

Implementing Microsoft Azure Infrastructure Solutions

20533A



Delivery Type: Classroom

Duration: 5 days

Overview:

This course is aimed at experienced IT Professionals who currently administer their on-premise infrastructure. The course introduces the student to Microsoft Azure and then teaches them how to manage their infrastructure in Azure rather than on premise.

Audience Profile:

- ✓ Information Technology (IT) professionals who have some knowledge of cloud technologies and want to learn more about Microsoft Azure.
- ✓ IT professionals who want to deploy, configure, and administer services and virtual machines in Microsoft Azure.

- ✓ IT professional who have used Microsoft System Center to manage and orchestrate a Microsoft server infrastructure.
- ✓ Windows Server administrators who are looking to evaluate and migrate on-premises Active Directory roles and services to the cloud.
- ✓ IT professionals who want to use Windows Azure to host web sites and mobile app back-end services.
- ✓ IT professionals who are experienced in other non-Microsoft cloud technologies, who meet the course prerequisites, and are looking to cross-train on Microsoft Azure.
- ✓ IT professionals who want to take the Microsoft Certification exam, 70-533, Implementing Microsoft Azure Infrastructure Solutions.
- ✓ Engineers who have used DevOps approaches to optimize the

management and lifecycle of the software in their organization.

Course Completion:

After completing this course, students will be able to:

- ✓ Describe Azure architecture components including infrastructure, tools, and portals.
- ✓ Implement and manage virtual networking within Azure and to connect to on-premises environments.
- ✓ Plan and create Azure virtual machines.
- ✓ Configure, manage, and monitor Azure virtual machines to optimize availability and reliability.
- ✓ Implement, manage, backup and monitor storage solutions.
- ✓ Plan and implement data services based on SQL Database to support applications.
- ✓ Deploy and configure websites.
- ✓ Deploy, configure, monitor, and diagnose cloud services.
- ✓ Publish content through CDNs and publish videos by using Media Services.
- ✓ Create and manage Azure AD directories, and configure application integration with Azure AD.
- ✓ Integrate on-premises Windows AD with Azure AD.
- ✓ Automate operations in Azure management by using PowerShell runbooks.

Prerequisites:

- ✓ Understanding of on-premises virtualization technologies including: virtual machines, virtual networking, and virtual hard disks.
- ✓ Understanding of network configuration including: TCP/IP, DNS, virtual private networks, firewalls, and encryption technologies.
- ✓ Understanding of websites including: create, configure, monitor and deploy a website on Internet Information Services (IIS).
- ✓ Understanding of Active Directory concepts including: Domains, Forests, Domain Controllers, replication, Kerberos, and LDAP.
- ✓ Understanding of database concepts including: Tables, queries, Structured Query Language (SQL), and database schemas
- ✓ Understanding of resilience and disaster recovery including: backup and restore operations.