

## **Oracle Software Installation Basics**

### **Objectives**

After completing this lesson, you should be able to:

- Plan an Oracle Database and Oracle Grid Infrastructure for standalone server software installation
- Use the Oracle RDBMS Pre-Install RPM
- Configure the Oracle software owner environment
- Invoke the appropriate Oracle Universal Installer (OUI)

## Planning Your Installation

- What Oracle software are you installing?
- Does the hardware involved meet the minimum required specifications?
- Is there a recommended order of installation when multiple products are involved?
- Are there prerequisite steps that must be performed by someone other than the DBA?



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## Configuring Oracle Linux with Oracle RDBMS Pre-Install RPM

To configure a server using Oracle Linux and the Oracle RDBMS Pre-Install RPM:

1. Install Oracle Linux.
2. Register your Linux distribution with Oracle Unbreakable Linux Network (ULN), or download and configure the yum repository for your system.
3. Install the RPM:
  - Oracle RDBMS Pre-Install RPM for Oracle Linux 6
  - Oracle Validated RPM with the RPM for Oracle Linux 5

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## Operating System Groups and Users

Oracle Pre-Install RPM configures:

- `oracle`: Oracle Database installation owner
- `oinstall`: Oracle Inventory group
- `dba`: Oracle administrative privileges group

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## Environment Variables

The following Oracle environment variables are suggested by the OUI during installation:

- `ORACLE_BASE`: Base of the Oracle directory structure
- `ORACLE_HOME`: Oracle Grid Infrastructure home directory or Oracle Database home directory depending on the product that is being installed

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## Configuring the Oracle Software Owner Environment

Prior to installing the Oracle software, configure the Oracle software owner environment:

- Set the default file mode creation mask (`umask`) to 022 in the shell startup file.
- Unset Oracle environment variables (`ORACLE_HOME`, `ORACLE_BASE`, `ORACLE_SID`, and `TNS_ADMIN`).
- Remove `$ORACLE_HOME/bin` from your `PATH` environment variable.

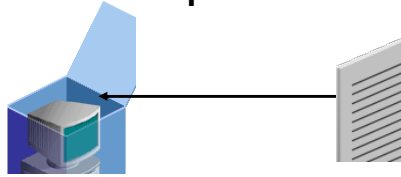
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## Using Oracle Universal Installer (OUI)



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## Installation Option: Silent Mode



To install and configure Oracle products with OUI in silent mode, perform the following steps:

1. Prepare a response file by:
  - Using one of the file templates that is delivered with the Oracle software
  - Recording a response file during an installation process using the OUI by clicking Save Response File on the summary page
2. Run OUI in silent or response file mode.  
`./runInstaller -silent -responsefile <filename>`  
If required, run ASMCA, DBCA, and NetCA in silent mode.

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## Summary

In this lesson, you should have learned how to:

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