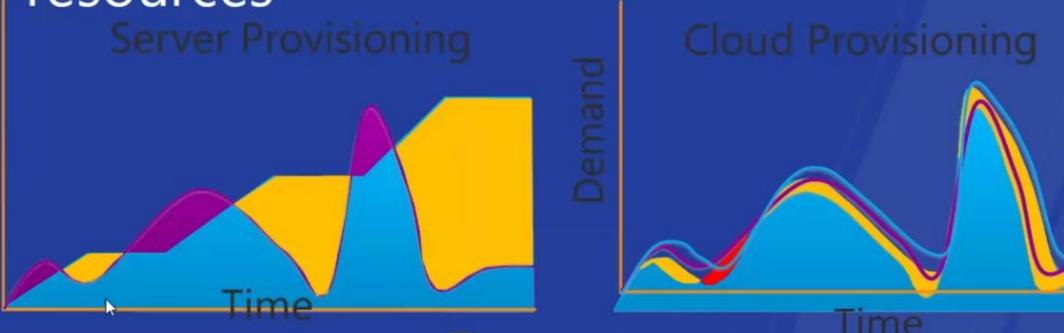
Windows Azure

0

What is a "Cloud"?

 Cloud: on-demand, scalable, multi-tenant, self-service compute and storage resources







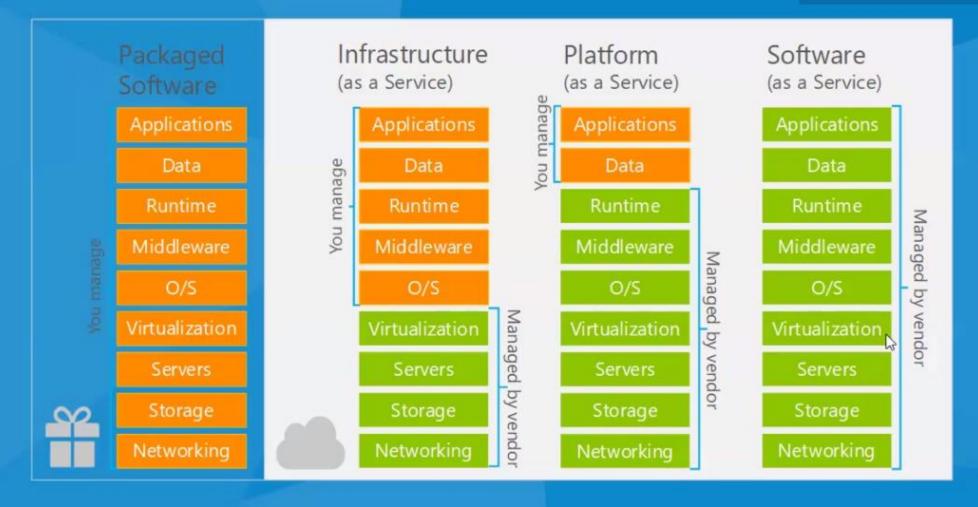








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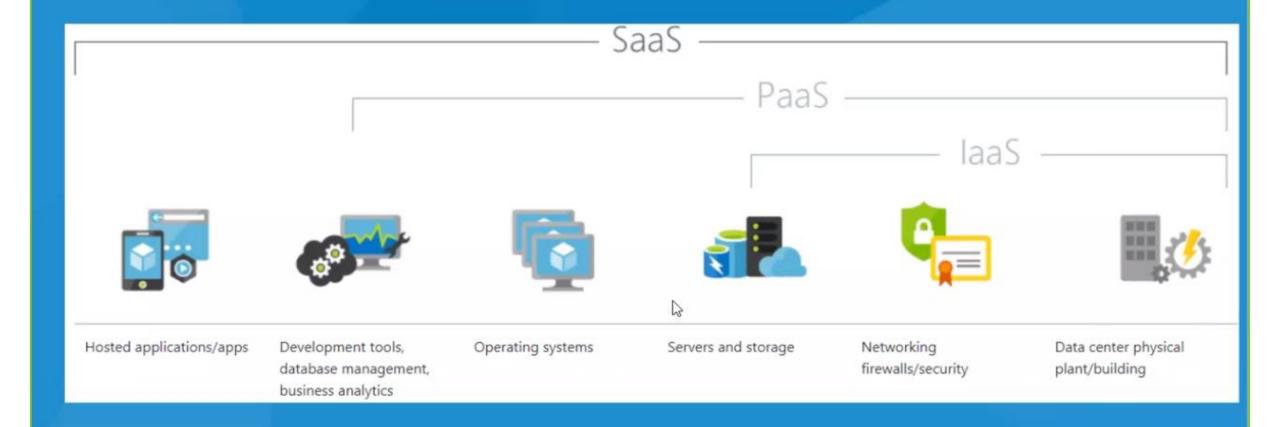




