Cohesity Data Protection for SQL Database Administrators

The Cohesity Data Protection for Microsoft SQL Database Administrators class is a one-day technical class focused on teaching database administrators how to best utilize Cohesity DataProtect to protect their databases.

The course is structured to be flexible to match the use cases that customers may encounter. After providing an overview of Cohesity DataProtect and its features, students will be introduced to concepts realized with Cohesity's revolutionary platform.

Topics covered will include common and advanced workflows for Microsoft SQL.

Key Benefits

- A detailed review of the options available for protecting Microsoft SQL databases, and how to create and protect Cohesity Views

- Hands-on labs for 'Protecting and Recovering Standalone, AAG, and FCI Microsoft SQL Instances'

Data Protection for SQL Database Administators Training

Course Objectives

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

- Identify key Cohesity DataProtect features

- Recognize the key use cases enabled by DataProtect

- Register, protect and restore multiple types of SQL data sources

- Review workflows and troubleshooting

- Utilize best practices in working with Cohesity support

Intended Audience

- Database Administrators

- Backup/System Administrators

Prerequisite Skills

- Prior experience performing database backup and recovery tasks

- Basic System Administration skills (Windows and VMware)

- Experience with Microsoft SQL

Training Prerequisites

- None

Course Syllabus

Introductions (10 minutes)

- Class Introduction
- Course Overview

Lab Overview (10 minutes)

- Review the Lab Environment

Core Concepts (30 minutes)

- Cohesity Overview
- Data Protection Overview
- Snapshot Overview
- Cohesity Views
  - Workflow Theory
  - Protection
  - Recovery
  - Archive
  - Replication

Data Protection: Microsoft SQL (3.5 hours)

- Overview
- Options and Features
- Native Backup to a Cohesity View
- Registration, Protection, and Recovery Workflows
  - Standalone Servers
  - Always On Availability Group (AAG) SQL Servers
  - Failover Cluster Instance (FCI) SQL Servers

- Labs (90 minutes):
  - Traditional Backup Targets (20 minutes)
    - Create an SMB View to Use for Storing Native SQL Backups
    - Configure SQL to Back Up to a Cohesity View
    - Create a Protection Job for a Cohesity View
  - Standalone (20 minutes)
    - Install the Physical Agent on a Standalone SQL Server
    - Register a Standalone SQL Server Source with the Cohesity Cluster
    - Create a Protection Job and Policy to Back up a Standalone SQL Server
    - Restore a SQL Database to the Original Host
    - Restore a SQL Database to an Alternate Host
    - Restore a SQL Database to a Specific Point in Time
    - Perform an On-demand Restore of a SQL Database
    - Use the Cohesity Dev/Test Workflow to Clone and Attach a SQL Database with a Database Instance

  - Always On Availability Groups (AAG) (25 minutes)
    - Create a Protection Job and Policy to Back Up a SQL AAG cluster
    - Restore a Database to a SQL AAG Cluster
    - Join a Restored Database Back to a SQL AAG to Make It Resilient
  - Failover Cluster Instance (25 minutes)
    - Register a SQL FCI Source with a Cohesity Cluster
    - Create a Protection Job and Policy to Back Up a SQL FCI
    - Restore a Database to a SQL FCI

Close and Q&A (10 minutes)

- Questions and Answers
- Exam (optional)
- Survey Completion
- Additional Feedback

For more information contact academy@cohesity.com.

COHESITY