



コースコード : NA-MSSP

税抜価格 : 475,000円

日数 : 5日間

受講対象者

NetApp and partner Professional Services personnel, NetApp and partner system engineers, and customers

コース概要

Learn how to implement your Microsoft® SharePoint® solution on NetApp storage for maximum benefit. In this course, you examine the components of the SharePoint solution on NetApp storage and explore how to configure the components for maximum benefit. Through hands-on exercises, you migrate SharePoint data to NetApp storage and leverage SnapManager® for SharePoint (SMSP) to back up and restore the data. You use Remote Blob Storage (RBS) to optimize the storage of SharePoint data on NetApp storage. You also recover and monitor data, and troubleshoot the SharePoint on NetApp solution.

目的

By the end of this course, you should be able to:

- Identify the main components of SharePoint collaboration software
- Diagram three prevalent SharePoint farm topology examples (small, medium, large)
- Describe the main SnapManager for SharePoint (SMSP) concepts and components
- Describe the benefits of deploying SharePoint on NetApp storage systems



- Prepare NetApp storage systems to store SharePoint data
- Use SMSP to migrate SharePoint data onto NetApp storage
- Use SMSP to back up and restore SharePoint data on NetApp storage
- Explain the concepts that are involved in optimizing storage of SharePoint data on NetApp storage
- Configure Real-Time Storage Manager, Scheduled Storage Manager, Archive Manager, and Connector to move binary large objects (BLOBs) from the Microsoft SQL Server® database to a CIFS share on NetApp storage
- Describe the disaster-recovery options for a SharePoint deployment on NetApp storage
- Explain the role of virtualization for a SharePoint deployment on NetApp storage
- Use monitoring and troubleshooting tactics for SharePoint solutions on NetApp storage

アウトライン

Module 1 Overview of the Microsoft SharePoint on NetApp Solution

Module 2 Microsoft SharePoint Concepts

Module 3 Introduction to NetApp SnapManager for Microsoft SharePoint

Module 4 Installing SnapManager for Microsoft SharePoint

Module 5 SMSP Configuration: Migrating Sharepoint Data to NetApp Storage

Module 6 Using SnapManager for Microsoft SharePoint to Back Up SharePoint Data

Module 7 Using SnapManager for Microsoft SharePoint to Restore SharePoint Data

Module 8 Storage Optimization with SnapManager for Microsoft SharePoint

Module 9 Windows PowerShell and SharePoint Management Shell

Module 10 SharePoint on NetApp Disaster Recovery

Module 11 SharePoint on Virtualized Solutions



Module 12 SharePoint Workflows on NetApp Storage

Module 13 Troubleshooting Microsoft SharePoint on NetApp Storage

Lab Exercises

Lab 1-1 Connect to your equipment and check your NetApp storage cluster

Lab 1-2 Log in to the SQL Server and verify the SQL Server installation

Lab 1-3 Log in to the SharePoint application server

Lab 1-4 Log in to the SharePoint WFE server

Lab 2-1 Create Active Directory accounts for SharePoint

Lab 2-2 Install prerequisite software on the application server

Lab 2-3 Install SharePoint Server on the application

Lab 2-4 Install software prerequisites on the WFE Server

Lab 2-5 Install SharePoint on the WFE Server and join the server to a SharePoint farm

Lab 2-6 Create a search service application

Lab 2-7 Create a web application

Lab 2-8 Create a DNS entry for the web application

Lab 2-9 Create a site collection

Lab 2-10 Create a document library and upload a document

Lab 2-11 Create a custom list

Lab 4-1 Prepare for iSCSI connectivity between SnapDrive and the storage systems

Lab 4-2 Install SnapDrive for Windows on the SharePoint application server

Lab 4-3 Add the storage system (Vserver) to transport protocol settings

Lab 4-4 Install SMSP Manager on the application server

Lab 4-5 Install SMSP Agent on the SharePoint application server

Lab 4-6 Install SMSP Agent on the web front-end server

Lab 4-7 Update permissions in SQL Server Management Studio

Lab 4-8 Install SMSP Agent on the SQL Server

Lab 4-9 Log in to SMSP Manager

Lab 5-1 Create storage containers on NetApp storage systems



- Lab 5-2 Use NetApp System Manager to create NSA volumes for external BLOB storage
- Lab 5-3 Use NetApp SnapDrive (SQLPR1) to create LUNs on the storage cluster
- Lab 5-4 Use NetApp SnapDrive (APPSVR) to create remaining LUNs on the storage cluster
- Lab 5-5 Stop SharePoint services on the SharePoint application server
- Lab 5-6 Stop SharePoint services on the SharePoint WFE server
- Lab 5-7 Run the SnapManager for SQL configuration wizard
- Lab 5-8 Restart SharePoint services on the SharePoint application server
- Lab 5-9 Restart SharePoint services on the SharePoint WFE server
- Lab 5-10 Set remaining permissions to utilize SharePoint service admin account
- Lab 5-11 Use SnapManager for SharePoint to migrate the SharePoint indexes
- Lab 6-1 Create a storage policy and logical device
- Lab 6-2 Configure a logical device and a physical device, and finish creating the storage policy
- Lab 6-3 Create a backup plan that allows restores at the site-collection level
- Lab 6-4 Run a backup plan that allows restores at the site-collection level
- Lab 6-5 Create and run a backup plan that allows restores at the site level
- Lab 6-6 Create and run a backup plan that allows restores at the item level
- Lab 7-1 Restore data from a full farm backup at the site-collection level
- Lab 7-2 Restore data from a backup at the site level
- Lab 7-3 Restore a document library from a backup at the item level
- Lab 8-1 Enable RBS
- Lab 8-2 Create a CIFS share for BLOB storage



- Lab 8-3 Define locations for BLOB storage
- Lab 8-4 Set up Real-Time Storage Manager
- Lab 8-5 Set up Scheduled Storage Manager
- Lab 8-6 Perform a back up without externalized data
- Lab 8-7 Perform a restore that includes externalized data
- Lab 8-8 Define a storage policy and logical device for use with Archive Manager
- Lab 8-9 Schedule an archive manager job
- Lab 8-10 Create a CIFS share for connector data
- Lab 8-11 Activate the connector feature
- Lab 8-12 Create a SharePoint document library
- Lab 9-1 Log in to SMSP Manager through the SMSP Management Shell
- Lab 9-2 Use the SMSP management shell to create a physical device
- Lab 9-3 Use the SMSP management shell to view information about the configuration of the BLOB stub database
- Lab 9-4 Use SMSP management shell to create a real-time storage manager rule
- Lab 9-5 Use the SMSP management shell to run a platform backup job
- Lab 12-1 Create a SharePoint workflow
- Lab 12-2 Use SMSP to perform a backup
- Lab 12-3 Mark the workflow complete and delete the item
- Lab 12-4 Use SMSP to restore deleted workflow data