AZ-1005 Configuring Azure Virtual Desktop for the Enterprise

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

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Microsoft Applied Skills: Configure Azure Virtual Desktop for the Enterprise
Related Exam:	AZ-1005

Course Overview

This abbreviated one-day course teaches Azure administrators how to plan, deliver, and manage virtual desktop experiences and remote apps, for any device, on Azure. Summarized 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 condensed demonstrations deploying virtual desktop experiences on Azure Virtual Desktop and running in multi-session virtual environments. This course assumes familiarity with Azure Virtual Desktop, 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 tools common to the Azure environment, such as the Azure PowerShell and Cloud Shell.

About This Course

This abbreviated one-day course teaches Azure administrators how to plan, deliver, and manage virtual desktop experiences and remote apps, for any device, on Azure. Summarized 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 condensed demonstrations deploying virtual desktop experiences on Azure Virtual Desktop and running in multi-session virtual environments. This course assumes familiarity with Azure Virtual Desktop, 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 tools common to the Azure environment, such as the Azure PowerShell and Cloud Shell.

Who Should Attend

Students for AZ-1005: Configuring Azure Virtual Desktop for the Enterprise 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.

Prerequisites & Entry Requirements

General Prerequisites:

- AZ-900T00: Microsoft Azure Fundamentals

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

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

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

4 - Implement and manage networking for Azure Virtual Desktop

- Implement Azure virtual network connectivity
- Manage connectivity to the internet and on-premises networks
- Understanding Azure Virtual Desktop network connectivity
- Implement and manage network security for Azure Virtual Desktop
- Configure Azure Virtual Desktop session hosts using Azure Bastion
- Monitor and troubleshoot network connectivity for Azure Virtual Desktop
- Plan and implement Remote Desktop Protocol Shortpath
- Configure Remote Desktop Protocol Shortpath for managed networks
- Configure Windows Defender Firewall with Advanced Security for RDP Shortpath
- Plan and implement Quality of Service for Azure Virtual Desktop

5 - Implement and manage storage for Azure Virtual Desktop

- Storage for FSLogix components
- Configure storage for FSLogix components
- Configure storage accounts
- Create file shares
- Configure disks

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

- Automate creation of an Azure Virtual Desktop host pool using PowerShell
- Configure host pool assignment type
- Customize Remote Desktop Protocol (RDP) properties for a host pool
- Manage licensing for session hosts that run Windows client
- Deploying Microsoft Entra joined virtual machines in Azure Virtual Desktop

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

- Create a managed virtual machine (VM) image
- Modify a session host image
- Plan for image update and management
- Create and use an Azure Compute Gallery using the portal
- Create an Azure Virtual Desktop image by using VM Image Builder
- Install Microsoft 365 Apps on a master Virtual Hard Disk image
- Install language packs in Azure Virtual Desktop

8 - Implement and manage FSLogix

- Plan for FSLogix
- FSLogix profile containers and Azure files
- Install FSLogix
- Storage options for FSLogix profile containers
- Profile Container vs Office Container
- Configure Office Containers
- Installing Microsoft Office using FSLogix application containers
- Configure Cloud Cache
- Configure Profile Containers
- Create a profile container with Azure NetApp Files and capacity pool
- Manage Rule Sets and application masking

9 - Configure user experience settings

- Virtual desktop optimization principles
- Persistent virtual desktop environments
- Configure user settings through group policies
- Configure user settings through Endpoint Manager policies
- Configure session timeout properties
- Configure device redirections
- Configure Universal Print
- Implement the Start Virtual Machine on Connect feature
- Troubleshoot user profile issues
- Troubleshoot Azure Virtual Desktop clients

10 - Install and configure apps on a session host

- MSIX app attach
- How MSIX app attach works
- Set up a file share for MSIX app attach
- Upload MSIX images to Azure NetApp Files in Azure Virtual Desktop
- How to configure apps for users
- Using the OneDrive sync app on virtual desktops
- Using Microsoft Teams on Azure Virtual desktop
- Publish built-in apps in Azure Virtual Desktop
- Troubleshoot application issues for Azure Virtual Desktop

11 - Plan for disaster recovery

- Disaster recovery for Azure Virtual Desktop
- Virtual machine replication
- FSLogix configuration

12 - Automate Azure Virtual Desktop management tasks

- Scale session hosts using Azure Automation
- Create or update an Azure Automation account
- Create an Azure Automation Run As account
- Create the Azure Logic App and execution schedule

13 - Monitor and manage performance and health

- Monitor Azure Virtual Desktop by using Azure Monitor
- Log Analytics workspace for Azure Monitor
- Monitor Azure Virtual Desktop by using Azure Advisor
- How to resolve Azure Advisor recommendations
- Diagnose graphics performance issues

□□ Certification Path

Microsoft Applied Skills: Configure Azure Virtual Desktop for the Enterprise

Exam: AZ-1005

Frequently Asked Questions

Q: What delivery options are available for AZ-1005 Configuring Azure Virtual Desktop for the Enterprise?

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-1005 Configuring Azure Virtual Desktop for the Enterprise course helps prepare you for the Microsoft Applied Skills: Configure Azure Virtual Desktop for the Enterprise certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AZ-1005 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 1-day AZ-1005 Configuring Azure Virtual Desktop for the Enterprise course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AZ-1005 Configuring Azure Virtual Desktop for the Enterprise training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AZ-1005 Configuring Azure Virtual Desktop for the Enterprise?

Yes, we provide corporate training, dedicated training, and closed classes for AZ-1005 Configuring Azure Virtual Desktop for the Enterprise. 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: Why choose Nexus Human for AZ-1005 Configuring Azure Virtual Desktop for the Enterprise?

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-1005 Configuring Azure Virtual Desktop for the Enterprise 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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