

# VERITAS NetBackup™ 5.x for UNIX, Administration

## COURSE DESCRIPTION

### Delivery Method

Instructor-Led

### Duration

Five days

### Course Objectives

This course provides instruction on the functionality of VERITAS NetBackup 5.x software. This VERITAS NetBackup course is designed to give you knowledge of the general principles of using NetBackup to develop and implement a storage management strategy, including:

- Installing, configuring, and operating VERITAS NetBackup
- Managing VERITAS NetBackup using the graphical interfaces, commands, and scripts
- Providing service protection and recovery
- Using the Activity Monitor and logs to monitor VERITAS NetBackup processes
- Tuning NetBackup for optimum performance in your backup environment

### Who Should Attend

This course is for system administrators, system engineers, technical support personnel, and system integration staff who will be responsible for the design, performance optimization, and troubleshooting of VERITAS NetBackup.

### Prerequisites

Students should be familiar with the administration and configuration of the platforms that are covered by the course.

### Hands-On

This course includes practical exercises that enable you to test your new skills and begin to transfer them into your working environment.

### On Demand Modules

This course features three on-demand modules which extend the learning experience beyond the classroom. These modules address the following topics:

- Supporting Disaster Recovery
- Product Overview
- Installing Patches and Upgrades

## COURSE OUTLINE

### NetBackup Essentials

NetBackup Products  
 NetBackup Architecture  
 NetBackup Management Domains  
 NetBackup Terminology  
 Backup Components  
 NetBackup 5.0 Options

### Installing NetBackup

Installation Paths  
 Preinstallation Tasks  
 NetBackup Licensing  
 Catalog Space Requirements  
 Installing NetBackup  
 Important NetBackup Directories  
 Configuring NetBackup Host Properties  
 Verifying NetBackup Installation  
 Troubleshooting Common Installation Issues

### Configuring Devices

Configuring Devices  
 Configuring Shared Drives  
 Monitoring Devices  
 Cleaning Devices  
 Additional Considerations  
 Troubleshooting Devices

### Configuring Storage Units

What Is a Storage Unit?  
 Configuring Storage Units  
 Configuring Storage Unit Groups  
 Troubleshooting Common Storage Unit Issues

### Configuring Media

Configuring Volume Pools  
 Configuring Volumes  
 Media Management

### Configuring Policies: Attributes and Schedules

Policy Directives  
 Policy Configuration Methods  
 Viewing and Configuring Policy Attributes  
 Important Points About Policy Attribute Settings  
 Setting Schedule Details  
 Troubleshooting

## **COURSE OUTLINE**

*continued*

### **Configuring Policies: Backup Selections and Clients**

- Backup Selections
- Exclude and Include Lists
- Adding Clients to a Policy
- Installing Client Software
- Troubleshooting

### **Performing Manual Backups**

- Invoking Backups from the Master Server
- Performing Manual Backups
- Monitoring and Controlling Backup Operations
- Verifying Successful Completion of Backup Jobs
- Troubleshooting Backup Operation Problems

### **Performing Restores**

- Who Can Perform a Restore?
- How Restores Work
- Performing Restore Operations
- Troubleshooting Restores

### **Managing Media**

- Media Search Order
- Monitoring Media
- How Media Manager Handles Media Problems
- Duplicating Images
- Creating Inline Copies
- Importing Images
- Verifying Backup Images
- Troubleshooting Media-Related Issues

### **Performing Catalog Backups and Restores**

- Protecting the NetBackup Catalogs
- Catalog Backup Methods
- Recovering the NetBackup Catalogs
- Moving the Images Catalog
- Troubleshooting Common Catalog Issues

### **Using NetBackup Scripts**

- Initiating Application Events
- Notify Scripts: Master Server
- Notify Scripts: Media Server
- Notify Scripts: Client
- Sample Scripts

### **Process Flow**

- NetBackup Processes Overview
- Media Manager Processes Overview
- Additional Process Considerations
- Monitoring Processes
- Managing Processes
- NetBackup Communications
- Troubleshooting Processes and Daemons

### **Performing User Backups**

- User-Directed Operations Overview
- Performing User-Directed Backups and Archives
- Troubleshooting User-Directed Backup and Archive Issues

### **Using Debug Logs and Reports**

- Configuring NetBackup Debug Logs
- Types of Logs
- Interpreting Debug Log Entries
- Analysis Tools
- NetBackup Reports

### **Tuning NetBackup**

- Planning an Efficient Backup Strategy
- Multiple Data Streams
- Multiplexing
- NetBackup Data Buffers
- Timeouts Properties
- Customizing Client Properties