

# Cohesity Data Protection Operations

The Cohesity Data Protection Operations course is a two-day technical class focused on teaching backup administrators how to best utilize Cohesity DataProtect to protect their data.

The Data Protection Operations training course teaches common Cohesity DataProtect workflows. Students will be introduced to new data protection concepts realized with Cohesity's revolutionary platform.

Lab access is included with this course and expires six months after being assigned. Students of this course will automatically be assigned a self-paced M365 Protection eCourse that includes workflows for Self-Managed and CCS (Cohesity Cloud Services) DataProtect as a Service.

## Course Highlights

- Instructor-led demonstrations of common workflows.
- Hands-on labs for registering, protecting, and recovering various sources.

## Learning Objectives

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

- Describe the architecture and key components of Cohesity DataProtect across physical servers, virtual machines, applications, and NAS environments.
- Register and configure protection sources using agent-based and API-based methods for physical, virtual, and NAS systems.
- Create, manage, and optimize Protection Groups and Protection Policies to meet organizational backup, retention, and compliance requirements.
- Execute backup and recovery workflows for physical servers (Windows and Linux), hypervisors (VMware, Hyper-V, Nutanix, RHV), applications, and NAS sources.
- Monitor and troubleshoot data protection operations using Cohesity dashboards, alerts, reports, and logs.
- Apply advanced features such as DataLock and extended retention to enhance data security and operational efficiency.
- Perform file-level, volume-level, and instant recovery tasks for supported platforms.
- Modify Protection Groups and policies, run on-demand backups using Run Now, and pause, resume, cancel, or retry protection and recovery jobs.
- Use search and filters to locate objects, jobs, and recovery points, resubmit failed recoveries, and apply daily operator best practices.

## Key Benefits

- **Enhanced Data Resilience and Compliance:** Enables administrators and operators, to configure, manage, and validate reliable protection for critical business data across physical, virtual, NAS, and application environments—supporting regulatory compliance and business continuity.
- **Operational Efficiency and Cost Optimization:** Allows learners to streamline backup operations using policy-driven automation, efficient incremental backups, deduplication, and flexible scheduling—reducing manual effort and optimizing storage utilization.
- **Improved Auditability and Reporting:** Enables administrators to monitor, analyze, and report on data protection status, SLA adherence, and recovery readiness using comprehensive alerting and reporting tools—supporting audits and informed decision-making.
- **Future-Proof Data Protection Strategy:** Prepares staff to adapt to evolving business needs, new workloads, and changing compliance requirements by leveraging Cohesity's scalable, multi-platform data protection capabilities.

## Intended Audience

- Cohesity DataProtect Operators & Administrators
- Backup Administrators and Operators
- Cohesity Professional Services Engineers
- Cohesity Sales Engineers
- Implementation Consultants
- Support Engineers

## Prerequisite Skills

- Prior experience performing backup and recovery tasks.
- Basic System Administration skills (Linux, Windows, and Hypervisors).
- Basic understanding of computer networking, security, and storage.

## Training Prerequisites

- Cohesity Platform Foundations (required)

## Course Syllabus

### Lesson 01: Lesson 01: Data Protection Concepts

- Cohesity DataProtect Overview
- Understanding Protection Group Settings
- Working with Scheduling Options

### Lesson 02: Protecting Physical Servers

- Physical Source Overview
- Cohesity Agents
- Windows Block-Based Protection
- Windows File-Based Protection
- Protecting Linux Systems
- Bare Metal Recovery (BMR)

### Lesson 03: Protecting Hypervisor VMs

- Virtual Machine Overview
- VMware Protection
- Hyper-V Protection
- Nutanix Acropolis Protection

### Lesson 04: Protecting NAS Devices

- NAS Source Overview
- Generic NAS Protection
- NetApp Protection
- Isilon Protection

### Lesson 05: Protecting Applications and Databases

- Applications Overview
- Protecting and Recovering Active Directory
- Protecting and Recovering Exchange
- Database Overview

### Lesson 06: Understanding Data Protection Operations

- Daily Operations and Maintenance
- Monitoring Overview

Learn more information contact [academy@cohesity.com](mailto:academy@cohesity.com)

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