

Veritas NetBackup 8.2: Administration

Introducing NetBackup

- Data protection and the NetBackup environment
- NetBackup concepts
- NetBackup Appliance Overview
- Using the NetBackup Administration Console
- Using the NetBackup web interface
- Using NetBackup OpsCenter
- NetBackup Installation

Labs:

- Exercise A: Introduction to your Lab on Demand (LOD) lab environment
- Exercise B: Installing NetBackup Software
- Exercise C: Exploring the NetBackup Administration Console
- Exercise D: NetBackup Host Properties
- Exercise E: Accessing the NetBackup web interface
- Exercise F: Exploring the NetBackup web interface
- Exercise G: Configuring role-based access control
- Exercise H: Creating and editing a custom rule (Optional)

Configuring NetBackup Storage

- NetBackup storage device concepts
- Configuring and managing a basic disk storage unit
- Configuring storage unit groups

Labs:

- Exercise A: Viewing disk storage on a NetBackup server system
- Exercise B: Configuring a Basic Disk storage unit
- Exercise C: Configuring a storage unit group

Configuring Policies

- Introduction to backup policies
- Creating and configuring policy attributes
- Creating a policy schedule
- Adding client to a policy
- Creating backup selections
- Managing policies

Labs:

- Exercise A: Configuring a NetBackup policy
- Exercise B: Configuring a policy to use calendar-based schedules
- Exercise C: Copying a policy to create a new policy
- Exercise D: (Optional) Lab challenge

Performing File System Backups

- Using and customizing the NetBackup Activity Monitor
- Performing manual backup operations
- Performing user-directed backups
- Backup job-related tips

Labs:

- Exercise A: Using the Activity Monitor
- Exercise B: Performing Manual backups
- Exercise C: Viewing job details
- Exercise D: Deactivating and activating policies
- Exercise E: Performing user-initiated backups

Performing File System Restores

- Introduction to restores
- Performing restore operations using the BAR interface
- Performing restore operations using OpsCenter Operational Restore
- Restore job-related tips

Labs:

- Exercise A: Becoming familiar with the key restore settings in the BAR interface.
- Exercise B: Restoring client files to their original location
- Exercise C: Restoring files to an alternate file system location
- Exercise D: Restoring files to an alternate client system
- Exercise E: (Optional) Using the OpsCenter Operational Restore feature

Configuring Disk Pools

- Understanding disk pools and AdvancedDisk
- Configuring AdvancedDisk
- Managing AdvancedDisk storage

Labs:

- Exercise A: Identifying AdvancedDisk storage
- Exercise B: Configuring AdvancedDisk
- Exercise C: Verifying AdvancedDisk configuration
- Exercise D: Configuring a policy to write backup images to AdvancedDisk storage
- Exercise E: Performing and monitoring backups to AdvancedDisk storage
- Exercise F: Monitoring and managing AdvancedDisk disk pools

Configuring Media Server Deduplication

- Introduction to NetBackup deduplication
- Configuring NetBackup media server deduplication
- Configuring client-side deduplication
- Managing NetBackup deduplication

Labs:

- Exercise A: Configuring NetBackup Media Server Deduplication (MSDP)
- Exercise B: Configuring a policy to use MSDP storage
- Exercise C: Performing backups to MSDP storage
- Exercise D: Configuring and using client-side deduplication
- Exercise E: Monitoring and managing NetBackup MSDP storage
- Exercise F: (Optional) Running Deduplication reports in OpsCenter

Configuring and Managing Tape Storage

- Understanding Media Manager storage units
- Configuring tape devices
- Verifying tape storage
- NetBackup media concepts
- Configuring media
- Managing robots and tape drives
- Monitoring media and media states
- Managing tapes
- Media- and device-related tips

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Labs:

- Exercise A: Verifying tape devices are visible to the operating system of media servers
- Exercise B: Configuring tape devices and storage units using the Device Configuration Wizard
- Exercise C: Configuring volume pools
- Exercise D: Configuring volumes using the Robot Inventory user interface provided by NetBackup and, in the process, create barcode rules
- Exercise E: Viewing tape drive and robot configuration settings
- Exercise F: Using the Device Monitor to monitor and manage tape drives
- Exercise G: Managing media
- Exercise H: Running tape-based reports
- Exercise I: (Optional) Using the robtest utility
- Exercise J: (Optional) Running NetBackup reports from the command line
- Exercise K: (Optional) Performing Media state management using the command line

of lab access

Performing VMware Backups

- Introduction to virtual machine backups
- Configuring VMware backups
- Protecting VMware Assets using the web UI
- Performing and Monitoring VM Backups

