Enterprise Computing Solutions - Education Services

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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.