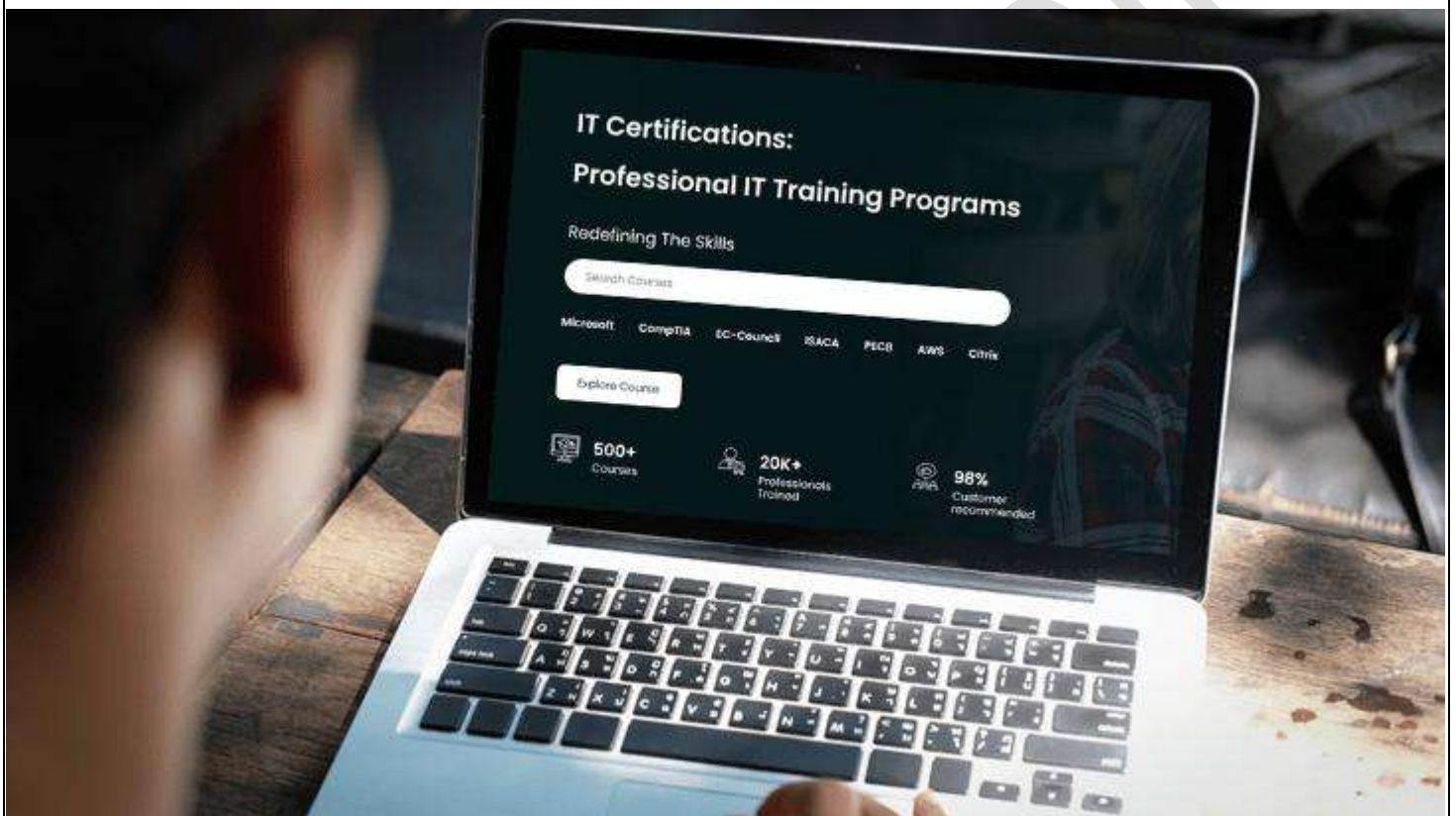




Redefining The Skills



AZ-140: CONFIGURING AND OPERATING MICROSOFT AZURE VIRTUAL DESKTOP TRAINING

Duration: 4 Days

Course Description

AZ-140: Configuring and Operating Microsoft Azure Virtual Desktop Training is aimed at understanding how to plan, manage, and deliver desktop experiences. This also focuses on virtual desktop experiences and remote apps for any device on Azure. In this training, professionals will learn through a mix of demonstrations and hands-on lab experience.

Individuals opting for this course must have solid Azure Administration skills and a certain amount of prior experience in virtualization, networking, identity, storage, backup, and restore. In addition, they should also have experience in using tools that are common to Azure environments, such as Azure PowerShell and Cloud Shell.

Who should attend this course?

As a Windows Virtual Desktop administrator, you will closely work with the Azure Administrators and Architects, along with Microsoft 365 Administrators.

Windows Virtual Desktop administrator responsibilities include planning, deploying, packaging, updating, and maintaining the Azure Windows Virtual Desktop infrastructure.

They also create session host images, implement and manage FSLogix, monitor Windows Virtual Desktop performance, and automate Windows Virtual Desktop management tasks.

What you will learn

- Select an appropriate licensing model for Azure Virtual Desktop
- Implement networking for Azure Virtual Desktop
- Manage Azure Virtual Desktop session hosts by using Azure Bastion
- Configure storage for FSLogix components
- Create and manage session host images
- Implement Azure roles and role-based access control (RBAC) for Azure Virtual Desktop
- Configure user Azure Virtual Desktop experience settings
- Install and configure apps on a session host
- Implement business continuity and disaster recovery
- Monitor and manage Azure Virtual Desktop performance

Prerequisites

- Anyone opting for this course should have solid Azure administration skills.
- A basic understanding of virtualization, network, identity, storage, backup, and disaster recovery is a must.
- A general understanding of on-premises virtual desktop infrastructure technologies as they relate to migrating to Azure Virtual Desktop is beneficial.
- Familiarity with common tools of Azure environment, such as Azure PowerShell and Cloud Shell is expected.

