Enterprise Computing Solutions - Education Services

# TRAINING OFFERING

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Email: training.ecs.fr@arrow.com
Phone: 01 49 97 50 00

# Cohesity NetBackup 11.0: Administration

| CODE: | DURÉE: | PRIX H.T.: |
|---|---|---|
| VER_NB-11.0-A | 35 Hours (5 Jours) | €3,950.00 |

## Description

This instructor-led, 40-hour course provides NetBackup administrators, sales engineers, operators, implementation consultants, and support engineers with fundamental concepts, configuration, and management of NetBackup. It also teaches them how to utilize the NetBackup tools and interfaces, create and monitor backup and restore operations, and ensure that the data recovery objectives are met. This course serves as a prerequisite for Cohesity NetBackup 10.0: Advanced Administration.

## Objectifs

By the end of this course, learners will be able to:

• Describe the functions of the Primary server, Media servers, and clients in a NetBackup environment.
• Explain how NetBackup performs backup and restore operations.
• Demonstrate the use of the NetBackup Administration Console, Web User Interface, and NetBackup IT Analytics for daily operations.
• Configure and manage NetBackup security certificates to ensure secure operations.
• Set up and monitor BasicDisk and AdvancedDisk storage units and storage unit groups.
• Develop file system backup policies and schedules to meet organizational requirements.
• Perform manual and user-directed backups and restores using various NetBackup interfaces.
• Provision storage and configure Media Server Deduplication Pool (MSDP) for optimized storage usage.
• Implement backup and recovery for virtual environments such as VMware.
• Configure Storage Lifecycle Policies (SLPs) and initiate jobs that utilize SLPs.
• Protect and manage the NetBackup catalog to ensure recoverability of backup data.
• Apply NetBackup WORM protection and performance optimization techniques.
• Generate and interpret NetBackup reports for operational and compliance needs.
• Initiate NetBackup upgrades using VxUpdate and identify resources for troubleshooting.

## Audience

• Cohesity NetBackup Operators & Administrators
• Cohesity Professional Services Engineers
• Cohesity Sales Engineers
• Implementation consultants
• Support Engineers

## Prérequis

Prerequisite Skills

• UNIX/Linux or Windows system administration.
• Data protection concepts and terminology.
• Storage concepts.
• Virtualization and cloud technologies.
• Basic networking and system security awareness

Training Prerequisites

• None. This is a fundamentals course.

## Programme

**Lesson 01: Introducing NetBackup**

• Data Protection and the NetBackup Environment
• NetBackup-Powered Backup Appliances: Overview
• NetBackup Integrated Solutions
• NetBackup Installation
• NetBackup Administration Interfaces

**Lesson 02: Working with the NetBackup Web UI**

• NetBackup Web User Interface
• Configuring NetBackup for Single Sign-On
• Protecting Workload Assets
• Managing Role-based Access Control
• Alerts and Notifications
• Managing User Sessions

**Lesson 03: Performing NetBackup Certificate Administration**

• Understanding Security Certificates
• Working with Certificate Revocation Lists
• Configuring NetBackup Security Certificates
• Managing NetBackup Security Certificates
• Using External Security Certificates with NetBackup

**Lesson 04: Configuring Basic and Advanced Disk Storage**

• NetBackup Storage Device Concepts
• Configuring a BasicDisk Storage Unit
• Configuring AdvancedDisk
• Managing AdvancedDisk Storage
• Configuring Storage Unit Groups

**Lesson 05: Configuring NetBackup Policies and Schedules**

• Backup Policies: Overview
• Creating and Configuring Policy Attributes
• Creating a Policy Schedule
• Adding Clients to a Policy
• Creating Backup Selections
• Exclude and Include Lists
• Managing Policies

**Lesson 06: Protecting File Systems**

• Performing Manual Backup Operations
• Using and Customizing the NetBackup Activity Monitor
• Backup Job-related Tips
• Introduction to Restores
• Performing Restore Operations Using the NetBackup Web UI
• Performing User-directed Backups
• Performing Restore Operations Using the BAR Interface on a Client Machine
• Performing Restore Operations Using the BAR Interface

**Lesson 07: Configuring Media Server Deduplication**

• Introducing MSDP
• MSDP Architecture
• Planning a Deployment
• Provisioning Storage and Configuring MSDP

**Lesson 08: Configuring Cloud Storage**

• Using the Cloud with NetBackup
• MSDP Cloud Support
• Memory-Efficient Dedup Service

• MSDP Cloud Immutable (WORM) Storage
• Image Sharing using MSDP Cloud

**Lesson 09: Optimizing Filesystem Backups**

• Filesystem Backup Challenges
• Optimizing Filesystem Backups
• Optimizing Filesystem Backups with NetBackup Accelerator
• NetBackup FlashBackup
• Using Multiple Data Streams
• Handling Busy Files on UNIX/Linux and Windows Filesystems

