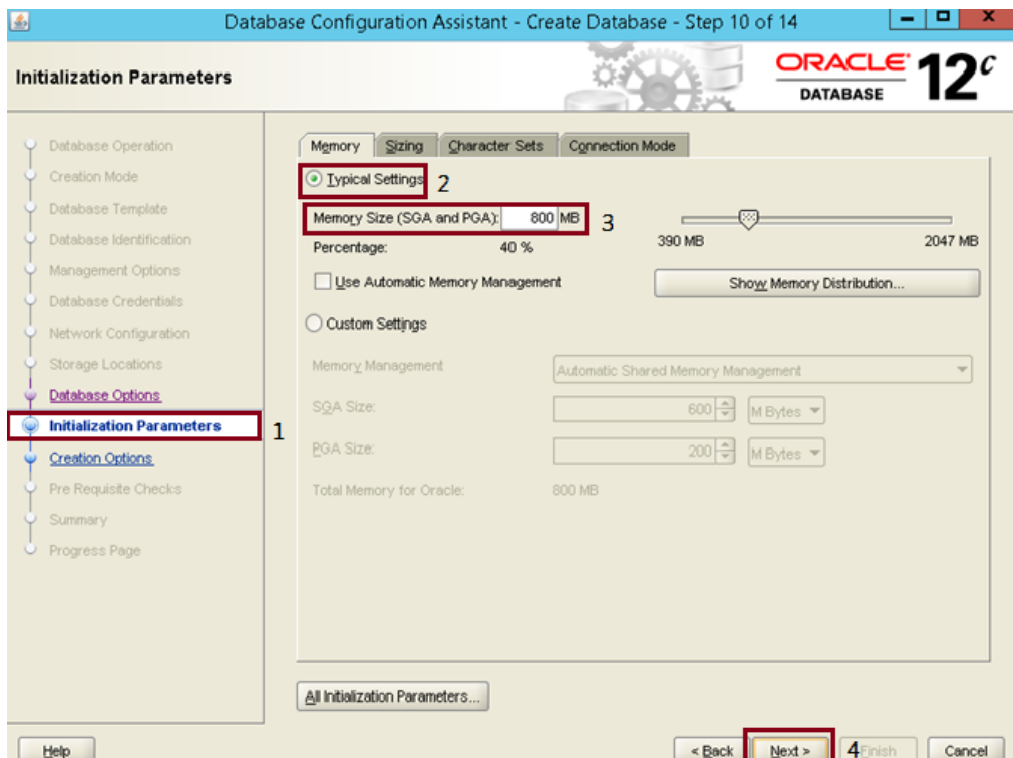
Now you can click on **Next**.



In the **Database Options** (1), do not choose any of the options. Just click on **Next** (2).

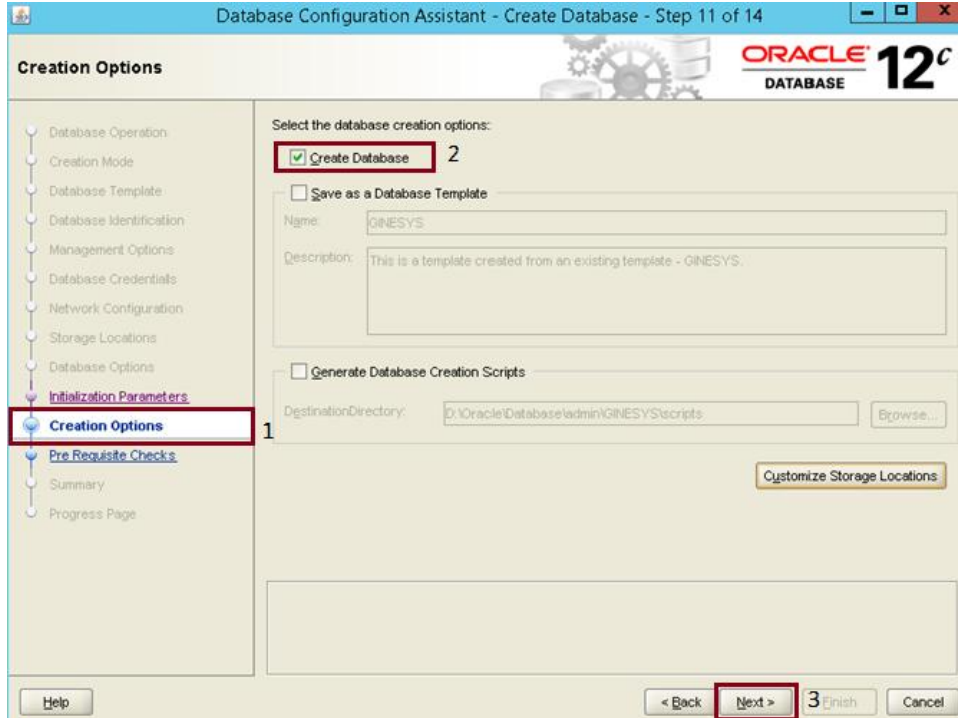


Next in the **Initialization Parameters** (1), choose **Typical Settings** (2). Give the **Memory Size (SGA and PGA)** as **800 MB** (3). Then click on **Next** (4).

