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Learning Style: On Demand

Technology: Microsoft

Difficulty: Beginner

Course Duration: 10 Hours

Administering Windows Server Hybrid Core Infrastructure (AZ-800)

About this Course:

This course teaches IT Professionals how to manage core Windows Server workloads and services using on-premises, hybrid, and cloud technologies. The course teaches IT Professionals how to implement and manage on-premises and

hybrid solutions such as identity, management, compute, networking, and storage in a Windows Server hybrid environment.

Course Objectives:

- Use administrative techniques and tools in Windows Server.
- Identify tools used to implement hybrid solutions, including Windows Admin Center and PowerShell.
- Implement identity services in Windows Server.
- Implement identity in hybrid scenarios, including Azure AD DS on Azure IaaS and managed AD DS.
- Integrate Azure AD DS with Azure AD.
- Manage network infrastructure services.
- Deploy Azure VMs running Windows Server, and configure networking and storage.
- Administer and manage Windows Server IaaS Virtual Machine remotely.
- Manage and maintain Azure VMs running Windows Server.
- Configure file servers and storage.
- Implement File Services in hybrid scenarios, using Azure Files and Azure File Sync.

Audience:

This four-day course is intended for Windows Server Hybrid Administrators who have experience working with Windows Server and want to extend the capabilities of their on-premises environments by combining on-premises and hybrid technologies. Windows Server Hybrid Administrators implement and manage on-premises and hybrid solutions such as identity, management, compute, networking, and storage in a Windows Server hybrid environment.

Prerequisites:

Before attending this course, students must have:

- Experience with managing Windows Server operating system and Windows Server workloads in on-premises scenarios, including AD DS, DNS, DFS, Hyper-V, and File and Storage Services

- Experience with common Windows Server management tools (implied in the first prerequisite).

- Basic knowledge of core Microsoft compute, storage, networking, and virtualization technologies (implied in the first prerequisite).

- Experience and an understanding of core networking technologies such as IP addressing, name resolution, and Dynamic Host Configuration Protocol (DHCP)

- Experience working with and an understanding of Microsoft Hyper-V and

basic server virtualization concepts

- Basic experience with implementing and managing IaaS services in Microsoft Azure

- Basic knowledge of Azure Active Directory

- Experience working hands-on with Windows client operating systems such as Windows 10 or Windows 11

- Basic experience with Windows PowerShell

Course Outline:

This Course Includes:

- Course Introduction
- Module 1: Identity Services in Windows Server
- Module 2: Implementing Identity in Hybrid Scenarios
- Module 3: Windows Server Administration
- Module 4: Facilitating Hybrid Management
- Module 5: Hyper-V Virtualization in Windows Server
- Module 6: Deploying and Configuring Azure VMs
- Module 7: Network Infrastructure Services in Windows Server
- Module 8: Implementing Hybrid Networking Infrastructure
- Module 9: File Servers and Storage Management in Windows Server
- Module 10: Implementing a Hybrid File Server Infrastructure