# AZ-140T00: Configuring and Operating Windows Virtual Desktop on Microsoft Azure

Course ID #: 7000-598-ZZ-Z

Hours: 28

Delivery Method: Instructor Led Live & Group Internet Based

# Course Content

## Course Description:
This course teaches Azure administrators how to plan, deliver, and manage virtual desktop experiences and remote apps, for any device, on Azure. Students will learn through a mix of demonstrations and hands-on lab experiences deploying virtual desktop experiences and apps on Windows Virtual Desktop and optimizing them to run in multi-session virtual environments.

## Course Objectives:
- Select an appropriate licensing model for Windows Virtual Desktop
- Implement networking for Windows Virtual Desktop
- Manage Windows Virtual Desktop session hosts by using Azure Bastion

## Target Audience:
Students for AZ-140 are interested in delivering applications on Windows Virtual Desktop and optimizing them to run in multi-session virtual environments. As a Windows Virtual Desktop administrator, you will work closely 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.

## Prerequisites:
None

## Topics:

**Module 1: Plan a Windows Virtual Desktop Architecture**
In this module, you will learn how to assess existing physical and virtual desktop environments, plan and configure name resolution for Active Directory (AD) and Azure Active Directory Domain Services (Azure AD DS), and plan for Windows Virtual Desktop client deployments.

**Lessons**
- Windows Virtual Desktop Architecture
- Design the WVD architecture
- Design for user identities and profiles

**Labs for this lesson:**
- ○ Prepare for deployment of Azure Windows Virtual Desktop (Azure AD DS)
- ○ Prepare for deployment of Azure Windows Virtual Desktop (AD DS)

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## Module 2: Implement a WVD Infrastructure

In this module, you will learn how to manage connectivity to the internet and on-premises networks, create a host pool by using the Azure portal, deploy host pools and hosts by using Azure Resource Manager templates, apply OS and application updates to a running WVD host, and create a master image.

**Lessons**
- Implement and manage networking for WVD
- Implement and manage storage for WVD
- Create and configure host pools and session hosts
- Create and manage session host image

**Labs for this lesson:**
- Create and configure host pools and session hosts (Azure AD DS)
- Deploy host pools and session hosts by using the Azure portal (AD DS)
- Implement and manage storage for WVD (Azure AD DS)
- Deploy host pools and hosts by using Azure Resource Manager templates
- Deploy and manage host pools and hosts by using PowerShell

## Module 3: Manage Access and Security

In this module, you will learn how to plan and implement Azure roles and RBAC for WVD, implement Conditional Access policies for connections, plan and implement MFA, and manage security by using Azure Security Center.

**Lessons**
- Manage access
- Manage security

**Lab for this lesson:**
- Configure Conditional Access policies for connections to WVD (AD DS)

## Module 4: Manage User Environments and Apps

In this module, you will learn how to plan for FSLogix, install FSLogix, configure Cloud Cache, deploy an application as a RemoteApp, and implement and manage OneDrive for Business for a multi-session environment.

**Lessons**
- Implement and manage FSLogix
- Configure user experience settings
- Install and configure apps on a session host

**Labs for this lesson:**
- Windows Virtual Desktop profile management (Azure AD DS)
- Windows Virtual Desktop profile management (AD DS)
- Windows Virtual Desktop application packaging (AD DS)

## Module 5: Monitor and maintain a WVD infrastructure

In this module, you will learn how to plan and implement a disaster recovery plan for WVD, configure automation for WVD, implement autoscaling in host pools, and optimize session host capacity and performance.

**Lessons**

- Plan and implement business continuity and disaster recovery
- Automate WVD management tasks
- Monitor and manage performance and health

**Lab for this lesson:**

o  Implement autoscaling in host pools (AD DS)

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**NASBA Information:**
**Level: Intermediate**
**Attendance Requirement: To be awarded the full credit hours, you must sign in for the course and attend the entire course.**
**Fields: Computer software & Applications**
**CPEs: 28**

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