

Symantec Backup Exec 2012: Administration

COURSE DESCRIPTION

The *Symantec Backup Exec 2012: Administration* course is designed for the data protection professional tasked with backing up and restoring critical data. This hands-on class covers how to back up and restore data, configure storage devices, manage media, and maintain the Backup Exec database. Students also learn how to configure and work with various Backup Exec Agents, which protect applications like Microsoft Exchange, Microsoft SharePoint, and Microsoft SQL. The course also covers the Remote Agent for Linux and UNIX Servers, Agent for Active Directory, Virtual Environment Agents, and Backup Exec Private Cloud Services. In addition, students learn how to configure and work with Backup Exec Options, such as the Deduplication option and the Archiving Option. The new features and enhancements introduced in Backup Exec 2012 are also discussed in this course.

Delivery Method

Instructor-led training (ILT)

Duration

Five days

Course Objectives

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

- Describe the basic functions of Backup Exec 2012.
- Manage devices and media used by Backup Exec.
- Run basic backup jobs.
- Explain the new backup and restore workflows.
- Restore backed-up data.
- Tune device performance and maintain the Backup Exec database.
- Protect remote servers using the appropriate Remote Agent.
- Install, configure, and work with the following Backup Exec Options:
 - Deduplication Option
 - Archiving Options
- Use Backup Exec to protect databases and applications.
- Install, configure, and work with the following Backup Exec Agents:
 - Agent for Microsoft SQL Server
 - Agent for Microsoft Exchange
 - Agent for Microsoft SharePoint
 - Agent for VMware
 - Agent for Microsoft Hyper-V
 - Agent for Active Directory
 - Remote Agent for Linux and UNIX Servers

- List the supported virtual conversion configurations.
- Create a custom Simplified Disaster Recovery SDR disk.
- Use Simplified Disaster Recovery SDR for disaster recovery.
- List the types of Backup Exec private cloud services offerings.
- List the new features and enhancements made to Backup Exec 2012.
- List the End of Life items.

Who Should Attend

This course is for system administrators, system engineers, technical support personnel, consultants, network administrators, backup administrators, backup operators, and others who are responsible for installing, configuring, and administering Backup Exec 2012.

Prerequisites

You must have administration and configuration knowledge of the Windows Server 2003 and Windows Server 2008 platforms. You must also have experience configuring server software and hardware. Knowledge of domain security and experience with Active Directory and Windows Server 2008 are recommended.

Knowledge of the following applications is beneficial, but not required:

- Microsoft SQL Server
- Microsoft Exchange Server
- Symantec Enterprise Vault
- Microsoft SharePoint Portal Server
- Microsoft Hyper-V
- VMware virtual infrastructure

Hands-On

This course includes practical exercises that enable you to test your new skills and begin to transfer them to your working environment. Additionally, assessment items at the end of each lesson test your knowledge and comprehension of the information provided.

COURSE OUTLINE

Symantec Backup Exec 2012: Install and Configure

Course Introduction

- About this course
- Symantec's Education and Support resources
- Typographic conventions used in this course

Backup Exec Fundamentals

- Data backup basics
- Symantec's backup solution offerings



- Backup Exec 2012 essentials
- Backup Exec architecture

Installing Backup Exec 2012

- Installing the Backup Exec server
- Launching Backup Exec 2012
- Updating Backup Exec 2012
- Upgrading to Backup Exec 2012

Storage Devices

- Devices and media
- Configuring storage devices
- Managing devices

Data Management

- Managing media
- Media catalogs

Backing Up Data

- Backup job basics
- Configuring backup jobs
- Running backup jobs
- Backup and Restore view
- GRT- enabled backups
- Configuring Backup Exec to determine file backup
- System state backup

Restoring Data

- Restore job basics
- Running restore jobs
- Simplified Disaster Recovery: Server Restore workflow

Simplified Disaster Recovery

- Simplified Disaster Recovery fundamentals
- What is new in Disaster Recovery?
- Simplified Disaster Recovery: Backup
- Creating a custom SDR disk
- Using SDR for disaster recovery

Virtual Machine Conversion

- Conversion to virtual machines fundamentals
- Virtual conversion options
- Virtual conversion workflows

Database Maintenance

- Backup Exec database

What Is New in Backup Exec 2012

- Backup Exec 2012: Core product enhancements
- Backup Exec 2012 Agents: New features and enhancements
- Backup Exec 2012 options: New features and enhancements

End of Life Items

- Discontinued Backup Exec features
- Discontinued ancillary features and requirements

Tape Device management

- Tape device management

Symantec Backup Exec 2012: Manage and Administer

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Remote Agents

- Agent for Windows
- Agent for Linux
- Agent for Microsoft Active Directory

Agent for Applications and Databases

- Agent for Applications and Databases fundamentals
- Installing the Agent for Applications and Databases
- Applications supported by the Agent for Applications and Databases
- Agent for Microsoft Active Directory

Agent for Microsoft SQL Server

- Microsoft SQL Server fundamentals
- Agent for Microsoft SQL Server basics
- Backing up a Microsoft SQL Server
- Restoring a Microsoft SQL Server database

Agent for Microsoft Exchange Server

- Microsoft Exchange Server basics
- Agent for Microsoft Exchange Server fundamentals
- Backup Exec 2012 support for Exchange 2010
- Backing up Exchange
- Restoring Exchange

Agent for SharePoint Server

- SharePoint agent overview
- Backing up SharePoint
- Restoring SharePoint

Virtual Environment Agents

- Virtualization technologies
- Using the Agent for VMware
- Using the Agent for Microsoft Hyper-V
- Microsoft application data on virtual machines

Deduplication Option

- Data deduplication and Open Storage
- Backup Exec support for deduplication
- Installing the Deduplication Option
- Configuring the Deduplication Option



- Performing data deduplication
- Optimized duplication for GRT

Backup Exec Private Cloud Services

- Backup Exec private cloud services basics
- Types of Backup Exec private cloud services offerings
- Backup Exec private cloud services features
- Troubleshooting Backup Exec private cloud services

Archiving Options for Backup Exec 2012

- Introduction to the Archiving Option
- Installing the Archiving Option
- Archiving Microsoft Exchange mailboxes
- Archiving the File System
- Creating an archive job
- Restoring data from archives
- Protecting Archiving Option components

Symantec Backup Exec Central Admin Server Option

- Central Admin Server Option
- Requirements for installing CASO
- How to choose the location for CASO storage and media data
- About installing the Central Admin Server Option
- About Managed Backup Exec Server configuration options
- Upgrading an existing CASO installation
- Changing a Backup Exec server to a central administration server
- Changing a Backup Exec server to a managed Backup Exec server
- Reducing network traffic in CASO
- CASO catalog locations
- About alerts and notifications in CASO
- Job delegation in CASO
- Adding storage devices in a CASO environment
- About recovering failed jobs in CASO
- Troubleshooting CASO



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