Veritas InfoScale Availability 7.2 for UNIX/Linux: Advanced Administration I

COURSE DESCRIPTION

The *Veritas InfoScale Availability 7.2 for UNIX/Linux: Advanced Administration I* course is designed for the IT professional tasked with managing, configuring, and using clusters in an enterprise environment.

This five day, instructor-led, hands-on class covers how to set up advanced networking and fencing configurations, as well as disaster recovery solutions.

Note: This course does not teach basic clustering concepts and is a follow-on course from the *Veritas InfoScale Availability 7.2 for UNIX/Linux: Administration* course.

Delivery Method
This course is available in the following delivery methods:

- Instructor-led training (ILT)
- Virtual Academy (VA)

Duration
Five (5) days

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

- Configure advanced networking environments.
- Implement advanced fencing configurations.
- Configuring and manage disaster recovery environmenets and campus clusters.

Who Should Attend
This course is for system administrators, architects, and technical support personnel who are responsible for implementing, managing, and supporting clusters in complex enterprise environments.

Prerequisites
You must have administrator-level experience with UNIX or Linux, TCP/IP networking, and clustering using Veritas Cluster Server.

Hands-On
This course includes practical hands-on exercises that enable you to test your new skills and begin to use those skills in a working environment.

COURSE OUTLINE

Advanced Networking

Reviewing an Existing VCS Environment

- Understanding the VCS architecture
- Building the cluster configuration
- Configuring VCS

Configuring LLT

- LLT over bonded interfaces
- LLT over UDP
- LLT over RDMA
- LLT with different network interfaces
- Manually configuring LLT

Using Multiple Public Network Interfaces

- Configuring multiple service groups with network resources
- Managing multiple public network interfaces
- MultiNICB and IPMultiNICB
- MultiNICA and IPMultiNIC

Data Protection

Implementing Disk-Based I/O Fencing

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

Implementing Coordination Point Server

- Coordination point concepts
- Server-based fencing architecture
- CPS operations
- Installing and configuring a CP server
- Configuring server-based I/O fencing
- Coordination point agent

Administering Fencing Configurations

- Installing and configuring highly available CP servers
- CPS administration
- Administering disk-based I/O fencing
- Configuring preferred fencing

Disaster Recovery

Global Clustering Architecture and Concepts
- Global cluster architecture
- Global cluster components
- VCS features for global cluster management

Configuring a Global Cluster
- Configuring the Global Cluster Option
- Linking clusters
- Configuring a global service group
- Managing dynamic IP address updates

Managing a Global Cluster
- Managing clusters in a global cluster environment
- Managing global cluster heartbeats
- Managing global service groups

Notification and Failover in a Global Cluster
- Notification in a global cluster
- Failover behavior of a global service group
- Cluster state transitions
- Simulating global clusters using the VCS Simulator

Administering Campus Clusters
- Disaster recovery solutions with InfoScale Availability
- Preparing to set up a campus cluster configuration
- Configuring InfoScale Storage for campus clustering
- Configuring a VCS service group for campus clusters
- Testing site awareness
- Failure scenarios with campus clusters