

20533CC

**Implementing Microsoft  
Azure Infrastructure  
Solutions**

**4 DAYS**

This course teaches information technology (IT) professionals how to provision and manage services in Microsoft Azure (Azure). Students will learn how to implement infrastructure components such as virtual networks, virtual machines, containers, web and mobile apps, and storage in Azure. Students also will learn how to plan for and manage Azure Active Directory (Azure AD), and configure Azure AD integration with the on-premises Active Directory domains.

### **Modül 1: Introduction to Azure**

- Cloud technology overview
- Overview of Azure
- Managing Azure with the Azure portal
- Managing Azure with Windows PowerShell
- Managing Azure with Azure CLI
- Overview of Azure deployment models
- Managing and monitoring Azure resources

### **Modül 2: Implementing and managing Azure networking**

- Overview of Azure networking
- Implementing and managing virtual networks
- Configuring an Azure virtual network
- Configuring virtual network connectivity
- Overview of Azure classic networking

### **Modül 3: Implementing virtual machines**

- Overview of Azure VMs
- Planning deployment of Azure VMs
- Deploying Azure VMs
- Overview of classic Azure VMs

### **Modül 4: Managing Azure VMs**

- Configuring Azure VMs
- Managing disks of Azure VMs
- Managing and monitoring Azure VMs
- Managing classic Azure VMs

### **Modül 5: Implementing containers in Azure**

- Implementing Windows and Linux containers in Azure
- Implementing Azure Container Service

## Modül 6: Planning and Implementing Storage, backup, and recovery services

- Planning storage
- Implementing and managing Azure Storage
- Implementing Azure CDNs
- Implementing Azure Backup
- Planning and implementing Azure Site Recovery

## Modül 7: Implementing Azure App Service

- Introduction to App Service
- Planning app deployment in App Service
- Implementing and maintaining web apps
- Configuring web apps
- Monitoring web apps and WebJobs
- Implementing mobile apps
- Implementing Traffic Manager

## Modül 8: Implementing Azure Cloud Services

- Planning and deploying Azure Cloud Services
- Managing and maintaining Azure Cloud Services

## Modül 9: Implementing Azure Active Directory

- Creating and managing Azure AD tenants
- Configuring application and resource access with Azure AD
- Overview of Azure AD Premium

## Modül 10: Managing an Active Directory infrastructure in a hybrid environment

- Extending an on-premises Active Directory domain to Azure IaaS
- Implementing directory synchronization by using Azure AD Connect
- Implementing SSO in hybrid scenarios

## Modül 11: Implementing Azure-based management and automation

- Implementing OMS
- Implementing Azure Automation
- Implementing Automation runbooks
- Implementing Azure Automation-based management