

Course duration

- 4 days

Course Benefits

- Manage Azure subscriptions.
- Secure identities.
- Administer the infrastructure.
- Configure virtual networking.
- Connect Azure and on-premises sites.
- Manage network traffic.
- Implement storage solutions.
- Create and scale virtual machines.
- Implement web apps and containers.
- Back up and share data.
- Monitor your solution.

Available Delivery Methods

Public Class

Public expert-led online training from the convenience of your home, office or anywhere with an internet connection. Guaranteed to run .

Private Class

Private classes are delivered for groups at your offices or a location of your choice.

Microsoft Certified Partner

Webucator is a Microsoft Certified Partner for Learning Solutions (CPLS). This class uses official Microsoft courseware and will be delivered by a Microsoft Certified Trainer (MCT).

Course Outline

1. Identity
 1. Azure Active Directory
 2. Users and Groups
 3. Lab: Manage Azure Active Directory Identities

2. Governance and Compliance
 1. Subscriptions and Accounts
 2. Azure Policy
 3. Role-based Access Control (RBAC)
 4. Lab: Manage Subscriptions and RBACLab: Manage Governance via Azure Policy
3. Azure Administration
 1. Azure Resource Manager
 2. Azure Portal and Cloud Shell
 3. Azure PowerShell and CLI
 4. ARM Templates
 5. Lab: Manage Azure resources by Using the Azure Portal
 6. Lab: Manage Azure resources by Using ARM Templates
 7. Lab: Manage Azure resources by Using Azure
 8. PowerShell
 9. Lab: Manage Azure resources by Using Azure CLI
4. Virtual Networking
 1. Virtual Networks
 2. IP Addressing
 3. Network Security groups
 4. Azure Firewall
 5. Azure DNS
 6. Lab: Implement Virtual Networking
5. Intersite Connectivity
 1. VNet Peering
 2. VPN Gateway Connections
 3. ExpressRoute and Virtual WAN
 4. Lab: Implement Intersite Connectivity
6. Network Traffic Management
 1. Network Routing and Endpoints
 2. Azure Load Balancer
 3. Azure Application Gateway
 4. Traffic Manager
 5. Lab: Implement Traffic Management
7. Azure Storage
 1. Storage Accounts
 2. Blob Storage
 3. Storage Security
 4. Azure Files and File Sync
 5. Managing Storage
 6. Lab: Manage Azure storage
8. Azure Virtual Machines
 1. Virtual Machine Planning
 2. Creating Virtual Machines
 3. Virtual Machine Availability
 4. Virtual Machine Extensions
 5. Lab: Manage virtual machines

9. Serverless Computing
 1. Azure App Service Plans
 2. Azure App Service
 3. Container Services
 4. Azure Kubernetes Service
 5. Lab: Implement Web Apps
 6. Lab: Implement Azure Container Instances
 7. Lab: Implement Azure Kubernetes Service
10. Data Protection
 1. File and Folder Backups
 2. Virtual Machine Backups
 3. Lab: Implement Data Protection
11. Monitoring
 1. Azure Monitor
 2. Azure Alerts
 3. Log Analytics
 4. Network Watcher
 5. Lab: Implement Monitoring

Class Materials

Each student will receive a comprehensive set of materials, including course notes and all the class examples.

Class Prerequisites

Experience in the following *is required* for this Azure class:

- 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.