Course duration

- 2 days

Course Benefits

- Learn about cloud services, the types of cloud models, and the types of cloud services.
- Learn about Azure core cloud architectural components, Azure services and products, Azure solutions, and Azure management tools.
- Learn about Azure security, identity, governance, monitoring, reporting, and standards.
- Learn about Azure subscriptions, planning and managing costs, support options, SLAs, and service lifecycles.

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. Cloud Concepts
   1. Why Cloud Services
   2. Types of Cloud models
   3. Types of Cloud services
2. Core Azure Services
   1. Core Azure Architectural components
   2. Core Azure Services and Products
   3. Azure Solutions
   4. Azure management tools

       5. Lab: Walkthrough: Create a virtual machine
       6. Lab: Walkthrough: Deploy Azure container instances
       7. Lab: Walkthrough: Create a virtual network
       8. Lab: Walkthrough: Create blob storage
       9. Lab: Walkthrough: Create a SQL database
     10. Lab: Waltthrough: Implement an Azure IoT Hub
     11. Lab: Walkthrough: Implement Azure Functions
     12. Lab: Walkthrough: Create a web app
     13. Lab: Walkthrough: Create a VM with a Template
     14. Lab: Walkthrough: Create a VM with PowerShell
     15. Lab: Walkthrough: Create a VM with CLI
   3. Security, Privacy, Compliance, and Trust
       1. Secure network connectivity
       2. Core Azure identity services
       3. Security tools and features
       4. Azure governance methodologies
       5. Monitoring and reporting
       6. Privacy, compliance, and data protection standards
       7. Lab: Walkthrough: Secure network traffic
       8. Lab: Walkthrough: Implement Azure key vault
       9. Lab: Walkthrough: Create an Azure Policy
     10. Lab: Walkthrough: Manage access with RBAC
     11. Lab: Walkthrough: Manage resource locks
     12. Lab: Walkthrough: Implement resource tagging
     13. Lab: Walkthrough: Exploring the Trust Center
   4. Azure Pricing and Support
       1. Azure subscriptions
       2. Planning and managing costs
       3. Azure support options
       4. Azure Service Level Agreements (SLAs)
       5. Service lifecycle in Azure
       6. Lab: Walkthrough: Use the Azure Pricing Calculator
       7. Lab: Walkthrough: Use the Azure TCO Calculator
       8. Lab: Walkthrough: Open a Support request
       9. Lab: Walkthrough: Calculate composite SLAs
     10. Lab: Walkthrough: Access Azure Preview features

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:

- There are no prerequisites for taking this course. However, the more technical knowledge a student has the more they will understand about the cloud.