

## Backup Exec 2010 – Differences

### COURSE DESCRIPTION

The *Backup Exec 2010 – Differences* course provides the IT professional with instruction on the functionality of Backup Exec 2010. This course covers the new features and enhancements made to Backup Exec 2010. This class covers how to install, configure, and work with Backup Exec 2010 features like Backup Exec Archive Option, Backup Exec Migrator for Enterprise Vault, and Deduplication. Students also learn how Backup Exec 2010 supports Windows Server 2008 R2, Exchange 2010, and Enterprise Vault 8.0.

#### Delivery Method

Instructor-led

#### Duration

Three days

#### Course Objectives

By the end of this course, you will be able to:

- Describe Backup Exec 2010 support for Windows server 2008 R2 and Windows 7 client.
- Describe Backup Exec 2010 support for Microsoft Windows Advanced Features.
- Install, configure, and use the Backup Exec Archive Option.
- Install, configure, and use Backup Exec Migrator for Enterprise Vault.
- Describe Backup Exec 2010 support for Exchange 2010.
- Describe Backup Exec 2010 virtualization enhancements.
- Describe Backup Exec 2010 support for data deduplication.
- Describe Backup Exec Agent for Enterprise Vault enhancements.

#### Who Should Attend

This course is for customers, system engineers, consultants, support staff, and applicable partners who need to install, deploy, configure, manage, and administer Backup Exec 2010.

#### Prerequisites

You must have working knowledge of Backup Exec for Windows Servers 12.5.

#### Hands-On

This course includes hands-on lab exercises, practical exercises, assessment items, and demonstrations that enable you to test your new skills and begin to transfer them into your working environment.

### COURSE OUTLINE

#### Lesson 1: Backup Exec 2010: Installation and Upgrade

- What is new in Backup Exec 2010
- Backup Exec installation prerequisites
- Installing Symantec Backup Exec for Windows 2010
- Upgrading to Symantec Backup Exec for Windows 2010
- Backup Exec 2010: End-of-life items

#### Hands-On Labs:

- Installing Backup Exec 2010
- Push installing Symantec Backup Exec 2010 Remote Agent utility

#### Lesson 2: Support for Windows Server 2008 R2 and Windows 7 Client

- Support for cluster shared volumes
- Support for native VHD in Windows 2008 R2
- Support for BitLocker
- Support for new and updated writers
- Support for Windows Restore Registry Key
- Desktop and Laptop Option

#### Hands-On Labs:

- Creating a VHD
- Detaching a VHD
- Attaching a VHD
- Push installing Symantec Backup Exec 2010 Remote Agent Utility
- Creating a backup-to-disk folder
- Backing up a VHD volume
- Restoring a VHD volume
- Detaching the VHD and viewing backing and restore selections
- Viewing and adding performance counters
- Backing up performance counter data and express writers
- Restoring performance counter data and express writer metadata

#### Lesson 3: Support for Microsoft Windows Advanced Features

- Support for File Server Resource Manager
- Support for distributed file system replication

#### Hands-On Labs:

- Installing File Server Resource Manager
- Setting disk quotas using File Server Resource Manager
- Generating reports using File Server Resource Manager
- Backing up FSRM components
- Restoring FSRM components
- Installing Distributed File System Replication on EX1
- Installing Distributed File System Replication on EX2
- Configuring Distributed File System Replication
- Backing up DFS replication data
- Restoring DFS replication data

- Performing a DFS replication redirect restore

#### **Lesson 4: Backup Exec Archiving Option**

- Enterprise Vault concepts
- Backup Exec Archive Option essentials
- BEAO architecture
- Backup Exec Agent for BEAO
- BEAO licensing
- Deploying BEAO
- Installing BEAO
- Configuring BEAO
- Setting up an archive job
- Executing an archive job
- Performing an administrative archive restore
- Deleting items from archives
- Indexing and administrative searches
- Accessing data using BE Retrieve
- Miscellaneous BEAO tasks
- Migrating from BE Archival to Enterprise Vault Archival
- EV recovery tools for BEAO restores
- Noteworthy BEAO Registry keys
- Troubleshooting BEAO issues

