

## Microsoft Azure:

### Implementing and Architecting Solutions Certifications - 70-533 and 70-534

- Azure Data Centers
  - Introduction to Azure Networking
  - Microsoft Datacenters No Longer a Requirement
- Azure Virtual Networks
  - Azure Active Directory
  - Understanding IP Addresses
  - Access Control Lists
  - Network Security Groups
  - Resource groups
  - User Defined Routes and IP Forwarding
- Azure Compute
  - Azure Compute
  - Cloud Services
  - Virtual Machines
  - Virtual Machine Sizing
- Azure VPN
  - Overview of VPN and ExpressRoute
  - P2S Point-to-Site VPN
  - S2S Site-to-Site VPN
  - ExpressRoute
- Azure Services
  - Azure Services & Solutions
  - Azure Load Balancer
  - Internal Load Balancer
  - Azure Application Gateway
  - Traffic Manager
  - Azure Media Services
  - Azure Content Delivery Network (CDN)

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- Azure Active Directory
- Microsoft Azure Redis Cache
- What is Azure Multi-Factor Authentication
- Azure Service Bus
  
- Managed Identities
  - Introduction to Azure Security
  - Managed Identities
  - Graph API
  - OAuth and OpenID
  
- Hybrid Identities
  - Hybrid Identities
  - SAML Claims
  - Azure AD FS
  - Application Proxy
  
- Data Security
  - Network Security Group
  - NSGs In Practice
  - Data security in transit and at rest
  - Azure Operations Management Suite
  - Microsoft OMS
  
- Role-Based Security
  - What is Role Based Access Control?
  - RBAC In Practice
  
- Azure Data Storage
  - Introduction to Data Storage
  - Table Storage
  - SQL Storage
  - DocumentDB Storage
  - Blob Storage
  - Queue Storage
  - File Storage

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- SQL Server VM
  - Securing SQL Server
  - Azure Mobile Apps
    - Introduction to Azure Mobile Apps
    - Cross Platform Applications
    - Offline Sync
    - Extend Mobile Apps
    - Mobile Security
  - Azure Notification
    - Azure Notification Hub
  - Web API
    - Web API
    - Scaling Web API
    - Web Jobs
    - Securing Web API
  - Hybrid Applications
    - Service Bus Relay
    - BizTalk
  - Media Services
    - Overview of Azure Media Services
  - Compute Intensive Applications
    - Introduction to Advanced Applications
    - High Performance Computing in Azure
  - Long Running Applications
    - Designing Long Running Applications
  - Selecting Storage Options
    - Considerations for Storage Options
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- Integrating Azure Services with a Solution
  - Azure Machine Learning
  - Big Data
  - Azure Search
- Scalability and Performance of Azure Web Apps
  - Introduction to Azure Web Apps
  - Globally Scale Azure Web Apps
  - Develop Web Apps in .NET
  - Debugging Web Apps
  - Language Options
  - Difference Between Web Apps and VM and Cloud Services
- Deploy Web Apps
  - Site Extensions
  - Packages
  - App Hosting Plans
  - Deployment Slots
- Design for Business Continuity
  - Scaling for Business Continuity
  - Data Replication
  - Disaster Recovery
  - Azure Resource Manager (ARM) Templates
- Business Continuity and Disaster Recovery
  - Introduction to Business Continuity / Disaster Recovery
  - Hyper-V and Hyper-V Replica
  - Azure Backup for VMs
- Azure Backup
  - Overview of Azure Backup
  - Azure Backup LiveLab - Walk-through of Azure Backup
- Chef and Puppet

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- Desired State Configuration (DSC)

