

Azure Network Engineer Associate (AZ-700) Bootcamp

Earn Your Azure Network Engineer Associate
Badge

Reza Salehi

Cloud Consultant and Trainer

linkedin.com/in/rezasalehi2008





Microsoft Azure Fundamentals (AZ-900) Certification Course, 2nd Edition

With your instructor

[Reza Salehi](#)

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Associated roles

[Cloud native engineer](#)

[Cloud solutions architect](#)

[Cybersecurity engineer](#)

[Database administrator](#)

[+1 more](#)

Skills covered

[AZ-900: Microsoft Azure Fundamentals](#)

[AZ-303: Microsoft Azure Architect...](#)

[AZ-500: Microsoft Azure Security...](#)

[AI-900: Microsoft Azure AI Fundamentals](#)

Includes quizzes

Test your knowledge during the course and with a final quiz.

October 2024

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4h 55m remaining

Learning Outcomes

- Gain knowledge of Azure cloud concepts and services
- Explore Azure services in greater depth
- Get ready for Exam AZ-900: Microsoft Azure Fundamentals
- Comfortably work with the Azure portal

The Microsoft Azure Fundamentals (AZ-900) exam is one of the most popular certifications for those who are just beginning to work with cloud-based solutions and services or who are new to Azure. The exam certifies knowledge of cloud concepts, Azure services, workloads, security and privacy, and pricing and support.

In this self-paced course, Reza Salehi will help you get familiar with Microsoft Azure's cloud services and begin your Azure certification journey. This course is aligned to the AZ-900 exam objective domains and has recently been updated to reflect the most current version of the exam (2024). It covers all the services and concepts in the Azure ecosystem you need to know in order to prepare for the test.

What you'll learn and how to apply it

By the end of this certification course, you will understand the following:

- General cloud concepts
- Core Azure services
- Core solutions and management tools on Azure
- General security and network security features
- Identity, governance, privacy, and compliance features
- Azure cost management and service-level agreements

Azure Cookbook

<https://learning.oreilly.com/library/view/azure-cookbook/9781098135782/>

<https://www.amazon.ca/Azure-Cookbook-Recipes-Maintain-Solutions/dp/1098135792/>

<https://www.amazon.com/Azure-Cookbook-Recipes-Maintain-Solutions/dp/1098135792>

O'REILLY®

Azure Cookbook

Recipes to Create and Maintain Cloud Solutions
in Azure



Reza Salehi

Course Overview





Learning Objectives

By the end of this course, you will understand:

- Learning objectives covered in Exam AZ-700: Designing and Implementing Microsoft Azure Networking Solutions
- Core Azure networking infrastructure
- Azure connectivity services
- Azure application delivery services
- Private access to Azure services
- Azure resources network security





Course Repository

<https://github.com/zaalion/oreilly-az-700>



Congratulations, you passed!

You've renewed your Microsoft Certified: Azure Security Engineer Associate and have extended it by one year.



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1 branch

0 tags

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OReilly-AZ-500-Slide-Deck.pptx

Slide deck for December 22



README.md

Initial commit

README.md

oreilly-az-500



Local

Codespaces New

Clone

HTTPS SSH GitHub CLI

<https://github.com/zaalion/oreilly-az-500.git>



Use Git or checkout with SVN using the web URL.

Open with GitHub Desktop

Open with Visual Studio

Download ZIP



EXAMS

Exam AZ-700: Designing and Implementing Microsoft Azure Networking Solutions



Candidates for this exam should have subject matter expertise in planning, implementing, and managing Azure networking solutions, including core network infrastructure, hybrid connectivity, application delivery services, private access to Azure services, and network security.

Responsibilities for Azure network engineers include optimizing performance, resiliency, scale, and security of Azure networking solutions. These professionals deploy the solutions by using the Azure portal, the command line, and templates. They proactively monitor network environments to identify issues and minimize risk.

Azure network engineers work with solution architects, cloud administrators, security engineers, application developers, and DevOps engineers to deliver Azure solutions. They also assist Azure support engineers in resolving connectivity issues reported by customers.

Important

The English language version of this exam will be updated on October 31, 2023. Review the study guide linked in the "Tip" box for details on upcoming changes. If a localized version of this exam is available, it will be updated approximately eight weeks after this date. While Microsoft makes every effort to update localized versions as noted, there may be times when the localized versions of this exam are not updated on this schedule.