#### **Hands-On Labs:**

- Installing the Backup Exec Archive Option
- Installing the Backup Exec Agent for Exchange
- Assigning permissions to the Vault Service account on the Exchange server
- Creating a backup-to-disk folder
- Performing an Exchange backup
- Performing a file system backup
- Creating an Archiving Option Vault Store
- Creating a File System Archive job
- Creating an Exchange Archive job
- Restoring file system data from archives
- Restoring Exchange data from archives
- Searching for archived items
- Performing a redirect restore from archives
- Deleting archived items
- Generating archive reports

#### **Lesson 5: Virtualization Enhancements**

- MSVS Agent enhancements
- Backup Exec Agent for VMware virtual infrastructure enhancements

#### **Hands-On Labs:**

- Installing the Backup Exec Agent for Hyper-V
- Creating and configuring virtual machines
- Backing up virtual machines
- Backing up virtual machines using dynamic inclusion
- Excluding a virtual machine using dynamic inclusion
- Impact of excluding a virtual machine on dynamic inclusion
- Restoring a virtual machine
- Performing a virtual machine redirect restore
- Restoring a .vhd file
- Installing the Backup Exec Agent for VMware virtual infrastructure

- Installing VMware Infrastructure Client
- Installing VMware Converter
- Connecting to and configuring the ESX server
- Converting a VMware workstation machine to an VMware ESX server machine
- Adding the ESX server in Backup Exec
- Backing up an ESX server
- Viewing GRT selections for VMware virtual machines
- Restoring a VMware virtual machine
- Performing a redirect restore for a VMware virtual machine
- Restoring individual VMware virtual machine files and folders

#### **Lesson 6: Support for PureDisk Deduplication**

- PureDisk deduplication: Fundamentals
- Open storage technology: Fundamentals
- Enhancements to Remote Media Agent for Linux
- Backup Exec support for deduplication
- Installing the Deduplication Option
- Configuring the Deduplication Option
- Performing data deduplication

#### **Hands-On Labs:**

- Installing the Backup Exec Deduplication Option
- Verifying the Deduplication Option installation
- Creating a deduplication storage folder
- Configuring a Remote Agent with direct access
- Running a deduplication backup job
- Verifying data deduplication
- Restoring deduplication data

#### **Lesson 7: Backup Exec Agent for Enterprise Vault Enhancements**

- Backup Exec Agent for Enterprise Vault fundamentals
- Backup Exec Agent for Enterprise Vault enhancements
- Support for Enterprise Vault 8.0 protection
- Support for Enterprise Vault accelerators
- Backing up Enterprise Vault
- Restoring Enterprise Vault data
- Support for BE Archival Option protection
- Troubleshooting Enterprise Vault Agent issues

#### **Hands-On Labs:**

- Installing the Backup Exec Agent for Enterprise Vault
- Configuring Enterprise Vault
- Archiving Exchange data using Enterprise Vault
- Backing up Enterprise Vault components
- Restoring Enterprise Vault databases
- Restoring Enterprise Vault Vault Store
- Backing up BEAO components
- Restoring BEAO components
- Performing a redirect restore of BEAO components

#### **Lesson 8: Backup Exec Migrator for Enterprise Vault**

- Backup Exec Migrator: Fundamentals
- Backup Exec Migrator: Requirements
- Configuring Backup Exec Migrator
- Migrating Enterprise Vault archive data
- Retrieving migrated data
- Deleting migrated data

- Troubleshooting Backup Exec Migrator issues

**Hands-On Labs:**

- Creating a policy (DBA-initiated template) in Backup Exec
- Setting up Backup Exec Migrator in Enterprise Vault
- Configuring Enterprise Vault Collector and Migrator Options for BE Migrator
- Initiating Enterprise Vault Migration

**Lesson 9: Support for Exchange 2010**

- Exchange 2010 new features and enhancements
- Support for Exchange 2010 backups
- Support for Exchange 2010 restores