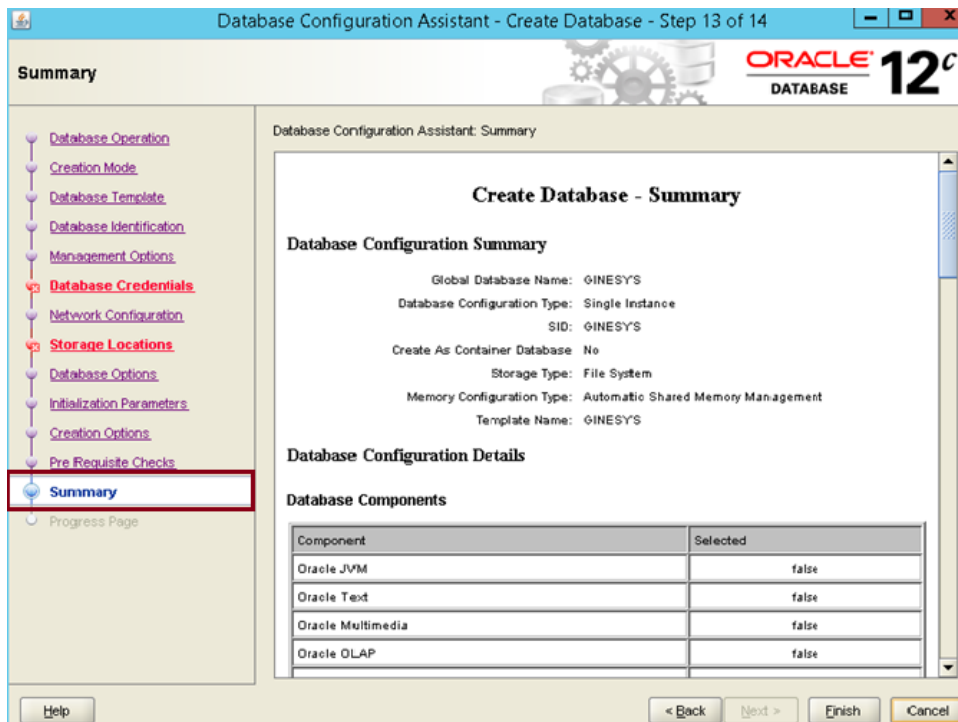


Once you get the **Creation Options (1)** page in which the **Create Database (2)** options is checked by default. Just click on **Next (3)**.

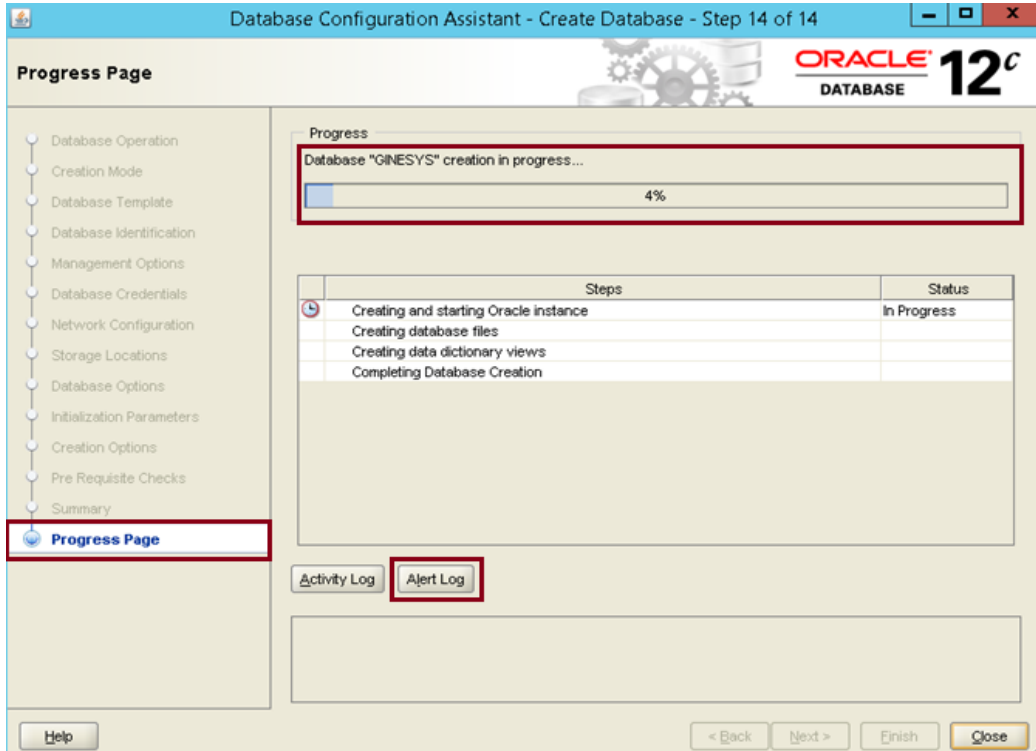
(By default USERS, INDX, GINOLAP, UNDO table-space having size 10G and TEMP table-space having size 5G. Five redo log groups having two members. If you need to change any settings, click on Customize Storage Locations.)



