AZ-140T00 Configure and Operate Microsoft Azure Virtual Desktop

Category: Infrastructure & IT Operations | **Vendor:** Microsoft Technical

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Microsoft Certified: Azure Virtual Desktop Specialty
Related Exam:	AZ-140

Course Overview

This course teaches Azure administrators how to plan, deliver, and manage virtual desktop experiences and remote apps, for any device, on Azure. Lessons include implementing and managing networking for Azure Virtual Desktop, configuring host pools and session hosts, creating session host images, implementing, and managing FSLogix, monitoring Azure Virtual Desktop performance and health, and automating Azure Virtual Desktop management tasks. Students will learn through a mix of demonstrations and hands-on lab experiences deploying virtual desktop experiences and apps on Azure Virtual Desktop and optimizing them to run in multi-session virtual environments. Candidates of this course must have solid Azure administration skills. This course assumes prior experience, including virtualization, networking, identity, storage, backup and restore, and disaster recovery. Students should have knowledge of on-premises virtual desktop infrastructure technologies as they relate to migrating to Azure Virtual Desktop. Students are expected to have used the tools common to the Azure environment, such as the Azure PowerShell and Cloud Shell.

About This Course

This course teaches Azure administrators how to plan, deliver, and manage virtual desktop experiences and remote apps, for any device, on Azure. Lessons include implementing and managing networking for Azure Virtual Desktop, configuring host pools and session hosts, creating session host images, implementing, and managing FSLogix, monitoring Azure Virtual Desktop performance and health, and automating Azure Virtual Desktop management tasks. Students will learn through a mix of demonstrations and hands-on lab experiences deploying virtual desktop experiences and apps on Azure Virtual Desktop and optimizing them to run in multi-session virtual environments. Candidates of this course must have solid Azure administration skills. This course assumes prior experience, including virtualization, networking, identity, storage, backup and restore, and disaster recovery. Students should have knowledge of on-premises virtual desktop infrastructure technologies as they relate to migrating to Azure Virtual Desktop. Students are expected to have used the tools common to the Azure environment, such as the Azure PowerShell and Cloud Shell.

Who Should Attend

Students for AZ-140: Configure and Operate Microsoft Azure Virtual Desktop are interested in delivering applications on Azure Virtual Desktop and optimizing them to run in multi-session virtual environments. As an Azure Virtual Desktop administrator, you will closely with the Azure Administrators and Architects, along with Microsoft 365 Administrators. Azure Virtual Desktop administrator responsibilities include planning, deploying, packaging, updating, and maintaining the Azure Virtual Desktop infrastructure. They also create session host images, implement and manage FSLogix, monitor Azure Virtual Desktop performance, and automate Azure Virtual Desktop management tasks.

Prerequisites & Entry Requirements

General Prerequisites:

Candidates of this course must have solid Azure administration skills. This course assumes prior experience, including virtualization, networking, identity, storage, backup and restore, and disaster recovery. Students should have knowledge of on-premises virtual desktop infrastructure technologies as they relate to migrating to Azure Virtual Desktop. Students are expected to have used the tools common to the Azure environment, such as the Azure PowerShell and Cloud Shell.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

By the end of this course, students will be able to configure and operate Microsoft Azure Virtual Desktop environments in enterprise settings. You will also learn to: Implement and manage session hosts, host pools, and session host images Manage FSLogix for user profile containers and application masking Monitor Azure Virtual Desktop performance and health Optimize environments to run in multi-session virtual environments Automate Azure Virtual Desktop management tasks using Azure-native tools

Detailed Course Outline

1 - Azure Virtual Desktop Architecture

- Azure Virtual Desktop for the enterprise
- Azure Virtual Desktop components
- Personal and pooled desktops
- Service updates for Azure Virtual Desktop desktops
- Azure limitations for Azure Virtual Desktop
- Virtual machine sizing for Azure Virtual Desktop
- Azure Virtual Desktop pricing
- Module assessment

