

Windows Server Hybrid Administrator (AZ-800 & AZ-801)

Overview: This course provides comprehensive training on configuring and managing Windows Server in both on-premises and hybrid environments. It prepares learners for the AZ-800 and AZ-801 certification exams by covering:

- Core infrastructure
- Identity
- Networking
- Virtualization
- High availability
- Hybrid integration with Azure

OBJECTIVES

1. Deploy and manage core infrastructure services in Windows Server
2. Integrate on-prem Active Directory with Azure Active Directory
3. Manage virtualization with Hyper-V and Azure IaaS
4. Implement Windows Server high availability and disaster recovery
5. Secure Windows Server environments with security baselines and policies
6. Monitor and troubleshoot performance and health issues
7. Prepare for both AZ-800 and AZ-801 certification exams

TRAINING FEATURES

- Duration: 5 days (Modules)

Tools Used: Windows Admin Center, Azure Portal, PowerShell, Hyper-V

- Includes: Hands-on labs, quizzes, exam simulations, Azure hybrid demos

Program Outline

1: Core Windows Server Administration (AZ-800) • Installing and configuring Windows Server • Managing Windows Server with Windows Admin Center • Roles and features: DNS, DHCP, and file services • Group Policy and administrative templates • Managing local and remote servers

2: Identity and Hybrid Integration (AZ-800) • Active Directory Domain Services (AD DS) • Azure AD integration and synchronization (Azure AD Connect) • Group membership

and SSO across environments • Secure authentication using MFA and conditional access • Delegation and administrative roles

3: Virtualization and Networking (AZ-800 / AZ-801) • Hyper-V configuration and VM deployment • VHD/VHDX, checkpoints, and replication • Networking with Windows Server: NIC teaming, IPAM, DNS • VPN and Azure Network integration • Managing hybrid workloads in Azure

4: High Availability and Disaster Recovery (AZ-801) • Failover clustering and load balancing • Storage Spaces Direct and file server clustering • Backup and restore with Windows Server Backup • Implementing Azure Site Recovery and backup • Troubleshooting boot, driver, and services failures

5: Monitoring, Security, and Exam Review (AZ-801) • Windows Server security best practices • Microsoft Defender for Identity and Endpoint • Performance monitoring and event tracing • Policy-based compliance and hardening • Practice questions and certification strateg