

# Symantec Backup Exec 11d for Windows Servers: Administration I and II

## COURSE DESCRIPTION

This course covers how to install and configure Backup Exec 11d for Windows Servers, create backup policies, run backup jobs, and create and run restore jobs. Students will also learn tape configuration and media rotation methods, as well as how to troubleshoot Backup Exec.

This course also covers advanced functions of Backup Exec 11d for Windows Servers, such as configuring advanced settings, managing the Backup Exec database, and using Remote Agents to protect Windows, Linux, and UNIX servers.

Advanced features and functions of Backup Exec 11d for Windows Servers are also discussed, primarily focusing on add-on agents and options that enhance the functionality of Backup Exec. A high-level overview of the Backup Exec System Recovery product is also provided.

### Delivery Method

Instructor-led

### Duration

Five days

### Course Objectives

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

- Describe the basic functions of Backup Exec.
- Configure different types of devices for use with Backup Exec.
- Manage media used by Backup Exec.
- Create Backup Exec backup jobs.
- Apply backup, media rotation, and tape flow models to a data protection environment.
- Configure job policies and templates.
- Effectively manage Backup Exec activity.
- Configure advanced Backup Exec functions.
- Manage, maintain, troubleshoot, and protect the Backup Exec database.
- Back up various types of servers and workstations using remote agents.
- Protect open files and manage shortened backup windows using the Advanced Open File Option.
- Use database agents to back up different types of databases running on remote systems.
- Perform synthetic backups and off-host backups using the Advanced Disk-Based Backup Option.

- Automate file protection for users' desktop and laptop computers using the Desktop and Laptop Option.
- Use the Central Admin Server Option to manage multiple media servers.
- Use Continuous Protection Server.
- Describe how to recover a complete system using Backup Exec System Recovery.

### Who Should Attend

This course is for system administrators, system engineers, technical support personnel, consultants, network administrators, backup administrators, backup operators, and others who will be responsible for installing, configuring, and administering Backup Exec 10d for Windows Servers.

### Prerequisites

You should have working knowledge of administration and configuration of the Windows 2000 and Windows 2003 platforms, and you should have experience configuring server software and hardware. Knowledge of domain security and experience with Active Directory are recommended. Knowledge of MS-SQL Server is beneficial, but not necessary.

### Hands-On

This course includes practical exercises that enable you to test your new skills and begin to transfer them into your working environment.

## COURSE OUTLINE

### Administration I

#### Course Introduction

- About This Course
- Symantec's Education and Support Resources
- The Backup Exec 11d Product

#### Backup Exec Basics

- Backup Exec Architecture
- Installing a Media Server
- Running a Basic Backup Job
- Running a Basic Restore Job

#### Devices

- Types of Devices
- Configuring Devices in Backup Exec
- Device Pools
- Advanced Device Configuration

## **Media**

- Media Terms and Concepts
- Managing Media in Backup Exec
- Media Catalogs
- Media Sets
- Advanced Media Functions

## **Backup Jobs**

- Selection Lists
- Device and Media Settings
- Schedules
- Additional Backup Job Settings

## **Data Protection – Part 1**

- Backup Methods
- Media Rotation Methods
- Tape Flow

## **Data Protection – Part 2**

- Policies
- Templates
- Duplication
- Verification
- Vaulting

## **Data Protection – Part 3**

- Monitoring Backup Exec Activity
- Controlling Backup Exec Activity
- Restoring Data

## **Advanced Backup Exec Management**

- Backup Exec Configuration Settings
- Symantec Live Update
- User-Defined Selections
- The Remote Administrator
- Active Directory Considerations
- Backup Exec Utilities

## **Managing the Backup Exec Database**

- Backup Exec Database Overview
- Database Maintenance Tasks
- Database Recovery Tasks
- Defining the Database Location
- Setting Database Access Privileges

## **Remote Agents**

- Remote Agent for Windows Servers (RAWS)
- Remote Agent for Linux and UNIX Servers (RALUS)
- Workstation Agents

## **Administration II**

### **Advanced Open File Option (AOFO)**

- AOFO Overview
- Installing AOFO
- Setting AOFO Defaults for Backup Jobs
- Advanced AOFO Functions

### **Database Agents**

- Database Agents Overview
- Agent for MS-SQL Server
- Agent for Microsoft Exchange Server

### **Advanced Disk-Based Backup Option**

- Advanced Disk-Based Backup Option Overview
- Performing Synthetic Backups
- Performing Off-Host Backups

### **Desktop and Laptop Option (DLO)**

- DLO Overview
- Installing DLO
- Configuring DLO
- Restoring Files Using DLO
- Monitoring DLO
- Advanced DLO Functions

### **Central Admin Server Option (CASO)**

- CASO Overview
- Installing and Configuring CASO
- Backing Up Files Using CASO
- Monitoring CASO

### **Continuous Protection Server**

- CPS Overview
- Installing and Configuring CPS
- CPS Jobs
- Restoring CPS Data
- Integrating CPS With Backup Exec
- Monitoring CPS Activity

### **Backup Exec System Recovery (BESR)**

- BESR Overview
- Installing BESR
- Configuring BESR
- Using BESR