COMPENDIUM CENTRUM EDUKACYJNE

Training: Microsoft
AZ-800T00 Administering Windows Server Hybrid Core Infrastructure

Gold
Microsoft Partner
Microsoft

TRANING TERMS

2025-08-12 | 4 days | Kraków / Virtual Classroom
2025-09-09 | 4 days | Warszawa / Virtual Classroom
2025-10-14 | 4 days | Kraków / Virtual Classroom
2025-11-18 | 4 days | Warszawa / Virtual Classroom

TRAINING GOALS:

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.

Skills gained:

- 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 profile:

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.

CONSPECT:

- **Identity services in Windows Server**
  - Introduction to AD DS
  - Manage AD DS domain controllers and FSMO roles
  - Implement Group Policy Objects
  - Manage advanced features of AD DS
  - Lab : Implementing identity services and Group Policy

- **Implementing identity in hybrid scenarios**
  - Implement hybrid identity with Windows Server
  - Deploy and manage Azure IaaS Active Directory domain controllers in Azure
  - Lab : Implementing integration between AD DS and Azure AD

- **Windows Server administration**
  - Perform Windows Server secure administration
  - Describe Windows Server administration tools
  - Perform post-installation configuration of Windows Server
  - Just Enough Administration in Windows Server
  - Lab : Managing Windows Server

- **Facilitating hybrid management**
  - Administer and manage Windows Server IaaS virtual machines remotely
  - Manage hybrid workloads with Azure Arc
  - Lab : Using Windows Admin Center in hybrid scenarios

- **Hyper-V virtualization in Windows Server**
  - Configure and manage Hyper-V
  - Configure and manage Hyper-V virtual machines
  - Secure Hyper-V workloads
  - Run containers on Windows Server
  - Orchestrate containers on Windows Server using Kubernetes
  - Lab : Implementing and configuring virtualization in Windows Server

- **Deploying and configuring Azure VMs**
  - Plan and deploy Windows Server IaaS virtual machines
  - Customize Windows Server IaaS virtual machine images
  - Automate the configuration of Windows Server IaaS virtual machines
  - Lab : Deploying and configuring Windows Server on Azure VMs

- **Network infrastructure services in Windows Server**
  - Deploy and manage DHCP

- Implement Windows Server DNS

- Implement IP address management

- Implement remote access

- Lab : Implementing and configuring network infrastructure services in Windows Server

- **Implementing hybrid networking infrastructure**

- Implement hybrid network infrastructure

- Implement DNS for Windows Server IaaS VMs

- Implement Windows Server IaaS VM IP addressing and routing

- Lab : Implementing Windows Server IaaS VM networking

- **File servers and storage management in Windows Server**

- Manage Windows Server file servers

- Implement Storage Spaces and Storage Spaces Direct

- Implement Windows Server Data Deduplication

- Implement Windows Server iSCSI

- Implement Windows Server Storage Replica

- Lab : Implementing storage solutions in Windows Server

- **Implementing a hybrid file server infrastructure**

- Overview of Azure file services

- Implementing Azure File Sync

- Lab : Implementing Azure File Sync

REQUIREMENTS:

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

Difficulty level

CERTIFICATE:

Certificate of completing an authorized Microsoft training

TRAINER:

Microsoft Certified Trainer