

About me



Hannes Lagler-Gruener

Multi Cloud Architect



<https://cloudblogger.at>



<https://www.linkedin.com/in/hannes1>



@HannesLagler

<https://cloudblogger.at>



Welcome to a new session about

Advanced network settings in Azure

Video type: Nugget

Video category: Level-300



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Session Agenda

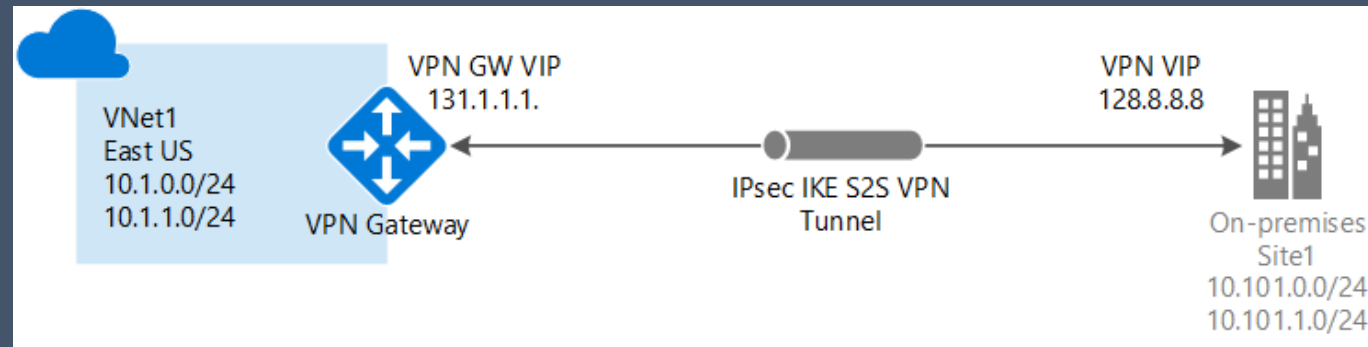
- Azure VPN Gateway
- Azure Firewall
- Azure Network Watcher
- NAT Gateway
- Load Balancer



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Azure VPN Gateway

- Connection between Azure and your DataCenter
- Different SKUs available (up to 10 Gbps)
- Single and Multi-Site VPN (active-passive, active-active)
- Based on IPsec tunnel

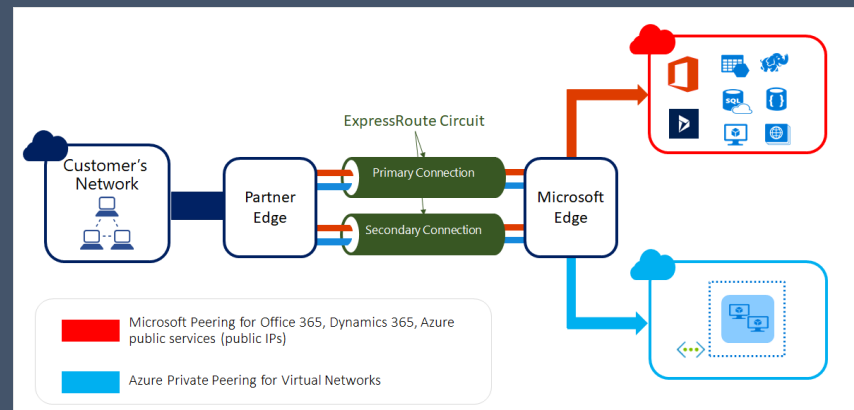


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Azure VPN Gateway

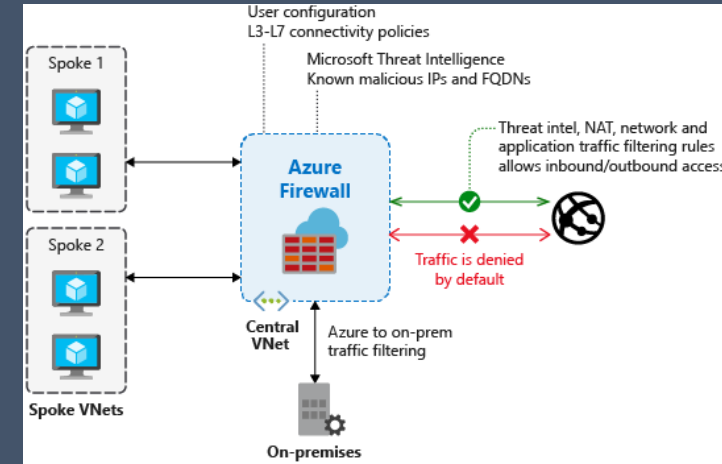
- S2S VPN (for Branch Office)
- P2S VPN (for Home Office)
- Express Route (dedicated connection)
 - BGP routing
 - Two circuits for For IaaS, PaaS, O365
 - Primary and secondary connection