Passing score: 700. [Learn more about exam scores.](#)

Tip

- Watch [AZ-700 exam prep videos on Learn](#)
- Review the [AZ-700 study guide](#) to help you prepare for the exam
- Demo the exam experience by visiting our [exam sandbox](#)

Part of the requirements for: [Microsoft Certified: Azure Network Engineer Associate](#)

Related exams: none

[Go to Learn Profile](#)

Two ways to prepare

Self-paced

Instructor-led

Items in this collection

LEARNING PATH

AZ-700 Designing and Implementing Microsoft Azure Networking Solutions

8 Modules

Intermediate • Administrator • Application Gateway



[Start >](#)

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Pulse Check: Are you familiar with computer networking fundamentals, including IP ranges, CIDR, and subnets?

Azure Network Engineer Associate (AZ-700) Skills

- Design and implement core networking infrastructure (25–30%)
- Design, implement, and manage connectivity services (20–25%)
- Design and implement application delivery services (15–20%)
- Design and implement private access to Azure services (10–15%)
- Design and implement Azure network security services (15–20%)

Design and implement core networking infrastructure (25–30%)





Design and implement core networking infrastructure (20–25%)

- Design and implement IP addressing for Azure resources
- Design and implement name resolution
- Design and implement VNet connectivity and routing
- Monitor networks





Design and implement IP addressing for Azure resources

- Plan and implement network segmentation and address spaces
- Create a virtual network (VNet) [see [1](#) [2](#)]
- Plan and configure subnetting for services, including VNet gateways, private endpoints, firewalls, application gateways, VNet-integrated platform services, and Azure Bastion
- Plan and configure shared or dedicated subnets
- Plan and configure subnet delegation
- Create a prefix for public IP addresses
- Choose when to use a public IP address prefix
- Plan and implement a custom public IP address prefix (bring your own IP)
- Create a new public IP address
- Associate public IP addresses to resources



Design and implement name resolution

- Design name resolution inside a VNet
- Configure DNS settings for a VNet
- Design public DNS zones
- Design private DNS zones
- Configure a public or private DNS zone
- Link a private DNS zone to a Vnet
- Design and implement DNS private resolver [see [1](#) [2](#)]



Design and implement VNet connectivity and routing

- Design service chaining, including gateway transit [also see [1](#) [2](#)]
- Design virtual private network (VPN) connectivity between VNets
- Implement VNet peering
- Design and implement user-defined routes (UDRs)
- Associate a route table with a subnet
- Configure forced tunneling
- Diagnose and resolve routing issues [see [1](#) [2](#)]
- Design and implement Azure Route Server
- Identify appropriate use cases for a Virtual Network NAT gateway
- Implement a NAT gateway



Monitor networks

- Configure [monitoring, network diagnostics, and logs](#) in [Azure Network Watcher](#)
- Monitor and repair network health by using [Azure Network Watcher](#)
- Monitor and troubleshoot networks by using [Azure Monitor Network Insights](#)
- Activate and monitor distributed denial-of-service ([DDoS](#)) protection
- Evaluate network security recommendations identified by Microsoft Defender for Cloud [Secure Score](#)
- Evaluate network security recommendations identified by [Microsoft Defender For Cloud Attack Path Analysis](#)
- Identify network resources by using Microsoft Defender for [Cloud Security Explorer](#)

