Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Veritas InfoScale Availability 7.3 for UNIX/Linux: Advanced Administration

CODE:	LENGTH:	PRICE:
VER_IAU_A-ADV	40 Hours (5 days)	€3,250.00

Description

The Veritas InfoScale Availability 7.3 for Unix/Linux: Administration course is designed for the IT professional tasked with installing, configuring, and maintaining Veritas Cluster Server (VCS) clusters.
This class discusses how to use InfoScale Availability to manage applications in a high availability environment. After gaining the necessary fundamental skills that are required to manage a highly available application in a cluster, the course enables you to deploy InfoScale Availability in the lab environment to practically implement a sample cluster design and deployment.

Objectives

By the completion of this course, you will be able to:

- Describe how clustering is used to implement high availability in the data center environment.
- Describe VCS and cluster communication mechanisms.
- Create a cluster, and configure service groups and resources.
- Implement and verify failover and failback capability. for application, storage, and network services.
- Configure and optimize cluster behavior.
- Protect data in a shared storage environment.
- Describe I/O fencing operations, and its implementation.
- Configure VCS to manage an Oracle database and other applications.
- Configure a global cluster environment, including remote clusters, global heartbeats, and global service groups.
- Configure notification and failover behavior in a global cluster.

Audience

This course is for UNIX/Linux system administrators, system engineers, technical support personnel, network/SAN administrators, and systems integration/development staff, who will be installing, operating, or integrating InfoScale Availability.

Prerequisites

Knowledge of and hands-on experience with UNIX/Linux systems administration is required.

Programme

Cluster Server BasicsHigh Availability Concepts

- High availability concepts

- Clustering concepts
- High availability application services
- Clustering prerequisites

VCS Building Blocks

- VCS terminology
- Cluster communication
- VCS architecture

VCS Operations

- Common VCS tools and operations
- Service group operations
- Resource operations

VCS Configuration Methods

- Starting and stopping VCS
- Overview of configuration methods
- Online configuration
- Controlling access to VCS

Preparing Services for VCS

- Preparing applications for VCS
- Performing one-time configuration tasks
- Testing the application service
- Stopping and migrating an application service
- Collecting configuration information

Online Configuration

- Online service group configuration
- Adding resources
- Solving common configuration errors
- Testing the service group

Offline Configuration

- Offline configuration examples
- Offline configuration procedures
- Solving offline configuration problems
- Testing the service group

Configuring Notification

- Notification overview
- Configuring notification
- Overview of triggers

<u>Cluster Server Additions</u>Handling Resource Faults

- VCS response to resource faults
- Determining failover duration
- Controlling fault behavior
- Recovering from resource faults
- Fault notification and event handling

Intelligent Monitoring Framework

- IMF overview
- IMF configuration
- Faults and failover with intelligent monitoring

Cluster Communications

- VCS communications review
- Cluster interconnect configuration
- Joining the cluster membership
- Changing the interconnect configuration

Cluster Server ApplicationsUsing I/O Fencing for Application Data Integrity

- Data protection requirements
- I/O fencing concepts
- I/O fencing operations
- I/O fencing implementation
- Fencing configuration

Clustering Applications

- Application service overview
- VCS agents for managing applications
- The Application agent
- IMF support and prevention of concurrency violation

Clustering Databases

- VCS database agents
- Database preparation
- The database agent for Oracle
- Database failover behavior
- Additional Oracle agent functions

In-Guest ClusteringVMware vSphere Data Center Architecture

- VMware vSphere high availability architecture
- VMware administration
- VMware storage architecture
- Server and storage migration

Veritas High Availability Deployment in VMware

- Veritas high availability architecture in VMware
- Deploying Veritas InfoScale on VMs
- Configuring VIOM to manage InfoScale on VMs
- Configuring the vSphere Web Client for Veritas HA

Veritas High Availability Configuration and Administration

- Configuring storage for VCS failover clusters
- Configuring shared storage for CFS clusters
- Configuring availability
- Just In Time Availability solution

Session Dates

On request. Please contact us

Additional Information

This training is also available as onsite training. Please contact us to find out more.