

VERITAS NetBackup™ 5.x for Windows, 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 Microsoft Windows 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 Microsoft Windows NT or Windows 2000/2003 operating system.

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 List and Exceptions to the Exclude List
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
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 Services

Performing User Backups

User-Directed Operations Overview
Performing User-Directed Backups and Archives
Troubleshooting User-Directed Backups and Archives

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
Customizing Client Properties