ЛГLOW

Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

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VERITAS Veritas NetBackup 10.0: Administration

Kód:	DÉLKA:	CENA:
VER_NB-10.0-A	40 Hours (5 DENNÍ)	Kč bez DPH 83,000.00

Description

Školení je vedené virtuálně v angličtině.
Cena školení je 2 800 GBP bez DPH a bude přepočtena aktuálním kurzem v poslední den školení.
Acquire the skills to make your data protection strategy successful with the Veritas NetBackup 10.0: Administration course. You will learn the general principles, configuration, and management of NetBackup, including how to best utilize the NetBackup tools and interfaces, effectively monitor backup and restore operations, and ensure that the data recovery objectives are met.

Cíle

After completing this course, you will be able to:
• Describe the functions of the Primary server, Media servers, and clients.
• Describe how NetBackup backs up and restores data.
• Use the NetBackup Administration Console, Web User Interface, and OpsCenter.
• Configure and manage NetBackup security certificates.
• Configure, manage, and Monitor BasicDisk and AdvancedDisk storage units and storage unit groups.
• Configure file system backup policies and schedules.
• Perform manual backups and user-directed backups.
• Restore files using the Java or Windows BAR interface and OpsCenter Operational Restore.
• Provision storage and configure MSDP.
• Manage NetBackup cloud backups and cloud storage.
• Optimize file system backups with NetBackup Accelerator.
• Backup, restore, and protect virtual environments like VMware.
• Configure Storage Lifecycle Policies (SLPs) and initiate jobs that use SLPs.
• Protect and manage the NetBackup catalog.
• Configure NetBackup WORM protection.
• Optimize NetBackup for performance.
• Generate NetBackup reports in NetBackup, OpsCenter, and NetBackup IT Analytics.
• Initiate NetBackup upgrades using VxUpdate.
• Identify and use resources for troubleshooting NetBackup.

Určeno pro

This course is intended for technical professionals responsible for the design, configuration, operation, monitoring, or support of NetBackup.

Vstupní znalosti

Students should be familiar with general network and storage concepts, and the administration and configuration of Windows or Linux operating systems. Knowledge of virtualization and cloud technologies is useful.

Program

Introducing NetBackup:
• Data Protection and the NetBackup Environment
• NetBackup and Flex Appliances: Overview
• NetBackup Integrated Solutions
• NetBackup Installation
• NetBackup Administration Interfaces

Labs:
• Exercise A: Creating Users and Groups
• Exercise B: Installing the NetBackup Primary Server Software
• Exercise C: Installing the NetBackup Java Remote Administration Console
• Exercise D: Installing the NetBackup Media Server Software
• Exercise E: Installing the NetBackup Client Software
• Exercise F: Exploring the NetBackup Administration Console

Working with the NetBackup Web UI:
- NetBackup Web User Interface   Labs:
- Configuring NetBackup for Single Sign-On • Exercise A: Accessing and Navigating the NetBackup Web User Interface
- Protecting Workload Assets   • Exercise B: Configuring Role-based Access Control
- Managing Role-based Access Control   • Exercise C: Configuring NetBackup for Single SignOn
- Alerts and Notifications   • Exercise D: Viewing and Configuring Notifications
- Managing User Sessions   • Exercise E: Managing User Sessions

Performing NetBackup Certificate Administration:
- Understanding Security Certificates   Labs:
- Working with Certificate Revocation Lists   • Exercise A: Viewing NetBackup Certificates
- Configuring NetBackup Security Certificates   • Exercise B: Manually Deploying NetBackup Certificates
- Managing NetBackup Security Certificates   • Exercise C: Revoking and Reissuing Host ID-based Certificates
- Using External Security Certificates with NetBackup • Exercise D: Using External Certificates with NetBackup

Configuring Basic and Advanced Disk Storage
- NetBackup Storage Device Concepts   Labs:
- Configuring a BasicDisk Storage Unit   • Exercise A: Configuring a BasicDisk Storage Unit
- Configuring AdvancedDisk   • Exercise B: Configuring AdvancedDisk Storage
- Managing AdvancedDisk Storage   • Exercise C: Monitoring and Managing AdvancedDisk Storage
- Configuring Storage Unit Groups   • Exercise D: Configuring a Storage Unit Group

