

Oracle (PL/SQL)

Lesson 10: Oracle Tools

Lesson Objectives



- **To understand the following topics:**
 - Various tools provided by Oracle standard installation
 - Use of Oracle tools:
 - to maintain your database
 - to create or repair existing database
 - to install or uninstall oracle software, etc



Listing Of Tools



➤ **Given below is a list of Oracle provided Management Tools:**

Tool	Description
Oracle Universal Installer (OUI)	Java-based graphical user interface used to assist with the installation, upgrade, and removal of Oracle software components.
Oracle Database Configuration Assistant	Java-based graphical user interface that can either interact with OUI or be run independently. Used to create, delete, or modify a database.
Password File Utility	Utility for creating a database password file.
SQL*Plus	Utility used to access data in an Oracle database, alter structures, and perform maintenance.
Oracle Enterprise Manager (OEM)	Graphical user interface used to administer, monitor, tune, and troubleshoot single or multiple databases.

Using DBCA To Create A Database



➤ Database Creation Assistant (DBCA):

- The Database Creation Assistant (DBCA) wizard guides you through the database creation process.
- In this section, we are going to create a database using the DBCA.



- **Oracle Enterprise Manager (OEM) is a set of systems management tools provided by Oracle Corporation for managing the Oracle environment.**
 - OEM provides tools to monitor the Oracle environment and automate tasks to take database administration a step closer to “Lights Out” management.
 - OEM comes with pre-defined jobs like Export, Import, run OS commands, run sql scripts, SQL*Plus commands, etc.
 - OEM also gives you the flexibility of scheduling custom jobs written with the TCL language.



➤ Oracle Enterprise Manager (OEM) has the following components:

- Management Server (OMS):
 - OMS handles communication with the intelligent agents.
 - The OEM Console connects to the management server to monitor, and configure the Oracle Enterprise.
- Console:
 - Console is a graphical interface from where one can schedule jobs, events, and monitor the database.
 - Console can be opened from a Windows workstation, Unix XTerm (oemapp command), or Web browser session (oem_webstage).

Components Of OEM



- Intelligent Agent (OIA):
 - OIA runs on the target database, and takes care of the execution of jobs and events scheduled through the Console.

Characteristics of Console



- **For all Oracle Enterprise Manager operations, the Console is the primary interface used.**
 - It provides menus, toolbars, and the framework to access Oracle tools and utilities in addition to those available through other vendors.
 - It displays the Create Object dialog allowing you to create Navigator objects such as jobs, events, database objects, and report definitions.

