



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# Veritas InfoScale Availability 7.3 for UNIX/Linux: Advanced Administration II

<b>CODE:</b>	<b>LENGTH:</b>	<b>PRICE:</b>
VER_ISA-7.3 AA II	40 Hours (5 days)	Request Price

## Description

The Veritas InfoScale Availability 7.3 for UNIX/Linux: Advanced Administration II 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 service group and application configurations, manage system outages, and upgrade a cluster.

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:

- Set up service group dependencies and virtual Business services.
- Use triggers to customize VCS behavior.
- Reconfigure cluster memberships.
- Control and customize application startup, failover, and shutdown.
- Manage system outages and upgrade 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

- Managing Service Group Dependencies
  - Common application relationships
  - Service group dependencies
  - Service group dependency examples
  - Configuring service group dependencies

Service Groups Limitations of service group dependencies

Labs

- |  |   |
|--|---|
| Exercise A: Verifying the lab environment for service group dependency tests   | Using Virtual Business Services         |
| Exercise B: Understanding online global dependencies                           | Understanding Virtual Business Services |
| Exercise C: (Optional) Understanding online remote dependencies                | Configuring a virtual business services |
| Exercise D: (Optional) Understanding online local dependencies                 | Managing a virtual business service     |
| Exercise E: (Optional) Observing a multi-level service group dependency        | Disaster recovery support in VBS        |
| Exercise F: (Optional) Understanding dependencies with parallel service groups | Supporting a VBS environment            |

## Labs

Exercise A: Adding hosts to VIOM

Exercise B: Creating the Virtual Business Service (VBS) Using Triggers to Customize VCS Behavior

Exercise C: Verifying VBS Operations Understanding triggers

Exercise D: Understanding VBS Fault Handling Configuring triggers

Exercise E: Restoring the original configuration Using multiple trigger scripts

## Labs

Exercise A: Using the PreOnline service group trigger to set up an application

Exercise B: Using a PostOffline service group trigger

Exercise C: (Optional) Using multiple trigger scripts

Exercise D: (Optional) Comparing the use of trigger-related attributes at the service group or the resource level

## Reconfiguring Cluster Membership Labs

Removing a cluster node Exercise A: Verifying the lab environment

Adding a cluster node Exercise B: Manually removing a system from a running cluster—Phase 1

Merging clusters Exercise C: (Optional) Manually removing a system from a running cluster—Phase 2

Controlling Application Startup and Shutdown

Agent framework overview

Resource online and offline processes

Cluster startup

Startup rules and policies

## Applications Limits and prerequisites

### Labs

Exercise A: Verifying the lab environment

Exercise B: Testing order startup policy

Exercise C: Testing priority startup policy

Exercise D: Observing the impact of limits and prerequisites on service group startup

Controlling Application Failover

Failover rules and policies

Limits and prerequisites

Priority based failover

AdaptiveHA

### Labs

Exercise A: Preparing the lab environment

Exercise B: Testing priority failover policy with limits and prerequisites

Exercise C: Testing priority failover policy

Exercise D: Enabling priority-based failover with static load and capacity

Exercise E: Configuring AdaptiveHA

Customizing Application Failover Behavior

VCS response to resource faults

Other service group attributes affecting failover

Controlling failover with resource type attributes

### Labs

Exercise A: Preparing the lab environment

Exercise B: Observing faults in frozen service groups

Exercise C: Observing the impact of service group attributes related to fault handling

Exercise D: Controlling fault management at the resource level

Exercise E: Clearing service group faults automatically to enable failover

Exercise F: Observing the impact of resource type attributes related to fault handling

## Managing Applications in Docker Containers

Docker overview

Storage management for Docker

Using Veritas File System for Docker storage

Using Cluster File System for Docker storage

High availability for Docker

Disaster recovery for Docker

### Labs

Exercise A: Verifying the lab environment

Exercise B: Configuring a Docker container using a Veritas file system as persistent storage

Exercise C: Configuring high availability for the Docker container

Exercise D: Testing the Docker container service group

Exercise E: Restoring the original configuration

Systems and Clusters

## Managing System Outages

Differentiating between system shutdown and outage

Controlling cluster shutdown

Controlling applications during a system outage

### Labs

Exercise A: Verifying the lab environment

Exercise B: Observing the impact of the AutoDisabled attribute on service group operations

Exercise C: Testing the SysDownPolicy attribute

Exercise D: Using EngineShutdown to control hastop behavior

Exercise E: Observing the impact of a frozen system on service group and cluster operations

Upgrading InfoScale Availability

Planning to upgrade InfoScale

Online upgrade

Full upgrade

Rolling upgrade

Phased upgrade

Finding and installing InfoScale patches

Other upgrade considerations

Labs

Exercise A: Verifying the lab environment

Exercise B: Preparing for an upgrade

Exercise C: Performing a rolling upgrade from SFHA 6.2.1 to IS 7.3

Exercise D: (Optional) Using SORT to check for patches

## Session Dates

Ved forespørsel. Vennligst [kontakt oss](#)

## Tilleggsinformasjon

[Denne treningen er også tilgjengelig som trening på stedet. Kontakt oss for å finne ut mer.](#)