Introduction

Objectives

After completing this course, you should be able to
do the following:

- Identify the **various components of the Oracle architecture**
- **Start and shut down** an Oracle database
- Create an operational database
- Manage Oracle **control files**, **redo log files**, **database files**, **tablespaces**, **segments**, **extents**, and **blocks**
- Manage **users, privileges, and resources**
- Use **Globalization Support features**

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ORACLE

Oracle9*i* Enterprise Edition

What Is the Oracle9*i* Enterprise Edition?

Oracle9*i* Enterprise Edition is an **object relational database** that is **scalable** and **easily manageable**.

However, the following options provide additional functionality.

Partitioning

Provides **facilities for implementing large, scalable applications**.

(It enables control over tables and indexes at a lower level of granularity than is possible with the basic enterprise edition.)

Real Application Clusters

Improves the scalability and availability of a database by **allowing multiple copies of the Oracle software to access a single database**.

Oracle Enterprise Manager Packs

Built on top of the Oracle Enterprise Manager. Oracle Enterprise Manager **Diagnostics, Tuning, and Change Management** Packs are **add-ons that provide** DBAs with a **set of tools for advanced diagnostics, monitoring, tuning, and change management** of Oracle environments. OEM also provides a **DBA Management Pack** that enables DBAs to **perform basic administration**, such as creating users, starting up an instance, granting privileges, and so on.

Advanced Security

Provides client-server, server-server network security, **using encryption and data integrity** checking, and supports enhanced user authentication services, using third-party security services.

Database Administrator Tasks

- Plan and create databases

- Manage database availability

- Manage physical and logical structures

- Manage storage based on design

- Manage security

- Network administration

- Backup and recovery

- Database tuning