

Veritas NetBackup 8.1.2: Advanced Administration

Course Summary

Description

Acquire the skills to make your data protection strategy successful with the Veritas NetBackup 8.1.2: 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, and Microsoft SharePoint database backups.

Objectives

By the end of this course, students 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.
- Configure, run, and manage backups using NDMP filers with NetBackup.

Topics

- Improving NetBackup Performance
- Securing the NetBackup Environment
- Securing Backup Data
- Auto Image Replication
- Optimizing NetBackup Deduplication
- Implementing NetBackup Cloud Solutions
- Understanding Application Backup Concepts
- Managing Oracle Backups
- Managing Microsoft SQL Backups
- Managing Microsoft SharePoint Backups
- Managing Microsoft Exchange Backups
- Enhancing Virtual Machine Protection
- Preparing for Disaster Recovery
- Managing NDMP Backups
- Managing NDMP Three-Way backups
- Managing Oracle Backups using legacy policies
- Managing Microsoft SQL backups using legacy policies

Audience

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

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.

Duration

Five days

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Course Summary (cont.)

I. *Improving NetBackup Performance*

- A. NetBackup performance overview
- B. Addressing performance issues
- C. Managing True Image Restore and synthetic backups
- D. Managing FlashBackup backups
- E. Using Network Resiliency

II. *Securing the NetBackup Environment*

- A. Understanding security concerns in a backup environment
- B. Securing NetBackup port communication
- C. Understanding security certificates
- D. Configuring NetBackup security certificates
- E. Configuring NetBackup with access control
- F. Auditing NetBackup

III. *Securing Backup Data*

- A. Understanding security concerns in a backup environment
- B. Encrypting NetBackup deduplication data
- C. Using NetBackup client encryption
- D. Using NetBackup Key Management Services

IV. *Auto Image Replication*

- A. Introduction to Auto Image Replication
- B. Configuring trusted master servers
- C. Configuring Auto Image Replication
- D. Monitoring Auto Image Replication
- E. Restoring from a replicated and imported image
- F. Managing and maintaining Auto Image Replication

V. *Optimizing NetBackup Deduplication*

- A. Understanding MSDP architecture
- B. Improving deduplication backup performance
- C. Optimizing deduplication restores and rehydration
- D. Protecting the MSDP backup data and catalog

VI. *Implementing NetBackup Cloud Solutions*

- A. Using the cloud with NetBackup
- B. Configure NetBackup cloud storage
- C. Managing NetBackup cloud storage and cloud backups
- D. NetBackup CloudCatalyst overview

VII. *Understanding Application Backup Concepts*

- A. Understanding application needs
- B. Database backup and restore concepts
- C. Customizing generic application backups

VIII. *Managing Oracle Backups*

- A. Introduction to the Oracle database
- B. Configuring Oracle database backups
- C. Monitoring and maintaining Oracle database backups
- D. Oracle database disaster recovery considerations

IX. *Managing Microsoft SQL Backups*

- A. Introduction to Microsoft SQL Server
- B. Configuring SQL Server Intelligent Policies
- C. Monitoring SQL Server database backups
- D. SQL Server disaster recovery considerations

X. *Managing Microsoft SharePoint Backups*

- A. Introduction to Microsoft SharePoint Server
- B. Configuring NetBackup for SharePoint policies
- C. SharePoint disaster recovery considerations

XI. *Managing Microsoft Exchange Backups*

- A. Introduction to Microsoft Exchange Server
- B. Configuring NetBackup for Exchange
- C. Exchange and high availability environments
- D. Monitoring and maintaining Exchange database backups
- E. Exchange disaster recovery considerations

XII. *Enhancing Virtual Machine Protection*

- A. Protecting virtual machines with applications
- B. Using NetBackup Accelerator for virtual machine backups
- C. Restoring individual VDMK files

XIII. *Preparing for Disaster Recovery*

- A. Disaster recovery strategies
- B. Controlling media servers used for restores

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Course Summary (cont.)

XIV. *Managing NDMP Backups*

- A. Introduction to NetBackup for NDMP
- B. Preparing for NDMP backups
- C. Configuring local NDMP backup
- D. Configuring remote NDMP backups
- E. Accelerator for NDMP filers
- F. Protecting a NetApp cDOT NDMP filer

XV. *Managing NDMP Three-way backups*

- A. Understanding NDMP three-way backups
- B. Configuring NDMP three-way backups

XVI. *Managing Oracle backups using legacy policies*

- A. Configuring NetBackup with legacy Oracle policies
- B. Monitoring and maintaining Oracle database backups
- C. from legacy policies

XVII *Managing Microsoft SQL backups using legacy policies*

- A. Using the NetBackup Microsoft SQL Client console
- B. Using SQL server batch files in NetBackup policies