Oracle Solaris Cluster 4.x Administration Ed 4

Introduction to the course

- Overview
- Course goals
- Course agenda
- Introduction
- Your Learning Center

Introducing Oracle Solaris Cluster Hardware and Software

- Describe the role of clustering as a high availability (HA) platform
- Describe the Oracle Solaris Cluster hardware and software environment
- Describe the types of applications supported by Oracle Solaris Cluster
- Describe the Oracle Solaris Cluster software HA framework

Establishing Cluster Node Console Connectivity

- Describe the different methods for accessing the cluster node console
- Install the pconsole utility

Preparing for the Oracle Solaris Cluster Installation

- Describe the guidelines for planning Oracle Solaris software installation in a cluster configuration
- Describe the various cluster storage topologies
- Describe the role of quorum devices and quorum votes
- Describe persistent quorum reservations and cluster amnesia
- Identify the cluster transport interconnects
- Identify the public network adapters

Configuring the Oracle Solaris Cluster Software

- Install the Oracle Solaris Cluster software
- Configure the Oracle Solaris Cluster software
- Describe sample cluster configuration scenarios
- Perform quorum configuration
- Perform post-installation verification

Administering Oracle Solaris Cluster

- List commands for administering the cluster
- Administer cluster global properties
- Administer cluster nodes
- Administer quorum in a cluster configuration
- Administer disk path monitoring and SCSI protocol settings of storage devices
- Administer cluster interconnect components
- Use the clsetup command
- Perform Cluster Operations

Configuring Volume Management With Oracle Solaris ZFS

- Describe the role of ZFS in data management
- Build ZFS storage pools and file systems
- Use ZFS in the Oracle Solaris Cluster environment

Configuring Volume Management with Solaris Volume Manager

- Describe the role of Solaris Volume Manager in disk space management
- Manage shared disksets in cluster environment
- Build volumes in shared disk sets with soft partitions of mirrors
- Create highly available file systems
- Manage Solaris Volume Manager device group

Managing the Public Network

- Manage the Public Network with IPMP
- Manage the Public Network with Link aggregation

Managing Data Services, Resource Groups, and HA-NFS

- Describe the Oracle Solaris Cluster data services
- Describe the primary purpose of resources, resource groups and resource types
- List the guidelines for using global and highly available local file systems
- Describe standard, extension, and resource group properties
- Configure resources and resource groups
- Control the state of resources and resource groups manually

Configuring Scalable Services and Advanced Resource Group Relationships

- Describe scalable services and shared addresses
- Describe the properties of resource groups and scalable groups
- Describe how the SharedAddress resource works with scalable services
- Review command examples for a scalable service
- Control scalable resources and resource groups
- Describe advanced resource group relationships