



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# InfoScale Availability 7.0 for UNIX: Administration

<b>CODE:</b>	<b>LENGTH:</b>	<b>PRICE:</b>
VER_ISA7.0U	40 Hours (5 days)	kr33,000.00

## Description

The Veritas InfoScale Availability 7.0 for UNIX: Administration course is designed for the IT professional tasked with installing, configuring, and maintaining Veritas Cluster Server (VCS) clusters. This five day, instructor-led, hands-on class covers how to use InfoScale Availability to manage applications in a high availability environment. After gaining the fundamental skills that are needed to manage a highly available application in a cluster, you can deploy InfoScale Availability in a lab environment to implement a sample cluster design.

## 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 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 systems administration; and recommended online training:  
 · Veritas InfoScale 7.0 for UNIX: Installation

## Programme

	High Availability Concepts		
	· High availability concepts	VCS Building Blocks	VCS Operations
	· Clustering concepts	· VCS terminology	· Common VCS tools and operations
	· High availability applications	· Cluster communication	· Service group operations
<b>Cluster Server Basics</b>	· Clustering prerequisites	· VCS architecture	· Resource operations
	Preparing Services for VCS		
VCS Configuration Methods	· Preparing applications for VCS	Online Configuration	
· Starting and stopping VCS	· Performing one-time configuration tasks	· Online service group configuration	
· Overview of configuration methods	· Testing the application service	· Adding resources	
· Online configuration	· Stopping and migrating a service	· Solving common configuration errors	
· Controlling access to VCS	· Collecting configuration information	· Testing the service group	

- Offline Configuration
  - Offline configuration examples
  - Offline configuration procedures
  - Solving offline configuration errors
  - Testing the service group
- Intelligent Monitoring Framework
  - IMF overview
  - IMF configuration
  - Faults and failover with intelligent monitoring
- Using 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 Databases
  - VCS database agents
  - Database preparation
  - The database agent for Oracle
  - Database failover behavior
  - Additional Oracle agent functions
- Configuring a Global Cluster
  - Linking clusters
  - Configuring global cluster heartbeats
  - Configuring a global service group
  - Managing dynamic IP address updates
- 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
- Configuring Notification
  - Notification overview
  - Configuring notification
  - Overview of triggers
- Cluster Server Additions
  - Cluster Communications
    - VCS communications review
    - Cluster interconnect configuration
    - Cluster startup
    - System and cluster interconnect failures
  - Changing the interconnect configuration
- Cluster Server Applications
  - Clustering Applications
    - Application service overview
    - VCS agents for managing applications
    - The Application agent
    - IMF support and prevention of concurrency violation
- Handling Resource Faults
  - VCS response to resource faults
  - Determining failover duration
  - Controlling fault behavior
  - Recovering from resource faults
  - Fault notification and event handling
- Global Cluster Architecture and Concepts
  - Global cluster architecture
  - Global cluster components
  - VCS features for global cluster management
- Global Clustering
  - Intercluster communication failure
- Managing a Global Cluster
  - Managing clusters in a global cluster environment
  - Managing global cluster heartbeats
  - Managing global service groups
  - Using VIOM for disaster recovery

## Options

Special agreements and discounts do not apply to this course.

## Session Dates

På begäran, [kontakta oss](#)

## Ytterligare information

[Denna utbildning finns också som utbildning på plats. Kontakta oss för mer information.](#)