



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Protecting SQL Server

| CODE: | LENGTH: | PRICE: |
|-------------|-------------------|-----------|
| NEP_PROTSQL | 16 Hours (2 days) | €1,900.00 |

Description

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.

Objectives

- 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

Audience

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

Prerequisites

The following 5 day instructor led class is required.. [**OT-CLU-DPA - ONTAP Cluster Administration and Data Protection**](#)
In addition to the following 3 day instructor led class.. [**SNAP-C-ADM - NetApp SnapCenter Administration**](#)
The SnapCenter Fundamentals free of charge elearning is also required which can be accessed directly from the NetApp Learning Centre. Please contact us for further help as required
[**Contact Us**](#)

Programme

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

Session Dates

| Date | Location | Time Zone | Language | Type | Guaranteed | PRICE |
|-------------|----------------------------------|-----------|----------|-----------|------------|-----------|
| 19 Aug 2024 | Virtual Classroom (CET / UTC +1) | CEDT | English | Classroom | | €1,900.00 |
| 07 Oct 2024 | Virtual Classroom (CET / UTC +1) | CEDT | English | Classroom | | €1,900.00 |
| 09 Dec 2024 | Virtual Classroom (CET / UTC +1) | CET | English | Classroom | | €1,900.00 |

Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)