

[CVPv11]: COMMVAULT PROFESSIONAL (v11)

Length : 5 Days
Delivery Method : Instructor-led (Classroom)

Course Overview

Learn essential skills for installing and configuring Commvault® software to protect data in virtual and physical infrastructures. This 5-day course provides all the information needed to get your Commvault environment up and running including: CommServe® server configuration, MediaAgent design, agent deployment, storage configuration, and data security. The class is balanced between technical discussions using detailed diagrams and white board sessions, and hands -on labs using Education Services CVLab environment focusing on both the Admin Console and the CommCell® Console.

Audience Profile

This course is intended for personnel responsible for day-to-day administration and management of Commvault® software.

Core Fundamentals Certification Exam

A Commvault Certified Professional certification validates the skills required to install, configure, and administer a CommCell® environment using both the CommCell Console and Admin Console. It proves a professional level skillset in the following areas:

- CommCell Administration – user and group security, configuring administrative tasks, conducting data protection and recovery operations, and CommCell monitoring
- Storage Administration – deduplication configuration, disk library settings, tape library settings, media management handling, and snapshot administration
- CommCell Implementation – CommServe® server design, MediaAgent design and placement, indexing settings, client and agent deployment, and CommCell maintenance

Exam Specifics:

- Total Questions: 40
- Time Allotment: 90 Minutes
- Passing Grade: 75% (30 correct answers)

Pre-Requisites

It is recommended that you watch the Welcome to Commvault® e-Learning course. This course is included at no additional cost, as a part of the Commvault Professionals registration, and is recommended to be completed prior to attending this course.

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Course Outline

Module 1: CommCell® Deployment

Lessons

- Next Generation Platform overview
- Physical architecture
- Logical architecture
- Web console
- Admin console
- CommCell console
- Commvault® component system requirements

Module 2: Software Implementation

Lessons

- Downloading Commvault® software
- CommServe® server installation and configuration
- MediaAgent installation and configuration
- Ransomware risk mitigation
- Role based security

Module 3: Disk, Deduplication, and Cloud

Lessons

- Storage overview
- Disk library design and configuration
- Cloud library configuration
- Deduplication overview concepts
- Transactional deduplication database
- Partitioned deduplication database
- Data verification

Module 4: Tape Libraries

Lessons

- Tape library design and configuration
- Tape media management

Module 5: Storage Policies

Lessons

- Storage policy overview
- Storage policy configuration
- Storage policy administration
- Global secondary copies
- Retention overview

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- Job based retention
- Additional retention settings

Module 6: Servers and Server Groups

Lessons

- Server tree structure
- Server administrative tasks using the CommCell® console
- Admin console concepts
- Commvault agents
- Agent installation methods
- Server groups

Module 7: File Server Solution

Lessons

- File server solution overview
- Add a solution
- Data protection plans
- Subclients
- Filtering

Module 8: Protecting Virtual Environments

Lessons

- Virtual protection overview
- Transport modes
- VSA filtering
- VSA application aware backup
- Adding a virtualization solution
- Admin console VSA tasks
- VSA backup options
- VSA recovery methods

Module 9: Snapshots and Block Level Backups

Lessons

- Snapshot overview
- IntelliSnap® technology
- Block-level backups
- Snapshot configuration
- Managing snapshots

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Module 10: Job Management

Lessons

- Data protection overview
- Job initiation methods
- DASH Full and DASH Copy jobs
- Scheduling and schedule policies
- Managing active jobs
- Data recovery operations
- Data encryption
- Firewall configuration and network topologies

Module 11: Maintenance and Tuning

Lessons

- Monitoring resources
- Alerts
- Reports
- CommCell® tools
- Performance tuning

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