TRAINING OFFERING

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Veritas InfoScale Availability 7.3 for UNIX/Linux: Advanced Administration I

CODE:	LENGTH:	PRICE:
VER_ISA-7.3 AA I	40 Hours (5 days)	€3,360.00

Description

The Veritas InfoScale Availability 7.3 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 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 7.3 for UNIX/Linux: Administration 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 environments and campus clusters.

Audience

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.

Programme

Reviewing an Existing VCS Environment
 Understanding the VCS architecture
 Building the cluster configuration
Advanced Networking Configuring VCS
Labs   Configuring LLT
 Exercise A: Adding hosts to VIOM   LLT over bonded interfaces
 Exercise B: Using SORT   LLT over UDP
 Exercise C: Verifying the installed clustering software   LLT over RDMA
 Exercise D: Understanding cluster memberships and communication   LLT with different network interfaces
 Exercise E: Getting familiar with the cluster configuration   Manually configuring LLT
                                                    Using Multiple Public Network Interfaces
Labs   Configuring multiple service groups with network resources
 Exercise A: Configuring LLT over UDP   Managing multiple public network interfaces
 Exercise B: Restoring the original configuration   MultiNICB and IPMultiNICB for UNIX
 Exercise C: Using a bonded interface for LLT   MultiNICA and IPMultiNIC for Linux

Labs

Exercise A: Using multiple network interfaces for increased availability
Exercise B: Observing NIC failover
Exercise C: Configuring a parallel network service group
Exercise D: Replacing NIC resources with Proxy resources
Exercise E: Restoring the original configuration

Labs

Exercise A: Verifying I/O fencing configuration
Exercise B: Verifying data disks for I/O fencing
Exercise C: Testing protection from data corruption
Exercise D: Observing response to system fault
Exercise E: Observing response to interconnect failure
Exercise F: Configuring SCSI3 disk-based fencing in a VCS cluster

Labs

Exercise A: Installing a single-node VCS cluster
Exercise B: Configuring a single-node CP server
Exercise C: Verifying the CP server configuration
Exercise D: Configuring for I/O fencing with a CP server
Exercise E: Testing CP server communication failure
Exercise F: Testing CP server caching
Exercise G: Restoring the original configuration

Labs

Exercise A: Configuring CP server on a VCS cluster
Exercise B: Verifying the clustered CP server configuration
Exercise C: Modifying the fencing configuration on the application cluster
Exercise D: Testing CP server failover and communication failure
Exercise E: Restoring the original configuration

Global Clustering Architecture and Concepts
Global cluster architecture
Global cluster components
VCS features for global cluster management
Intercluster communication failure

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

Labs

Exercise A: Configuring notification and event triggers
Exercise B: Testing local failover
Exercise C: Testing intercluster failover with ClusterFailOverPolicy set to Manual
Exercise D: Testing intercluster failover with ClusterFailOverPolicy set to Connected
Exercise E: Testing intercluster failover with ClusterFailOverPolicy set to Auto
Exercise F: Restoring the original configuration

Administering Campus Clusters
Campus clustering solutions with InfoScale
Preparing to set up a campus cluster configuration
Configuring Storage Foundation for campus clustering
Configuring a VCS service group for campus clusters
Testing site awareness
Failure scenarios with campus clusters
Optional: Legacy campus clustering

Implementing Disk-Based I/O Fencing
Data protection requirements
I/O fencing concepts
I/O fencing operations
I/O fencing implementation
Data Protection Fencing configuration

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

Administering Fencing Configurations
Installing and configuring clustered CP servers
Administering CPS
Administering disk-based I/O fencing
Configuring preferred fencing

Disaster Recovery

Labs

Exercise A: Preparing the lab environment for global clustering
Exercise B: Configuring a local service group for the application

Labs

Exercise A: Configuring the global cluster option
Exercise B: Securing communication between the wide-area connectors
Exercise C: Linking clusters
Exercise D: Verifying DNS server access from cluster systems
Exercise E: Configuring a global service group

Labs

Exercise A: Testing dynamic DNS updates
Exercise B: Adding another Icmp heartbeat link

Notification and Failover Behavior in a Global Cluster

Labs

Exercise A: Reviewing the lab environment
Exercise B: Configuring site awareness at the Storage Foundation level
Exercise C: Configuring the campus cluster
Exercise D: Testing service group failover in a campus cluster

Session Dates

Aikataulutamme kiinnostuksen mukaan. <u>Ota yhteyttä</u>

Additional Information

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