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Veritas InfoScale Availability 7.3 for UNIX/Linux: Advanced Administration I

CODE:

VER_ISA-7.3 AA I

LENGTH:

40 Hours (5 dage)

PRICE:

kr 25,100.00

Description

The Veritas InfoScale Availability 7.3 for UNIX/Linux: Advanced Administration I course is designed for the IT professional tasked with managing, configuring, and using clusters in an enterprise environment.

This class covers how to set up advanced networking and fencing configurations, as well as disaster recovery solutions.

Note: This course does not teach basic clustering concepts and is a follow-on course from the Veritas InfoScale Availability 7.3 for UNIX/Linux: Administration course.

Objectives

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

Configure advanced networking environments.

Implement advanced fencing configurations.

Configuring and manage disaster recovery environments and campus clusters.

Audience

This course is for system administrators, architects, and technical support personnel who are responsible for implementing, managing, and supporting clusters in complex enterprise environments.

Prerequisites

You must have administrator-level experience with UNIX or Linux, TCP/IP networking, and clustering using Veritas Cluster Server.

Programme

Reviewing an Existing VCS Environment

Understanding the VCS architecture

Building the cluster configuration

Advanced Networking Configuring VCS

Labs

Exercise A: Adding hosts to VIOM

Exercise B: Using SORT

Exercise C: Verifying the installed clustering software

Exercise D: Understanding cluster memberships and communication

Exercise E: Getting familiar with the cluster configuration

Configuring LLT

LLT over bonded interfaces

LLT over UDP

LLT over RDMA

LLT with different network interfaces

Manually configuring LLT

Using Multiple Public Network Interfaces

Configuring multiple service groups with network resources

Managing multiple public network interfaces

MultiNICB and IPMultiNICB for UNIX

MultiNICA and IPMultiNIC for Linux

Labs

Exercise A: Configuring LLT over UDP

Exercise B: Restoring the original configuration

Exercise C: Using a bonded interface for LLT

Labs	Implementing Disk-Based I/O Fencing
Exercise A: Using multiple network interfaces for increased availability	Data protection requirements
Exercise B: Observing NIC failover	I/O fencing concepts
Exercise C: Configuring a parallel network service group	I/O fencing operations
Exercise D: Replacing NIC resources with Proxy resources	I/O fencing implementation
Exercise E: Restoring the original configuration	Data Protection Fencing configuration
Labs	Implementing Coordination Point Server
Exercise A: Verifying I/O fencing configuration	Coordination point concepts
Exercise B: Verifying data disks for I/O fencing	Server-based fencing architecture
Exercise C: Testing protection from data corruption	CPS operations
Exercise D: Observing response to system fault	Installing and configuring a CP server
Exercise E: Observing response to interconnect failure	Configuring I/O fencing with CPS
Exercise F: Configuring SCSI3 disk-based fencing in a VCS cluster	Coordination point agent
Labs	
Exercise A: Installing a single-node VCS cluster	
Exercise B: Configuring a single-node CP server	
Exercise C: Verifying the CP server configuration	Administering Fencing Configurations
Exercise D: Configuring for I/O fencing with a CP server	Installing and configuring clustered CP servers
Exercise E: Testing CP server communication failure	Administering CPS
Exercise F: Testing CP server caching	Administering disk-based I/O fencing
Exercise G: Restoring the original configuration	Configuring preferred fencing
Labs	
Exercise A: Configuring CP server on a VCS cluster	
Exercise B: Verifying the clustered CP server configuration	
Exercise C: Modifying the fencing configuration on the application cluster	
Exercise D: Testing CP server failover and communication failure	
Exercise E: Restoring the original configuration	Disaster Recovery
Global Clustering Architecture and Concepts	
Global cluster architecture	
Global cluster components	Labs
VCS features for global cluster management	Exercise A: Preparing the lab environment for global clustering
Intercluster communication failure	Exercise B: Configuring a local service group for the application
	Labs
Configuring a Global Cluster	Exercise A: Configuring the global cluster option
Configuring the Global Cluster Option	Exercise B: Securing communication between the wide-area connectors
Linking clusters	Exercise C: Linking clusters
Configuring a global service group	Exercise D: Verifying DNS server access from cluster systems
Managing dynamic IP address updates	Exercise E: Configuring a global service group
Managing a Global Cluster	Labs
Managing clusters in a global cluster environment	Exercise A: Testing dynamic DNS updates
Managing global cluster heartbeats	Exercise B: Adding another lcmp heartbeat link
Managing global service groups	Notification and Failover Behavior in a Global Cluster
Notification in a global cluster	
Failover behavior of a global service group	
Cluster state transitions	
Simulating global clusters using the VCS Simulator	
Labs	
Exercise A: Configuring notification and event triggers	
Exercise B: Testing local failover	
Exercise C: Testing intercluster failover with ClusterFailOverPolicy set to Manual	
Exercise D: Testing intercluster failover with ClusterFailOverPolicy set to Connected	
Exercise E: Testing intercluster failover with ClusterFailOverPolicy set to Auto	
Exercise F: Restoring the original configuration	
Administering Campus Clusters	
Campus clustering solutions with InfoScale	
Preparing to set up a campus cluster configuration	
Configuring Storage Foundation for campus clustering	Labs
Configuring a VCS service group for campus clusters	Exercise A: Reviewing the lab environment
Testing site awareness	Exercise B: Configuring site awareness at the Storage Foundation level
Failure scenarios with campus clusters	Exercise C: Configuring the campus cluster
Optional: Legacy campus clustering	Exercise D: Testing service group failover in a campus cluster

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.