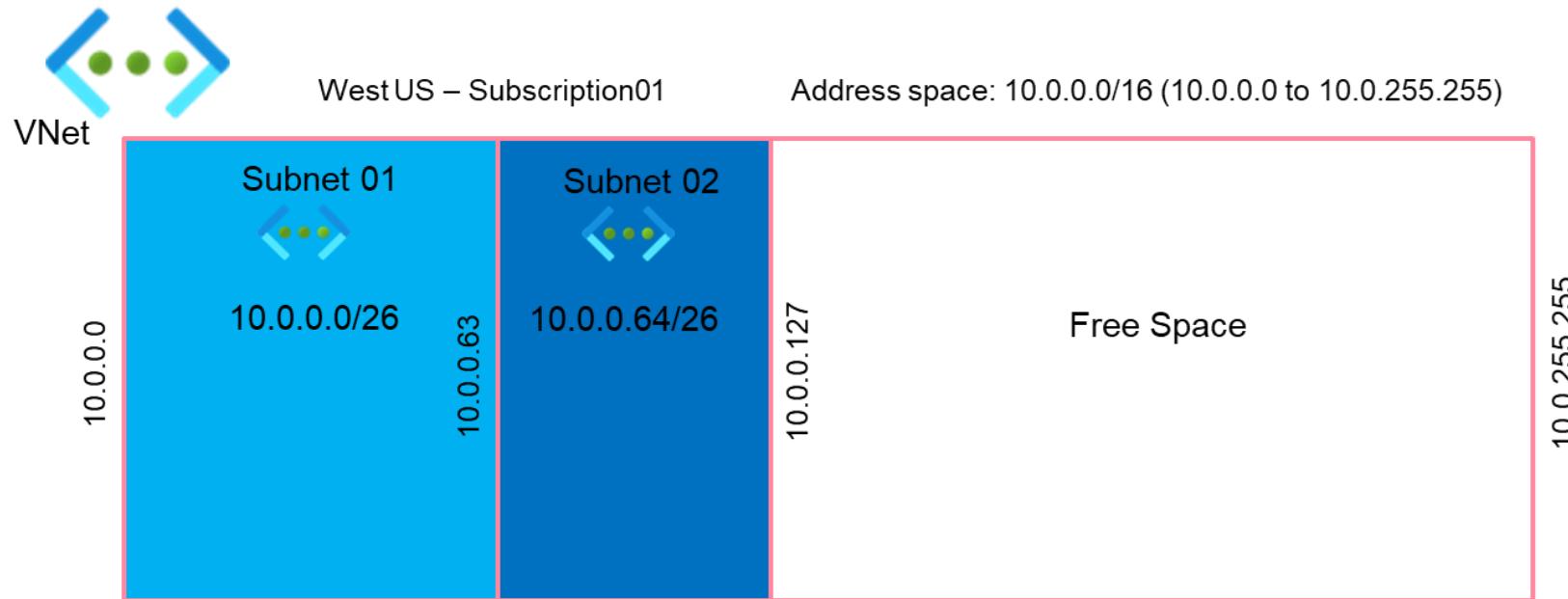


Poll: You have two VMs in your Azure subscription. VM01 is deployed to East US, and VM02 is provisioned in West US. Can you all both VMs to the same Azure Virtual Network?

- Yes
- No



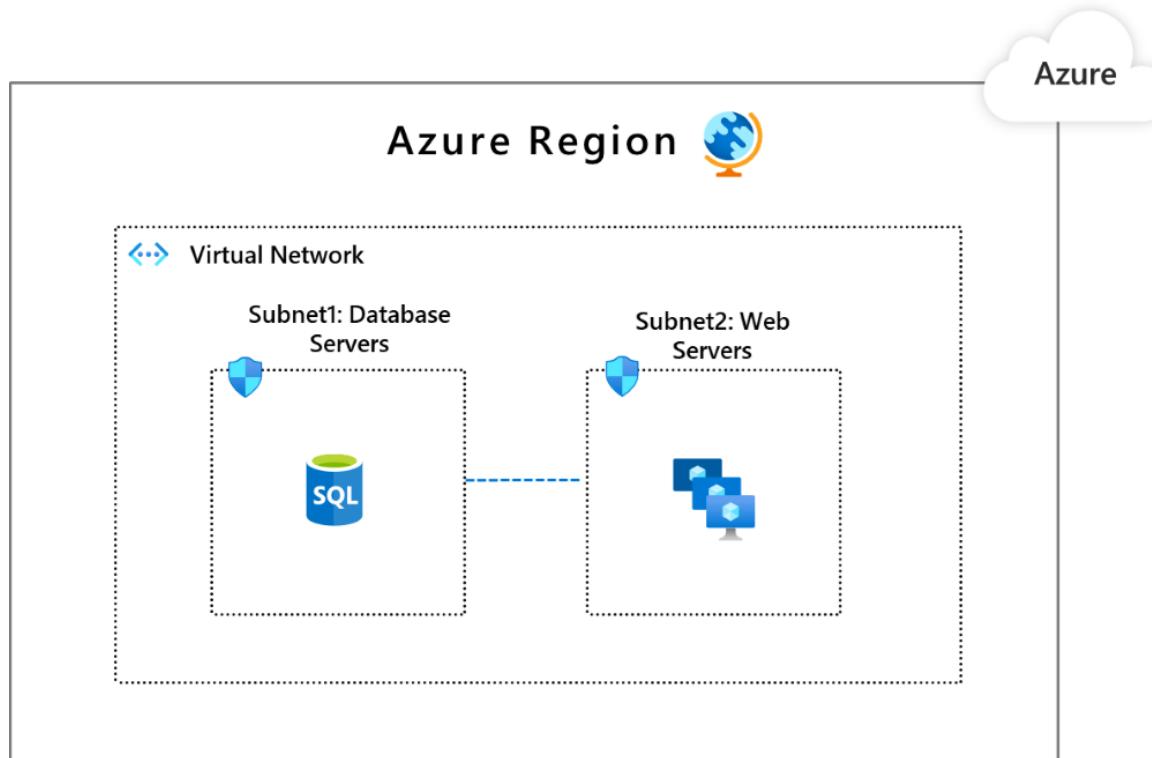
Network Address Space



<https://docs.microsoft.com/en-us/azure/virtual-network/concepts-and-best-practices>



