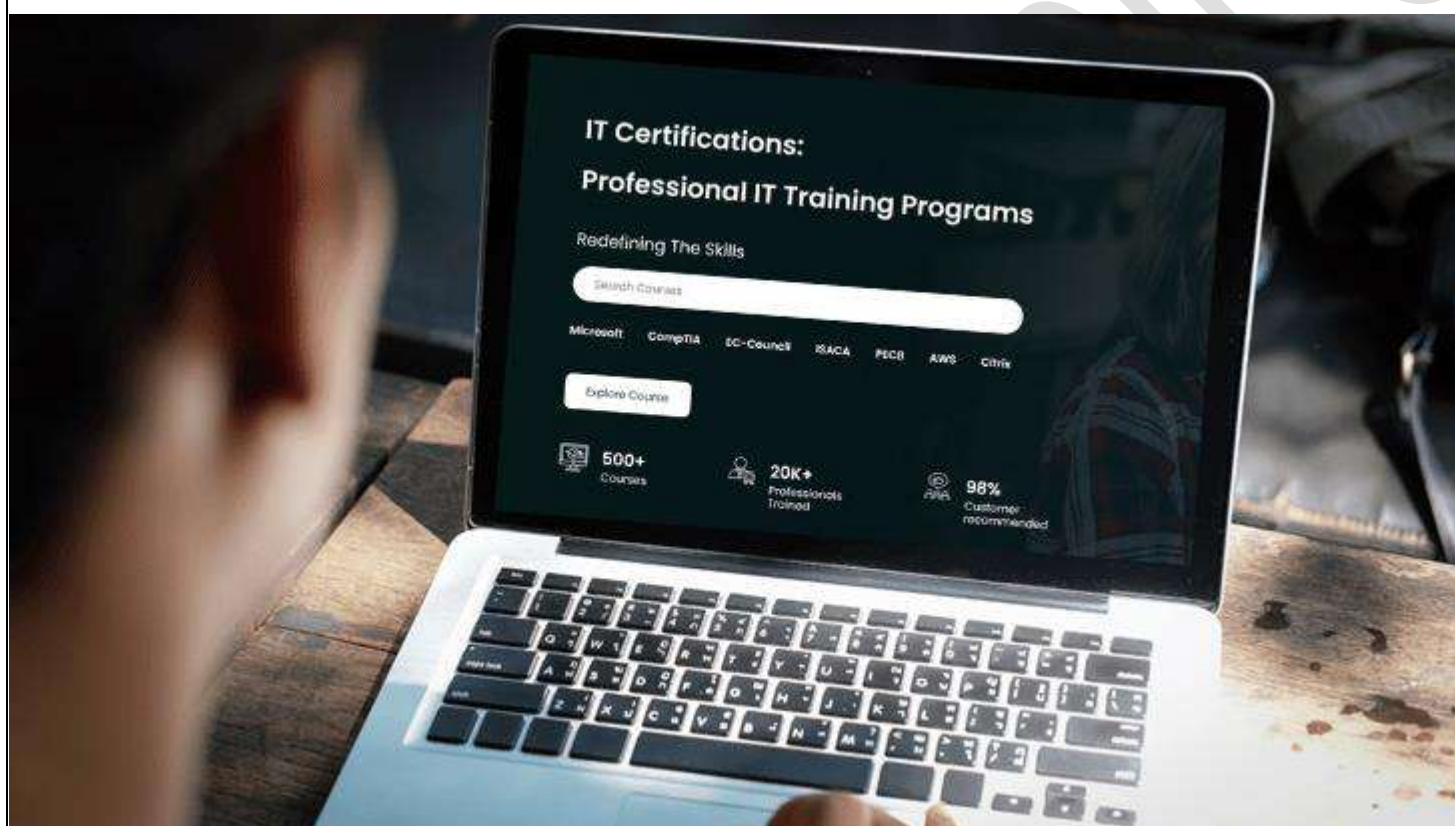




Redefining The Skills



AZ-801T00: CONFIGURING WINDOWS SERVER HYBRID ADVANCED SERVICES TRAINING

Duration: 4 Days

Course Description

This configuring Windows Server Hybrid Advanced Services Training will guide you to manage Windows Server services with hybrid, on-premises, and cloud technologies.

With the help of this course, you will be able to understand how to leverage the hybrid abilities of Azure, how to emigrate physical and virtual server workloads to Azure IaaS, and how to ensure Azure VMs are running Windows Server.