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Azure Firewall

- If you need a layer 7 security
- Standard and Premium (preview)
 - TLS inspection
 - IDPS
 - URL filtering
- A stateful firewall as a service
- High availability with unrestricted cloud scalability
- Central administration over policy manager



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Network Watcher

- Central network monitoring tool
 - Monitor, diagnose, metrics and logging
- Ability to create End to End monitoring checks
- View network topology
- Diagnose network traffic
- Capture packets to and from a VM

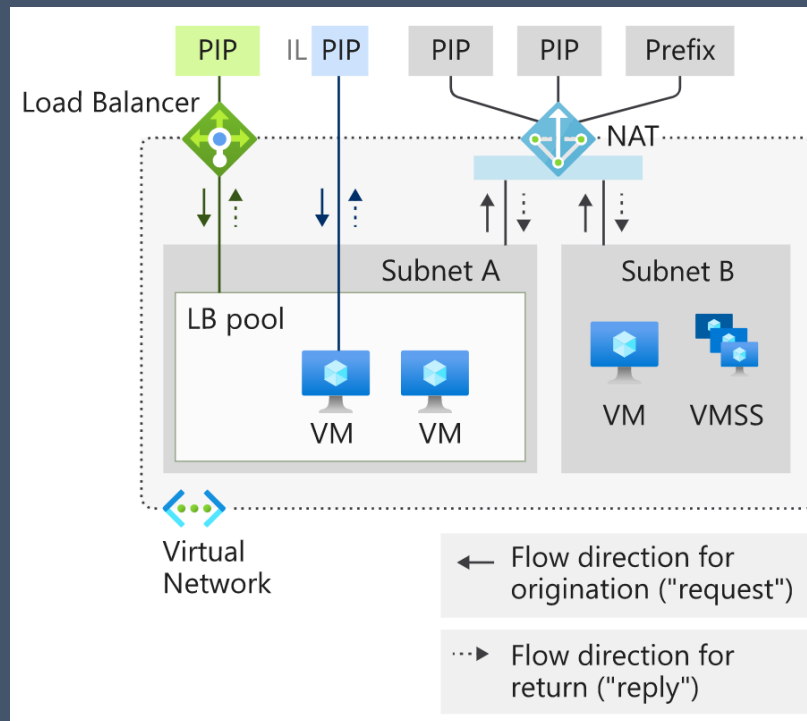


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NAT Gateway

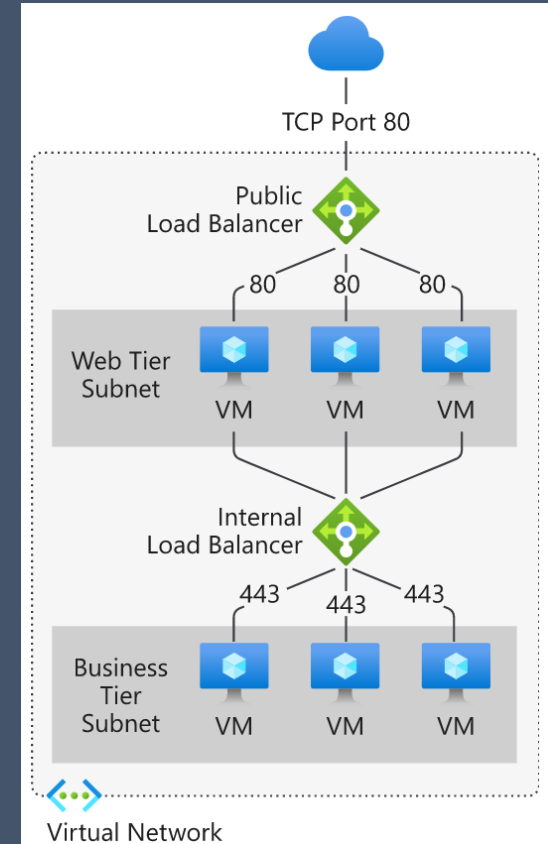
- Outbound-only Internet connectivity
- Outbound connectivity always over configured static IP
- Fully managed and highly resilient
- Connection over LB, PIP or NAT GW

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Loadbalancer

- Layer 4 lb (incoming traffic)
- Regional and global
- Public or private
- Standard lb
 - Zero trust network model
 - Secure by default
 - Permit access over NSG
- Basic
 - Open to the internet by default



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Switch to the Live Demo!

APPLAUSE

Scenario1

- Add Public-IP to Demo App
- Define NSGs/AppSGs for Demo App

Scenario2

- Create internal and external LB for Demo App

Scenario3

- Secure Frontend over Azure Firewall
- Define routing for the whole network



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