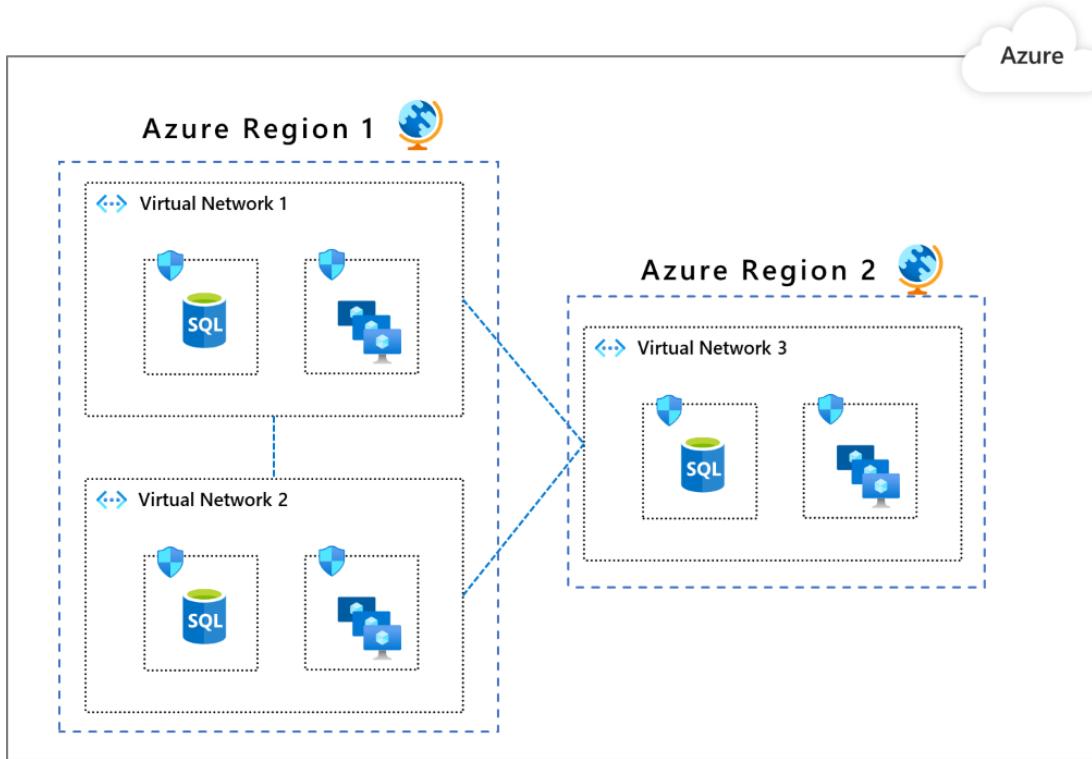
Network segmentation patterns on Azure



<https://learn.microsoft.com/en-us/azure/well-architected/security/design-network-segmentation#pattern-1-single-vnet>