This AZ-801T00 training will also teach you how to complete tasks related to troubleshooting, high availability, and disaster recovery.

This training highlights administrative technologies and tools such as PowerShell, Windows Admin Center, Azure Automation Update Management, Azure Arc, Azure Security Center, Azure Monitor, Microsoft Defender for Identity, and Azure Migrate.

Training Exclusives

- Live instructor-led interactive sessions with Microsoft Certified Trainers (MCT).
- Access to Microsoft Official Courseware (MOC).
- Real-time Virtual Lab Environment.
- Experience 24*7 Learner Support.
- Self-paced learning and flexible schedules.

Who should attend this course?

- This training is for Windows Server Administrators who have working experience with Windows Server and want to expand the capabilities of their on-premises environments by combining hybrid and on-premises technologies.
- Windows Server Hybrid Administrators who know the managing and implementation of on-premises technologies and how to protect and secure their environment, migrate physical and virtual workloads to Azure IaaS, improve a redundant climate, are highly available and perform troubleshooting and monitoring.

What you will learn

- Implementing recovery services
- Apply for security features to protect resources
- Implementing disaster recovery solutions and high availability
- Perform migration and upgrades related to storage and AD DS
- Design and implement cloud and hybrid migration, recovery scenarios, and backup
- Monitor and Manage hybrid scenarios with Azure Automation, WAC, Azure Arc, Azure Monitor
- Implementing service monitor and performance monitor and applying to troubleshoot
- Configure the security of the Windows Server operating system environment
- Improve hybrid security with the use of Azure Sentinel, Azure Security Center, and Windows Update Management

Prerequisites

Recommended

- Fundamental knowledge of security-related technologies (encryption, firewalls, SIEM/SOAR multifactor authentication)
- Basic understanding of on-premises resiliency Windows Server-based storage and compute technologies.
- Some experience with managing and implementing IaaS services in Microsoft Azure
- Basic understanding of Azure Active Directory
- Expertise in Windows PowerShell

Required

- Working experience or knowledge of Microsoft Hyper-V and virtualization server concepts
- Expertise with Windows Server operating system and workloads on-premises scenarios such as DNS, DFS, AD DS, Storage and file services, and Hyper-V
- Expertise with Windows Server management tools
- Fundamental knowledge of Microsoft storage, compute, virtualization, and networking technologies.
- Understanding of networking technologies such as name resolution, IP address, and Dynamic Host Configuration Protocol

Curriculum

Module 1: Windows Server security

- Secure Windows Server user accounts
- Hardening Windows Server
- Windows Server Update Management
- Secure Windows Server DNS

Lab: Configuring security in Windows Server

Module 2: Implementing security solutions in hybrid scenarios

- 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 Server IaaS VMs

Lab: Using Azure Security Center in hybrid scenarios

Module 3: Implementing high availability

- 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 VMs.

Lab: Implementing failover clustering

Module 4: Disaster recovery in Windows Server

- Implement Hyper-V Replica
- Protect your on-premises infrastructure from disasters with Azure Site Recovery

Lab: Implementing Hyper-V Replica and Windows Server Backup

Module 5: Implementing recovery services in hybrid scenarios

- 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

Lab: Implementing Azure-based recovery services

Module 6: Upgrade and migrate in Windows Server

- Active Directory Domain Services migration
- Migrate file server workloads using Storage Migration Service
- Migrate Windows Server roles

Lab: Migrating Windows Server workloads to IaaS VMs

Module 7: Implementing migration in hybrid scenarios

- 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

Lab: Migrating on-premises VMs servers to IaaS VMs

Module 8: Server and performance monitoring in Windows Server

- Monitor Windows Server performance
- Manage and monitor Windows Server event logs
- Implement Windows Server auditing and diagnostics
- Troubleshoot Active Directory

Lab: Monitoring and troubleshooting Windows Server

Module 9: Implementing operational monitoring in hybrid scenarios

- Monitor Windows Server IaaS Virtual Machines and hybrid instances
- Monitor the health of your Azure virtual machines by using Azure Metrics Explorer and metric alerts
- Monitor performance of virtual machines by using Azure Monitor VM Insights
- Troubleshoot on-premises and hybrid networking
- Troubleshoot Windows Server Virtual Machines in Azure

Lab: Monitoring and troubleshooting of IaaS VMs running Windows Server

For any query Contact Us – Microtek Learning