Why we need Windows Azure













Windows Azure

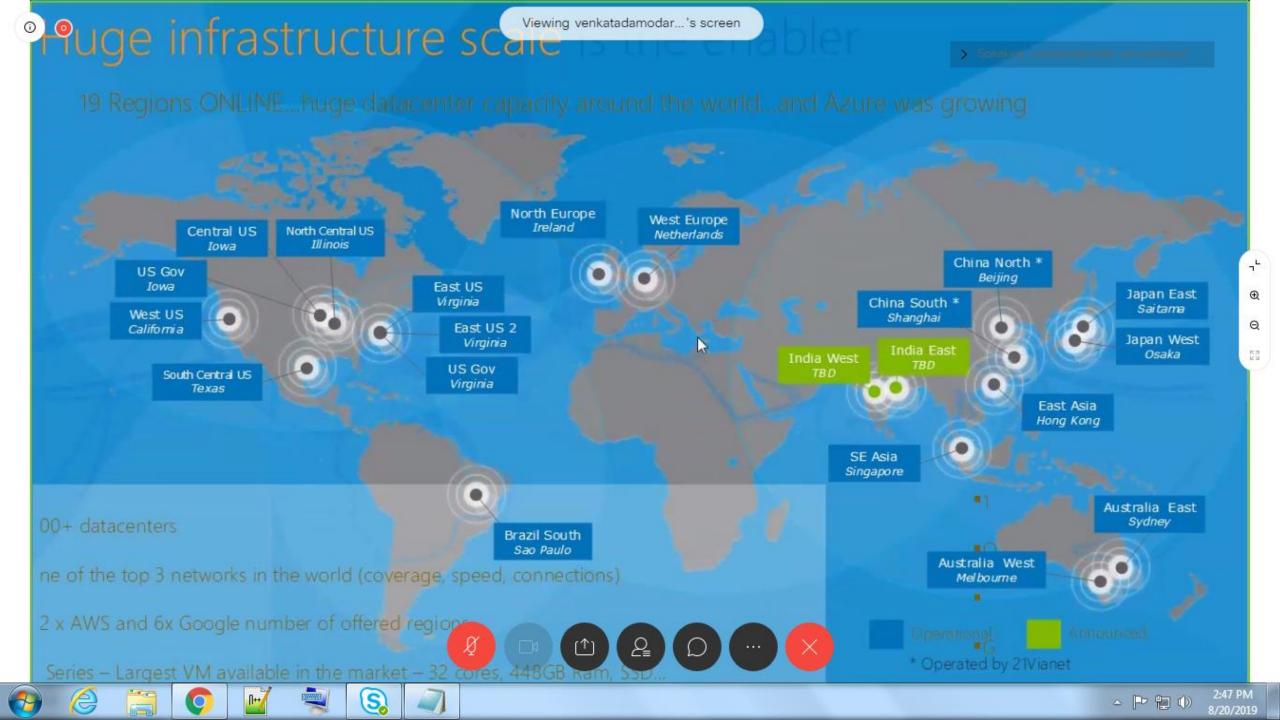




















Virtual Machines

- ← Windows Server and Linux Virtual Machines
- Flexible Workload Support
- Virtual Private Networking



























Windows Azure Virtual Networks

Build virtual networks that scale

- •Traditional, familiar approach to build extension to datacenter
- Scalable approach to building virtual networks

