

# Microsoft Azure - IaaS

Aligned with Exam code - 70-532

Exam title - Developing Microsoft Azure Solutions

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**Duration: 5-6 Weeks**

## Prerequisites

- Basic Knowledge of .NET Technologies

## Microsoft Azure

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- 1. Introduction to Windows Azure Infrastructure as a Service**
    - Windows azure SQL Databases
  - 2. Understanding Windows Azure IaaS**
    - Introduction
    - Why use IaaS?
    - Windows Azure Subscriptions
    - Setting up a Trial subscription
    - Windows Azure Portal
    - Support workloads
  - 3. Windows Azure Networks**
    - Understanding azure networks
    - IP Address Ranges
    - Create and delete virtual networks
    - Windows azure name resolutions
    - Endpoints
    - Site to site and Point to site VPNs
    - Network configuration files
  - 4. Storage and disks**
    - Types of disks
    - Creating virtual hard disks
  - 5. Deploying Virtual machines on Windows azure IaaS**
    - Virtual machine options
    - Create and configure a Windows azure Virtual machine
    - Managing Windows azure images
    - Capture and deploy an image
    - Administrator accounts
  - 6. Windows azure IaaS Virtual machine management**
    - Virtual machine startup and shutdown
    - Virtual machine import and export
    - Deploying applications
    - System center app controller
    - Use app controller to deploy a service to Windows azure
    - Using PowerShell to manage windows azure
  - 7. Windows azure websites and SQL Databases**
    - Websites and Virtual machines
  - 8. Windows azure Active Directory**
    - Azure Active Directory Architecture Options
    - Deploying Azure AD and Password Synchronization
  - 9. Windows Azure Backups**
    - Backup Vault
    - Backup Process
    - Data Protection manager and Windows azure
  - 10. Windows Azure IaaS security**
    - IaaS Security
    - Datacenter security
    - Networking
    - Storage
    - Bitlocker
    - Host
    - Azure VMs and software updates
  - 11. High Availability**
    - Understanding Windows azure HA
    - Geo redundant storage
    - Understanding fault domains
    - Understanding update domains
    - Creating availability sets
    - Load balancing Virtual machines
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