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

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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

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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

@ INSTALL\install\solaris
```

- To start Oracle Universal Installer on NT:

```
D:\> setup
```

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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
```

```
setup.exe -responsefile filename [-silent]
```

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Oracle Database Configuration Assistant

The Oracle Database Configuration Assistant allows you to:
- Create a database
- Configure database options
- Delete a database
- Manage templates

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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

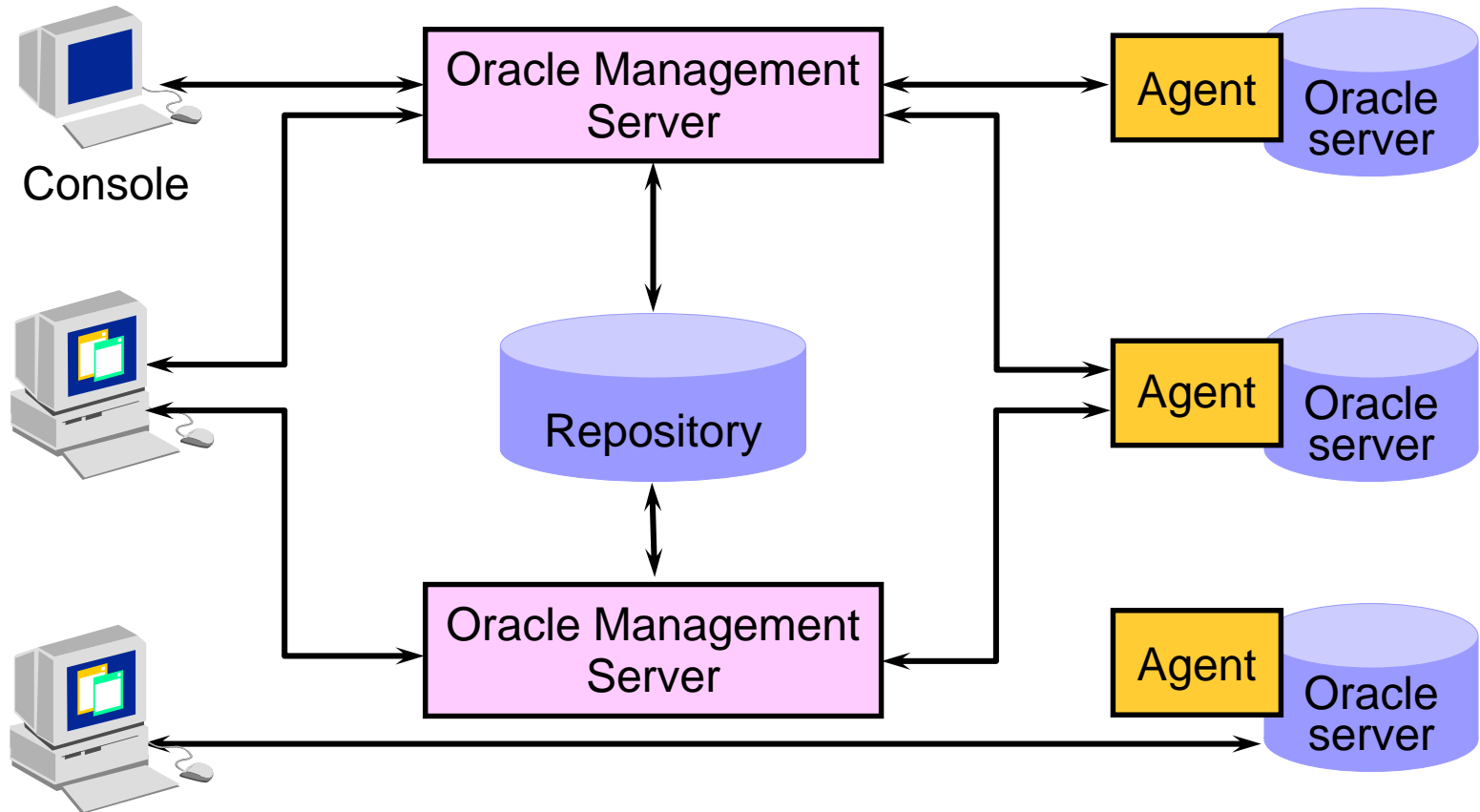*Amir Rashid*
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SQL*Plus