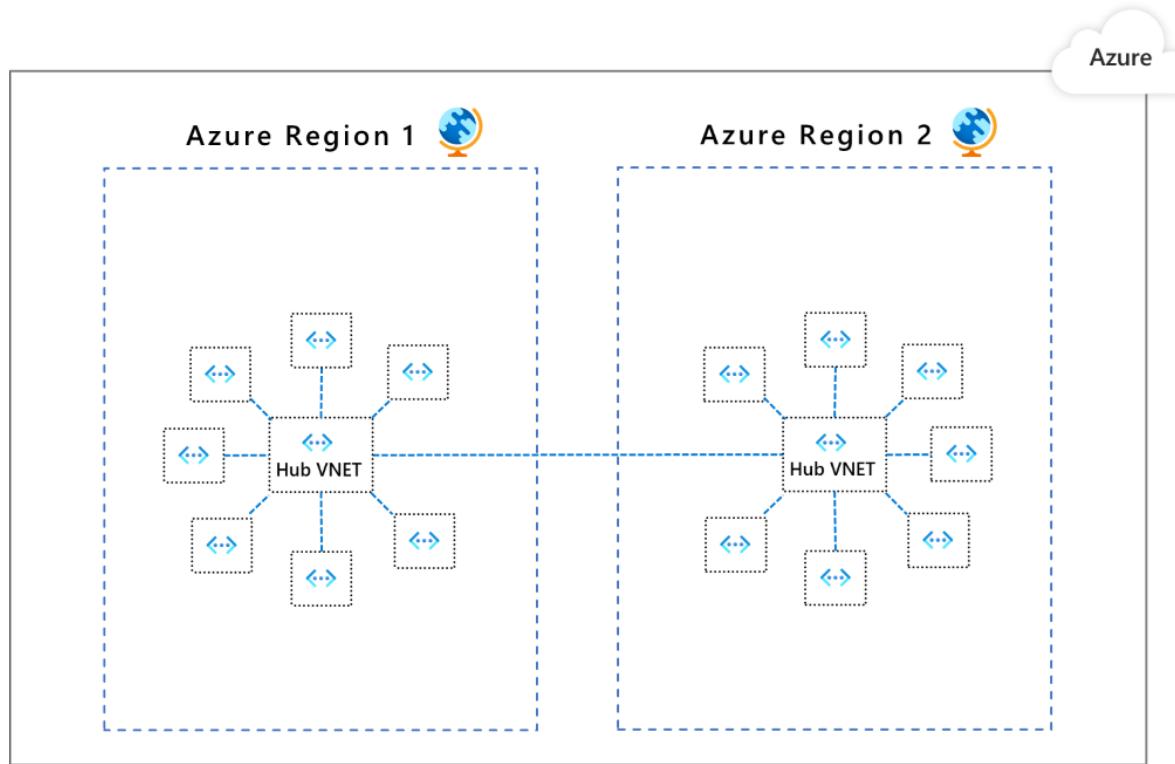
Network segmentation patterns on Azure



<https://learn.microsoft.com/en-us/azure/well-architected/security/design-network-segmentation#pattern-2-multiple-vnets-that-communicate-through-with-peering>



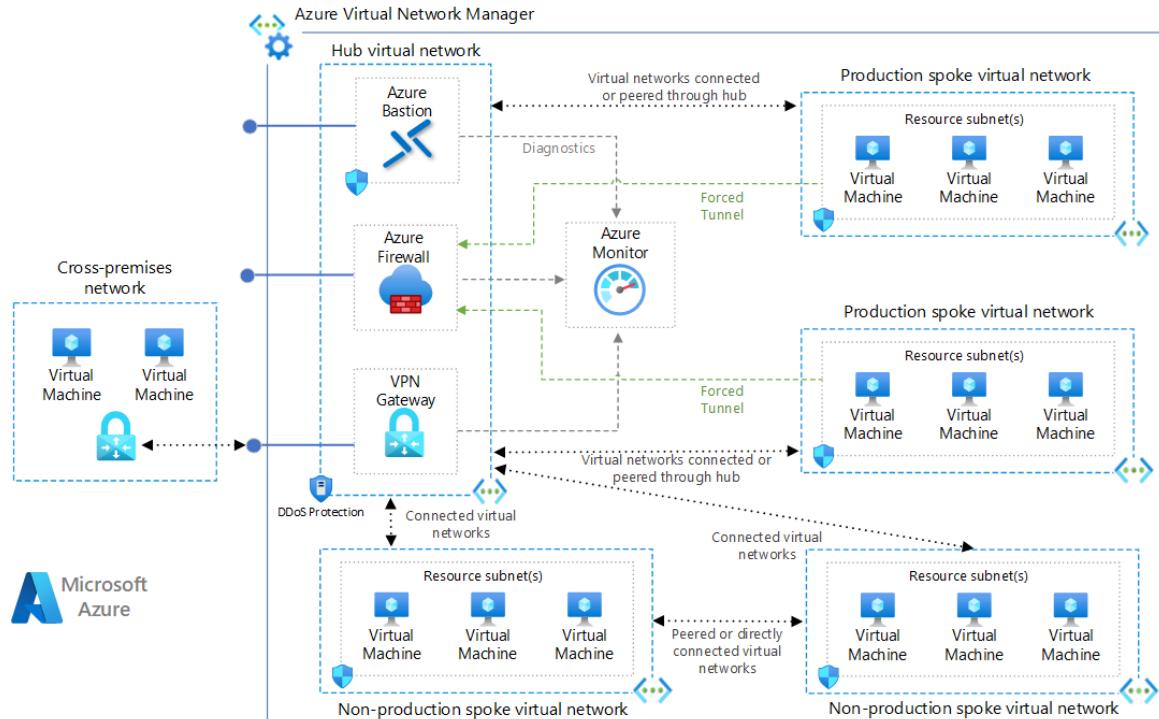
Network segmentation patterns on Azure



<https://learn.microsoft.com/en-us/azure/well-architected/security/design-network-segmentation#pattern-3-multiple-vnets-in-a-hub-and-spoke-model>