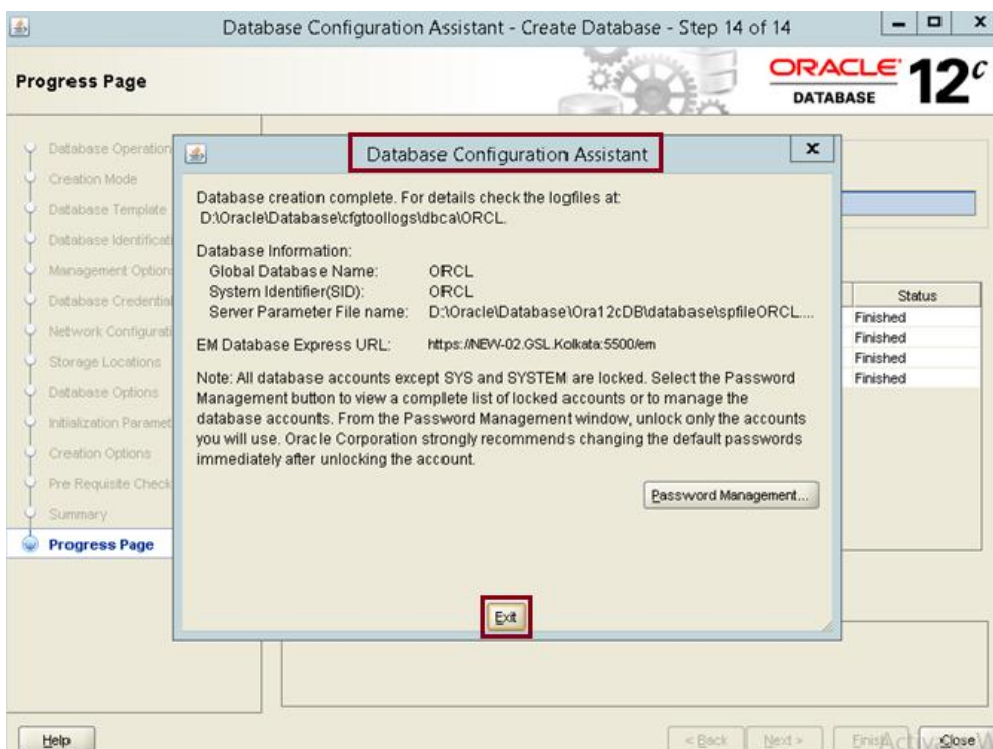
The **Create Database – Summary** appears. You can review configuration and Click **Finish**.



Now the **Progress Page** appears, it tracks the completion of the database creation process through the progress bar. In case of any errors or troubles, you can click on the **Alert Log** or **Activity Log** for a better understanding of the issue.



Finally the **Database creation completed page** appears. It has the details of the new database created. Click on the "Exit" and **Close**.



Note: After Oracle installation, **SQLNet.ora** has to be manually placed in this path from the Oracle folder in the root directory of your installation CD / DVD:

<Drive name>\Oracle\ Database\Ora12cDB \12.1.0\dbhome_1\NETWORK\ADMIN

Please Note:

In case of new pack installations where the old **Oracle 10g database** has been preserved, it is **necessary** to keep a **full back-up before uninstalling** the previous software. This back-up **must be ported** when the new software is installed.

Similarly, when a client is carrying forward with a new **Oracle 12c database** from his old database, the back-up taken from his old **10g database** can be ported into the new database.

In case of a database already being existent, please configure the listener according to steps given above and then configure the Database Template.