

# Cohesity SmartFiles Administration

The Cohesity SmartFiles Administration class is a two-day, instructor-led technical course focused on teaching IT professionals how to best utilize Cohesity SmartFiles to store, protect, and search their data.

After an overview of the Cohesity Data Cloud platform interface and its features, students will be introduced to new concepts realized with Cohesity's revolutionary platform. Lab access is included with this course and expires six months after being assigned.

## SmartFiles Administration Training

### Course Objectives

By the end of this course the learner should be able to:

- Identify key Cohesity SmartFiles features
- Recognize the key use cases enabled by SmartFiles
- Create, protect, archive and recover Cohesity View's data
- Migrate existing data to a Cohesity View
- Gain familiarity with common SmartFiles workflows and learn to perform basic troubleshooting

### Intended Audience

- NAS/Storage Administrators
- System Administrators
- Cohesity Administrators

### Prerequisite Skills

- Prior experience managing NAS or other File and Object Services
- Basic System Administration skills (Linux, Windows, VMware)
- Basic Layer 2 Networking and familiarity with Cloud/S3 storage

### Training Prerequisites

- Cohesity Platform Foundations eCourse

## Course Syllabus

### Course Introduction

- Course Overview

### SmartFiles Overview

- Cohesity Data Cloud platform Overview
- What is Cohesity SmartFiles?
- SmartFiles Use Cases

## Key Benefits

- Instructor-led demonstrations of common workflows including 'Creating and Protecting Cohesity Views' and 'External NAS Tiering'
- Hands-on labs for 'Creating and Protecting Views', 'Migrating SMB and NFS NAS data to a Cohesity View', and 'Replicating and Archiving a Cohesity View'

## Storage Domains

- Overview of Storage Domains
- Storage Domain Configuration Options

## Views

- Overview
- View creation workflows
- Advanced Settings

## Views Protection, Recovery, and Cloning

- View Data Protection Workflows and Configuration Settings
- View Recovery Workflows
- View Cloning Workflows

## NAS Data Migration

- Overview of NAS Migration and its Use Cases
- NAS Data Migration Workflows

## NAS Data Tiering

- Overview of NAS Data Tiering and its Use Cases
- NAS Data Tiering Workflows (Up-tiering and Down-tiering Data)

## Long Term Retention and Disaster Recovery

- CloudArchive and Replication Overview
- CloudArchive Workflows and Configuration Options
- CloudRetrieve
- Replication Workflows and Configuration Options

## CloudTier

- Overview of Cohesity CloudTier and
- Key Terms
- Configuration
- Considerations

## Cohesity Marketplace Apps

- Overview
- Requirements
- Enabling Apps Management and Apps Installation
- Cohesity Insight
- ClamAV

## Security

- Platform Encryption
  - Data-At-Rest Encryption
  - Data In-Flight Encryption
- Access Management
  - Authentication and RBAC
  - Active Directory Integration
  - View Authentication and Permissions
  - Protocol Specific Security Options
- Data Compliance
  - DataLock
  - File DataLock
  - Legal Hold
  - Cloning a View as a DataLock View

## Operations, Monitoring and Troubleshooting

- Advanced Configurations
  - Networking
- Auditing
  - Cluster Audit Logs
  - File Services Audit Logs
- Reporting
  - Overview
  - Storage/Capacity Reporting
  - Protection Group Reporting
  - Object Reporting
  - Status Reporting
- Troubleshooting Tools Overview
  - Cohesity Documentation & Support
  - GUI Tools
  - CLI Tools
- Troubleshooting Examples
- Troubleshooting Checklist

## Close and Q&A

- Questions and Answers
- Survey Completion
- Additional Feedback

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

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