Control over network configuration

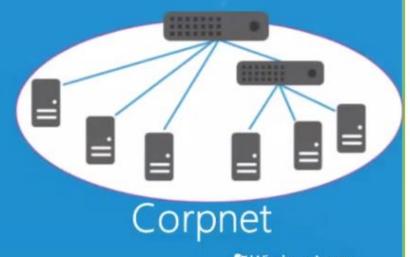
- Define your own IP address ranges
- Be compliant with corporate IT security policy

Enables rich hybrid scenarios

- ·Hybrid apps can reach all or portion of the on-premise network
- •Works with both Windows and non-Windows systems

Windows Azure













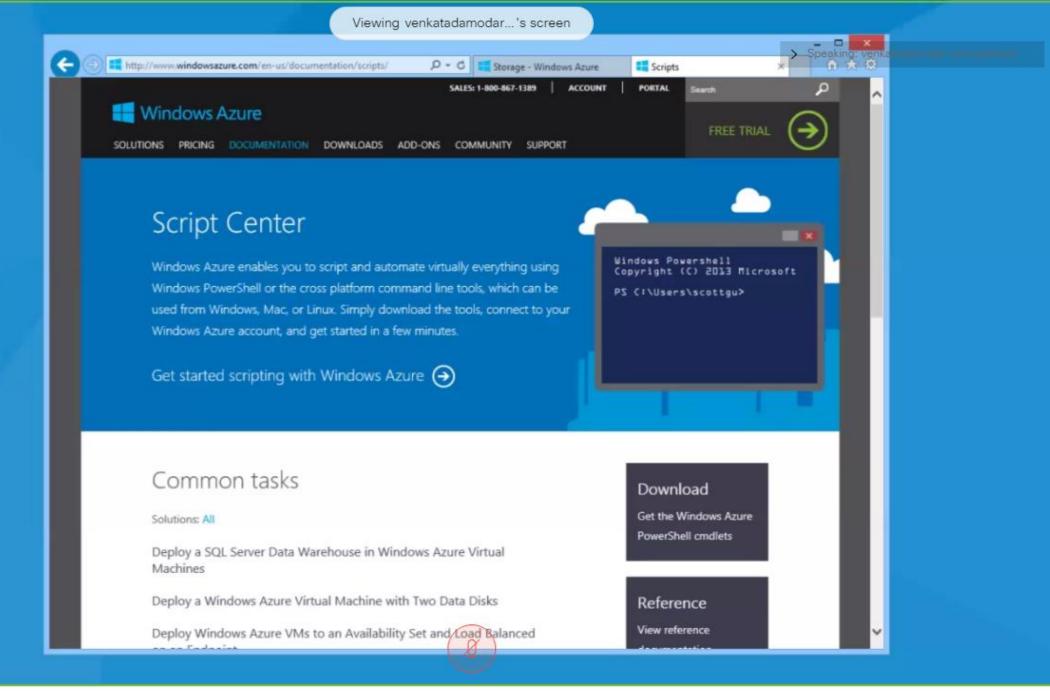






















Storage













CDN



Active Directory

















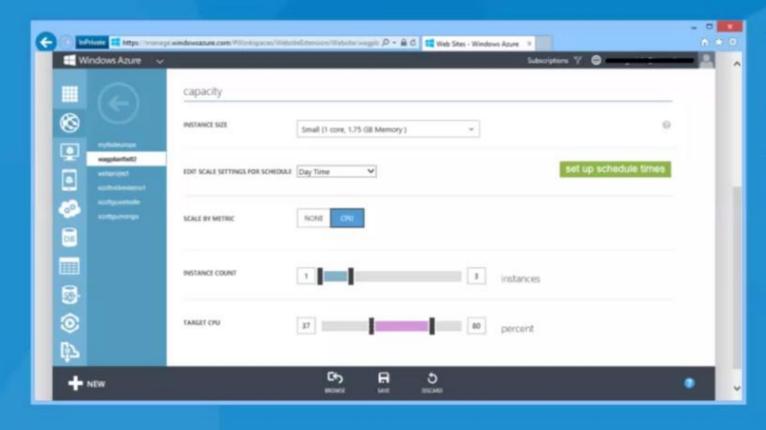
SQL Database

- Relational SQL Server Engine in the Cloud
- ← Clustered for high availability
- ← Fully Managed Service