Labs:

- Exercise A: Verifying the VMware environment
- Exercise B: Configuring NetBackup servers to access the VMware vCenter server
- Exercise C: Installing the NetBackup Plug-in for VMware vSphere Web Client
- Exercise D: Configuring a VMware policy in NetBackup
- Exercise E: Performing and monitoring NetBackup VMware virtual machine backups
- Exercise F: Excluding disks from a VMware virtual machine backup
- Exercise G: Managing VMware credentials using the web UI
- Exercise H: Managing VMware Assets using the web UI

Performing VMware Restores

- Managing virtual machine restores
- Managing VMware restores
- Using VMware Instant Recovery
- VMware Agentless Restore

Labs:

- Exercise A: Recovering virtual machine files
- Exercise B: Recovering a VMware virtual machine disk
- Exercise C: Recovering an entire VMware virtual machine
- Exercise D: Performing non-NetBackup pre-requisites tasks for IRV
- Exercise E: Performing NetBackup pre-requisite tasks for Instant Recovery for VMware (IRV)
- Exercise F: Performing Instant Recovery for VMware (IRV) using the vSphere Web Client
- Exercise G: Using NetBackup Web UI to recover a virtual machine to alternate location

Protecting and Recovering Hyper-V Virtual Machines

- Introduction to NetBackup for Hyper-V
- Configuring Hyper-V backups
- Performing and Monitoring Hyper-V backups
- Performing Hyper-V restores
- Performing Hyper-V restores with the NetBackup Add-in for SCVMM

Labs:

- Exercise A: Configuring NetBackup communication with Hyper-V
- Exercise B: Configuring a Hyper-V Intelligent Policy and backing up Hyper-V virtual machines
- Exercise C: Restoring individual files
- Exercise D: Restoring the full Hyper-V machine
- Exercise E: Performing Hyper-V backups and restores in an SCVMM environment

Duplicating Backups Using Storage Lifecycle Policies

- Backup duplication concepts
- Storage lifecycle policy concepts
- Using storage lifecycle policies
- Additional Storage Lifecycle Policy features and benefits

Labs:

- Exercise A: Configuring a Storage Lifecycle Policy
- Exercise B: Configuring a NetBackup policy to use a Storage Lifecycle Policy
- Exercise C: Modifying SLP Host Properties
- Exercise D: Viewing and monitoring SLP operations

Managing and Protecting the NetBackup Catalog

- Introduction to NetBackup catalogs
- Managing images
- Configuring a catalog backup policy
- Disaster recovery strategies

Labs:

- Exercise A: Running NetBackup catalog-related reports
- Exercise B: Verifying, expiring, and importing backup images
- Exercise C: Configuring and running NetBackup catalog backups
- Exercise D: Recovering the catalogs using the NetBackup Catalog Recovery wizard

Optimizing File System Backups

- File system backup challenges
- Optimizing file system backups
- Optimizing file system backups with NetBackup Accelerator

Configuring and Managing Tape Storage

- Understanding Media Manager storage units and indexing systems
- Configuring tape devices
- Verifying tape storage
- NetBackup media concepts and backup
- Configuring media and data
- Managing robots and tape drives
- Monitoring media and media states and logging
- Managing tapes
- Media- and device-related tips

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Collecting Logs and Diagnostic Information

- Performing basic NetBackup troubleshooting
- Identifying NetBackup processes, services, and daemons
- NetBackup logging overview
- Using the support utilities
- Using NetBackup support resources

Labs:

- Exercise A: Viewing the NetBackup services
- Exercise B: Running NetBackup reports for troubleshooting
- Exercise C: Using the nbsu and nbcplogs commands
- Exercise D: (Optional) Viewing and setting debug logging properties
- Exercise E: (Optional) Enabling NetBackup legacy debug logging
- Exercise F: (Optional) Viewing debug logging levels for unified logs