

# MAZR-22 - MOC AZ-801T00 - CONFIGURING WINDOWS SERVER HYBRID ADVANCED SERVICES

Categoria: **Azure**

## INFORMAZIONI SUL CORSO



**Durata:**  
4 Giorni



**Categoria:**  
Azure



**Qualifica Istruttore:**  
Microsoft Certified  
Trainer



**Dedicato a:**  
Professionista IT



**Produttore:**  
Microsoft

## OBIETTIVI

This course teaches IT Professionals to configure advanced Windows Server services using on-premises, hybrid, and cloud technologies. The course teaches IT Professionals how to leverage the hybrid capabilities of Azure, how to migrate virtual and physical server workloads to Azure IaaS, and how to secure Azure VMs running Windows Server. The course also teaches IT Professionals how to perform tasks related to high availability, troubleshooting, and disaster recovery. The course highlights administrative tools and technologies including Windows Admin Center, PowerShell, Azure Arc, Azure Automation Update Management, Microsoft Defender for Identity, Azure Security Center, Azure Migrate, and Azure Monitor.

## PREREQUISITI

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
- An awareness of basic security best practices
- Basic understanding of security-related technologies (firewalls, encryption, multi-factor authentication, SIEM/SOAR).
- Basic knowledge of on-premises resiliency Windows Server-based compute and storage technologies (Failover Clustering, Storage Spaces).
- 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

An understanding of the following concepts as related to Windows Server technologies:

- High availability and disaster recovery
- Automation

- Monitoring
- Troubleshooting

## CONTENUTI

Secure Windows Server user accounts

Hardening Windows Server

Windows Server update management

Secure Windows Server DNS

Implement Windows Server IaaS VM network security

Audit the security of Windows Server IaaS Virtual Machines

Manage Azure updates

Create and implement application allowlists with adaptive application control

Configure BitLocker disk encryption for Windows IaaS Virtual Machines

Implement change tracking and file integrity monitoring for Windows IaaS VMs

Introduction to Cluster Shared Volumes

Implement Windows Server failover clustering

Implement high availability of Windows Server VMs

Implement Windows Server File Server high availability

Implement scale and high availability with Windows Server VM

Implement Hyper-V Replica

Protect your on-premises infrastructure from disasters with Azure Site Recovery

Implement hybrid backup and recovery with Windows Server IaaS

Protect your Azure infrastructure with Azure Site Recovery

Protect your virtual machines by using Azure Backup

Active Directory Domain Services migration

Migrate file server workloads using Storage Migration Service

Migrate Windows Server roles

Migrate on-premises Windows Server instances to Azure IaaS virtual machines

Upgrade and migrate Windows Server IaaS virtual machines

Containerize and migrate ASP.NET applications to Azure App Service

Monitor Windows Server performance

Manage and monitor Windows Server event logs

Implement Windows Server auditing and diagnostics

Troubleshoot Active Directory

Monitor Windows Server IaaS Virtual Machines and hybrid instances

Monitor your Azure virtual machines with Azure Monitor

Troubleshoot on-premises and hybrid networking

Troubleshoot Windows Server Virtual Machines in Azure

## INFO

**Esame:** AZ-801 - Configuring Windows Server Hybrid Advanced Services

**Materiale didattico:** Materiale didattico ufficiale Microsoft in formato digitale

**Costo materiale didattico:** incluso nel prezzo del corso a Calendario

**Natura del corso:** Operativo (previsti lab su PC)