

Installation, Configuration and Management of System Center Data Protection Manager 2016

Learn via: **Classroom / Virtual Classroom / Online**

Duration: **5 Gün**

Overview

This five-day instructor-led course provides delegates with the knowledge and skills to protect and recover data using System Center Data Protection Manager 2016 (DPM).

Target Audience

This course is intended for backup system administrators. Knowledge of operating systems and backup devices is assumed.

Prerequisites

- Technical knowledge of operating systems and backup devices.
- Basic understanding of Microsoft Workloads.
- Ideally some data protection experience in one or more of the following areas: File Servers, Exchange, SQL Server, Virtual Machines

What You Will Learn

At the end of this course you will be able to:

- Plan a DPM deployment.
- Install and configure DPM and the protection agent.
- Protect basic workloads with DPM
- Protect client workstations with DPM
- Protect enterprise applications Microsoft Exchange, Microsoft SQL Server, Microsoft SharePoint Services and virtual machines using DPM.
- Backup and recovery of data with DPM servers.
- Backup and restore system state and bare metal recovery with DPM servers.
- Backup and restore Hyper-V virtual machines
- Using generic VSS provider backup and restore
- Enable end user recovery tools for the file system and SQL databases
- Protect and Recovery DPM Servers
- Identify and resolve problems with DPM servers, protection agents, and protected data.

Outline

Module 1: Introducing Data Protection and Disaster Recovery

This module discusses disaster recovery basics, describes the System Center Data Protection Manager 2016 architecture, and discusses the planning process required to implement DPM-based disaster recovery and data protection in an enterprise environment.

Module 2: Installing and Configuring DPM 2016

This module discusses system requirements for the DPM 2016 server, provides step-by-step instructions for installing DPM servers and protection agents on enterprise systems, and discusses troubleshooting techniques for resolving issues you may encounter.

During lab exercises that accompany this module, you will install DPM prerequisite software, install a DPM server, perform initial required configuration tasks, and perform selected tasks to enable optional DPM features and functions.

Module 3: Enabling Protection of Windows Servers

This module will look at the initial setup of protection groups and enabling basic backup functions for file services, system state and bare metal recovery. This will enable the understanding to protect operating systems in the event of failure

During lab exercises that accompany this module you will create protection groups to complete backups of the file system, system state and bare metal recovery, ready for recovery scenarios.

Module 4: Extending DPM Protection to Enterprise Applications

This module explains how to extend data protection to Exchange Servers, SQL Servers, SharePoint and Clustered servers, and Hyper-V Virtual Machines, as well as Generic VSS resources by installing protection agents and configuring protection groups..

During lab exercises that accompany this module, you will install protection agents on an Exchange Server, a SQL Server, a SharePoint server, create protection groups on the DPM server, and monitor data collection.

Module 5: Managing Windows Client Backup

This module will investigate the new features of workstation or client backup with DPM. This will include protection group creation and management. It will also show how the client components work to enable end users to add additional content for backup.

The lab for this module will show how to enable client back, best practices for managing the backup and how to restore the client data.

Module 6: Examining Protected Data Backup and Recovery

This module provides step-by-step instructions to prepare for recovery of DPM servers, recover and restore system states, bare metal backups and protected data for the DPM Server, Exchange Servers, SQL Servers, and SharePoint.

Module 7: Troubleshooting and managing DPM 2016

This module provides an overview of techniques for monitoring, reporting and troubleshooting DPM environments to resolve DPM Server and protection agent issues. Topics also introduce how to use the Windows PowerShell-based DPM Management Shell to manage and maintain DPM environments and how to use Operations Manager 2016 to manage multiple DPM instances

During lab exercises that accompany this module, you will use DPM tools and utilities to perform typical maintenance, monitoring and repair tasks.

Module 8: Optional Scenario Labs

This optional lab module enables the delegate to either undertake some of the prebuilt lab exercises, including Virtual Machine recovery, Exchange Server disaster recovery and DPM to DPM protection or to create their own scenario's which are relevant to their environment and test their skills to ensure they have the ability to recovery and the corporate systems