



MICROSOFT TRAINING

Microsoft Certified Windows Server Hybrid Administrator Associate

Master managing Windows Server environments across on-premises and Azure. Become a Microsoft Certified Windows Server Hybrid Administrator Associate.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

The Microsoft Certified Windows Server Hybrid Administrator Associate course is expertly designed for IT professionals looking to master the complexities of managing Windows Server environments that span both on-premises infrastructure and Microsoft Azure cloud services. This certification validates your expertise in implementing, managing, and monitoring core Windows Server functionalities, including identity, storage, compute, and networking, across truly hybrid scenarios. You'll gain hands-on experience with critical technologies such as Azure Arc, Azure Active Directory Connect, Azure Monitor, and various Windows Server roles.

This intermediate-level course goes beyond traditional server administration, equipping you with the advanced skills necessary to integrate and manage server workloads seamlessly between your local data center and the cloud. By understanding how to leverage Azure services to enhance and extend your on-premises Windows Server deployments, you will become an invaluable asset to organizations transitioning to or operating in a hybrid IT landscape. The program is tailored to build practical competence, ensuring you can deploy solutions that are scalable, secure, and highly available.

Achieving this certification demonstrates your proficiency in modern server administration, significantly boosting your career prospects and positioning you as a specialist capable of navigating the evolving demands of hybrid cloud computing. It's a testament to your ability to optimize infrastructure, improve operational efficiency, and drive innovation within your organization by bridging the gap between legacy systems and cutting-edge cloud technology.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Planning and Deploying Hybrid Windows Server Infrastructure

- Windows Server deployment and management strategies
- Implementing Azure Arc for Servers
- Managing Windows Server with Azure services
- Hybrid networking configurations and VPNs
- Deploying and configuring new Windows Server instances

02 Module 2: Implementing and Managing Identity in Hybrid Environments

- Active Directory Domain Services (AD DS) in hybrid scenarios
- Implementing and managing Azure Active Directory Connect
- Configuring password hash synchronization and pass-through authentication
- Managing user and group identities across on-premises and Azure AD
- Implementing authentication and authorization for hybrid workloads

03 Module 3: Managing Windows Server Workloads in Hybrid Scenarios

- Deploying and managing Hyper-V virtualization in hybrid environments
- Implementing and managing Windows Server containers
- Configuring and managing IIS and other web workloads
- Managing remote access solutions (DirectAccess, Always On VPN)
- Automating administration with PowerShell and Azure Automation

04 Module 4: Implementing and Managing Storage and Networking for Hybrid Servers

- Configuring local storage solutions on Windows Server
- Implementing Storage Spaces Direct and Storage Replica
- Integrating Azure Files and Azure File Sync for hybrid storage
- Managing DNS, DHCP, and IP address management (IPAM) in hybrid networks
- Implementing software-defined networking (SDN) concepts

05 Module 5: Securing and Monitoring Hybrid Windows Server Environments

- Implementing Windows Server security features (Windows Defender, Firewall)
- Configuring security baselines and compliance for hybrid servers
- Utilizing Azure Security Center for hybrid server protection
- Implementing Azure Monitor and Log Analytics for performance and event monitoring
- Performing backup and disaster recovery for hybrid workloads with Azure Backup

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Hybrid Infrastructure Specialist**
- > **Cloud Operations Engineer**
- > **Senior Windows Server Administrator (Hybrid Focus)**

FREQUENTLY ASKED QUESTIONS

Q: What are the recommended prerequisites for taking the Microsoft Certified Windows Server Hybrid Administrator Associate course?

To get the most out of this course, it is highly recommended that you have a foundational understanding of Windows Server administration, including core networking, storage, compute, and Active Directory concepts. Familiarity with basic Azure services and cloud computing principles will also be beneficial, though the course will cover hybrid integration extensively.

Q: How does this certification prepare me to manage both on-premises and cloud server resources effectively?

This certification focuses on practical skills for integrating and managing Windows Server across hybrid environments. You'll learn to use Azure Arc to extend Azure management to on-premises servers, leverage Azure AD Connect for unified identity, and employ Azure services like Azure Files Sync and Azure Monitor to enhance your local infrastructure. This ensures you can seamlessly administer, secure, and optimize resources wherever they reside.

Q: What specific challenges in hybrid IT environments will I be equipped to address after completing this course?

Upon completion, you will be proficient in tackling common hybrid IT challenges such as unified identity management across diverse environments, ensuring consistent security policies for both cloud and on-premises servers, optimizing data synchronization and storage across hybrid boundaries, and centralizing monitoring and governance for distributed resources. You'll gain the expertise to bridge the operational gap between traditional data centers and the cloud.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke