

## Veritas Volume Manager Operations

\*Group rates available – Inquire for more details\*

**Duration:** 20 hours

### **Objective**

Learn how to integrate, operate, and make the most of VERITAS Storage Foundation in a UNIX environment. This course provides instruction on operational management procedures for VERITAS Volume Manager (VxVM) and options such as VERITAS FlashSnap. In this training, you will learn how to install and configure VERITAS Volume Manager and how to manage disks, disk groups, and volumes by using the VERITAS graphical user interface and from the command line.

### **Audience**

This course is for UNIX system or network administrators, system engineers, technical support personnel, and system integration/development staff who will be installing, operating, or integrating VERITAS.

### **Prerequisites**

- Knowledge of UNIX system administration.
- This course includes practical exercises that allow you to test your new skills and begin to transfer them into your working environment.

### **Included Labs**

Labs to be provided by the trainer

### **Course Content**

#### **Virtual Objects**

- Physical Data Storage
- Virtual Data Storage
- Volume Manager Storage Objects
- Volume Manager RAID Levels

#### **Installation and Interfaces**

- Installation Prerequisites
- Adding License Keys
- VERITAS Software Packages
- Installing VxVM
- VxVM User Interfaces
- Installing and Starting VEA

- Managing the VEA Server

### Managing Disks and Disk Groups

- Naming Disk Devices
- Disk Configuration Stages
- Creating a Disk Group
- Viewing Disk and Disk Group Information
- Managing Disks
- Managing Disk Groups

### Creating Volumes

- Selecting a Volume Layout
- Creating a Volume
- Displaying Volume Layout Information
- Creating a Layered Volume
- Removing a Volume

### Configuring Volumes

- Administering Mirrors
- Adding a Log to a Volume
- Changing the Volume Read Policy
- Allocating Storage for Volumes
- Administering File Systems

### Reconfiguring Volumes Online

- Resizing a Volume
- Changing the Volume Layout
- Managing Volume Tasks
- Analyzing Volume Configurations with Storage Expert

### Encapsulation and Rootability

- Placing the Root Disk Under VxVM Control
- Creating an Alternate Boot Disk
- Removing the Root Disk from VxVM Control
- Upgrading to a New VxVM Version

### Recovery Essentials

- Maintaining Data Consistency
- Hot Relocation
- Managing Spare Disks
- Replacing a Disk

- Unrelocating a Disk
- Recovering a Volume
- Protecting the VxVM Configuration