AutoScale - Built-into Windows Azure



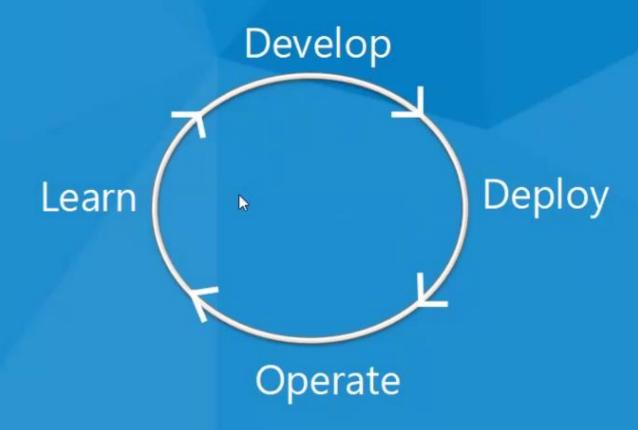
- AutoScale based on real usage
- CPU % thresholds
- 💎 Queue Depth 🔉 🕨
- Supports schedule times







Dev/Ops Workflow



- Repeatable
- Reliable
- Predictable
- Low Cycle Time







































Storage

- ← Highly scalable, durable, available storage system
- ← Blobs can be exposed over http (JSON + CORS)
- Optionally enable client apps short term access
- ce with Physical Drives







Active Directory

- Active Directory in the Cloud
 - Integrate with on-premises Active Directory
- Enable single sign-on within your apps
- Supports SAML, WS-Fed, and OAuth
 2.0





