

RAC & Grid Infrastructure for Oracle Solaris System Admins

Duration: 1 Day

What you will learn

In this seminar, students will learn about Oracle Real Application Clusters installation and administration concepts in a Solaris environment. Students will learn how to prepare Solaris cluster nodes in preparation to accept an Oracle Grid Infrastructure installation using Oracle ASM for cluster storage needs. In addition students will learn how to create a Real Applications Cluster database using Oracle ASM for the database shared storage. Finally, Students will learn to administer Oracle Clusterware, Oracle ASM, and the Oracle RAC database in a Solaris environment.

The seminar content is intended to aid current Solaris system administrators successfully install, configure, and administer Oracle RAC database environments.

This seminar provides no hands-on lessons for any of the topics covered.

Audience

Database Administrators
System Administrator

Related Training

Required Prerequisites

Some experience with Oracle Database 11g or Solaris would be helpful.

Suggested Prerequisites

Oracle Database and Oracle Solaris Administration

Course Objectives

Configure ASM disk groups on Exadata disk resources

Install the Oracle Database software

Create a cluster database

Perform post-database-creation tasks

Manage and troubleshoot Clusterware

Administer an Oracle RAC Database

Manage ASM storage

Install Grid Infrastructure

Describe the Oracle Clusterware architecture

Explain the benefits of Oracle Exadata storage

Describe the components of ASM

Prepare Solaris cluster nodes

Course Topics

Oracle Real Applications Clusters Overview

Clustered hardware

Oracle Clusterware Architecture and Services

Oracle Clusterware Networking

Interconnect NIC Guidelines

Grid Plug and Play and Clusterware

Single Client Access Name

ASM and ASM Cluster File System

ASM Key Features and Benefits

Installing and Configuring Grid Infrastructure

Preinstallation Planning

Shared Storage Planning for Grid Infrastructure

Sizing Shared Storage

Oracle Cluster Repository

Managing Voting Disks in ASM

Grid Infrastructure Preinstallation Tasks

System Requirements

Network Requirements

Installation and Configuration of the Clustered Database

Describe the Oracle RAC database architecture

Background Processes Specific to Oracle RAC

Installing the Oracle Database Software

Creating the Cluster Database

Admin Managed versus Policy Based Managed

Post-creation tasks

Checking Managed Targets

Managing a RAC Database in a Solaris Environment

Oracle Clusterware Main Log Files

Cluster Verification Utility

Viewing Logical Contents of the OCR

Checking OCR Integrity

Configuring an ASM Volume

Adding an ASM Cluster File System

Monitoring Exadata with Enterprise Manager

Cell Maintenance Overview