Veritas NetBackup 8.1.2: Maintenance and Troubleshooting

4 day course

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.

Participants

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 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.

Objectives

• Improve NetBackup performance by addressing bottlenecks, tuning NetBackup buffers, and becoming familiar with NetBackup performance enhancing features.
• Prepare for common disasters and plan for disaster recovery using optimized duplication, Auto Image Replication, and 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.
• Ensure your NetBackup environment is secure using encryption, auditing, authentication, and authorization.

Programme

Reviewing NetBackup Concepts
• Understanding the NetBackup environment
• Using NetBackup Administrative interfaces
• Using NetBackup in an enterprise environment

Improving NetBackup Performance
- NetBackup performance overview
- Addressing performance issues
- Managing True Image Restore and synthetic backups
- Managing FlashBackup backups
- Using Network Resiliency

Preparing for Disaster Recovery
- Disaster recovery strategies
- Protecting the NetBackup infrastructure
- Introduction to Auto Image Replication
- Configuring Auto Image Replication
- Monitoring Auto Image Replication
- Managing and maintaining Auto Image Replication

Performing Disaster Recovery
- Recovering the NetBackup infrastructure
- Controlling media servers used for restores
- Restoring 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]

Managing NDMP Backups
- Introduction to NetBackup for NDMP
- Preparing for NDMP backups
- Configuring local NDMP backup
- Configuring remote NDMP backups
- Preparing for NDMP backups
- Protecting a NetApp cDOT NDMP filer

Application Backup Concepts
- Understanding application needs
- Database backup and restore concepts
- Customizing generic application backups

Managing Oracle Backups
- Introduction to the Oracle database
- Configuring Oracle database backups
- Monitoring and maintaining Oracle database backups
- Oracle database disaster recovery considerations

Managing Microsoft SQL Backups
- Introduction to Microsoft SQL Server
- Configuring SQL Server Intelligent Policies
- Monitoring SQL Server database backups
- SQL Server disaster recovery considerations

Managing Microsoft SharePoint Backups
- Introduction to Microsoft SharePoint Server
- Configuring NetBackup for SharePoint policies
- SharePoint disaster recovery considerations

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

Enhancing Virtual Machine Protection
- Protecting virtual machines with applications
- Using NetBackup Accelerator for virtual machine backups
- Restoring individual VDMK files

Securing the NetBackup Environment
- Understanding security concerns in a backup environment
- Securing NetBackup port communication
- Encrypting NetBackup data
- Configuring NetBackup with access control
- Auditing NetBackup
- Understanding security certificates

Implementing NetBackup Cloud Solutions
- Using the cloud with NetBackup
- Configure NetBackup cloud storage
- Managing NetBackup cloud storage and cloud backups