Protecting SQL Server

Category: Infrastructure & IT Operations | **Vendor:** NetApp

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This course covers the deployment of the SnapCenter Plug-in for Microsoft SQL Server. In this course, you learn about the features of the plug-in and how to install and perform initial configuration of the plug-in. You learn how to protect, clone, and restore Microsoft SQL Server databases by using SnapCenter software. Through instructor-led presentations, you gain knowledge about these topics. Hands-on exercises provide you with experience in performing these tasks.

About This Course

This course covers the deployment of the SnapCenter Plug-in for Microsoft SQL Server. In this course, you learn about the features of the plug-in and how to install and perform initial configuration of the plug-in. You learn how to protect, clone, and restore Microsoft SQL Server databases by using SnapCenter software. Through instructor-led presentations, you gain knowledge about these topics. Hands-on exercises provide you with experience in performing these tasks.

Who Should Attend

- NetApp and NetApp Partner Professional Services
- Systems Engineers
- NetApp Customers

Prerequisites & Entry Requirements

General Prerequisites:

- ONTAP Cluster Administration (ONTAP9ADM) and ONTAP Data Protection Administration (DATAPROT9) or
- ONTAP Cluster Administration and Data Protection Bundle (CDOTDP9)
- SnapCenter Fundamentals WBT
- SnapCenter Administration (SCADMIN)

Learning Outcomes

Upon successful completion of this course, participants will be able to:

In this course, you will learn the following:

- Describe the features of the Microsoft SQL Server Plug-in
- List the workflow for using SnapCenter software to protect Microsoft SQL Server databases
- Explain how SnapCenter software uses NetApp technology to protect SQL Server databases
- Illustrate the recommended NetApp storage layouts to support SQL Server data
- Describe data protection strategies for SQL Server databases by using SnapCenter software
- Demonstrate how to configure and perform SQL Server database backups by using SnapCenter software
- Demonstrate SQL Server database restores that use SnapCenter software
- Describe cloning strategies that use SnapCenter software and NetApp technology
- Build alerting and reporting operations for Plug-in for SQL Server

Detailed Course Outline

Module 1: SnapCenter Plug-In for Microsoft SQL Server Overview

- Features
- MS SQL server data protection workflow

Module 2: Getting Started with the SnapCenter Plug-In for MS SQL Server

- Prerequisite tasks for using the Plug-In
- Installation steps for the Plug-in
- Plug-in configuration
- Storage layout recommendations and restrictions

- Storage design for a virtualized environment

Module 3: Data Migration

- Resource wizard
- Importing from SnapManager software

Module 4: Creating and Backing up SQL Server Resources

- Data protection strategy
- Backing up SQL server databases

Module 5: Restoring SQL Server Resources

- Defining a restore strategy
- Restoring SQL server databases

Module 6: Cloning SQL Server Databases

- Defining a cloning strategy
- Cloning a SQL server database backup
- Splitting a SQL server cloned database
- Clone lifecycle management

Module 7: Monitoring and Managing SQL Server Operations

- Monitoring operations

- Canceling a database backup operation
- Monitoring and managing a thin-provisioned environment
- Setting thresholds, alerts and reports

Labs:

- Configuring SnapCenter and install plug-ins for MS SQL Server
- Migrating databases
- Protecting a MS SQL server database
- Restoring a MS SQL server database
- Cloning a MS SQL server database
- Performing management and monitoring tasks by using SnapCenter software and NetApp ONTAP system manager

Appendix A - Challenge labs:

- Migrating a database from existing volume to a new volume
- Configuring backup and replication for the newly migrated database
- Configuring a clone lifecycle for the development team
- Performing a point-in-time restore to remove database corruption

Skills You Will Learn:

In this course, you will learn the following:

- Describe the features of the Microsoft SQL Server Plug-in
- List the workflow for using SnapCenter software to protect Microsoft SQL Server databases
- Explain how SnapCenter software uses NetApp technology to protect SQL Server databases
- Illustrate the recommended NetApp storage layouts to support SQL Server data
- Describe data protection strategies for SQL Server databases by using SnapCenter software
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Frequently Asked Questions

Q: What delivery options are available for Protecting SQL Server?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 2-day Protecting SQL Server course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Protecting SQL Server training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Protecting SQL Server?

Yes, we provide corporate training, dedicated training, and closed classes for Protecting SQL Server. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Protecting SQL Server, NetApp Data Protection Software, PROTSQL

Q: Why choose Nexus Human for Protecting SQL Server?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Protecting SQL Server training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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