

Azure

- What is Azure?
- Overview of cloud computing
- Cloud offering
- Azure services
- The new world: Azure Resource Manager
- What is it?
- Why use Resource Manager?
- Manager
- Resource group tips
- Tips for using Resource Manager templates
- The classic deployment model
- Role-Based Access Control
- What is it?
- Roles
- Custom roles
- The Azure portal
- Dashboard and hub
- Creating and viewing resources
- Subscription management and billing

- Share administrative privileges for your
- Azure subscription
- Pricing calculator
- Viewing billing in the Azure portal
- Azure Billing APIs
- Azure documentation and samples
- Documentation
- Samples

Azure App Service and Web Apps

- App Service and App Service plans
- What is an App Service?
- what is an App Service plan?
- How does this help you?
- How to create an App Service plan in the Azure portal
- Creating and deploying Web Apps
- What is a Web App
- Options for creating Web Apps
- Configuring, scaling, and monitoring Web Apps

Azure Virtual Machines

- What is Azure Virtual Machines
- Billing
- Service level agreement
- Virtual machine models
- Azure Resource Manager model

- Classic/Azure Service Management model
- Virtual machine components
- Virtual machine, Disks
- Virtual Network
- Availability set
- Create virtual machines
- Create a virtual machine with the Azure portal
- Create a virtual machine with a template
- Connecting to a virtual machine
- Remotely access a virtual machine
- Network connectivity
- Configuring and managing a virtual machine
- Disks
- Fault domains and update domains
- Image capture
- Scaling Azure Virtual Machines
- Resource Manager virtual machines
- Classic virtual machines

Azure Storage

- Storage accounts
- General-purpose storage accounts
- Blob storage accounts
- Storage services
- Blob storage
- File storage
- Table storage
- Queue storage
- Redundancy
- Security and Azure Storage
- Securing your storage account
- Securing access to your data
- Securing your data in transit
- Encryption at rest
- Using Storage Analytics to audit access
- Using Cross-Origin Resource Sharing (CORS)
- Creating and managing storage
- Create a storage account using the Azure portal
- Create a container and upload blobs using Visual Studio Cloud Explorer
- Create a file share and upload files using the Azure portal
- Create a table and add records using the Visual Studio Cloud Explorer
- Create a storage account using PowerShell
- Create a container and upload blobs using PowerShell
- Create a file share and upload files using PowerShell
- Az Copy: (tool)
- The Azure Data Movement Library

Azure Virtual Networks

- What is a virtual network (VNet)?
- Overview
- Definitions
- Creating a virtual network
- Creating a virtual network using the Azure portal
- Creating a virtual network using a Resource
- Manager template
- Network Security Groups
- Cross-premises connection options
 - Site-to-site connectivity
 - Point-to-site connectivity
- Comparing site-to-site and point-to-site connectivity
- Private site-to-site connectivity (ExpressRoute)
- Point-to-site network
- Overview of setup process
- Configuring point-to-site VPN

Databases

- Azure SQL Database
- Administration
- Billing
- Business continuity
- Applications connecting to SQL Database
- SQL Server in Azure Virtual Machines
- Billing
- Virtual machine configuration
- Business continuity
- Comparing SQL Database with SQL Server in Azure Virtual Machines
- Database alternatives
- MySQL
- NoSQL options

Azure Active Directory

- Overview of Azure Active Directory
- What is Azure Active Directory?
- Active Directory editions
- Creating a directory
- Custom domains
- Delete a directory
- Users and groups
 - Add users
 - Add groups
- Azure Multi-Factor Authentication
- Application gallery
 - Adding gallery applications
 - Assigning users to applications
- MyApps

Management tools

- Management tools overview
- Visual Studio 2015 and the Azure SDK
- Install the Azure SDK
- Manage resources with Cloud Explorer
- Create an Azure resource
- Windows PowerShell
- Azure PowerShell cmdlet installation
- Connecting to Azure
- Cross-platform command-line interface
- Installation
- Connecting to Azure
- Usage