Configuring NetBackup Policies and Schedules:
- Backup Policies: Overview
- Creating and Configuring Policy Attributes
- Creating a Policy Schedule
- Adding Clients to a Policy   Labs:
- Creating Backup Selections   • Exercise A: Configuring a Policy to Use a Frequencybased Schedule
- Exclude and Include Lists   • Exercise B: Configuring a Policy to Use a Calendarbased Schedule
- Managing Policies   • Exercise C: Managing NetBackup Policies

Protecting File Systems
- Performing Manual Backup Operations
- Using and Customizing the NetBackup Activity Monitor
- Performing User-directed Backups
- Backup Job-related Tips
- Introduction to Restores
- Performing Restore Operations Using the NetBackup Web UI
- Performing Restore Operations Using the BAR interface

Labs:
- Exercise A: Using and Customizing the Activity Monitor   Configuring Media Server Deduplication:
- Exercise B: Performing Manual Backups   • Introduction to MSDP
- Exercise C: Performing User-initiated Backups   • Variable-Length Deduplication
- Exercise D: Restoring Client Files to their Original Location • MSDP Architecture
- Exercise E: Restoring Client Files to an Alternate File System Location • Planning a Deployment
- Exercise F: Restoring Client Files to an Alternate Client System • Provisioning Storage and Configuring MSDP

Labs: Configuring Cloud Storage:
- Exercise A: Configuring NetBackup Media Server Deduplication • Using the Cloud with NetBackup
- Exercise B: Configuring a Policy to Use MSDP Storage   • MSDP Cloud Support
- Exercise C: Performing Backups to MSDP Storage   • Memory-efficient Dedup Service
- Exercise D: Configuring and Using Client-side Deduplication • MSDP Cloud Immutable (WORM) Storage
- Exercise E: Managing and Monitoring NetBackup MSDP Storage • Image Sharing using MSDP Cloud

                                                             Optimizing Filesystem Backups:
                                                             • File System Backup Challenges
Labs: • Optimizing File System Backups
- Exercise A: Performing Preliminary Tasks   • Optimizing File System Backups with NetBackup Accelerator
- Exercise B: Configuring Cloud Storage in NetBackup   • NetBackup FlashBackup
- Exercise C: Configuring and Performing Backups to the Cloud • Using multiple Data Streams
- Exercise D: Restoring Client Data from Cloud-based Storage • Handling Busy Files on UNIX/Linux and Windows File Systems

Labs: Protecting VMware Environments:
- Exercise A: Configuring and Performing Synthetic Backups   • Introduction to Virtual Machine Backups
- Exercise B: Optimizing Backups Using NetBackup Accelerator • Configuring VMware Backups
- Exercise C: Optimizing Backups Using NetBackup FlashBackup • Continuous Data Protection for VMware
- Exercise D: Configuring and Using Multiple Data Streams   • Performing and Monitoring VMware Backups

Labs:
- Exercise A: Configuring NetBackup for VMware Backups
- Exercise B: Configuring a VMware Policy   Recovering VMware Environments:
- Exercise C: Performing and Monitoring VMware Virtual Machine Backups • Performing VMware Restores
- Exercise D: Excluding Disks from a VMware Virtual Machine Backup • Instant Access and Instant Rollback for VMware
- Exercise E: Configuring Continuous Data Protection   • VMware Agentless Restores

Labs:
• Exercise A: Recovering Virtual Machine Files (Agentbased)
• Exercise B: Recovering a VMware Virtual Machine Disk
• Exercise C: Recovering the Entire VMware Virtual Machine
• Exercise D: Using VMware Agentless Restore
• Exercise E: Downloading Files and Folders from a Virtual Machine Backup Image
• Exercise F: Creating an Instant Access Virtual Machine from a NetBackup Backup Image
• Exercise G: Performing Instant Rollback for Virtual Machines
• Exercise H: Performing Restores from a Continuous Data Protection Backup

Duplicating and Replicating Backups:
• Duplication Strategies
• 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 Policy to Use a Storage Lifecycle Policy
• Exercise C: Customizing Storage Lifecycle Policy Settings
• Exercise D: Viewing and Monitoring Storage Lifecycle Policy Operations
• Exercise E: Using Storage Lifecycle Policies to Perform MSDP Optimized Duplication
• Exercise F: Configuring Storage Lifecycle Policies for Replicating Backup Images

