

# Windows Server 2019 Hybrid and Azure IaaS

Référence : MSWS012

Durée : 3 jours

Certification : **Aucune**

## CONNAISSANCES PREALABLES

- Having experience with managing an on-premises Windows Server environment.

## PROFIL DES STAGIAIRES

- IT Professionals who manage on-premises Windows Server environments and want to use Azure to manage server workloads and secure virtual machines that are running on Windows Server 2019. • This course benefits any role that involves administrative and operational tasks targeting Microsoft Azure Infrastructure as a Service (IaaS) workloads.

## OBJECTIFS

- Describe the foundational principles of Azure IaaS, including compute, storage, and networking. • Identify tools used to implement hybrid solutions, including Windows Admin Center and PowerShell. • Implement identity in Hybrid scenarios, including Azure AD DS on Azure IaaS and managed AD DS. • Integrate Azure AD DS with Azure AD. • Manage and monitor hybrid scenarios using WAC, Azure Arc, Azure Automation and Azure Monitor. • Enhance hybrid security using Azure Security Center, Azure Sentinel, and Windows Update Management. • Implement File Services in hybrid scenarios, using Azure Files and Azure File Sync. • Plan and implement hybrid and cloud-only migration, backup, and recovery scenarios. • Deploy Azure VMs running Windows Server 2019, and configure networking, storage, and security. • Manage and maintain Azure VMs running Windows Server 2019.

## CERTIFICATION PREPAREE

- Aucune

## METHODES PEDAGOGIQUES

- Mise à disposition d'un 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, 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 Windows Server 2019

## METHODE D'EVALUATION DES ACQUIS

- Auto-évaluation des acquis par le stagiaire via un questionnaire
- Attestation de fin de stage adressée avec la facture

## CONTENU DU COURS

### Introducing Azure Hybrid IaaS with Windows Server 2019

- Overview of Azure IaaS
- Overview of the Azure hybrid model
- Using hybrid admin tools

### Implementing identity in hybrid scenarios

- Implementing AD DS on Azure IaaS
- Integrating AD DS with Azure AD

- Implementing managed AD DS environments
- Lab : Implementing integration between AD DS and Azure AD

### Facilitating hybrid management and operational monitoring in hybrid scenarios

- Windows Admin Center
- Azure Arc
- Azure Monitor

- Azure Automation
- Lab : Using Windows Admin Center in hybrid scenarios

### **Implementing security solutions in hybrid scenarios**

- Azure Security Center
- Azure Sentinel
- Managing Windows Updates
- Lab : Using Azure Security Center in hybrid scenarios

### **Implementing file services in hybrid scenarios**

- Implementing Azure Files
- Implementing Azure File Sync
- Lab : Implementing Azure File Sync

### **Deploying and configuring Azure VMs**

- Deploying Azure VMs
- Configuring Azure VM networking
- Configuring Azure VM storage
- Configuring Azure VM security
- Lab : Deploying and configuring Windows Server 2019 on Azure VMs

### **Managing and maintaining Azure VMs**

- Managing Azure VMs running Windows Server 2019
- Maintaining Azure VMs running Windows Server 2019
- Lab : Managing Azure VMs running Windows Server 2019

### **Planning and implementing migration and recovery services in hybrid scenarios**

- Azure Migrate
- Azure Site Recovery
- Storage Replica
- Azure Backup
- Lab : Implementing Azure-based recovery services