TRAINING OFFERING

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Veritas NetBackup 8.2: Advanced Administration

CODE:	LENGTH:	PRICE:
VER_NB-8.2 AA	40 Hours (5 days)	kr33,000.00

Description

Acquire the skills to make your data protection strategy successful with the Veritas NetBackup 8.2: Advanced Administration course. You will learn advanced NetBackup
topics, including NetBackup performance, disaster recovery, application backups on physical and virtual machines, virtual machine accelerator backups, and security. This course also
covers using NetBackup to manage Oracle, Microsoft Exchange, Microsoft SQL, Microsoft SharePoint database backups and restores along with other modern workloads.

Objectives

By the completion of this course, you will be able to:
• Improve NetBackup performance by addressing bottlenecks and becoming familiar with NetBackup performance enhancing features.
• Ensure your NetBackup environment and data is secure using security certificates, authentication, authorization, auditing, and encryption.
• Prepare for common disasters and plan for disaster recovery using optimized duplication and Auto Image Replication.
• Optimize NetBackup deduplication storage and use by understanding and managing performance enhancing features for backups and restores, and configuring MSDP catalog protection policies.
• Describe requirements for backing up third-party applications and databases.
• Configure NetBackup to back up and restore Oracle, Microsoft Exchange, Microsoft SQL, and Microsoft SharePoint databases.
• Discuss strategies for Oracle, Microsoft Exchange, Microsoft SQL, and Microsoft SharePoint database recovery.
• Configure, run, and manage backups for applications running in virtual machines.
• Configure accelerator for VMware virtual machines.
• Use NetBackup to protect modern workloads.
• Configure, run, and manage backups using NDMP filers with NetBackup.

Audience

This course is intended for NetBackup system administrators, system engineers, technical support personnel, and system integration and development staff who are responsible for
implementing new and advanced NetBackup 8.2 features and functions.

Prerequisites

Students should be familiar with general network and storage concepts, and the administration and configuration of Windows or Linux operating systems. Students must also have one to three years of experience with basic NetBackup
administration, configuration, and operation. These prerequisites can be met by attending any version of the NetBackup Administration course plus additional on-the-job experience.
Hands-On
This course includes practical hands-on lab exercises to apply your new skills in a virtual NetBackup domain. At the start of class students will choose between Windows-based
or Linux-based NetBackup servers to perform lab exercises.

Programme

Improving NetBackup Performance
• NetBackup performance overview
• Addressing performance issues
• Managing True Image Restore and synthetic backups
• Managing FlashBackup backups
• Using Network Resiliency
Labs
• Exercise A: Calculating buffer wait percentages for backup jobs
• Exercise B: Optimizing backups using synthetic backups
• Exercise C: Configuring and using FlashBackup

Management behavior Linux
• Exercise B: Managing Host ID certificates and tokens Linux
• Exercise C: Configuring the auth conf file
• Exercise D: Configuring enhanced auditing
• Exercise E: View security events and audit logs
• Exercise F: Managing host ID certificates and tokens

Auto Image Replication
• Introduction to Auto Image Replication
• Configuring trusted master servers
• Configuring Auto Image Replication
• Monitoring Auto Image Replication
• Restoring from a replicated and imported image
• Managing and maintaining Auto Image Replication
Labs
• Exercise A: Configuring the replication source and target
• Exercise B: Configuring an SLP in the target domain
• Exercise C: Configuring an SLP and policy in the source domain
• Exercise D: Configuring other settings that affect SLP behavior
• Exercise E: Performing and monitoring replication jobs
• Exercise F: Viewing the status of replication jobs
• Exercise G: Restoring data from a replicated and imported image

Optimizing NetBackup Deduplication
• Understanding MSDP architecture
• Improving deduplication backup performance
• Optimizing deduplication restores and rehydration
• Protecting the MSDP backup data and catalog
Labs
• Exercise A: Configuring client direct restores
• Exercise B: Performing a client direct restore
• Exercise C: Configuring and performing MSDP catalog backups
• Exercise D: Simulating a MSDP catalog corruption
• Exercise E: Performing a recovery of a MSDP catalog

Understanding Application Backup Concepts
• Application protection concepts
• Database backup and restore concepts
• Customizing generic application backups
Labs
• Exercise A: Copying the NetBackup notify scripts
• Exercise B: Configuring a policy to run a cold Oracle backup
• Exercise C: Performing a cold Oracle backup
Intelligent Policy
• Exercise E: Simulating a failure of an Oracle database
• Exercise F: Restoring an Oracle database

Securing the NetBackup Environment
• Understanding security concerns in a backup environment
• Securing NetBackup port communication
• Understanding security certificates
• Configuring NetBackup security certificates
• Configuring NetBackup with access control
• Auditing NetBackup
Labs
• Exercise A: Observing Security Events and Host
Securing Backup Data
• Understanding security concerns in a backup environment
• Encrypting NetBackup deduplication data
• Using NetBackup client encryption
• Using NetBackup Key Management Services
Labs
• Exercise A: Configuring MSDP encryption
• Exercise B: Performing a MSDP encrypted backup

