

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

Référence : **MSAZ1005**

Durée : **1 jour (7 heures)**

Certification : **Aucune**

Connaissances préalables

- 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 préparée

- Aucune

Méthodes pédagogiques

- 6 à 12 personnes maximum par cours, 1 poste de travail par stagiaire
- Remise d'une documentation pédagogique papier ou numérique pendant le stage
- La formation est constituée d'apports théoriques, d'exercices pratiques et de réflexions

Formateur·rice

- Consultant-Formateur expert Azure

Méthodes d'évaluation 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

1. 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

2. 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

3. 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

4. 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

5. 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

6. 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

7. 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

8. 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

9. 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

10. 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

11. 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

12. 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

13. Plan for disaster recovery

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

14. 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

15. 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

Notre référent handicap se tient à votre disposition au [01.71.19.70.30](tel:0171197030) ou par mail à referent.handicap@edugroupe.com pour recueillir vos éventuels besoins d'aménagements, afin de vous offrir la meilleure expérience possible.