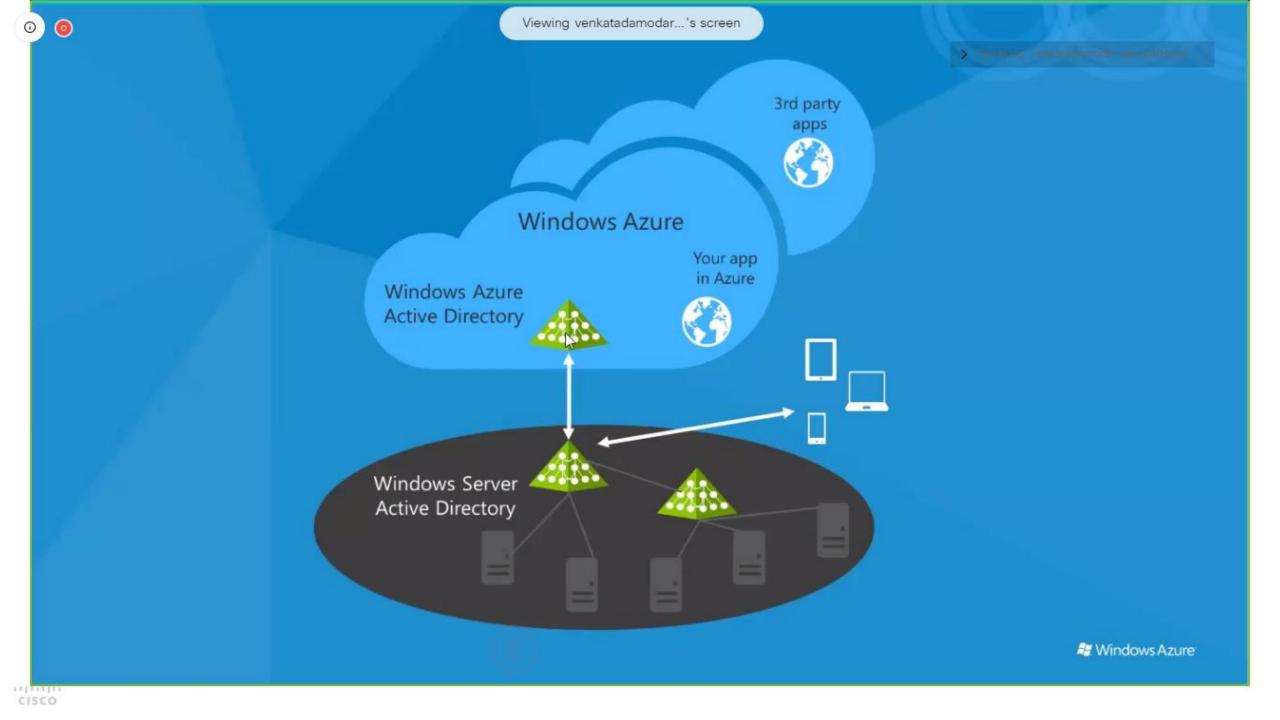
















Azure Resources

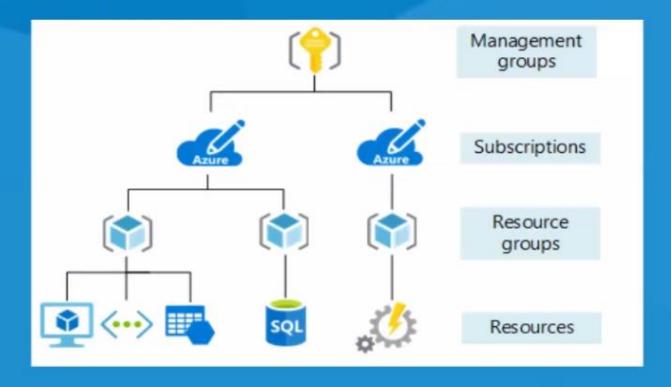








Resource Group



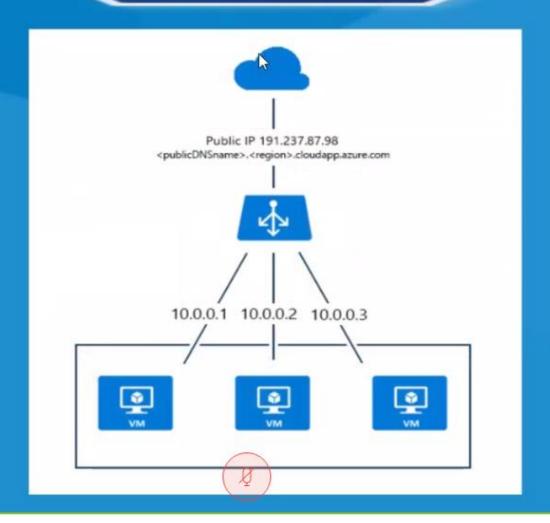








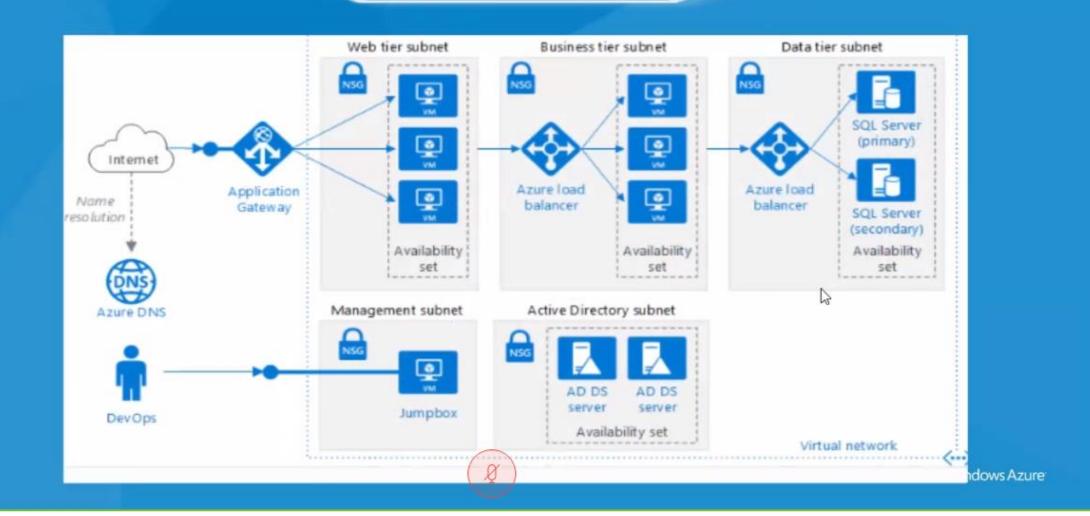
Azure Public and Private IP Address



