



MICROSOFT TRAINING

AZ-140: Configuring and Operating Microsoft Azure Virtual Desktop

Configure and operate Azure Virtual Desktop environments. Master VDI deployment, app management, and security for the AZ-140 exam.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The AZ-140: Configuring and Operating Microsoft Azure Virtual Desktop course is designed for IT professionals seeking to master the deployment, configuration, and management of virtualized desktop experiences and applications on Azure. This intensive program delves into the core technologies required to deliver secure and scalable cloud-based desktops, enabling organizations to provide flexible work environments while optimizing resource utilization. Participants will gain hands-on expertise in setting up host pools, managing user profiles with FSLogix, configuring network connectivity, and implementing robust security measures. This course covers everything from initial infrastructure planning to advanced application management and monitoring, equipping learners with the skills to design and maintain a high-performing Azure Virtual Desktop environment. Mastering Azure Virtual Desktop is crucial for modern IT administrators and engineers. This certification empowers professionals to transform traditional desktop deployments into agile, cost-effective cloud solutions, enhancing end-user productivity and ensuring business continuity. By understanding how to efficiently manage session hosts, optimize application delivery using MSIX App Attach, and leverage Azure monitoring tools, you will be able to provide a seamless and secure remote desktop experience for any organization. This expertise translates directly into improved operational efficiency, reduced infrastructure costs, and the ability to support diverse remote work requirements. Achieving the AZ-140 certification validates your ability to deploy and manage a complete Azure Virtual Desktop solution, positioning you as a valuable asset in any cloud-centric IT team.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft
Exam Code	AZ-140

COURSE CURRICULUM

01 Planning and Implementing Azure Virtual Desktop Infrastructure

- Understanding Azure Virtual Desktop Architecture
- Planning Host Pools and Workspaces
- Designing for Network Connectivity
- Prerequisites and Resource Provider Registration
- Creating and Configuring Host Pools

02 Managing Identities and User Profiles

- Integrating Azure Virtual Desktop with Azure Active Directory
- Implementing Azure AD Domain Services for AVD
- Configuring FSLogix Profile Containers
- Managing User Sessions and Experience

03 Configuring Session Hosts and Networking

- Preparing Custom VM Images for Session Hosts
- Deploying and Managing Session Hosts
- Optimizing Session Host Performance
- Implementing Network Connectivity and Security for AVD
- Configuring Load Balancing and Scaling

04 Managing Access and Security

- Implementing Role-Based Access Control (RBAC) for AVD
- Configuring Conditional Access Policies
- Enforcing Multi-Factor Authentication (MFA)
- Securing AVD Environment with Azure Security Center

05 Implementing and Managing Applications

- Configuring Application Groups and RemoteApp programs
- Deploying and Managing Applications with MSIX App Attach
- Troubleshooting Application Delivery
- User Assignments to Application Groups

06 Monitoring and Maintaining Azure Virtual Desktop

- Monitoring AVD with Azure Monitor and Log Analytics
- Troubleshooting Common AVD Issues
- Automating AVD Management Tasks
- Implementing Backup and Disaster Recovery for AVD
- Performance Optimization and Cost Management

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure Virtual Desktop Administrator**
- > **Cloud Solutions Architect (VDI Specialist)**
- > **Desktop Virtualization Engineer**

FREQUENTLY ASKED QUESTIONS

Q: What are the essential prerequisites for taking the AZ-140 course and effectively applying the skills learned?

To get the most out of the AZ-140 course, it is highly recommended to have a foundational understanding of Azure concepts, including virtual machines, networking, and identity management (Azure AD). Prior experience with Windows client and server operating systems, PowerShell, and basic networking principles will also be beneficial. While the course covers AVD specifics, a general familiarity with Azure infrastructure helps in grasping the concepts quicker.

Q: Beyond basic deployment, what specific advanced scenarios or optimizations will I be able to implement in Azure Virtual Desktop after completing this course?

Upon completion of the AZ-140 course, you will be proficient in implementing advanced scenarios such as dynamic scaling of host pools to optimize costs, deploying custom golden images with pre-installed applications, configuring complex network security rules, and integrating single sign-on solutions. You will also learn to deploy applications using MSIX App Attach for efficient app delivery and manage user profiles using FSLogix containers for a seamless user experience across sessions.

Q: How does the AZ-140 certification specifically help organizations reduce costs associated with traditional desktop infrastructure?

The AZ-140 certification equips IT professionals with the knowledge to leverage Azure Virtual Desktop's capabilities for significant cost savings. You will learn how to implement auto-scaling features for host pools, ensuring resources are only provisioned when needed. The course also covers optimizing image sizes, utilizing reserved instances for virtual machines, and implementing efficient storage solutions like FSLogix Profile Containers on Azure Files, all of which contribute to a lower total cost of ownership compared to traditional on-premises VDI or physical desktop infrastructure.

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.

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