Implementing NetBackup Cloud Solutions
• Using the cloud with NetBackup
• Configure NetBackup cloud storage
• Managing NetBackup cloud storage and cloud backups
• NetBackup CloudCatalyst overview
Labs
• Exercise A: Performing preliminary tasks
• Exercise B: Configuring NetBackup for backups to the cloud
• Exercise C: Performing backups to the cloud
• Exercise D: Viewing cloud-based storage
• Exercise E: Restoring client data from cloud-based storage
Managing Oracle Backups
• Introduction to the Oracle database
• Configuring Oracle database backups
• Monitoring and maintaining Oracle database backups
• Oracle database disaster recovery considerations
Labs
• Exercise A: Viewing the initial configuration of Oracle
• Exercise B: Registering the Oracle instance with NetBackup
• Exercise C: Creating an Oracle Intelligent Policy
• Exercise D: Performing a backup using an Oracle

Managing Microsoft SQL Backups
• Introduction to Microsoft SQL Server
• Configuring NetBackup for SQL Server Intelligent Policies
• Monitoring SQL Server database backups
• SQL Server disaster recovery considerations
Labs
• Exercise A: Introducing the SQL Server environment
• Exercise B: Registering the SQL instance with NetBackup
• Exercise C: Creating a NetBackup SQL Intelligent Policy
• Exercise D: Performing a manual SQL Server backup using an Intelligent Policy
• Exercise E: Deleting a SQL database
• Exercise F: Restoring a SQL database

Managing Microsoft SharePoint Backups
• Introduction to Microsoft SharePoint Server
• Configuring NetBackup for SharePoint policies
• SharePoint disaster recovery considerations
Labs
• Exercise A: Configuring a Microsoft SharePoint policy in NetBackup
• Exercise B: Performing non-NetBackup tasks to enable

SharePoint Granular Recovery
• Exercise C: Performing NetBackup tasks to enable SharePoint Granular Recovery
• Exercise D: Performing a manual backup using a SharePoint policy
• Exercise E: Deleting a document from a SharePoint site
• Exercise F: Performing a SharePoint document restore

Managing Microsoft Exchange Backups
• Introduction to Microsoft Exchange Server
• Configuring NetBackup for Exchange
• Exchange and high availability environments
• Monitoring and maintaining Exchange database backups
• Exchange disaster recovery considerations
Labs
• Exercise A: Configuring a Microsoft Exchange backup policy
• Exercise B: Performing non-NetBackup pre-requisite tasks for Exchange GRT (Required, but pre-configured)
• Exercise C: Performing NetBackup tasks to enable Exchange Granular Recovery (GRT)
• Exercise D: Performing a Microsoft Exchange database backup
• Exercise E: Performing a Roll-Forward recovery
• Exercise F: Performing an Exchange GRT database backup
• Exercise G: Recovering a deleted e-mail message
• Exercise H: (Optional) Performing Point-in-Time recovery
• Exercise I: (Optional) Performing full and differential backups of an Exchange database
• Exercise J: (Optional) Restoring the Exchange database from full and differential backup images

Enhancing Virtual Machine Protection
• Protecting virtual machines with applications
• Using NetBackup Accelerator for virtual machine backups
• Restoring individual VDMK files
Labs
• Exercise A: Verifying that the Exchange Server is powered on
• Exercise B: Performing prerequisite tasks to enable VMware Application Protection backups of Exchange (Required, but pre-performed)
• Exercise C: Configuring a VMware policy for MS Exchange application protection
• Exercise D: Viewing application protection backup for MS Exchange information
• Exercise E: Performing a GRT restore from an application protection backup image

Disaster Recovery and NetBackup
• Disaster recovery strategies
• Controlling media servers used for restores
Labs
• Exercise A: Configuring and running a NetBackup catalog backup
• Exercise B: Recovering the NetBackup catalogs with a missing DR file
• Exercise C: Performing post recovery checks

Managing NDMP Backups
• 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

Modern workload protection
• Parallel Streaming Framework
• Protecting Big Data
• Protecting Hyper Converged Infrastructures
• Protecting Open Source Data
Labs
• Exercise A: Starting Hadoop services
• Exercise B: Configuring Credentials for Hadoop in NetBackup
• Exercise C: Configuring the NetBackup policy   **Appendix A: Managing NDMP Three-way backups**
• Exercise D: Performing Hadoop backup   • Understanding NDMP three-way backups
• Exercise E: Restoring Hadoop data   • Configuring NDMP three-way backups
Appendix B: Managing Oracle backups using legacy policies
• Configuring NetBackup with legacy Oracle policies
• Monitoring and maintaining Oracle database backups from legacy policies
Appendix C: Managing Microsoft SQL backups using legacy policies
• Using the NetBackup Microsoft SQL Client console   Appendix D: NetBackup API
• Using SQL server batch files in NetBackup policies   • Introduction to NetBackup API

Session Dates

På begäran, kontakta oss

Ytterligare information

Denna utbildning finns också som utbildning på plats. Kontakta oss för mer information.