Microsoft Azure - Configuring Azure Virtual desktop for the enterprise (AZ-1005)

Référence : MSAZ1005 | **Durée : 1 jour** | **Certification : Aucune**

CONNAISSANCES PREALABLES

• 1-Have used tools common to the Azure environment, such as the Azure PowerShell and Cloud Shell. • 2-Understand english langage because the course material is in English.

PROFIL DES STAGIAIRES

• People who are interested in delivering applications on Azure Virtual Desktop and optimizing them to run in multi-session virtual environments.

OBJECTIFS

• 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. • Plan for disaster recovery. • Automate Azure Virtual Desktop management tasks. • Monitor and manage performance and health.

CERTIFICATION PREPAREE

• Aucune

METHODES PEDAGOGIQUES

• Mise à disposition d'un poste de travail par stagiaire
• Remise d'une documentation pédagogique numérique pendant le stage
• La formation est constituée d'apports théoriques, d'exercices pratiques, de réflexions et de retours d'expérience
• Le suivi de cette formation donne lieu à la signature d'une feuille d'émargement

FORMATEUR

Consultant-Formateur expert Azure

METHODE D'EVALUATION DES ACQUIS

• Auto-évaluation des acquis par le stagiaire via un questionnaire
• Attestation des compétences acquises envoyée au stagiaire
• Attestation de fin de stage adressée avec la facture

CONTENU DU COURS

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

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

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

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

Plan for disaster recovery
- Configure virtual machine (VM) replication for Azure Virtual Desktop
- Configure FSLogix for multiple profile locations

Automate Azure Virtual Desktop management tasks
- Describe how to 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

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