

## Oracle10g Enterprise Linux for Oracle DBAs

### Course Summary

#### Description

This class is designed to teach experienced Oracle DBAs what they need to know to manage Oracle10g on Linux. DBAs will learn the key features of the Linux environment and how an Oracle10g database needs to be configured on Linux. Configuration, monitoring and management issues will be covered. Students will learn how to tune and monitor an Oracle10g database for maximum performance. Basic and advanced Linux commands will be reviewed. Oracle10g DBAs will determine file system choices, manually configure an Oracle database, setup automated startup and shutdown scripts and configure the network. Students will setup and configure the Oracle Enterprise Manager on Linux. The class contains hands-on practices designed to walk the student through the entire installation, tuning and configuration process. Linux has definitely arrived as a key Oracle platform when major companies are looking at running Oracle on Linux for advanced configurations. If you are going to be running Oracle10g on Linux this is the class for you.

#### Topics

- Installing and managing Oracle10g database on Linux
- Tuning Linux for running an Oracle10g database
- Understanding how to run Oracle10g at the enterprise level on Linux
- Basic Unix commands
- Advanced Unix commands
- Key Unix commands and scripts for managing Linux
- Basic Linux administration
- Available editors on Linux
- Understanding configuration requirements
- Linux distributions and versions
- Linux Enterprise level Distributions
- Implement dynamic shared memory
- Installing O/S Patches
- Configuring the O/S Kernel
- Setting up a Linux Network
- Laying out the file system
- Create the O/S user Oracle
- Setting up the Oracle10g environment
- Installation using the Oracle Universal Installer
- Creating an Oracle10g database manually
- Setting up Oracle10g Net Services
- Testing the Oracle installation
- Configuring the Oracle Management Server
- Discovering Oracle10g databases and nodes
- Configure the HTTP/Reports Server
- Configure and test jobs and events using OEM
- Creating automated backup scripts with RMAN
- Creating automated startup/shutdown scripts
- Introduce available Linux Measurement Tools
- Install and configure selected Linux Measurement Tools
- Measure CPU load
- Gather memory usage statistics
- Gather I/O load statistics
- Collect network activity statistics
- Use Statspack with OS tools
- Use OEM tools with OS tools
- Configure and measure SGA and PGA usage
- Evaluate file systems
- Tune supported file systems for use with Oracle10g
- Configure basic initialization parameters
- Configure advanced initialization parameters
- Implement asynch I/O
- Implement Advanced Memory Management Techniques
- Using raw devices on Linux.
- Running RAC on Linux
- Configuring the shared server architecture
- Success guide to running Oracle on Linux

#### Prerequisites

Students must have previous experience managing an Oracle database or have taken the Oracle10g DBA Administration I course.

#### Duration

Three days