

# Windows Azure : Intégration d'une infrastructure de base locale

Référence : MS10992

Durée : 3 jours

Certification : **Aucune**

## CONNAISSANCES PREALABLES

- 1-understanding of on-premises virtualization technologies, including virtual machines, virtual networking, and virtual hard disks. • 2-understanding of network configuration, including TCP/IP, Domain Name System (DNS), VPNs, firewalls, and encryption technologies. • 3-understanding of web applications, including creating, configuring, monitoring, and deploying web applications on Internet Information Services (IIS). • 4-understanding of Active Directory concepts, including domains, forests, domain controllers, replication, the Kerberos protocol, and Lightweight Directory Access Protocol (LDAP). • 5-Knowledge of Windows Server 2012 and Windows Server 2016 fundamentals - Windows PowerShell command-line interface basics - cloud computing basics.

## PROFIL DES STAGIAIRES

- IT professionals and development operations (DevOps) professionals who are well versed in on-premises technologies.

## OBJECTIFS

- Cover a range of components, including Azure Compute, Azure Storage, and network services that customers can benefit from when deploying hybrid solutions. • This course offers an overview of these services, providing the knowledge necessary to design hybrid solutions properly.

## 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 Azure

## 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

### Introduction to Microsoft Azure

- Overview of cloud computing and Azure
- Overview of the Azure deployment models

### Integrating with Azure Compute services

- Overview of Azure virtual machines and Azure cloud services
- Migrating workloads to Azure virtual machines by using virtual machine images and disks

- Extending HPC workloads to Azure
- Integrating compute workloads by using containers and Azure Service Fabric

### Integrating with Microsoft Azure virtual networks

- Overview of Azure Virtual Network Service
- Extending on-premises networks to Azure

### **Integrating with Azure Storage and data services**

- Overview of Azure Storage and data services
- Implementing Azure Backup for on-premises workloads

### **Designing and implementing Azure Site Recovery solutions**

- Overview of Site Recovery
- Planning for Site Recovery
- Implementing Site Recovery with Azure as the disaster recovery site

### **Designing and implementing cross-premises applications**

- Overview of cross-premises application capabilities and their design considerations
- Implementing cross-premises solutions for desktop, web, and mobile apps

### **Integrating operations and application monitoring and management**

- Overview of the cross-premises monitoring and management capabilities of Microsoft Azure
- Implementing cross-premises Azure monitoring and management solutions