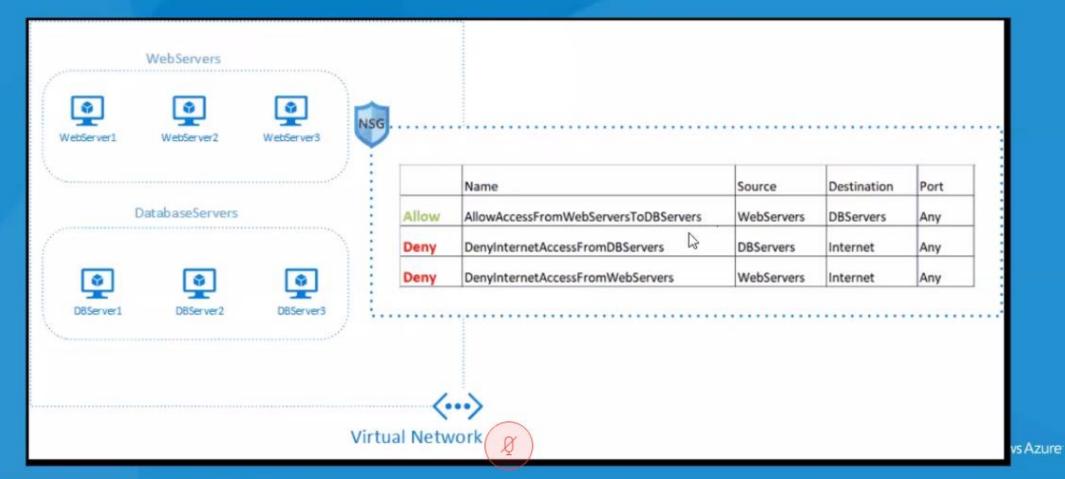




Virtual Network and Sub Net























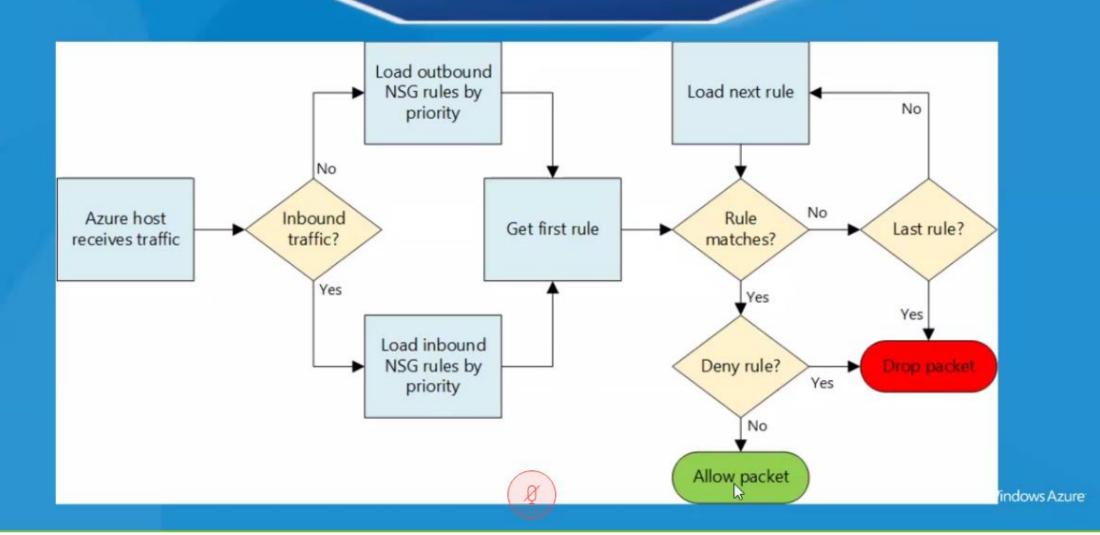








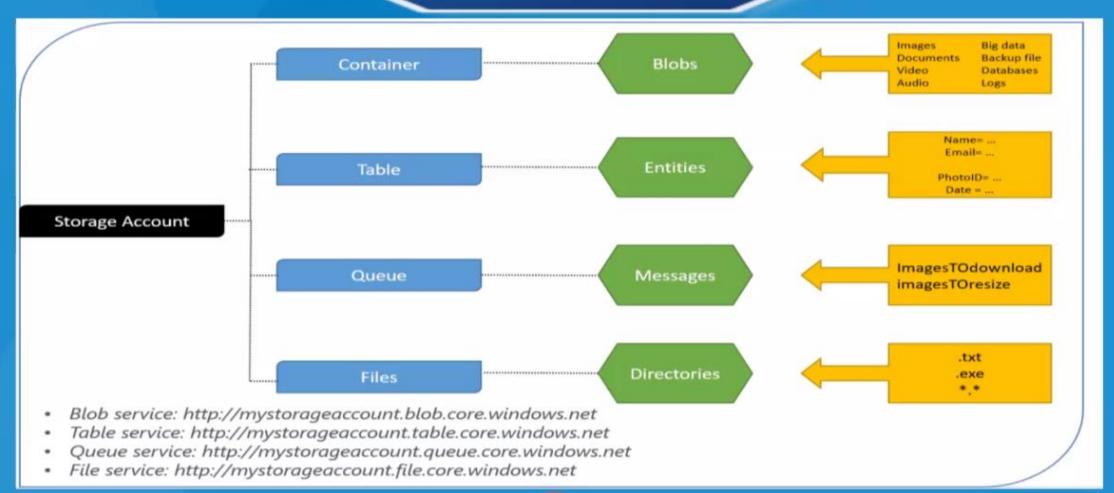
Azure Inbound and Outbound Rules







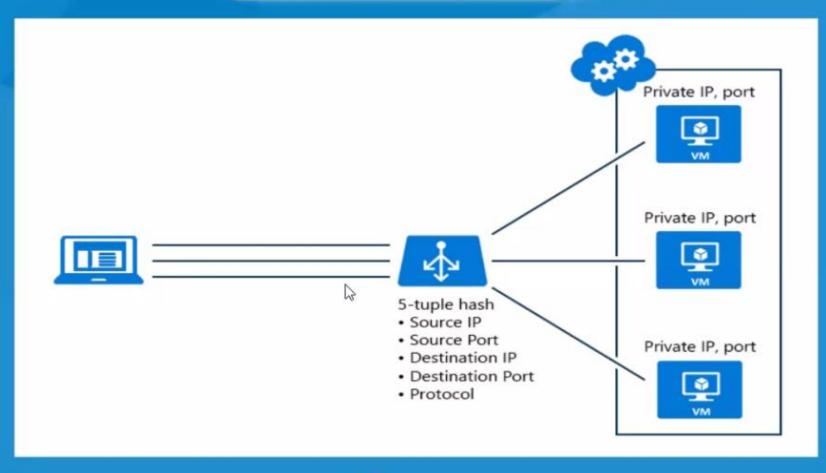
Azure Storage Account







