ЛГГОW | Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Veritas InfoScale Availability 7.4.2 for UNIX/Linux: Administration

CODE:	LENGTH:	PRICE:
VER_IAU_A	40 Hours (5 days)	£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
		Preparing applications for VCS
	Starting and stopping VCS	Performing one-time configuration tasks
Common VCS tools and operations	Overview of configuration methods	Testing the application service
Service group operations	Online configuration	Stopping and migrating an application service
Resource operations	Controlling access to VCS	Collecting configuration information
VCS Configuration Methods	Preparing Services for VCS	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 <u>Contact Us</u>

Additional Information

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