COHESITY

Veritas NetBackup 10.4: Differences

Course Description

The *Veritas NetBackup 10.4: Differences* course is a self-paced, modular course with lab exercises. It is designed for the data protection professional tasked with deploying, configuring, maintaining, operating, and managing a Veritas NetBackup 10.4 environment.

In this course, you will learn about the new features and enhancements made to Veritas NetBackup 10.4.

Delivery Methods

This course is available in the following delivery method:

- Self-Paced eCourse with Lab

Duration

- Self-Paced eCourse with Lab – Self-paced lesson guide plus 6 months of lab access

Course Objectives

After completing this course, you will be able to describe the new features and enhancements made to the following areas in Veritas NetBackup 10.4:

- Alta Data Protection
- NetBackup Core and SAN Clients
- NetBackup Web UI
- NetBackup Virtualization Support
- NetBackup Media Server Deduplication and MSDP-C
- Database Protection and Kubernetes Support
- NetBackup Snapshot Manager
- Cloud Enhancements and SLIC Licensing

Who Should Attend

This course is intended for technical professionals responsible for designing, configuring, managing, monitoring, and supporting Veritas NetBackup 10.4.

Prerequisites

Students should be familiar with basic Windows and Linux administration. In addition, knowledge of Veritas NetBackup 10.0 concepts, features, and functionality along with database, MSDP, virtualization, and cloud technologies is required.

Hands-On

This course includes practical hands-on lab exercises and demos to apply your new skills in a virtual NetBackup domain.

Course Outline

Alta Data Protection Enhancements

- MSDP CloudScale RHEL 8.8 etcd Upgrade Requirements
- Upgrade Containerized Services
- Container-based PostgreSQL Deployment for NetBackup Database Service
- NetBackup Cloud Scale Deployment using Terraform Script

Core and SAN Client Enhancements

- Optional NetBackup IT Analytics Data Collector
- Support Manually Enable Predictive/Sampling Cache after Upgrade
- AWS Air-gap Renewing Token-based Authentication
- Turn ON Secure Defaults for Core NetBackup
- Generate Audit Events for Admin-CLI that lack Coverage using APIs
- Issue Certificate Expiry Alerts for ECA
- Make Client-Side Deduplication Configurable at the NBU Policy Level
- Turn Anomaly Detection ON by Default for Unstructured Data
- NetBackup: Refreshed Tokens for WebSocket Connection to Alta View

- Provision Infrastructure to Deploy and Enable the Downloaded NetBackup Extension
- Epic-Large-File
- Risk Engine v1: AI Approach to Securing Data Protection
- Collect NBU Client Version Information
- EEB Management Tool 2.0
- Integrate Workload-type Identifier (Physical/Virtual/Cloud) in nbdeployutil (Capacity/Traditional) XLS Report
- File Attributes Supplementing Entropy Computation: Persist Entropy and File Attributes Information in NBDB
- Malware Scan Improvements: Field Feedback - Phase 1
- Anomaly Detection Improvements: Field Feedback - Phase 1
- Multi-Person Authentication (MPA) 2.0 Support
- Adaptive MFA
- Update NBU Audit Events to Conform to OCSF Schema
- NetBackup Security: Smartcard (CAC/PIV) Authentication with TLS 1.3
- RHEL Pacemaker Cluster for NBU Services
- NetBackup Catalog File Recovery
- IBM SAN Volume Controller Plugin
- NetBackup Client Deployment using Ansible Playbooks
- SAN Client: FTMS Support on RHEL 8.8 on BYO and Appliance

Labs:

- Exercise A: Manually Enabling Predictive Cache and Sampling Cache After the Upgrade
- Exercise B: Configuring the Passphrase for Disaster Recovery
- Exercise C: Configuring the Epic-Large-File Policy Type
- Exercise D: Understanding the Configurable Options Present Under the Risk Engine
- Exercise E: Understanding the Enhancements to Workload Identifier in nbdeployutil
- Exercise F: Understanding Multi-person Authentication Enhancements
- Exercise G: Performing NetBackup Catalog File Recovery Using the Web UI

Demos:

- Configuring Veritas Alta Recovery Vault Amazon Storage Using Token-based Authentication
- Viewing Certificate Expiry Alerts for an External CA

NetBackup Web UI Enhancements

- Web UI Dashboard Jobs Link to Filters in Activity Monitor
- Storage Management V3 (Media Management)
- NetBackup Robot Inventory
- NetBackup Device Management

Labs:

- Exercise A: Managing Storage Media in the NetBackup Web UI
- Exercise B: Creating a Tape Storage Unit
- Exercise C: Performing Robot Inventory Operations
- Exercise D: Managing Robots Using the NetBackup Web UI

Database Enhancements

- Oracle Keep Until Time
- Oracle Archive Log Delete Until Time
- Oracle RBAC
- Oracle PDB Instant Access
- AWS RDS Oracle: Incremental/Archive Log and 21c Support
- RBAC on Jobs: MS SQL
- MSSQL Backup of Non-readable Secondary Availability Group Replicas
- PostgreSQL PIT Recovery
- PostgreSQL v15 Support for Ubuntu and SuSE
- MongoDB Support Service Account
- DBPaaS AWS RDS Proxy Support
- DBPaaS Security Enhancements

- SAP HANA Configuration Script
- Big Data: Cassandra 4.1 Proliferation
- Hadoop Improvements: Parallel Restore

Labs:

- Exercise A: Performing PIT Recovery in PostgreSQL
- Exercise B: Recovering MariaDB with the Original Timestamp
- Exercise C: Performing Hadoop Backup
- Exercise D: Restoring Hadoop Data Using Parallel Restore

Kubernetes Enhancements

- Support for Kubernetes Workload type for Malware Scanning
- Network Definitions Order of Operations upon Restore
- Kubernetes Accelerator Support
- Kubernetes Support: Incremental Backup

Labs:

- Exercise A: Performing Differential Incremental Backup
- Exercise B: Performing Cumulative Incremental Backup
- Exercise C: Performing Accelerator-based Backups
- Exercise D: Performing a Malware Scan
- Exercise E: Restoring the Kubernetes Workload

Virtualization Enhancements

- Nutanix AHV Category Support for Intelligent VM Group
- Improve Speed of Large VM Backup Jobs (Greater than 100 TB)
- VMWare: Granular RBAC-Support Access Control for Multiple VMware VMs in a Single UI Operation
- VMWare: vSphere vApps in Web UI Policy Clients Browse Tree
- VMware Integration Enhancements
- VMware Restore Resource Limits
- OpenStack Data Ingest: Backup from Snapshot Phase 3

Labs:

- Exercise A: Configuring Nutanix AHV Intelligent VM Group
- Exercise B: Configuring Access Control Role Permission on a VM
- Exercise C: Configuring Backups for vApp Virtual Machine
- Exercise D: Configuring VM Backup with Application State Capture
- Exercise E: Configuring VMware Restore Resource Limit

MSDP-C and MSDP Enhancements

- Ability to Manage SPWS Account Creation for MSDP
- Granularity of Deduplication Details
- GCP Object Lock Support
- STIG Compliance for MSDP Containers

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