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Veritas InfoScale Fundamentals 7.3 for UNIX/Linux: Administration

CODE:	LENGTH:	PRICE:
VER_IS-7.3 A-U	40 Hours (5 dage)	kr 25,000.00

Description

The Veritas InfoScale 7.3 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 7.3 for UNIX/Linux: Administration course and the five-day Veritas InfoScale Availability 7.3 for UNIX/Linux: Administration course. This is a subset of the two courses, and it covers the absolute basics of the two products InfoScale Storage 7.3 and InfoScale Availability 7.3.

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 7.3 for UNIX/Linux Exam
Administration of Veritas InfoScale Availability 7.3 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

Hands-On
This course includes practical hands-on exercises that enable you to test your new skills and begin to transfer them into your working environment.

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.

Audience

This course is designed for UNIX/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 and InfoScale Availability.

Prerequisites

Knowledge of UNIX system administration.

Programme

PART 1: Veritas InfoScale Storage 7.3 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

Labs
 Exercise A: Creating disk groups, volumes and file systems: CLI
 Exercise B: Removing volumes and disks: CLI
 Exercise C: Destroying disk data using disk shredding: CLI
 Exercise D: (Optional) Creating disk groups, volumes, and file systems: VIOM
 Exercise E: (Optional) Removing volumes, disks, and disk groups: VIOM

Working with Volumes with Different Layouts
 Volume layouts
 Creating volumes with various layouts
 Allocating storage for volumes

Labs
 Exercise A: Creating volumes with different layouts: CLI
 Exercise B: (Optional) Creating volumes with user defaults: CLI

Making Configuration Changes
 Administering mirrored volumes
 Resizing a volume and a file system
 Moving data between systems
 Renaming VxVM objects

Labs
 Exercise A: Administering mirrored volumes
 Exercise B: Resizing a volume and file system
 Exercise C: Renaming a disk group
 Exercise D: Moving data between systems
 Exercise E: (Optional) Resizing a file system only

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

Labs
 Exercise A: Preparing for "Defragmenting a Veritas File System" exercise
 Exercise B: Defragmenting a Veritas File System
 Exercise C: Using SmartMove
 Exercise D: Observing thin reclamation

PART 2: Veritas InfoScale Availability 7.3 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

Labs
 Exercise A: Displaying cluster information
 Exercise B: Displaying status and attributes
 Exercise C: Performing service group operations
 Exercise D: Manipulating resources

VCS Configuration Methods
 Starting and stopping VCS
 Overview of configuration methods
 Online configuration
 Controlling access to VCS

Labs
 Exercise A: VCS configuration state and stopping VCS
 Exercise B: Configuring automatic backup of the VCS configuration
 Exercise C: Setting non default VCS stop options

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

Labs
 Exercise A: Configuring and examining storage for the service
 Exercise B: Examining the application
 Exercise C: Manually starting and stopping the application

Online Configuration
 Online service group configuration
 Adding resources
 Solving common configuration errors
 Testing the service group

Labs
 Exercise A: Creating a service group for the loopy application
 Exercise B: Configuring resources for the loopy application
 Exercise C: Performing a virtual fire drill on the service group
 Exercise D: Testing the service group
 Exercise E: Setting resources to critical
 Exercise F: (Optional) Examining Veritas File System locking by VCS

Offline Configuration
 Offline configuration examples
 Offline configuration procedures
 Solving offline configuration problems
 Testing the service group

Labs
 Exercise A: Editing a copy of the main.cf file using a system editor
 Exercise B: Stopping VCS
 Exercise C: Restarting VCS using the edited main.cf file

Configuring Notification
 Notification overview
 Configuring notification
 Overview of triggers

Labs
 Exercise A: Configuring and testing the notifier using VIOM
 Exercise B: Configuring trigger scripts

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

Labs
 Exercise A: Observing non-critical resource faults
 Exercise B: Observing critical resource faults
 Exercise C: (Optional) Observing faults in frozen service groups
 Exercise D: (Optional) Observing ManageFaults behavior
 Exercise E: (Optional) Observing restart limit behavior

Intelligent Monitoring Framework
 IMF overview
 IMF configuration
 Faults and failover with intelligent monitoring

Labs
 Exercise A: Examining IMF monitoring on a resource
 Exercise B: (Optional) Examining the IMF default configuration

Cluster Communications
 VCS communications review
 Cluster interconnect configuration
 Joining the cluster membership
 Changing the interconnect configuration

Labs
 Exercise A: Reconfiguring LLT
 Exercise B: Observing jeopardy membership

Session Dates

På anmodning. Kontakt os venligst

Yderligere Information

Denne træning er også tilgængelig som træning på stedet. Kontakt os for at finde ud af mere.