- 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.
```

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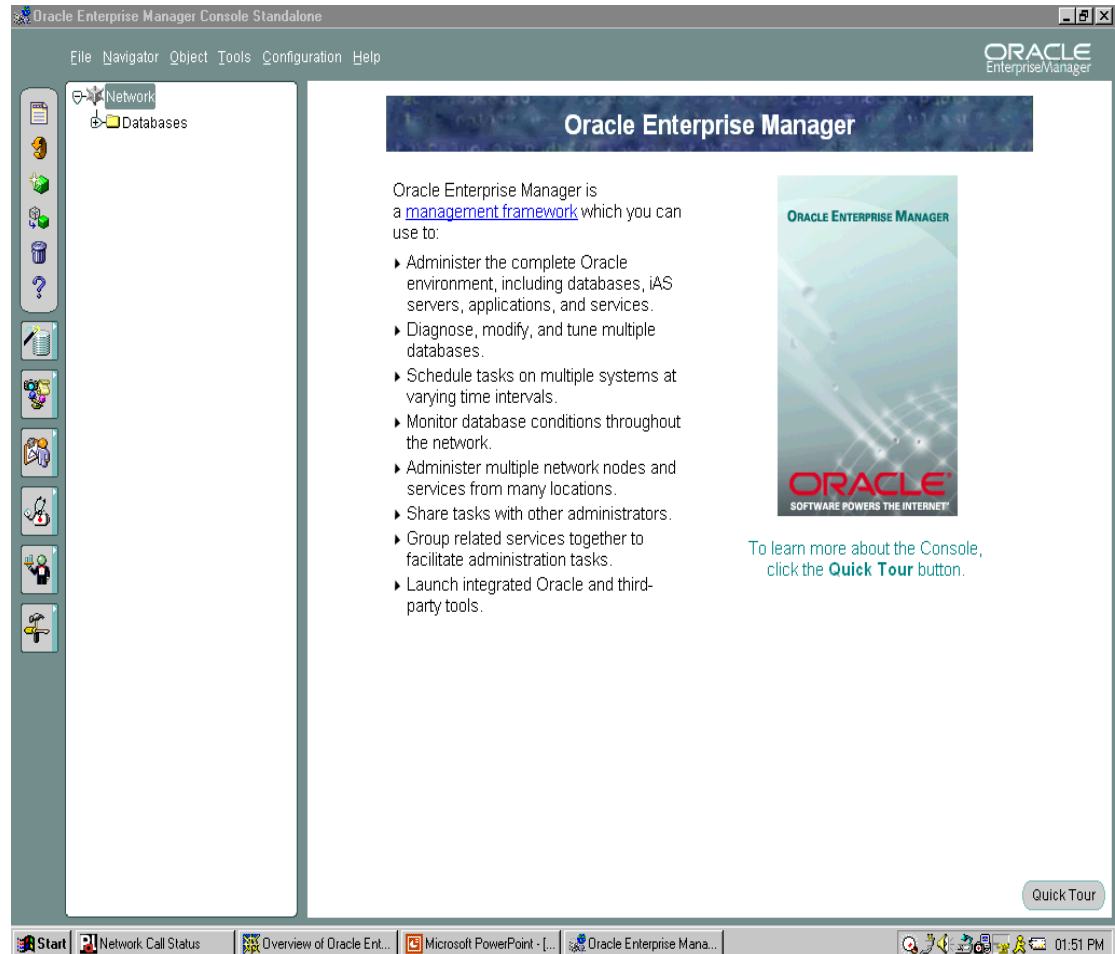
Oracle Enterprise Manager

- 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

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Oracle Enterprise Manager - Architecture

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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

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Practice 2 Overview

This practice covers the following topics:
- Connecting to SQL*Plus
- Connecting to Enterprise Manager Console

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