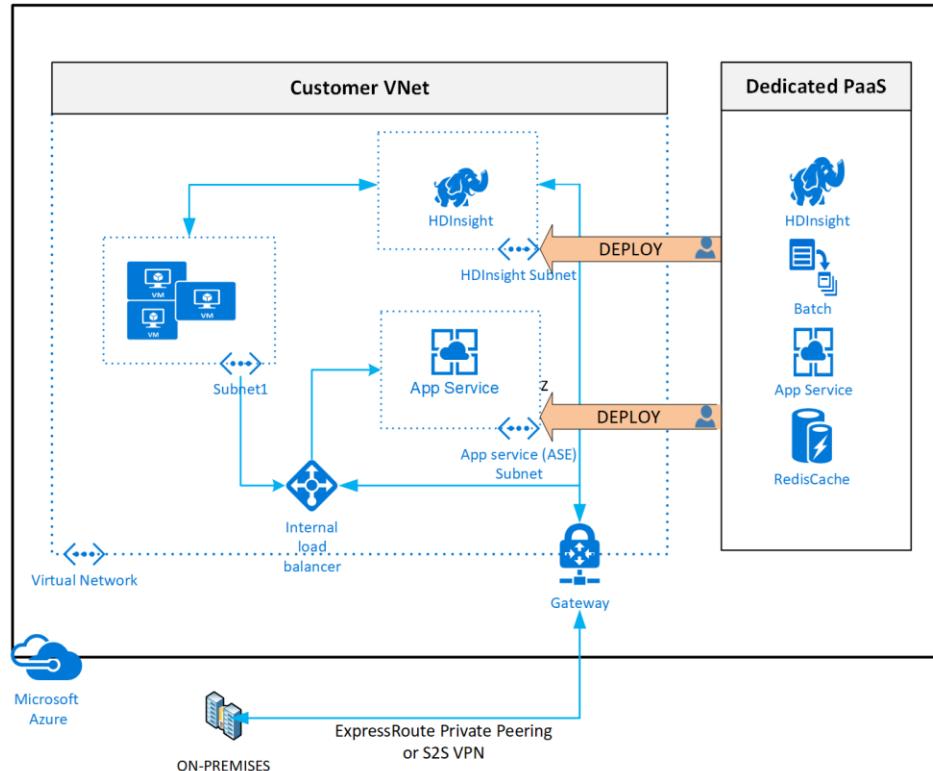
Some Resources Need a Subnet



<https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/hub-spoke?tabs=cli>



Azure Subnet Delegation



<https://learn.microsoft.com/en-us/azure/virtual-network/subnet-delegation-overview>
<https://learn.microsoft.com/en-us/azure/virtual-network/virtual-network-for-azure-services>



Dedicated Azure Subnets

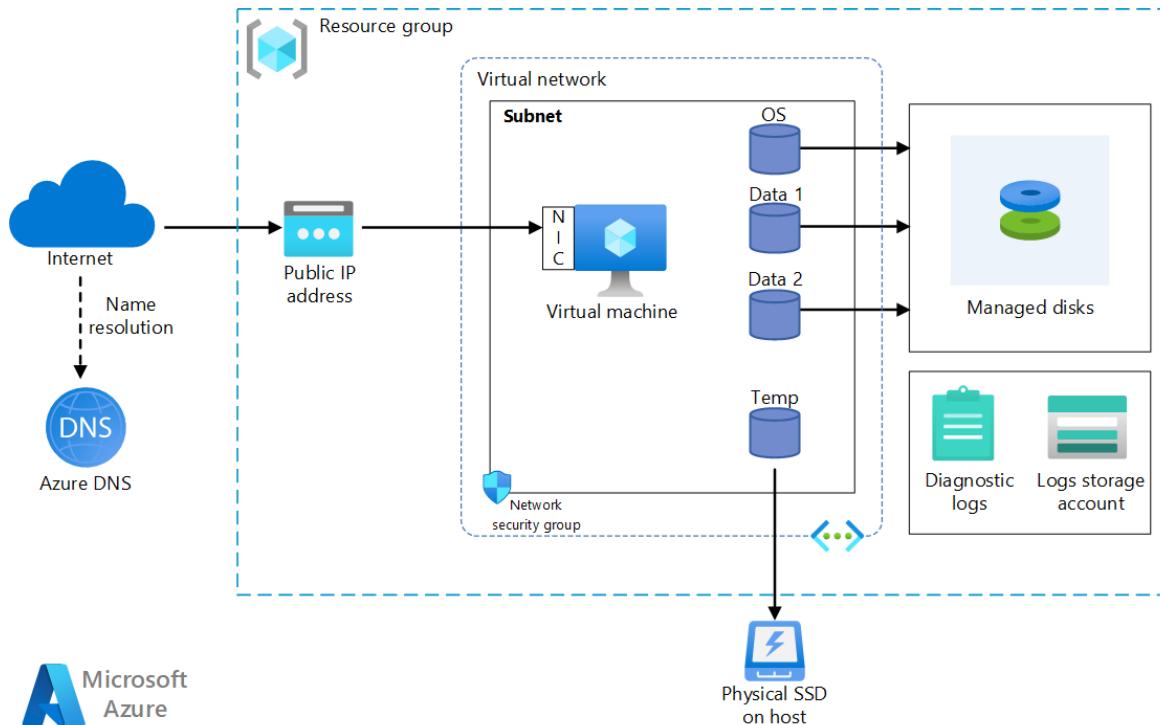
Services that can be deployed into a virtual network

