



## Veritas Cluster Server Administration

The VERITAS Cluster Server course is designed for the IT professional tasked with installing, configuring, and maintaining VCS clusters. This instructor-led, hands-on class covers how to use VERITAS Cluster Server to manage applications in a high availability environment. After gaining the fundamental skills that are needed to manage a highly available application in a cluster, you will deploy VCS in a lab environment to implement a sample cluster design.

### VCS Building Blocks

- VCS Terminology
- Cluster Communication
- VCS Architecture

### Preparing a Site for VCS Implementation

- Hardware Requirements and Recommendations
- Software Requirements and Recommendations
- Preparing Installation Information

### Installing VCS

- Using the VERITAS Product Installer
- VCS Configuration Files
- Viewing the Default VCS Configuration
- Other Installation Considerations

### VCS Operations

- Managing Applications in a Cluster Environment
- Service Group Operations
- Using the VCS Simulator

### VCS Configuration Methods

- Starting and Stopping VCS
- Overview of Configuration Methods
- Online Configuration
- Offline Configuration
- Controlling Access to VCS

### Preparing Services for High Availability

- Preparing Applications for VCS
- One-Time Configuration Tasks
- Testing the Application Service
- Stopping and Migrating an Application Service

### Online Configuration

- Online Service Group Configuration
- Adding Resources
- Solving Common Configuration Errors
- Testing the Service Group

### Offline Configuration

- Offline Configuration Procedures
- Offline Configuration Practices and Tools
- Solving Offline Configuration Problems
- Testing the Service Group

### Sharing Network Interfaces

- Parallel Service Groups
- Sharing Network Interfaces
- Localizing Resource Attributes

### Configuring Notification

- Notification Overview
- Configuring Notification
- Using Triggers for Notification

### Configuring VCS Response to Resource Faults

- VCS Response to Resource Faults
- Determining Failover Duration
- Controlling Fault Behavior
- Recovering from Resource Faults
- Fault Notification and Event Handling

### Cluster Communications

- VCS Communications Review
- Cluster Membership
- Cluster Interconnect Configuration
- Joining the Cluster Membership
- Changing the Interconnect Configuration

### I/O Fencing

- Data Protection Requirements
- I/O Fencing Concepts and Components
- I/O Fencing Operations
- I/O Fencing Implementation
- Configuring I/O Fencing
- Stopping and Recovering Fenced Systems

### Troubleshooting

- Monitoring VCS
- Troubleshooting Guide
- Cluster Communication Problems
- VCS Engine Problems
- Service Group and Resource Problems
- Archiving VCS-Related Files

