



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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# Veritas InfoScale Availability 7.4.2 for UNIX/Linux: Administration

**CODE:** VER\_IAU\_A      **LENGTH:** 40 Hours (5 days)      **PRICE:** £2,800.00

## Description

The Veritas InfoScale Availability 7.0 for Linux: 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 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

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

Online service group configuration	Offline configuration examples	
Adding resources	Offline configuration procedures	Notification overview
Solving common configuration errors	Solving offline configuration problems	Configuring notification
Testing the service group	Testing the service group	Overview of triggers
Offline Configuration	Configuring Notification	Cluster Server Additions Handling Resource Faults
VCS response to resource faults		
Determining failover duration		VCS communications review
Controlling fault behavior	IMF overview	Cluster interconnect configuration
Recovering from resource faults	IMF configuration	Joining the cluster membership
Fault notification and event handling	Faults and failover with intelligent monitoring	Changing the interconnect configuration
Intelligent Monitoring Framework	Cluster Communications	Cluster Server Applications
	Data protection requirements	
	I/O fencing concepts	Application service overview
	I/O fencing operations	VCS agents for managing applications
	I/O fencing implementation	The Application agent
	Fencing configuration	IMF support and prevention of concurrency violation
Using I/O Fencing for Application Data Integrity	Clustering Applications	Clustering Databases
VCS database agents		
Database preparation		Global cluster architecture
The database agent for Oracle		Global cluster components
Database failover behavior		VCS features for global cluster management
Additional Oracle agent functions		Intercluster communication failure
Global Clustering	Global Cluster Architecture and Concepts	Configuring a Global Cluster
Linking clusters	Managing clusters in a global cluster environment	
Configuring global cluster heartbeats	Managing global cluster heartbeats	
Configuring a global service group	Managing global service groups	
Managing dynamic IP address updates	Using VIOM for disaster recovery	
Managing a Global Cluster	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.](#)