2 - Design the Azure Virtual Desktop architecture

- Assess network capacity and speed requirements for Azure Virtual Desktop
- Azure Virtual Desktop Experience Estimator
- Recommend an operating system for an Azure Virtual Desktop implementation
- Balancing host pools
- Recommendations for using subscriptions and management groups
- Configure a location for the Azure Virtual Desktop metadata
- Recommend a configuration for performance requirements
- Module assessment

3 - Design for user identities and profiles

- Select an appropriate licensing model for Azure Virtual Desktop based on requirements
- Personal and multi-session desktop scenarios
- Recommend an appropriate storage solution
- Plan for a desktop client deployment
- Plan for Azure Virtual Desktop client deployment - Remote Desktop Protocol (RDP)
- Windows Desktop client to multiple devices
- Hybrid Identity with Microsoft Entra ID
- Plan for Microsoft Entra Connect for user identities
- Module assessment

4 - Implement and manage networking for Azure Virtual Desktop

- Plan implement remote desktop protocol shortpath
- Analyze connection quality in Azure Virtual Desktop
- Remote Desktop Protocol (RDP) bandwidth requirements
- RDP Shortpath for Azure Virtual Desktop
- RDP Shortpath for Azure Virtual Desktop sample scenarios
- Manage connectivity internet premises Networks
- Plan and implement an Azure Private Link solution for Azure Virtual Desktop
- Create an RDP connection to a Windows VM using Azure Bastion
- Monitor troubleshoot Network Watcher
- Module assessment

5 - Implement and manage storage for Azure Virtual Desktop

- Plan storage for Azure Virtual Desktop user data
- Azure storage management
- Azure Files tiers
- Azure NetApp Files tiers
- Implement storage accounts for Azure Virtual Desktop
- Module assessment

6 - Create and configure host pools and session hosts for Azure Virtual Desktop

- Prerequisites for Azure Virtual Desktop
- Operating systems and Azure regions
- Network and Remote Desktop client planning
- Create a host pool
- Create a host pool using the Azure portal
- Add session hosts to a host pool
- Customize Remote Desktop Protocol (RDP) properties for a host pool
- Module assessment

7 - Create and manage session host image for Azure Virtual Desktop

- Create a golden image in Azure
- Using Azure VM Image Builder
- Create an Azure Virtual Desktop image by using VM Image Builder and PowerShell
- Plan for image update and management
- Manage licensing for session hosts that run Windows client
- Install language packs in Azure Virtual Desktop
- Module assessment

8 - Manage access for Azure Virtual Desktop

- Selecting an identity strategy for Azure Virtual Desktop
- Selecting an authentication strategy for Azure Virtual Desktop
- Role-based access control (RBAC) for Azure Virtual Desktop
- Plan and implement Azure roles and role-based access control (RBAC) for Azure Virtual Desktop
- Assign RBAC roles to the Azure Virtual Desktop service principals
- Enforce Microsoft Entra multifactor authentication for Azure Virtual Desktop using Conditional Access
- Using Azure Virtual Desktop with Microsoft Intune
- Module assessment

9 - Manage security for Azure Virtual Desktop

- Security recommendations for Azure Virtual Desktop
- Connect your Azure subscriptions to Microsoft Defender for Cloud
- Microsoft Defender for Endpoint for Azure Virtual Desktop sessions
- Apply Zero Trust principles to an Azure Virtual Desktop deployment
- Plan and implement Conditional Access policies for connections to Azure Virtual Desktop
- Security posture management and threat protection
- Module assessment

10 - Implement and manage FSLogix

- Overview of FSLogix
- Understand FSLogix containers
- Configure FSLogix Profile Containers
- Configure FSLogix Office Containers
- Configure profile containers with Cloud Cache
- Using FSLogix Apps RuleEditor and Rule Sets
- Create and Implementing Rule Sets for Application Masking
- Implement Azure NetApp Files for Azure Virtual Desktop
- Module assessment

