



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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# Veritas InfoScale Storage 7.3 for UNIX/Linux: Administration

**CODE:**

VER\_ISS-7.3 A-U

**LENGTH:**

40 Hours (5 days)

**PRICE:**

£2,800.00

## Description

The Veritas InfoScale Storage 7.0 for Linux: Administration course is designed for the IT professional tasked with installing, configuring, and maintaining the Veritas InfoScale Storage environments, including Volume Manager (VxVM), File System (VxFS), and Cluster File System (CFS).

This five day, instructor-led, hands-on 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:

- Create, configure, and manage disks, disk groups, and volumes.

- Administer file systems.
- Manage components in the VxVM architecture.
- Manage multiple paths to disk devices.
- Identify types of disk failures and how to resolve them.
- Describe concepts and components specific to Veritas Replicator, and Veritas File Replicator.
- Configure a CFS cluster according to a specified sample design.
- Configure shared disk groups and volumes.
- Configure shared file systems.
- Share local disks among systems in a 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 Storage.

## Prerequisites

Knowledge of and hands-on experience with Linux systems administration.

## Programme

### Virtual Objects

- Operating system storage devices and virtual data storage
- Volume Manager storage objects

### Storage Foundation Basics · VxVM volume layouts and RAID levels

### Creating a Volume and File System

- Preparing disks and disk groups for volume creation
  - Creating a volume and adding a file system
  - Displaying disk and disk group information
  - Displaying volume configuration information
  - Removing volumes, disks, and disk groups
- Working with Volumes with Different Layouts
    - Volume layouts
    - Creating volumes with various layouts
    - Allocating storage for volumes

Making Configuration Changes		Administering File Systems
· Administering mirrored volumes	· Resizing a volume and a file system	· Benefits of using Veritas File System
· Moving data between systems	· Renaming VxVM objects	· Using Veritas File System commands
Dynamic Multi-Pathing		Logging in VxFS
· Managing components in the VxVM architecture	· Discovering disk devices	· Controlling file system fragmentation
· Managing multiple paths to disk devices	· Managing hot relocation at the host level	· Using thin provisioning disk arrays
Resolving Hardware Problems	· How does VxVM interpret failures in hardware?	Storage Foundation Managing Devices
· Recovering disabled disk groups	· Resolving disk failures	Dynamic Multi-Pathing for VMware
· Managing hot relocation at the host level	Cluster File System	DMP in a VMware ESX/ESXi environment
Cluster Volume Manager	· Cluster File System concepts	· Managing DMP for VMware
· VxVM and CVM overview	· Data flow in CFS	· Performance monitoring and tuning
· CVM concepts	· Group Lock Manager	Cluster File System Architecture
· CVM configuration	· Administering CFS	· CFS overview
		· CFS architecture
		· CFS communication
		Storage Foundation Cluster File System
		Flexible Storage Sharing
		· Understanding Flexible Storage Sharing
		· FSS storage objects

## Session Dates

On request. Please [Contact Us](#)

## Additional Information

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