**Lesson 10: Protecting VMware Environments**

• Introducing Virtual Machine Backups
• Configuring VMware Backups
• Continuous Data Protection for VMware
• Performing and Monitoring VMware Backups

**Lesson 11: Recovering VMware Environments**

• Performing VMware Restores
• Instant Access and Instant Rollback for VMware
• VMware Agentless Restores

**Lesson 12: Duplicating and Replicating Backups**

• Duplication Strategies
• Storage Lifecycle Policy: Concepts
• Using Storage Lifecycle Policies
• Additional Storage Lifecycle Policy Features

**Lesson 13: Protecting the NetBackup Catalog**

• Understanding the NetBackup Catalog
• Managing Images
• Protecting the NetBackup Catalog
• Performing NetBackup Catalog Recovery

**Lesson 14: Mitigating the Impact of Ransomware**

• Ransomware: Overview
• NetBackup Protection Against Ransomware
• Backup Anomaly Detection
• NetBackup Malware Scanning

**Lesson 15: Generating NetBackup Reports**

• Generating Reports in NetBackup
• NetBackup IT Analytics: Overview
• Generating NetBackup Reports in NetBackup IT Analytics

**Lesson 16: Upgrading and Updating NetBackup**

• NetBackup Upgrades: Overview
• Planning for an Upgrade: Overview
• Primary Server Upgrade: Overview
• Media Server Upgrade: Overview
• MSDP Upgrade for NetBackup
• Client upgrade: Overview
• NetBackup Deployment with VxUpdate

**Lesson 17: Collecting Logs and Diagnostic Information**

• Performing Basic NetBackup Troubleshooting
• Identifying NetBackup Processes, Services, and Daemons
• NetBackup Logging: Overview
• Using Support Utilities

• Using NetBackup Support Resources

**Appendix A: Protecting Hyper-V Environments**

• Introduction to NetBackup for Hyper-V
• Configuring Hyper-V Backups
• Configuring NetBackup Policies for Hyper-V
• Performing and Monitoring Hyper-V Backups
• Performing Hyper-V Restores
• Performing Hyper-V restores with the NetBackup Add-in for SCVMM

**Appendix B: Protecting NAS Data**

• Introduction to NetBackup for NDMP
• Preparing for NDMP Backups
• Configuring Local NDMP Backup
• Configuring Remote NDMP Backups
• Accelerator for NDMP Filers
• Protecting a NetApp cDOT NDMP Filer
• Understanding NDMP Three-way Backups
• Data Protection - Configuring NDMP Three-way Backups

**Appendix C: Configuring and Managing Tape Storage**

• 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
• NetBackup Device Troubleshooting
• Common NetBackup Device Issues
• Media and Device Selection
• Media-related Status Codes
• Optimizing Tape Drive Performance Using Multiplexing
• Troubleshooting Frozen and Suspended Media

**Appendix D: Performing Instant Recovery**

• Using VMware Instant Recovery
• VMware Instant Recovery: Differences
• VMware Instant Recovery: Process
• VMware Instant Recovery: Options
• NetBackup Plug-in in vSphere Web Client
• Instant Recovery Cleanup
• Executing the nbrestorevm command
Appendix E: Protecting D-NAS Data
• Dynamic NAS (D-NAS) Data Protection
• D-NAS Planning and Pre-requisites
• Configuring Storage Lifecyle Policies for D-NAS
• Volume Multi-host Backup
• Configuring D-NAS Policy for NAS Backups
• NetBackup Accelerator for D-NAS
• Using Vendor Change Tracking
• Using True Image Restore
• Replication Using D-NAS Policy
• Restoring from D-NAS Backups

## Informations supplémentaires

Key Benefits

• Enhanced Data Protection and Risk Mitigation: Administrators will be equipped to configure, manage, and optimize NetBackup environments, ensuring robust protection of business-critical data and minimizing risks from data loss or ransomware.
• Operational Efficiency and Reduced Downtime: Staff will develop the skills to streamline backup, restore, and storage management processes, leading to reduced downtime and improved service levels across the organization.

• Regulatory Compliance and Audit Readiness: Learners will be able to generate comprehensive reports and manage security certificates, supporting the business in meeting regulatory requirements and maintaining audit readiness.
• Agility and Maximized ROI: The course covers upgrades, cloud integration, and advanced storage configurations, enabling the business to quickly adapt to evolving technology needs and maximize return on investment in NetBackup solutions.

## Dates de session

| Date | Lieu | Time Zone | Langue | Type | Garanti | PRIX H.T. |
|---|---|---|---|---|---|---|
| 02 Nov 2026 | Virtual Classroom | CET | French | Instructor Led Online | Yes | €3,950.00 |

## Informations Complémentaires

Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.