

Configuring Windows Server Hybrid Advanced Services

Course Duration: 32 Hrs.

Course Code: AZ-801T00

Course Overview

Enhance your skillset with AZ-801T00 Configuring Windows Server Hybrid Advanced Services at SSDN Technologies- Best IT Training Company. This intermediate-level course is designed for IT professionals that would want to learn how to configure hybrid and advanced services across on-premises and Azure environments.

Course Content

This course is designed to equip you with the knowledge and skills to:

- **Secure** your Windows Server environments, including implementing security policies, using Azure Security Center, and configuring Microsoft Defender for Identity.
- **Implement high availability and disaster recovery** solutions, such as Failover Clustering, Storage Spaces Direct, and Azure Site Recovery.
- **Migrate** servers and workloads to Azure, leveraging tools like Azure Migrate and Azure Site Recovery.

Monitor and troubleshoot your Windows Server environments using tools such as Performance Monitor, Event Viewer, and Azure Monitor.

Target Audience:

This certification is ideal for IT professionals who are responsible for configuring and managing Windows Server environments, including:

- System administrators
- Network administrators
- Cloud administrators
- IT consultants

Course Outline: -

Learning Path 1: Secure Windows Server on-premises and hybrid infrastructures (Windows Server security)

Module 1: Secure Windows Server user accounts

Module 2: Hardening Windows Server

Module 3: Windows Server Update Management

Module 4: Secure Windows Server DNS

Learning Path 2: Secure Windows Server on-premises and hybrid infrastructures (Implementing security solutions in hybrid scenarios)

Module 1: Implement Windows Server IaaS VM network security Module 2: Audit the security of Windows Server IaaS Virtual Machines

Module 3: Manage Azure updates

Module 4: Create and implement application allowlists with adaptive application control

Module 5: Configure BitLocker disk encryption for Windows IaaS Virtual Machines

Module 6: Implement change tracking and file integrity monitoring for Windows IaaS VMs

Learning Path 3: Implement Windows Server high availability

Module 1: Introduction to Cluster Shared Volumes

Module 2: Implement Windows Server failover clustering

Module 3: Implement high availability of Windows Server VMs

Module 4: Implement Windows Server File Server high availability

Module 5: Implement scale and high availability with Windows Server VM

Learning Path 4: Implement disaster recovery in Windows Server on-premises)

Module 1: Implement Hyper-V Replica

Module 2: Protect your on-premises infrastructure from disasters with Azure Site Recovery

Learning Path 5: Implement disaster recovery in Windows Server on-premises and hybrid environments (Implementing recovery services in hybrid scenarios)

Module 1: Implement hybrid backup and recovery with Windows Server IaaS

Module 2: Protect your Azure infrastructure with Azure Site Recovery

Module 3: Protect your virtual machines by using Azure Backup

Learning Path 6: Migrate servers and workloads in on-premises and hybrid environments (Upgrade and migrate to Windows Server)

Module 1: Active Directory Domain Services migration

Module 2: Migrate file server workloads using Storage Migration Service.

Module 3: Migrate Windows Server roles

Learning Path 7: Migrate servers and workloads in on-premises and hybrid environments (Implementing migration in hybrid scenarios)

Module 1: Migrate on-premises Windows Server instances to Azure IaaS virtual machines

Module 2: Upgrade and migrated Windows Server IaaS virtual machines

Module 3: Containerize and migrate ASP.NET applications to Azure App Service

Learning Path 8: Monitor and troubleshoot Windows Server environments (Server and performance monitoring in Windows Server)

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: Troubleshoot Active Directory

Learning Path 9: Monitor and troubleshoot Windows Server environment (Implementing operational monitoring in hybrid scenarios)

Module 1: Monitor Windows Server IaaS Virtual Machines and hybrid instances

Module 2: Monitor the health of your Azure virtual machine by using Azure Metrics Explorer and metric alerts

Module 3: Monitor performance of virtual machines by using Azure Monitor VM Insights

Module 4: Troubleshoot on-premises and hybrid networking

Module 5: Troubleshoot Windows Server Virtual Machines in Azure