



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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

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

## Description

The Veritas InfoScale Storage 7.3 for UNIX/Linux: Administration course is designed for the IT professional tasked with installing, configuring, and maintaining Veritas InfoScale Storage environments, including Volume Manager (VxVM), File System (VxFS), and Cluster File System (CFS).

This class covers how to use InfoScale Storage to manage disks, disk groups, and volumes by using a variety of InfoScale Storage user interfaces, including the Veritas InfoScale Operations Manager (VIOM) Web console. You learn the basics of online file system administration and recovery from disk failures. In addition, you learn about data replication using Veritas File Replicator and Veritas Volume Replicator. You also learn how to configure Veritas Cluster Volume Manager and Veritas Cluster File System.

## 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 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 Linux systems administration

## Programme

Cluster Server Basics  
High 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

## Cluster Server AdditionsHandling 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

#### Global Clustering Global Cluster Architecture and Concepts

- Global cluster architecture
- Global cluster components
- VCS features for global cluster management
- Intercluster communication failure

#### Configuring a Global Cluster

- Linking clusters
- Configuring global cluster heartbeats
- 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
- Using VIOM for disaster recovery

#### 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

## Session Dates

On request. Please [contact us](#)

## Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)