Curriculum

Module 1: Plan an Azure Virtual Desktop implementation

- Azure Virtual Desktop Architecture

- Azure Virtual Desktop Architecture
 - Explain the Azure Virtual Desktop components.
 - Describe the Azure Virtual Desktop architecture.
 - Choose between personal and pooled desktops.
 - Identify the Azure limitations for Azure Virtual Desktop.
 - Describe the options for Azure Virtual Desktop pricing.
- Design the Azure Virtual Desktop architecture
 - Assess network capacity and speed requirements for Azure Virtual Desktop.
 - Determine the connection round-trip time (RTT) from a location through the Azure Virtual Desktop service.
 - Recommend an operating system for an Azure Virtual Desktop implementation.
 - Describe the two load-balancing methods for Azure Virtual Desktop.
 - Recommendation subscriptions and management groups for Azure Virtual Desktop.
 - Recommend a configuration for performance requirements.
- Design for user identities and profiles
 - Select a licensing model for Azure Virtual Desktop.
 - Describe personal and multi-session desktop scenarios.
 - Plan a storage solution storing FSLogix profile containers.
 - Plan for a Desktop client deployment
 - Deploy Windows Desktop client to multiple devices.
 - Describe Hybrid Identity for Azure Virtual Desktop.

Module 2: Implement an Azure Virtual Desktop infrastructure

- Implement and manage networking for Azure Virtual Desktop
 - Recommend a solution for Azure Virtual Desktop network connectivity.
 - Implement Azure virtual network connectivity for Azure Virtual Desktop.
 - Describe network security for Azure Virtual Desktop.
 - Configure Azure Virtual Desktop session hosts using Microsoft Bastion.
 - Monitor communication between a virtual machine and an endpoint.
- Implement and manage storage for Azure Virtual Desktop
 - Choose appropriate storage for FSLogix components.
 - Configure storage for FSLogix components.
 - Configure storage accounts for Azure Files.
 - Configure a new managed data disk to a Windows virtual machine for Azure Virtual Desktop.
 - Create file shares for a storages account for Azure Virtual Desktop.
- Create and configure host pools and session hosts for Azure Virtual Desktop
 - Configure host pool assignment type.
 - Automate creation of an Azure Virtual Desktop host pool using PowerShell.
 - Customize Remote Desktop Protocol (RDP) properties for a host pool.
 - Manage licensing for session hosts that run Windows client.
- Create and manage session host image for Azure Virtual Desktop
 - Create a managed VM image for an Azure Virtual Desktop-specific configuration.
 - Modify a session host image.
 - Plan for image update and management.
 - Create and use a Shared Image Gallery (SIG) for Azure Virtual Desktop.
 - Install language packs in Azure Virtual Desktop.

Module 3: Manage access and security for Azure Virtual Desktop

- Manage access for Azure Virtual Desktop
 - Describe Azure role-based access controls (RBAC) for Azure Virtual Desktop.
 - Plan and implement Azure roles and RBAC for Azure Virtual Desktop.

- Describe how to configure Azure Virtual Desktop with Intune.
- Manage security for Azure Virtual Desktop
 - Plan and implement Conditional Access policies for connections to Azure Virtual Desktop.
 - Plan and implement multifactor authentication (MFA) in Azure Virtual Desktop.
 - Understand Conditional Access policy components.
 - Manage security by using Azure Security Center.
 - Understand Microsoft Defender Antivirus for session hosts.

Module 4: Manage user environments and apps for Azure Virtual Desktop

- Implement and manage FSLogix
 - Plan for FSLogix.
 - Recommend best practices for FSLogix profile containers and Azure files.
 - Install FXLogix.
 - Recommend storage options for FSLogix profile containers.
 - Configure Cloud Cache.
 - Configure Profile Containers.
 - Manage Rule Sets and application masking.
- Configure user experience settings
 - Configure user settings through group policies for Azure Virtual Desktop.
 - Configure user settings through Endpoint Manager policies for Azure Virtual Desktop.
 - Configure session timeout properties for Azure Virtual Desktop.
 - Configure device redirections for Azure Virtual Desktop.
 - Configure Universal Print.
 - Troubleshoot user profile issues.
- Install and configure apps on a session host
 - Describe MSIX app attach for Azure Virtual Desktop.
 - Explain how MSIX app attach works.
 - Set up a file share for MSIX app attach.
 - Use the OneDrive sync app on Azure Virtual Desktops.
 - Use Microsoft Teams on Azure Virtual Desktop.
 - Publish built-in apps in Azure Virtual Desktop.

Module 5: Monitor and maintain an Azure Virtual Desktop infrastructure

- Monitor and manage performance and health
 - Describe how to monitor Azure Virtual Desktop by using Azure Monitor.
 - How to use Log Analytics workspace for Azure Monitor.
 - How to monitor Azure Virtual Desktop by using Azure Advisor.
 - How to resolve Azure Advisor recommendations.
 - How to diagnose graphics performance issues.
- Plan and implement updates, backups, and disaster recovery
 - Configure virtual machine (VM) replication for Azure Virtual Desktop.
 - Configure FSLogix for multiple profile locations.

For any query Contact Us – Microtek Learning