Category	Service	Dedicated ¹ Subnet
Compute	Virtual machines: Linux or Windows	No
	Virtual machine scale sets	No
	Cloud Service: Virtual network (classic) only	No
	Azure Batch	No ²
Network	Application Gateway - WAF	Yes
	Azure Bastion	Yes
	Azure Firewall	Yes
	Azure Route Server	Yes
	ExpressRoute Gateway	Yes
	Network Virtual Appliances	No
	VPN Gateway	Yes
Data	RedisCache	Yes
	Azure SQL Managed Instance	Yes
	Azure Database for MySQL - Flexible Server	Yes
	Azure Database for PostgreSQL - Flexible Server	Yes
Analytics	Azure HDInsight	No ²
	Azure Databricks	No ²
Identity	Azure Active Directory Domain Services	No
Containers	Azure Kubernetes Service (AKS)	No ²

<https://learn.microsoft.com/en-us/azure/virtual-network/virtual-network-for-azure-services#services-that-can-be-deployed-into-a-virtual-network>



Azure Public IP



<https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/n-tier/linux-vm>



Poll: You have a website hosted on a VM with the 142.251.41.67 IP address. <http://reza.contoso.com> should resolve this website. Which Azure service can help with that?

- Azure Network Peering
- Azure Private DNS
- Azure Public DNS
- ExpressRoute



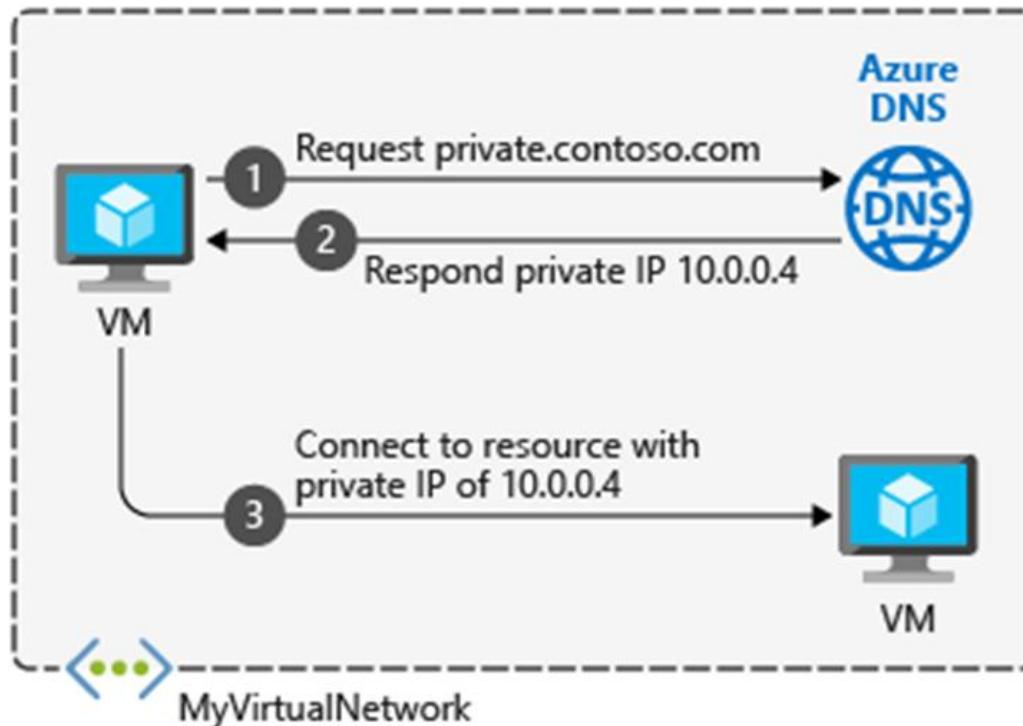
