

# **INTEGRATING ON-PREMISES CORE INFRASTRUCTURE WITH WINDOWS AZURE**

## **CODE STAGE : MS10992**

### **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 hybr

### **DURÉE**

3 jours

### **PUBLIC**

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

### **PRÉ-REQUIS**

understanding of on-premises virtualization technologies, including virtual machines, virtual networking, and virtual hard disks

understanding of network configuration, including TCP/IP, Domain Name System (DNS), VPNs, firewalls, and encryption technolog

### **PROGRAMME**

#### **1) Introduction to Microsoft Azure**

Overview of cloud computing and Azure

Overview of the Azure deployment models

#### **2) 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

**3) Integrating with Microsoft Azure virtual networks**

Overview of Azure Virtual Network Service

Extending on-premises networks to Azure

**4) Integrating with Azure Storage and data services**

Overview of Azure Storage and data services

Implementing Azure Backup for on-premises workloads

**5) 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

**6) 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

**7) 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

