Enterprise Computing Solutions - Education Services

OFERTA FORMATIVA

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Veritas InfoScale 7.4.2 Fundamentals for UNIX/Linux: Administration

CÓDIGO:	DURACIÓN:	Precio:
VER_IS-7.4.2 A-U	40 Hours (5 días)	€2,500.00

Description

The Veritas InfoScale 7.4.2 Fundamentals for UNIX/Linux Administration course is designed for the IT professional who desires 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 7.4.2 for UNIX/Linux: Administration course and the five-day Veritas InfoScale Availability 7.4.2 for UNIX/Linux: Administration course. This course is a subset of the two courses, and it covers the absolute basics of the two products - InfoScale Storage 7.4.2 and InfoScale Availability 7.4.2.
This course includes practical hands-on exercises that enable you to test your new skills and begin to transfer them into your working environment.

Objetivos

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.

Público

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.

Requisitos Previos

Knowledge of UNIX system administration.

Programa

PART 1: Veritas InfoScale Storage 7.4.2 for UNIX/Linux: Administration*InfoScale Storage Basics*
Installing and Licensing InfoScale• Introducing the Veritas InfoScale product suite• Tools for installing InfoScale products
• InfoScale Cloud offerings• Installing Veritas InfoScale Storage• Installing Veritas InfoScale Availability
• Upgrading Veritas InfoScale Enterprise**Labs: Introduction**• Exercise A: Viewing the virtual machine configuration
• Exercise B: Displaying networking information**Labs: Installation of InfoScale Storage**
• Exercise A: Verifying that the system meets installation requirements
• Exercise B: Installing InfoScale Storage and configuring Storage Foundation
• Exercise C: Performing post-installation and version checks**Virtual Objects**
• Operating system storage devices and virtual data storage• Volume Manager (VxVM) storage objects
• VxVM volume layouts and RAID levels**Labs**• Exercise A: Text-based VxVM menu interface
• Exercise B: Accessing CLI commands
• Exercise C: Adding managed hosts (sys1 and sys2) to the VIOM Management Server (mgt)**Creating a Volume and File System**
• Volume layouts• Creating volumes with various layouts• Allocating storage for volumes
• 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: Text-based VxVM menu interface• Exercise B: Accessing CLI commands
• Exercise C: Adding managed hosts (sys1 and sys2) to the VIOM Management Server (mgt)**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**PART 2: Veritas InfoScale Availability 7.4.2 for UNIX/Linux: Administration**
*InfoScale Availability Basics***High Availability Concepts**• High availability concepts• Clustering concepts
• High availability application services• Clustering prerequisites**Labs:**
• Exercise A: Installing InfoScale Enterprise using the Common Product Installer (CPI)]
• Exercise B: Running a post-installation check• Exercise C: Adding cluster systems to VIOM as managed hosts
VCS Building Blocks• VCS terminology• Cluster communication• VCS architecture• Multi version cluster**Labs:**
• Exercise A: Displaying cluster information• Exercise B: Displaying status and attributes
• Exercise C: Performing service group operations• Exercise D: Manipulating resources**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 a 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• Cluster startup• System and cluster interconnect failure
• Changing the interconnect configuration**Labs**• Exercise A: Reconfiguring LLT• Exercise B: Observing jeopardy membership

Fechas Programadas

A petición. Gracias por contactarnos.

Información Adicional

Esta formación también está disponible en modalidad presencial. Por favor contáctenos para más información.