

AZ-800: Administering Windows Server Hybrid Core Infrastructure

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Lisboa
- **Data:** 29 Mai. 2023 a 01 Jun. 2023
- **Preço:** 1510€
- **Horário:** Laboral - 09h00 - 17h00
- **Duração:** 28 horas

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.

Destinatários

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.

Pré-requisitos

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
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Objetivos

- Configure and manage AD DS, Group Policy Objects, and how to implement hybrid identity with Windows Server
 - Prepare you for Exam AZ-800: Administering Windows Server Hybrid Core Infrastructure
 - Administer Windows Server securely using the appropriate management tools
 - Implement hybrid technologies in Windows Server management
 - Deploy and configure Azure IaaS Virtual Machine workloads
 - Implement and manage Windows Server virtual machines (VMs) and container workloads using Windows Server Hyper-V
 - Implement and manage networking services in Windows Server. Learn to deploy and manage DHCP, secure DNS, and implement IP Address Management (IPAM) and Web Application
 - Implement and manage Windows Server file servers and storage. Implement Storage Spaces, data deduplication, and Windows Server Storage Replica
 - Deploy Azure File Sync and configure Azure File services
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Programa

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

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
- Just Enough Administration in Windows Server
- Administer and manage Windows Server IaaS Virtual Machine remotely
- Manage hybrid workloads with Azure Arc

Manage virtualization and containers in a hybrid environment

- 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
- Plan and deploy Windows Server IaaS Virtual Machines
- Customize Windows Server IaaS Virtual Machine images
- Automate the configuration of Windows Server IaaS Virtual Machines

Implement and operate an on-premises and hybrid networking infrastructure

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

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

Ao concluir com aproveitamento esta formação, cumprindo a percentagem mínima de 70% de assiduidade e após avaliação ao curso, o formando poderá receber o seu Certificado Microsoft de conclusão e o badge digital para partilhar com a sua rede profissional online.