Azure Load Balancer

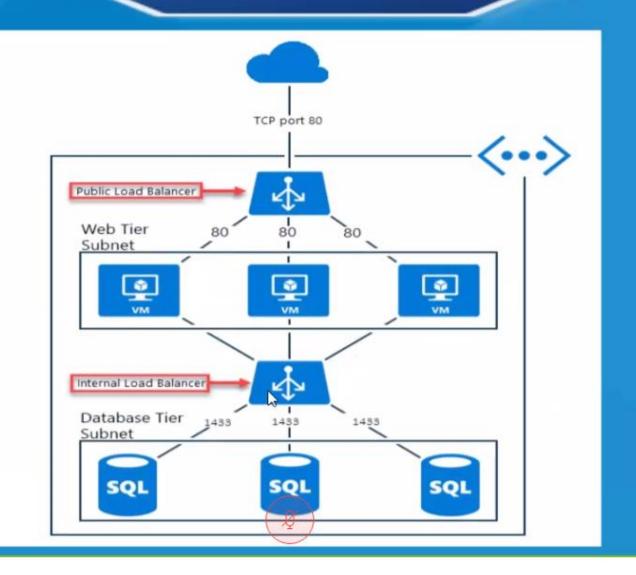








Azure Load Balancer







Viewing venkatadamodar...'s screen

Azure Application Gateway

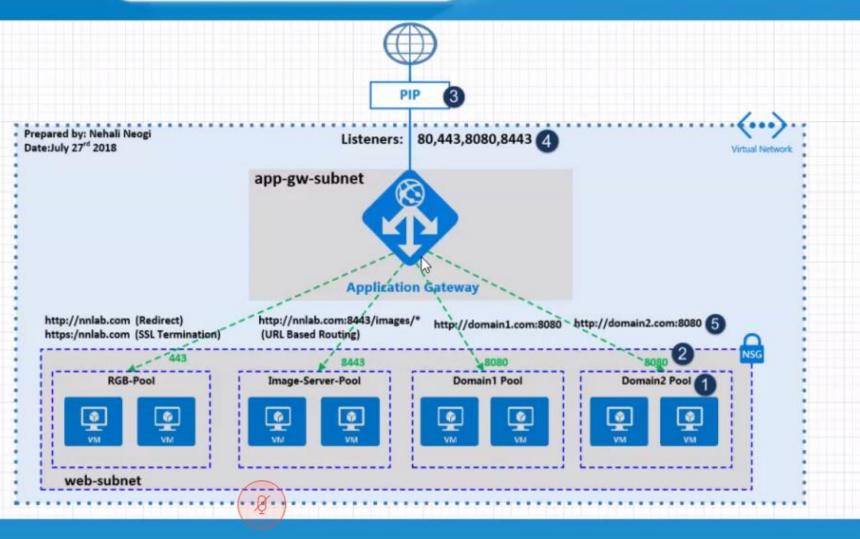
Azure Application Gateway

Features

- SSL Offloading
- ✓ URL Based Routing
- HTTP to HTTPs Redirection