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

Labs:
• Exercise A: Verifying Catalog Configuration Files
• Exercise B: Configuring and Running NetBackup Catalog Backups
• Exercise C: Recovering the Catalogs Using the NetBackup Catalog Recovery Wizard
• Exercise D: Performing Catalog Operations
• Exercise E: Configuring a Policy for Catalog Archive Mitigating Impact of Ransomware
• Ransomware Overview
• NetBackup Protect Against Ransomware
• Backup Anomaly Detection
• NetBackup Malware Tool

Labs: Part A (Using Flex Appliance):
• Exercise A: Configuring a Disk Pool and WORM Storage Unit
• Exercise B: Configuring a NetBackup Policy
• Exercise C: Understanding Catalog Operations on the WORM Image Copy
• Exercise D: Configuring and Identifying Backup Anomaly

Labs: Part B (Using AWS S3):
• Exercise A: Configuring a Disk Po:ol and WORM Storage Unit
• Exercise B: Configuring a NetBackup Policy
• Exercise C: Understanding Catalog Operations on the WORM Backup Image
• Exercise D: Configuring and Identifying Backup Anomaly
• Exercise E: Configuring and Using NetBackup Malware Scanner

Generating NetBackup Reports:
• Generating Reports in NetBackup
• NetBackup OpsCenter
• Generating NetBackup Reports in OpsCenter
• Generating Reports Using NetBackup IT Analytics

Upgrading and Updating NetBackup:
• NetBackup Upgrades: Overview
• VxUpdate: Overview
• Deployment Policy Management
• Initiating Upgrades Using VxUpdate
• VxUpdate: Error Codes

Labs:
• Exercise A: Using the NetBackup Reports Utility
• Exercise B: Configuring OpsCenter Data Collection for NetBackup
• Exercise C: Generating Reports Using OpsCenter

Labs:
• Exercise A: Populating the Repository with NetBackup Packages
• Exercise B: Configuring a Deployment Policy
• Exercise C: Manually Initiating Upgrades from the Primary Server Using VxUpdate
• Exercise D: Initiating Upgrades from the Client Using VxUpdate
• Exercise E: Viewing the Deployment Job Status

Labs:
• Exercise A: Viewing NetBackup Services
• Exercise B: Using the nbsu and nbcplogs Commands
• Exercise C: Viewing and Setting Debug Logging Properties
• Exercise D: Enabling NetBackup Legacy Debug Logging
• Exercise E: Viewing Debug Logging Levels for Unified Logs
• Exercise F: Using the Logging Assistant
• Exercise G: Using the NetBackup Smart Diagnostics Utility

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 NAS Data:
• Introduction to NetBackup for NDMP
• Preparing for NDMP Backups
• Configuring Local NDMP Backups
• 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
• Dynamic NAS (DNAS) Data Protection

Labs:
• Exercise A: Authorizing NetBackup Access to NDMP Hosts
• Exercise B: Configuring and Performing NDMP Backups
• Exercise C: Using NetBackup Accelerator for NDMP
• Exercise D: Performing NDMP Restores
• Exercise E: Performing Prerequisite Tasks for DNAS Configuration
• Exercise F: Configuring and Performing DNAS Backups
• Exercise G: Restoring Files from DNAS Backups

Appendix B: 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
• Using Multiple Data Streams
• Optimizing Tape Drive Performance Using Multiplexing
• Troubleshooting Frozen and Suspended Media
Labs:
• Exercise A: Verifying and Discovering Tape Devices
• Exercise B: Viewing Configured Tape Devices
• Exercise C: Configuring Tape Devices
• Exercise D: Configuring Volume Pools
• Exercise E: Configuring Media
• Exercise F: Viewing Tape Drive and Robot Configuration Settings
• Exercise G: Using the Device Monitor to Monitor and Manage Tape Drives
• Exercise H: Managing Media
• Exercise I: Using the Robtest Utility
• Exercise J: Running NetBackup Reports from the Command Line
• Exercise K: Media State Management Using the Command Line

Appendix C: 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

Labs:
• Exercise A: Performing Non-NetBackup Pre-requisite Tasks for Instant Recovery for VMware
• Exercise B: Performing NetBackup Pre-requisite Tasks for Instant Recovery for VMware
• Exercise C: Performing Instant Recovery for VMware Using the vSphere Web Client

Termíny školení

Termíny školení na vyžádání, kontaktujte nás prosím

Dodatečné informace

Školení je možné zajistit na míru. Kontaktujte nás pro bližší informace.