Training: Microsoft
AZ-802T00: Administer Windows Server

Microsoft Partner

TRAINING GOALS:

This course teaches IT professionals how to deploy, manage, secure, and troubleshoot Windows Server workloads across on-premises, hybrid, and cloud environments. The course covers Active Directory Domain Services, Hyper-V and Azure virtual machines, on-premises and hybrid networking, storage and file services, Windows Server security hardening, and monitoring and troubleshooting. It highlights administrative tools and technologies including Windows Admin Center, PowerShell, Azure Arc, Azure Monitor, Azure Update Manager, and Microsoft Defender for Cloud.

Audience Profile

This course is intended for Windows Server administrators who deploy, implement, manage, and troubleshoot Windows Server as a workload in on-premises, cloud, or hybrid environments. Candidates administer identity, security, compute, networking, storage, and monitoring for Windows Server, and they typically collaborate with architects, administrators, and engineers. Candidates should have experience administering Windows Server using technologies such as Windows Admin Center, Hyper-V, PowerShell, Azure Arc, Azure Monitor, Azure Update Manager, and Microsoft Defender for Cloud, and should be familiar with Active Directory Domain Services (AD DS).

CONSPECT:

- Deploy and manage Active Directory Domain Services
  - Module 1: Deploy and manage Active Directory Domain Services domain controllers
  - Module 2: Deploy and manage Azure IaaS Active Directory domain controllers in Azure
  - Module 3: Manage AD DS domain controllers and FSMO roles
  - Module 4: Create and manage Active Directory objects
  - Module 5: Implement hybrid identity with Windows Server
  - Module 6: Create and configure Group Policy Objects in Active Directory
  - Module 7: Implement Group Policy Objects
  - Module 8: Manage advanced features of AD DS
- Manage Windows Server instances and workloads in a hybrid environment
  - Module 1: Administer and manage Windows Server IaaS Virtual Machine remotely
  - Module 2: Describe Windows Server administration tools

Compendium Centrum Edukacyjne Spółka z o.o.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70
BNP Paribas Bank Polska S.A.
EUR: PL 79 1600 1462 1853 6451 3000 0006
USD: PL 52 1600 1462 1853 6451 3000 0007

- Module 3: Just Enough Administration in Windows Server
- Module 4: Perform Windows Server secure administration
- Module 5: Use advanced Windows PowerShell remoting techniques
- Module 6: Manage single and multiple computers by using Windows PowerShell remoting
- Module 7: Manage hybrid workloads with Azure Arc
- Module 8: Manage Azure updates
- Module 9: Automate the configuration of Windows Server IaaS Virtual Machines
- Module 10: Enforce VM security configuration with Azure Machine Configuration
- Module 11: Explore Azure Automation with DevOps

- Manage virtual machines
  - Module 1: Configure and manage Hyper-V virtual machines
  - Module 2: Configure and manage Hyper-V
  - Module 3: Secure Hyper-V workloads
  - Module 4: Implement high availability of Windows Server VMs
  - Module 5: Run containers on Windows Server
  - Module 6: Plan and deploy Windows Server IaaS Virtual Machines
  - Module 7: Implement scale and high availability with Windows Server VM
  - Module 8: Implement Windows Server IaaS VM IP addressing and routing
  - Module 9: Implement Windows Server IaaS VM network security
  - Module 10: Administer and manage Windows Server IaaS Virtual Machine remotely
- Implement and manage an on-premises and hybrid networking infrastructure
  - Module 1: Implement Windows Server DNS
  - Module 2: Implement DNS for Windows Server IaaS VMs
  - Module 3: Secure Windows Server DNS
  - Module 4: Deploy and manage DHCP
  - Module 5: Implement IP Address Management
  - Module 6: Implement Windows Server IaaS VM IP addressing and routing
- Manage storage and file services
  - Module 1: Implement a hybrid file server infrastructure
  - Module 2: Manage Windows Server file servers
  - Module 3: Implement Storage Spaces and Storage Spaces Direct
  - Module 4: Implement Windows Server Data Deduplication
  - Module 5: Implement Windows Server iSCSI
  - Module 6: Implement Windows Server Storage Replica
- Secure Windows Server infrastructure
  - Module 1: Hardening Windows Server

Compendium Centrum Edukacyjne Spółka z o.o.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70
BNP Paribas Bank Polska S.A.
EUR: PL 79 1600 1462 1853 6451 3000 0006
USD: PL 52 1600 1462 1853 6451 3000 0007

- Module 2: Manage Microsoft Defender for Endpoint
- Module 3: Manage Microsoft Defender in Windows client
- Module 4: Understand Active Directory Group Policy security settings
- Module 5: Manage security in Active Directory
- Module 6: Understand Windows Server service accounts
- Module 7: Secure Windows Server user accounts
- Module 8: Manage security controls for identity and access
- Module 9: Security monitoring and governance

- Monitor and troubleshoot Windows Server environments
  - Module 1: Monitor Windows Server performance
  - Module 2: Manage and monitor Windows Server event logs
  - Module 3: Implement Windows Server auditing and diagnostics
  - Module 4: Monitor Windows Server IaaS Virtual Machines and hybrid instances
  - Module 5: Monitor your Azure virtual machines with Azure Monitor
  - Module 6: Troubleshoot on-premises and hybrid networking
  - Module 7: Troubleshoot Windows Server Virtual Machines in Azure
  - Module 8: Windows Server update management
  - Module 9: Troubleshoot Active Directory

REQUIREMENTS:

- Experience with Windows Server operating system administration
- Working knowledge of core Windows Server networking technologies, including Domain Name System (DNS), Dynamic Host Configuration Protocol (DHCP), IP addressing, and Virtual Private Networks (VPNs)
- Understanding of Active Directory Domain Services (AD DS) concepts
- Basic understanding of Microsoft Azure concepts
- Familiarity with virtualization technologies, particularly Hyper-V and virtual machine (VM) management
- Foundational knowledge of security best practices, such as least privilege, multi-factor authentication (MFA), and firewalls
- Basic experience with scripting and automation

Difficulty level

Compendium Centrum Edukacyjne Spółka z o.o.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70
BNP Paribas Bank Polska S.A.
EUR: PL 79 1600 1462 1853 6451 3000 0006
USD: PL 52 1600 1462 1853 6451 3000 0007

CERTIFICATE:

The participants will obtain certificates signed by Microsoft (course completion).

TRAINER:

Microsoft Certified Trainer (MCT)

Compendium Centrum Edukacyjne Spółka z o.o.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70

BNP Paribas Bank Polska S.A.
EUR: PL 79 1600 1462 1853 6451 3000 0006
USD: PL 52 1600 1462 1853 6451 3000 0007