



MICROSOFT TRAINING

Microsoft Software Defined Storage Course

Unlock efficient data management with Microsoft Software Defined Storage. Design and implement robust, scalable storage solutions for modern IT.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

-
- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level Microsoft Software Defined Storage (SDS) course provides a focused yet comprehensive overview of modern storage solutions within the Microsoft ecosystem. Participants will delve into the fundamental concepts of SDS, understanding how to abstract and pool storage resources to enhance agility, scalability, and cost-effectiveness in their data centers. The course specifically highlights key Microsoft technologies such as Storage Spaces Direct (S2D) and its integration within Windows Server and Azure Stack HCI environments.

Through practical insights, you will learn to implement, manage, and troubleshoot software-defined storage solutions, moving beyond traditional hardware-centric approaches. This expertise is crucial for optimizing infrastructure performance, ensuring business continuity, and building a resilient storage fabric for virtualized workloads and cloud-native applications. Gaining proficiency in Microsoft SDS will empower IT professionals to design and deploy highly available and scalable storage infrastructure, directly contributing to more efficient and reliable IT operations within their organizations.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Introduction to Software Defined Storage (SDS) and Microsoft's Vision

- What is Software Defined Storage (SDS)?
- Benefits of SDS: Agility, Scalability, Cost-Efficiency
- Overview of Microsoft's SDS Portfolio
- Understanding Storage Tiers and Resiliency Models in SDS

02 Module 2: Core Microsoft SDS Technologies - Storage Spaces Direct (S2D)

- Introduction to Storage Spaces Direct (S2D)
- S2D Requirements and Architecture (Nodes, Drives, Networking)
- Deployment Scenarios for S2D (Converged vs. Hyper-Converged)
- Creating Storage Pools and Virtual Disks with S2D

03 Module 3: Managing and Monitoring Microsoft SDS Environments

- Configuring S2D Clusters: Witnesses and Quorum
- Managing Storage Spaces Direct using PowerShell and Failover Cluster Manager
- Monitoring S2D Health and Performance
- Basic Troubleshooting for S2D Deployments

04 Module 4: Azure Stack HCI and Advanced S2D Concepts

- Introduction to Azure Stack HCI as a Hyper-Converged Infrastructure platform
- S2D in Azure Stack HCI context
- Storage QoS (Quality of Service) for S2D
- Data Deduplication and Compression with S2D

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Systems Engineer specializing in Hyper-Converged Infrastructure (HCI)**
- > **Storage Administrator focusing on Microsoft Technologies**
- > **Cloud Infrastructure Engineer (Azure Stack HCI deployments)**

FREQUENTLY ASKED QUESTIONS

Q: What foundational knowledge is recommended before taking this Microsoft Software Defined Storage course?

Participants will benefit most from this course if they have a basic understanding of Windows Server administration, including experience with Failover Clustering, Active Directory, and general networking concepts. Familiarity with virtualization platforms like Hyper-V is also advantageous, as SDS often underpins virtualized environments.

Q: How will completing this course enhance my career prospects in modern IT infrastructure roles?

This course equips you with specialized skills in Microsoft's cutting-edge storage solutions, directly preparing you for roles that manage highly available and scalable data center infrastructure. Expertise in Storage Spaces Direct and Azure Stack HCI is increasingly in demand for systems engineers, storage administrators, and cloud architects looking to implement efficient and resilient storage fabrics in hybrid cloud environments.

Q: What practical skills will I be able to perform immediately after completing this 2-hour Microsoft SDS course?

Upon completion, you will be able to articulate the benefits of Microsoft SDS, understand the core architecture of Storage Spaces Direct, and be prepared to participate in the deployment and basic management of S2D solutions. You'll gain a foundational understanding necessary to configure storage pools, create virtual disks, and monitor the health of an S2D cluster within a Windows Server or Azure Stack HCI environment.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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