11 - Configure user experience settings

- Connect to Azure Virtual Desktop with the Remote Desktop client for Windows
- Configure session timeout properties
- Implement the Start Virtual Machine on Connect feature
- Configure Universal Print
- Configure device redirections
- Troubleshoot Azure Virtual Desktop clients
- Module assessment

12 - Install and configure apps on a session host

- Create and configure an application group
- Assign users to application groups
- Publish an application as a RemoteApp
- Implement and manage OneDrive, including multisession environments
- Implement and manage Microsoft Teams for Remote Desktop
- Implement and manage Microsoft 365 Apps on Azure Virtual Desktop session hosts
- Configure dynamic application delivery by using app attach or MSIX app attach
- Create an application package for app attach or MSIX app attach
- Module assessment

13 - Monitor and manage performance and health

- Configure log collection and analysis for Azure Virtual Desktop session hosts
- Monitor Azure Virtual Desktop by using Azure Monitor
- Customize Azure Monitor workbooks for Azure Virtual Desktop Insights
- Monitor Azure Virtual Desktop by using Azure Advisor
- Implement scaling plans in host pools
- Optimize capacity and performance
- Module assessment

14 - Plan and implement updates, backups, and disaster recovery

- Disaster recovery for Azure Virtual Desktop
- Design and implement a backup strategy for Azure Virtual Desktop
- Monitor costs by using Azure Cost Management
- Module assessment

, Azure Virtual Desktop Architecture, Design the Azure Virtual Desktop architecture, Design for user identities and profiles, Implement and manage networking for Azure Virtual Desktop, Implement and manage storage for Azure Virtual Desktop, Create and configure host pools and session hosts for Azure Virtual Desktop, Create and manage session host image for Azure Virtual Desktop, Manage access for Azure Virtual Desktop, Manage security for Azure Virtual Desktop, Implement and manage FSLogix, Configure user experience settings, Install and configure apps on a session host, Monitor and manage performance and health, Plan and implement updates, and disaster recovery, Plan an Azure Virtual Desktop implementation, Implement an Azure Virtual Desktop infrastructure, Manage access

and security for Azure Virtual Desktop, Manage user environments and apps for Azure Virtual Desktop, Monitor and maintain an Azure Virtual Desktop infrastructure, LAB Outline, Automate Azure Virtual Desktop management tasks, Plan for disaster recovery

🎓 Certification Path

Microsoft Certified: Azure Virtual Desktop Specialty

Exam: AZ-140

Upcoming Schedule

Available training dates for AZ-140T00 Configure and Operate Microsoft Azure Virtual Desktop:

Start Date	End Date	Location	Delivery	Price
14 Dec 2026	17 Dec 2026	Online	Virtual	€2,495.00

Frequently Asked Questions

Q: What delivery options are available for AZ-140T00 Configure and Operate Microsoft Azure Virtual Desktop?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The AZ-140T00 Configure and Operate Microsoft Azure Virtual Desktop course helps prepare you for the Microsoft Certified: Azure Virtual Desktop Specialty certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AZ-140 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 4-day AZ-140T00 Configure and Operate Microsoft Azure Virtual Desktop course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AZ-140T00 Configure and Operate Microsoft Azure Virtual Desktop training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AZ-140T00 Configure and Operate Microsoft Azure Virtual Desktop?

Yes, we provide corporate training, dedicated training, and closed classes for AZ-140T00 Configure and Operate Microsoft Azure Virtual Desktop. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: AZ-140T00: Configure and Operate Microsoft Azure Virtual Desktop, Microsoft, vILT, AZ-140T00

Q: Why choose Nexus Human for AZ-140T00 Configure and Operate Microsoft Azure Virtual Desktop?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AZ-140T00 Configure and Operate Microsoft Azure Virtual Desktop training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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