Administer Windows Server Hybrid Core Infrastructure (AZ-800)

Duration: 4 Days **Course Code: M-AZ800**

Overview:

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.

Target 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.

Objectives:

- Students will learn to,
- Implement an identity infrastructure with Windows Server
- Manage Windows Servers and workloads in a hybrid environment
- Manage virtualization and containers in Windows Server
- Implement a networking infrastructure in Windows Server
- Configure storage services in Windows Server

Testing and Certification

Microsoft Certified: Windows Server Hybrid Administrator Associate

Follow-on-Courses:

- M-AZ801 - Configuring Windows Server Hybrid Advanced Services (AZ-801)

Content:

1- Deploy and manage identity infrastructure

- Introduction to AD DS
- Manage AD DS domain controllers and FSMO roles
- Implement Group Policy Objects
- Manage advanced features of AD DS
- Implement hybrid identity with Windows Server
- Deploy and manage Azure IaaS Active Directory domain controllers in Azure

2- Manage Windows Servers and workloads in a hybrid environment

- Perform Windows Server secure administration
- Describe Windows Server administration tools
- Perform post-installation configuration of Windows Server
- Administer and manage Windows Server IaaS Virtual Machine remotely
- Manage hybrid workloads with Azure Arc
- Optimizing IT operations and management with Azure Automanage
- Just Enough Administration in Windows Server

3- Manage virtualization and containers in a hybrid environment

- Configure and manage Hyper-V
- Configure and manage Hyper-V virtual machines
- Secure Hyper-V workloads
- Plan and deploy Windows Server IaaS Virtual Machines
- Customize Windows Server IaaS Virtual Machine images
- Automate the configuration of Windows Server IaaS Virtual Machines
- Run containers on Windows Server
- Orchestrate containers on Windows Server using Kubernetes

4- Implement and operate an on-premises and hybrid networking infrastructure

- Implement DNS for Windows Server IaaS VMs
- Deploy and manage DHCP
- Implement Windows Server DNS
- Implement IP Address Management
- Implement remote access
- Implement hybrid network infrastructure
- Implement Windows Server IaaS VM IP addressing and routing

5- Configure storage and file services

- 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
- Implement a hybrid file server infrastructure

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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