

Installing Oracle Database Software

Objectives

After completing this lesson, you should be able to:

- Describe the operating system groups and users that are required for Oracle Database software installation
- Install the Oracle Database software

Oracle Database Installation: System Requirements

- Memory requirements for Linux:
 - Minimum 1 GB (2 GB recommended) for the database instance
 - Swap space:
 - 1 GB – 2 GB RAM, swap space = 1.5 times the size of RAM
 - 2 GB – 16 GB RMAN, swap space = size of RAM
 - 16 GB + RAM, swap space = 16 GB
- Disk space requirements for Linux:
 - 6.4 GB for the Oracle Database software (Enterprise Edition) and data files
 - 1 GB of disk space in the `/tmp` directory
 - 4 GB (default) for the fast recovery area (optional)



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Creating Operating System Groups and Users

Create custom configuration groups and users based on job role separation:

- Groups:
 - Oracle Inventory group (`oinstall`)
 - Standard Oracle Database groups:
 - OSDBA (`dba`)
 - OSOPER (`oper`)
 - Extended Oracle Database groups:
 - OSBACKUPDBA (`backupdba`)
 - OSDGDBA (`dgdba`)
 - OSKMDBA (`kmdba`)
- Users (software owners):
 - Oracle Database: `oracle`

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Types of Installations

- Software-only installation
 - Copies the binaries to the specified location
 - Use Database Configuration Assistant (DBCA) to create the database.
- Installation of the software and creation of a database
- Upgrade an existing database

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Summary

In this lesson, you should have learned how to:

- Describe the operating system groups and users that are required for Oracle Database software installation
- Install the Oracle Database software

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