

# 2

## **Getting Started with the Oracle Server**

# Objectives

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

- **Identify common database administration tools available to a DBA**
- **Identify the features of the Oracle Universal Installer**
- **Use SQL\*Plus to interact and manipulate an Oracle database**
- **List the main components of Oracle Enterprise Manager**

# Database Administration Tools

Tool	Description
Oracle Universal Installer (OUI)	Used to install, upgrade, or remove software components
Oracle Database Configuration Assistant	A graphical user interface tool that interacts with the OUI, or can be used independently, to create, delete, or modify a database
SQL*Plus	A utility to access data in an Oracle database
Oracle Enterprise Manager	A graphical interface used to administer, monitor, and tune one or more databases

# Oracle Universal Installer

- **Used to install, upgrade, or remove software components, and create a database**
- **Based on a Java engine**
- **Features include:**
  - **Automatic dependency resolution**
  - **Allows for Web-based installations**
  - **Tracking inventory of component and suite installations**
  - **Deinstallation of installed components**
  - **Support for multiple Oracle homes**
  - **Support for globalization technology**

# Starting the Universal Installer

- To start Oracle Universal Installer on UNIX:

```
$ ./runInstaller
```

- To start Oracle Universal Installer on NT:

```
D:\> setup
```

# Non-Interactive Installation Using Response Files

- **Allows for no user interaction**
- **Response files:**
  - **Templates that must be edited**
  - **Text files containing variables and values**
  - **Parameters are customized**
- **To start Universal Installer in non-interactive mode:**

```
./runInstaller -responsefile myrespfile -silent
```

# Oracle Database Configuration Assistant

**The Oracle Database Configuration Assistant allows you to:**

- **Create a database**
- **Configure database options**
- **Delete a database**
- **Manage templates**

# Database Administrator Users

- Users **SYS** and **SYSTEM** are created automatically
- During database creation
- Granted the DBA role

## **SYS**

- Password: `change_on_install`
- Owner of the database data dictionary

## **SYSTEM**

- Password: `manager`
- Owner of additional internal tables and views used by Oracle tools



# SQL\*Plus

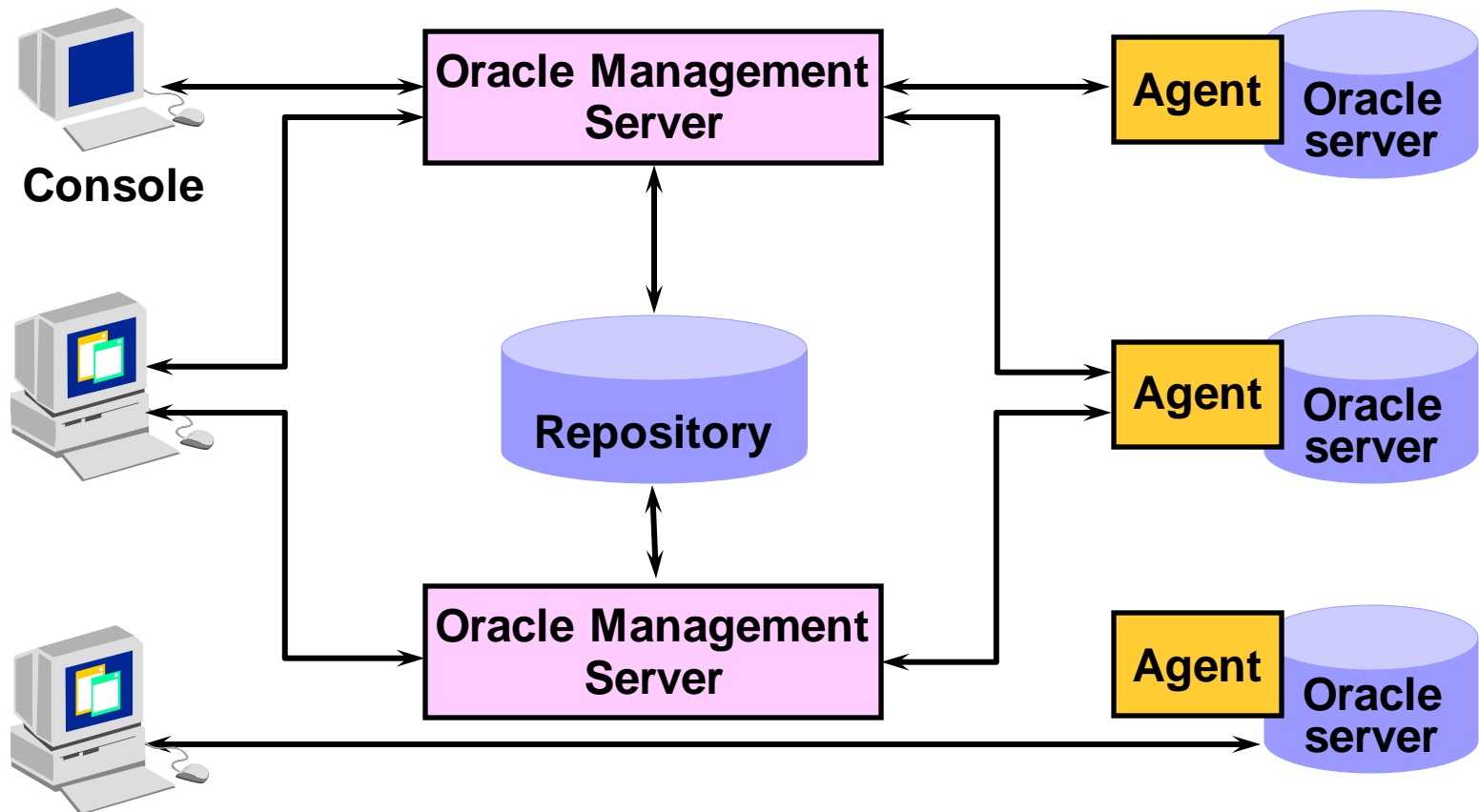
- **An Oracle tool providing:**
  - **Capability to interact with and manipulate the database**
  - **Ability to start up and shutdown the database, create and run queries, add rows, modify data, and write customized reports**
- **Subset of the standard SQL language with specific add ons**
- **Connecting to SQL\*Plus**

```
sqlplus /nolog  
  
connect / as sysdba  
Connected to an idle instance.
```