- Multiple-Site hosting
- Cookie Based Session affinity

Steps

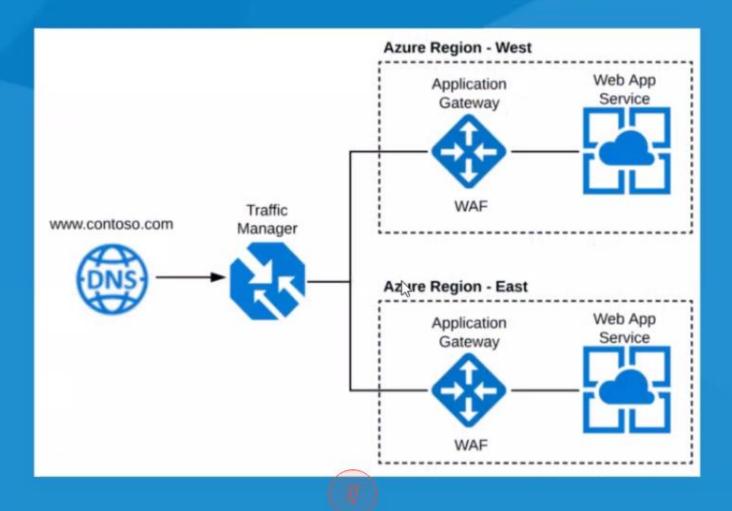
- Create BackendPool
- 2 Create HttpSettings
- 3 Create FrontEnd Public IP
- Create HttpListener
- 6 Create HttpRule







Azure Traffic Manager







Azure DNS Zone

