

Veritas InfoScale 7.1 Fundamentals for UNIX/Linux: Administration

COURSE DESCRIPTION

The *Veritas InfoScale 7.1 Fundamentals for UNIX/Linux Administration* course is designed for the IT professional who wants an overview of the Veritas InfoScale Storage and Veritas InfoScale Availability products.

This five-day class is a condensed version of the five day *Veritas InfoScale Storage 7.1 for UNIX/Linux: Administration* course and the five day *Veritas InfoScale Availability 7.1 for UNIX/Linux: Administration* course. This is a subset of the two courses, and it covers absolute basics of the two products InfoScale Storage 7.1 and InfoScale Availability 7.1.

This course will NOT prepare you for the certification exams* or the Advanced courses of both the products.**

* Certification exams:
Administration of Veritas InfoScale Storage 7.1 for UNIX/Linux Exam
Administration of Veritas InfoScale Availability 7.1 for UNIX/Linux Exam

** Advanced courses:
Veritas InfoScale Storage 7.x for UNIX/Linux: Advanced Administration
Veritas InfoScale Availability 7.x for UNIX/Linux: Advanced Administration I & II

Delivery Method

This course is available in the following delivery methods:

- Instructor-led training (ILT)
- Virtual Academy (VA)

Duration

Five days

Course Objectives

By the completion of this course, you will be able to:

- Install and configure Veritas InfoScale Enterprise.
- Configure and manage disks, disk groups, and volumes.
- Administer file systems.
- Create a cluster.
- Configure service groups and resources.
- Implement and verify failover and failback capability for application, storage, and network services.

Who Should Attend

This course is for UNIX/Linux system administrators, system engineers, technical support personnel, network/SAN administrators, and systems

integration/development staff who want an overview of the Veritas Storage Foundation and Veritas Cluster Server products.

Prerequisites

- Knowledge of UNIX system administration
- Veritas InfoScale 7.1 for UNIX/Linux: Installation

Hands-On

This course includes practical lab exercises that enable you to test your new skills and begin to transfer those skills into your working environment.

COURSE OUTLINE

PART 1: Veritas InfoScale Storage 7.1 for UNIX/Linux: Administration

InfoScale Storage Basics

Virtual Objects

- Operating system storage devices and virtual data storage
- Volume Manager (VxVM) storage objects
- 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 mirrored volumes
- Resizing a volume and a file system
- Moving data between systems
- Renaming VxVM objects

Administering File Systems

- Benefits of using Veritas File System
- Using Veritas File System commands
- Logging in VxFS
- Controlling file system fragmentation
- Using thin provisioning disk arrays

PART 2: Veritas InfoScale Availability 7.1 for UNIX/Linux: Administration

InfoScale Availability 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

InfoScale Availability Additions

Handling 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