



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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

**CODE:** VER\_ISA-7.3 AA I      **LENGTH:** 40 Hours (5 dage)      **PRICE:** kr 25,000.00

## 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
  - Exercise A: Adding hosts to VIOM
  - Exercise B: Using SORT
  - Exercise C: Verifying the installed clustering software
  - Exercise D: Understanding cluster memberships and communication
  - Exercise E: Getting familiar with the cluster configuration
- 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 for UNIX
- MultiNICA and IPMultiNIC for Linux

Labs		Implementing Disk-Based I/O Fencing
Exercise A: Using multiple network interfaces for increased availability		Data protection requirements
Exercise B: Observing NIC failover		I/O fencing concepts
Exercise C: Configuring a parallel network service group		I/O fencing operations
Exercise D: Replacing NIC resources with Proxy resources		I/O fencing implementation
Exercise E: Restoring the original configuration		Data Protection Fencing configuration
Labs		Implementing Coordination Point Server
Exercise A: Verifying I/O fencing configuration		Coordination point concepts
Exercise B: Verifying data disks for I/O fencing		Server-based fencing architecture
Exercise C: Testing protection from data corruption		CPS operations
Exercise D: Observing response to system fault		Installing and configuring a CP server
Exercise E: Observing response to interconnect failure		Configuring I/O fencing with CPS
Exercise F: Configuring SCSI3 disk-based fencing in a VCS cluster		Coordination point agent
Labs		
Exercise A: Installing a single-node VCS cluster		
Exercise B: Configuring a single-node CP server		
Exercise C: Verifying the CP server configuration	Administering Fencing Configurations	
Exercise D: Configuring for I/O fencing with a CP server	Installing and configuring clustered CP servers	
Exercise E: Testing CP server communication failure	Administering CPS	
Exercise F: Testing CP server caching	Administering disk-based I/O fencing	
Exercise G: Restoring the original configuration	Configuring preferred fencing	
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	Disaster Recovery	
Global Clustering Architecture and Concepts		
Global cluster architecture		
Global cluster components	Labs	
VCS features for global cluster management	Exercise A: Preparing the lab environment for global clustering	
Intercluster communication failure	Exercise B: Configuring a local service group for the application	
	Labs	
Configuring a Global Cluster	Exercise A: Configuring the global cluster option	
Configuring the Global Cluster Option	Exercise B: Securing communication between the wide-area connectors	
Linking clusters	Exercise C: Linking clusters	
Configuring a global service group	Exercise D: Verifying DNS server access from cluster systems	
Managing dynamic IP address updates	Exercise E: Configuring a global service group	
Managing a Global Cluster	Labs	
Managing clusters in a global cluster environment	Exercise A: Testing dynamic DNS updates	
Managing global cluster heartbeats	Exercise B: Adding another Icmp heartbeat link	
Managing global service groups	Notification and Failover Behavior 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		
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	Labs	
Configuring a VCS service group for campus clusters	Exercise A: Reviewing the lab environment	
Testing site awareness	Exercise B: Configuring site awareness at the Storage Foundation level	
Failure scenarios with campus clusters	Exercise C: Configuring the campus cluster	
Optional: Legacy campus clustering	Exercise D: Testing service group failover in a campus cluster	

## Session Dates

På anmodning. [Kontakt os venligst](#)

## Yderligere Information

Denne træning er også tilgængelig som træning på stedet. Kontakt os for at finde ud af mere.