# Oracle Enterprise Manager

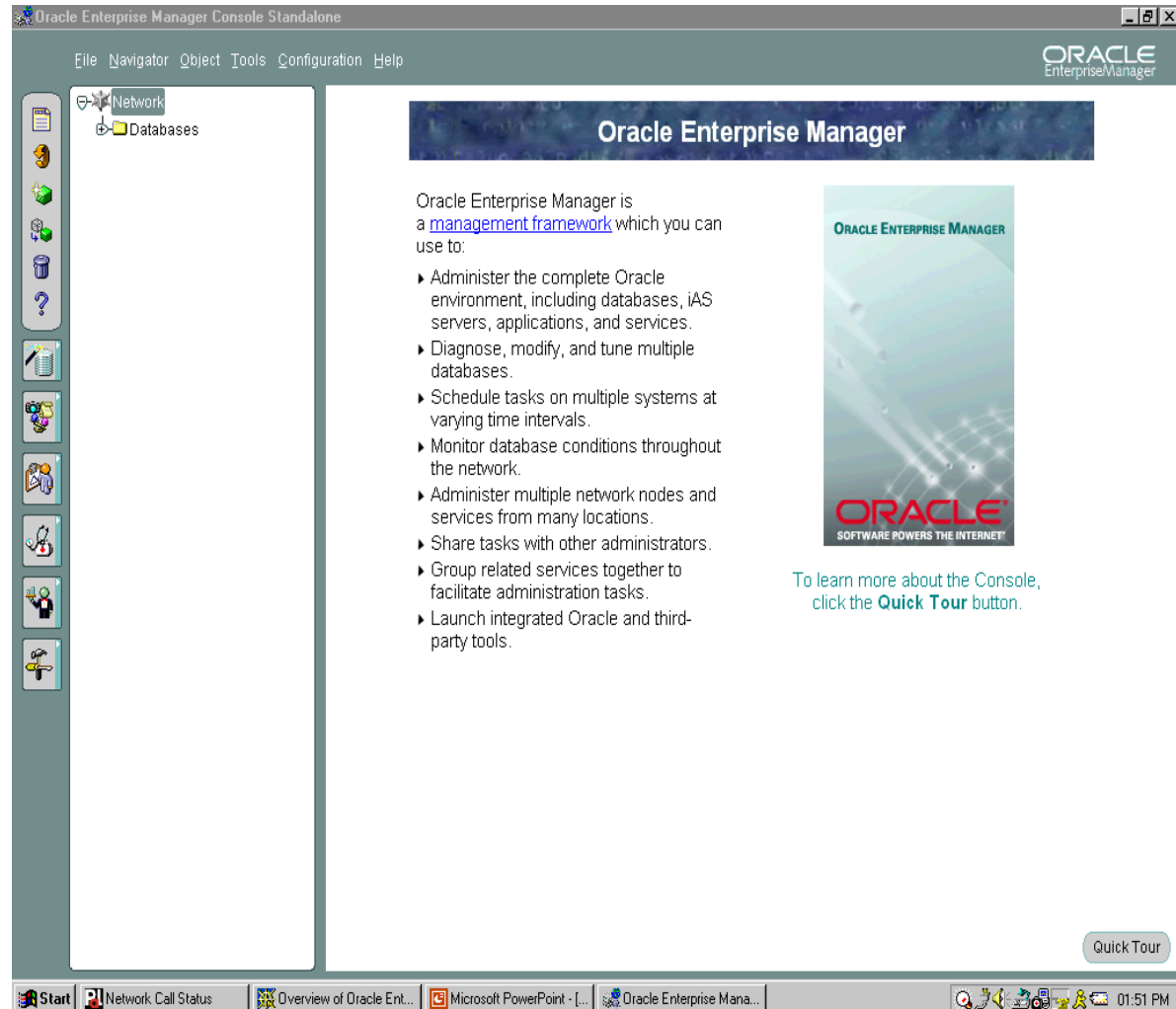
- **Serves as a centralized systems management for DBAs**
- **A tool to administer, diagnose, and tune multiple databases**
- **A tool to administer multiple network nodes and services from many locations**
- **Use to share tasks with other administrators**
- **Provides tools for administering parallel servers and replicated databases**

# Oracle Enterprise Manager - Architecture



# Console

- **Central launching point**
- **Can be run in thin or fat client**
- **Can be launched standalone or via an OMS**



# Summary

**In this lesson, you should have learned to:**

- **Identify database administration tools**
- **Identify the features of the Oracle Universal Installer**
- **Use SQL\*Plus to interact and manipulate the database**
- **Identify the main components of Oracle Enterprise Manager**

# Practice 2 Overview

**This practice covers the following topics:**

- **Connecting to SQL\*Plus**
- **Connecting to Enterprise Manager Console**

