

## Veritas NetBackup 6.5 for Solaris, Administration

### COURSE DESCRIPTION

This *Veritas NetBackup 6.5 Administration* course provides the IT professional with instruction on the functionality of Veritas NetBackup 6.5 software. This course covers the general principles of using NetBackup to develop and implement a storage management strategy, including how to:

- Install, configure, and operate NetBackup 6.5.
- Manage NetBackup using the graphical interfaces, commands, and scripts.
- Provide service protection and recovery.
- Use the Activity Monitor and logs to monitor NetBackup jobs.

### Delivery Method

Instructor-led

### Duration

Five days

### Course Objectives

This course provides instruction on NetBackup 6.5, and it covers how to develop and implement a storage management strategy. At the completion of the course, you will be able to:

- Discuss the challenges of performing backups in today's enterprises.
- Describe the function of the master, media, and EMM servers and clients.
- Diagram the NetBackup product architecture.
- Define common terms used in the NetBackup product.
- Describe how NetBackup backs up and restores data.
- Identify NBU options and agents.
- Install and verify NetBackup and NOM.
- Use the NBU Administration Console and NOM.
- Add robots and drives.
- Configure storage units, storage unit groups, volumes, and volume pools.
- Manage volumes.
- Configure policy attributes and schedules.
- Identify the available policy types.
- Define which files, directories, and clients to back up.
- Monitor and troubleshoot backup jobs.
- Restore files and monitor restore jobs.
- Describe how NetBackup selects which media to use.
- Distribute client software.
- Verify, duplicate, expire, and import backup images.
- Back up and recover NBU catalogs.

- Use NetBackup LiveUpdate to perform maintenance on your NetBackup environment.
- Configure multiple data streams, multiplexing, synthetic backups, true image restores, and checkpoint restart.
- Configure media groups and media ownership for media sharing.
- Configure and manage disk pools.
- Configure advanced staging using storage lifecycle policies.
- Identify master server, EMM, media server, and client processes or services.
- Identify the resources available for troubleshooting.

### Who Should Attend

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

### COURSE OUTLINE

#### NetBackup Essentials

- The Challenges of Enterprise Backup
- The NetBackup Environment
- NetBackup Concepts
- NetBackup Options and Agents

#### Installing and Configuring NetBackup

- Preinstallation Considerations
- Installing and Verifying Your NetBackup Application
- Installing NetBackup Clients
- Configuring NetBackup
- Upgrade Considerations
- Troubleshooting NetBackup Installation Issues

#### Introduction to NetBackup Interfaces

- The NetBackup Administration Console
- The Command-Line Interface (CLI)
- NetBackup Operations Manager (NOM)
- The Reporting Tools Table

### **Configuring Tape Devices**

- Shared Tape Drives
- Adding Robots
- Adding Tape Drives
- Monitoring Shared Tape Drives
- Monitoring and Maintaining Devices
- Troubleshooting Devices

### **Configuring Storage Units**

- Storage Units
- Configuring Storage Units
- Troubleshooting Storage Units

### **Configuring Volumes**

- Configuring Volume Pools
- Configuring Volumes
- Managing Physical Volumes
- Troubleshooting Volumes

### **Configuring Policies**

- Creating and Configuring Policy Attributes
- Creating a Policy Schedule
- Adding Clients to a Policy
- Creating Backup Selections
- Troubleshooting Policies

### **Performing Backups and Restores**

- Performing Manual Backup Operations
- Performing Restore Operations
- Troubleshooting Problems with Backups and Restores

### **Managing Media**

- Media States
- How NetBackup Selects Media
- Determining Media Status
- Troubleshooting Media-Related Issues

### **Administrative Tasks and Challenges**

- Distributing Client Software
- Managing Images
- Backup Copies and Duplication
- Managing Busy Files

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

- NetBackup Catalogs
- Catalog Backups
- Manual Catalog Backup Configuration
- Disaster Recovery
- Troubleshooting and Reporting

### **Managing Software Updates**

- Introduction to NetBackup LiveUpdate
- Setting Up NetBackup LiveUpdate on UNIX
- Setting Up NetBackup LiveUpdate on Windows
- Completing the LiveUpdate Setup

- Using NetBackup LiveUpdate

### **Customizing Backup Policies**

- Using Multiple Data Streams
- Multiplexing Backup Images
- Specialized Backup Solutions
- Additional Policy Options

### **Managing Media Sharing**

- Introduction to Media Sharing
- Configuring Media Sharing
- Maximizing Tape Utilization
- SCSI Reservations

### **Using Disk Pools**

- Introduction to Disk Features
- Pooling Disk Resources
- Configuring Disk Pools
- Managing Disk Pools

### **Using Storage Lifecycles**

- Introduction to Storage Lifecycles
- Satisfying Storage Lifecycle Prerequisites
- Creating a Storage Lifecycle Policy
- Additional Storage Lifecycle Considerations
- A Storage Lifecycle Example

### **Working with Support**

- Support Resources
- NetBackup Processes, Services, and Daemons
- Enabling Debug Logs