



# Relational Database Concepts

*Oracle Installation Guidelines*

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# Objectives

- Review the oracle database 11gR2 documentation to gather the requirements for the software installation.



# Oracle Database Installation Guidelines

- Links to download Oracle 11g R2 and Oracle 12c2 Client have been provided in the course.
- You will be required to create a free account with oracle before you can download the softwares.
- You will install the Oracle 11gR2 database Enterprise Edition and the Oracle 12c2 client.



# Oracle Database Installation Guidelines

- Oracle server - recommend the Oracle 11g R2 Enterprise Edition.
- Oracle supports 32 bit and 64 bit versions of Oracle 11g.
- How to check if your windows computer is a 32 bit or 64 bit .
- A 64-bit windows operating system can support either a 32-bit database or a 64-bit database. A 32-bit operating system cannot support a 64-bit database. So, version identification of the OS is necessary prior to install oracle.



# Steps To Check If Your Windows 8 -10 OS is 64 bit or 32 bit

- Right-click on your mouse and select **Control Panel** to launch the control panel.
- You can also select **Run** and type control in the text box which pops up to launch the control panel.
- Click on the **System** and **Security** link.
- Click on the **System** link.
- You will see basic information about your computer on the Systems Page. Look for the system type to check if your computer is running a 32 bit or 64 bit operating system.



# Oracle Database Installation Requirements

- Hardware
- Software
- Storage



# Oracle Database Installation Requirements

- Check that you can log on to your machine with the required permissions (administrative privileges) to install the oracle database 11gR2 software..



# Oracle Database Installation - Hard disk Requirements

- The hard disk requirements for Oracle Database components include 32 MB to install Java Runtime Environment (JRE) and Oracle Universal Installer on the partition where the operating system is installed.
- If sufficient space is not detected, installation fails and an error message appears.
- The starter database requires 8GB of disk space and can be higher depending on the installation options selected, such as languages or additional components.
- If you choose to install Oracle Database with automated backups enabled, allocate an additional 2 GB extra for data file disk space.

# Oracle Database Installation - Hard disk Requirements

- Allocate at minimum 5GB of disk space to the temp directory.
- The amount of disk space available in the temp directory is estimated as the total amount of free disk space, minus what is recommended for the Oracle software tinstallation.
- If less than 500 MB of disk space is available in the temp directory, delete all unnecessary files. If the temp disk space is still less than 500 MB, then set the TEMP or TMP environment variable to point to a different hard drive.



# Oracle Database Installation - Memory Requirements

- Oracle recommends a minimum physical memory (RAM) of 2G. I recommend a windows system running on at least 4G.
- If the size of the physical RAM installed in the system is less than at least 2G, you must install more memory before continuing.
- If physical memory is between 2 GB and 16 GB, then set virtual memory to 1 times the size of the RAM.
- If physical memory is more than 16 GB, then set the virtual memory to 16 GB.



# **Oracle Database Installation - Web Browser Support Requirements**

- You do not require a web browser to install the Oracle Database.
- You will access the oracle installation guide from a web browser.
- You will be able to access your database from the web based Oracle Enterprise Manager portal after the oracle database is installed .
- Web browsers supported.



# Oracle Database Installation guide

- Follow the link to access the oracle 11gR2 quick installation guide