AZ-103T00 - Microsoft Azure Administrator

Overview

This course teaches IT Professionals how to manage their Azure subscriptions, create and scale virtual machines, implement storage solutions, configure virtual networking, back up and share data, connect Azure and on-premises sites, manage network traffic, implement Azure Active Directory, secure identities, and monitor your solution.

Prerequisite Comments

Understanding of on-premises virtualization technologies, including: VMs, virtual networking, and virtual hard disks.
Understanding of network configuration, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies.
Understanding of Active Directory concepts, including domains, forests, domain controllers, replication, Kerberos protocol, and Lightweight Directory Access Protocol (LDAP).
Understanding of resilience and disaster recovery, including backup and restore operations.

Target Audience

This course is for Azure Administrators. Azure Administrators manage the cloud services that span storage, networking, and compute cloud capabilities, with a deep understanding of each service across the full IT lifecycle. They take end-user requests for new cloud applications and make recommendations on services to use for optimal performance and scale, as well as provision, size, monitor and adjust as appropriate. This role requires communicating and coordinating with vendors. Azure Administrators use the Azure Portal and as they become more proficient they use PowerShell and the Command Line Interface.

Course Objectives

Please refer to Overview.

Schedule

Class Length: 4 Days

G2R = "Guaranteed to Run" | OLL = "Online LIVE" ILT = "Instructor-Led-Training"					
10/03/20	G2R	9h00 - 17h00	Lisboa	ILT	EUR 1400
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Course Outline ──────────

Azure Administration

Azure Portal and Cloud Shell
Azure PowerShell and CLI
Resource Manager
ARM Templates

Azure Virtual Machines

Virtual Machine Planning
Creating Virtual Machines
Virtual Machine Availability
Virtual Machine Extensions
Lab : Deploy and Manage Virtual Machines
Lab : Virtual Machines and Scale Sets

Azure Storage

Storage Accounts
Azure Blobs
Azure Files
Storage Security
Lab : Implement and Manage Storage

Virtual Networking

Virtual Networks
IP Addressing and Endpoints
Azure DNS
Network Security Groups
Lab : Configure Azure DNS

Intersite Connectivity

VNet Peering
VNet-to-VNet Connections
ExpressRoute Connections
Lab : VNet Peering and Service Chaining

Monitoring

Azure Monitor
Azure Alerts
Log Analytics
Network Watcher
Lab : Network Watcher

Data Protection

Data Replication
File and Folder Backups
Virtual Machine Backups
Lab : Azure Site Recovery Between Regions

Network Traffic Management

Network Routing
Azure Load Balancer
Azure Traffic Manager
Lab : Load Balancer and Traffic Manager

Azure Active Directory

Azure Active Directory
Azure AD Connect
Azure AD Join
Lab : Implement Directory Synchronization

Securing Identities

Multi-Factor Authentication
Azure AD Identity Protection
Self-Service Password Reset
Lab : Azure AD Identity Protection
Lab : Self-Service Password Reset

Governance and Compliance

Subscriptions and Accounts
Role-Based Access Control (RBAC)
Users and Groups
Azure Policy
Lab : Role-Based Access Control
Lab : Governance and Compliance

Data Services

Content Delivery Network
File Sync
Import and Export Service
Data Box
Lab : File Sync