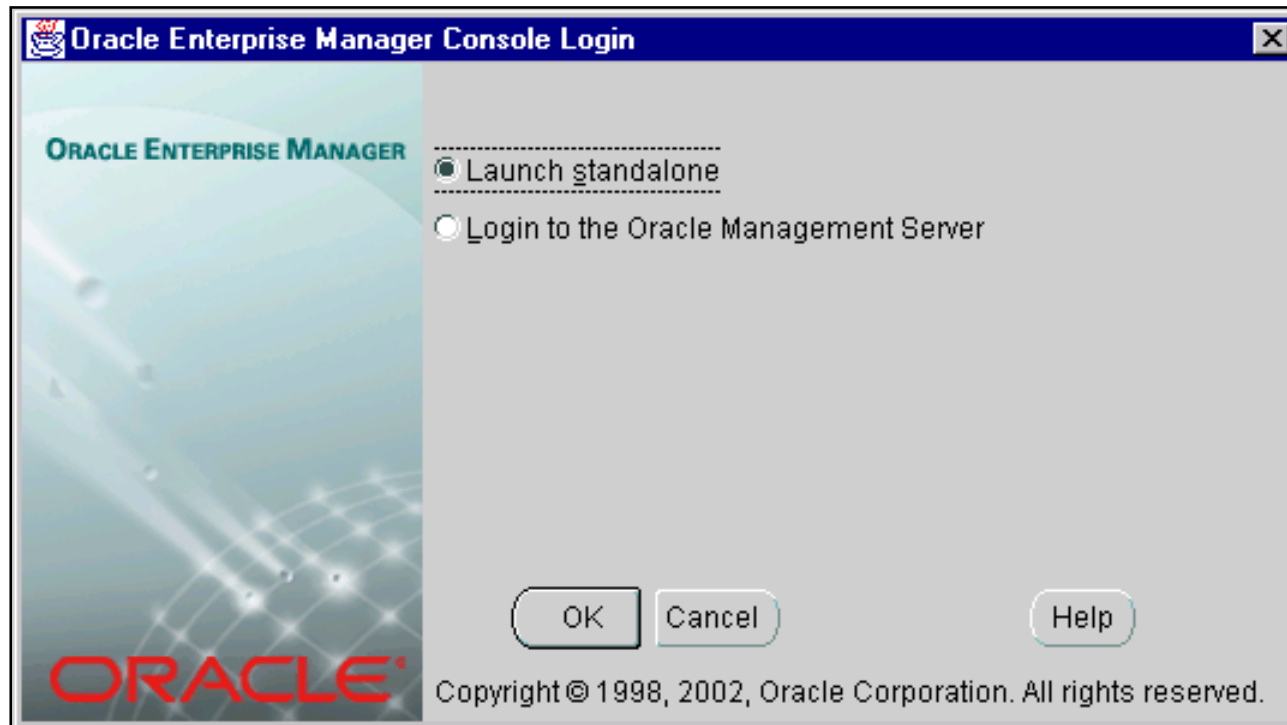
Starting Standalone Console



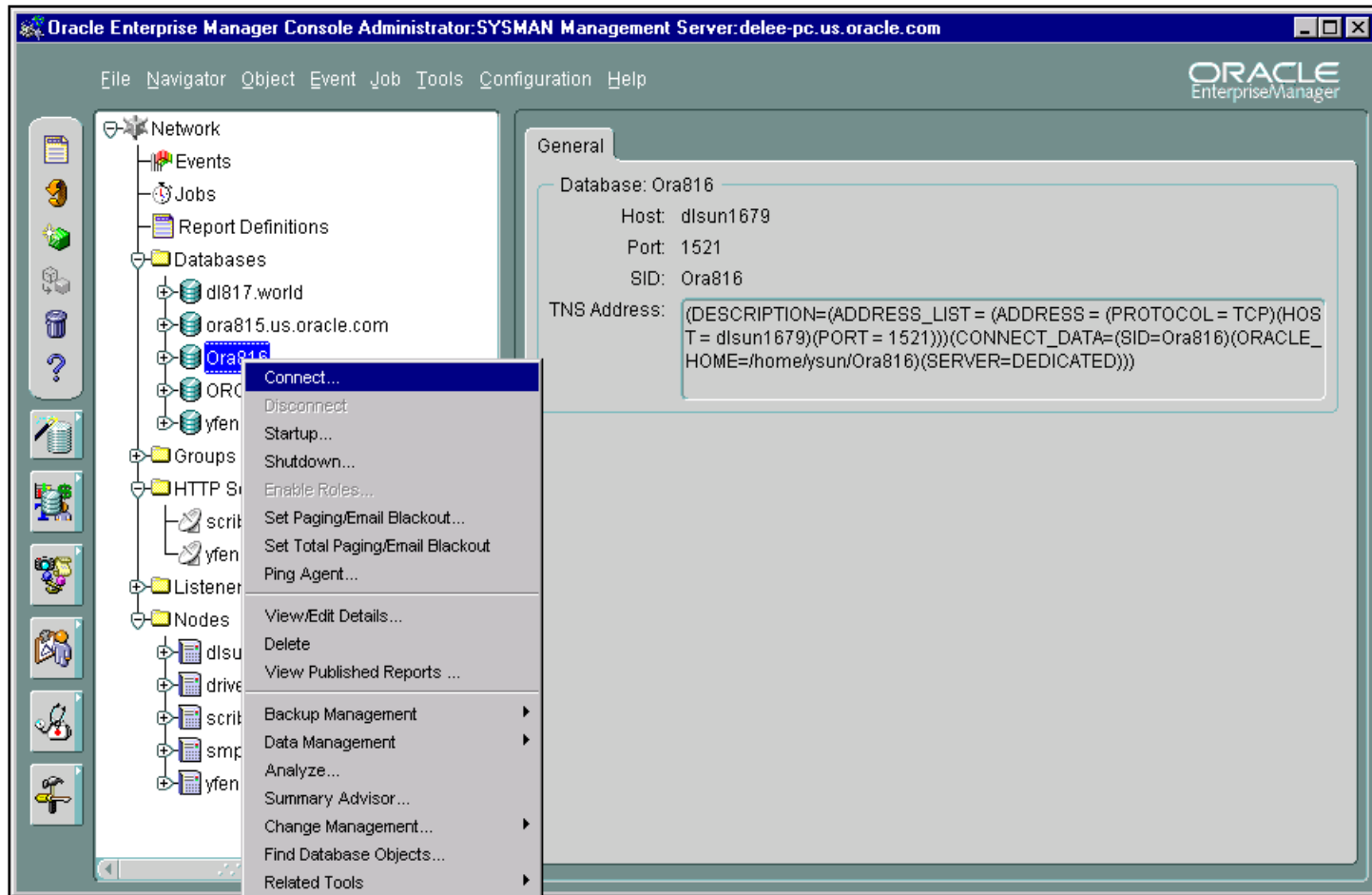
- On Windows-based platforms, you start the Console from the Windows Start menu.
- You can also start the standalone Console from the command line by using the following command:

```
C:\> oemapp console
```

OEM Console Login - Process



OEM Console Login - Process





➤ In this lesson, you have learnt about:

- Various Management tools provided in Oracle, namely:
 - Oracle Enterprise Manager (OEM): It is a set of systems management tools provided by Oracle Corporation for managing the Oracle environment.



Review Question



- **Question 1: OEM is a set of systems management tools for managing the Oracle environment**
 - True / False
- **Question 2: Launching OEM standalone does require a middle tier Management Server or Intelligent Agents on target machines.**
 - True/False