Azure Public DNS



<https://learn.microsoft.com/en-us/azure/dns/dns-overview>



Azure Private DNS



<https://docs.microsoft.com/en-us/azure/dns/private-dns-overview>



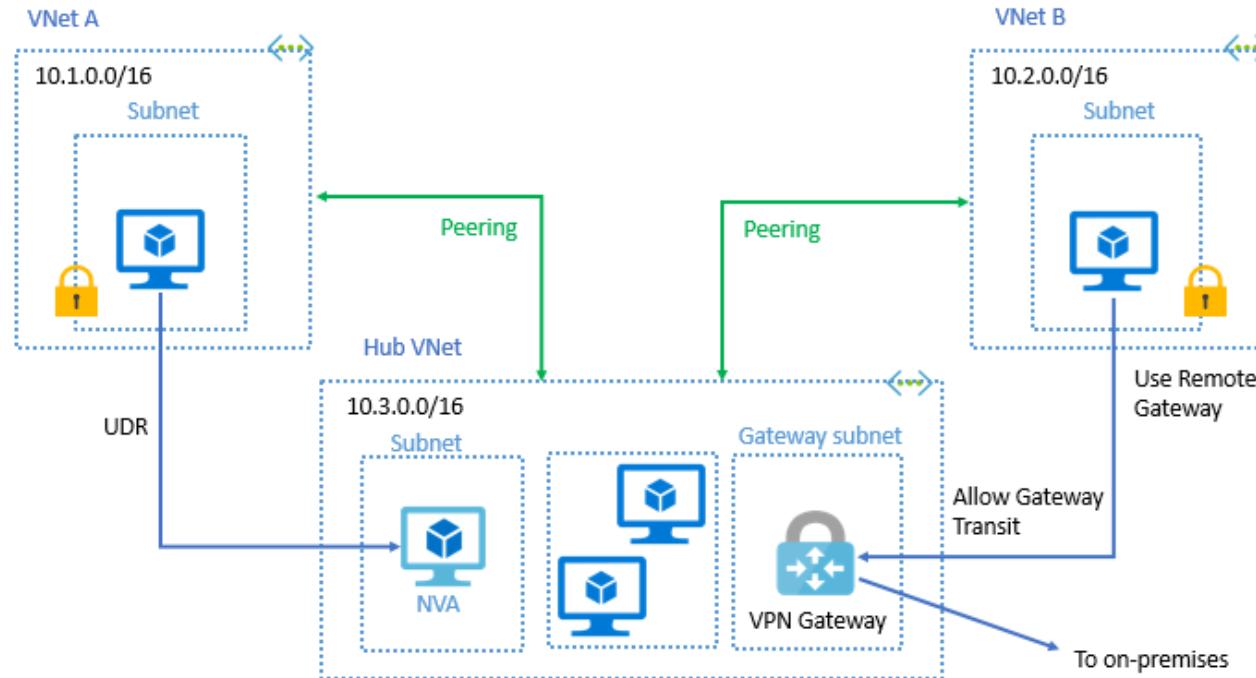
Link Private DNS to an Azure VNet

The screenshot shows the 'Add virtual network link' dialog box. At the top, the URL is [private.contoso.com - Virtual network links > Add virtual network link](#). The main section is titled 'Add virtual network link' with a sub-section 'private.contoso.com - PREVIEW'. A required field 'Link name' contains 'myLink'. Below it, 'Virtual network details' include a note: 'Only virtual networks with Resource Manager deployment model are supported for linking with Private DNS zones. Virtual networks with Classic deployment model are not supported.' There is an unchecked checkbox 'I know the resource ID of virtual network'. Under 'Subscription', 'VEH Doc Test' is selected. Under 'Virtual network', 'myAzureVNet (MyAzureResourceGroup)' is selected. In the 'Configuration' section, 'Enable auto registration' is checked. At the bottom is a blue 'OK' button.

<https://learn.microsoft.com/en-us/azure/dns/private-dns-getstarted-portal#link-the-virtual-network>



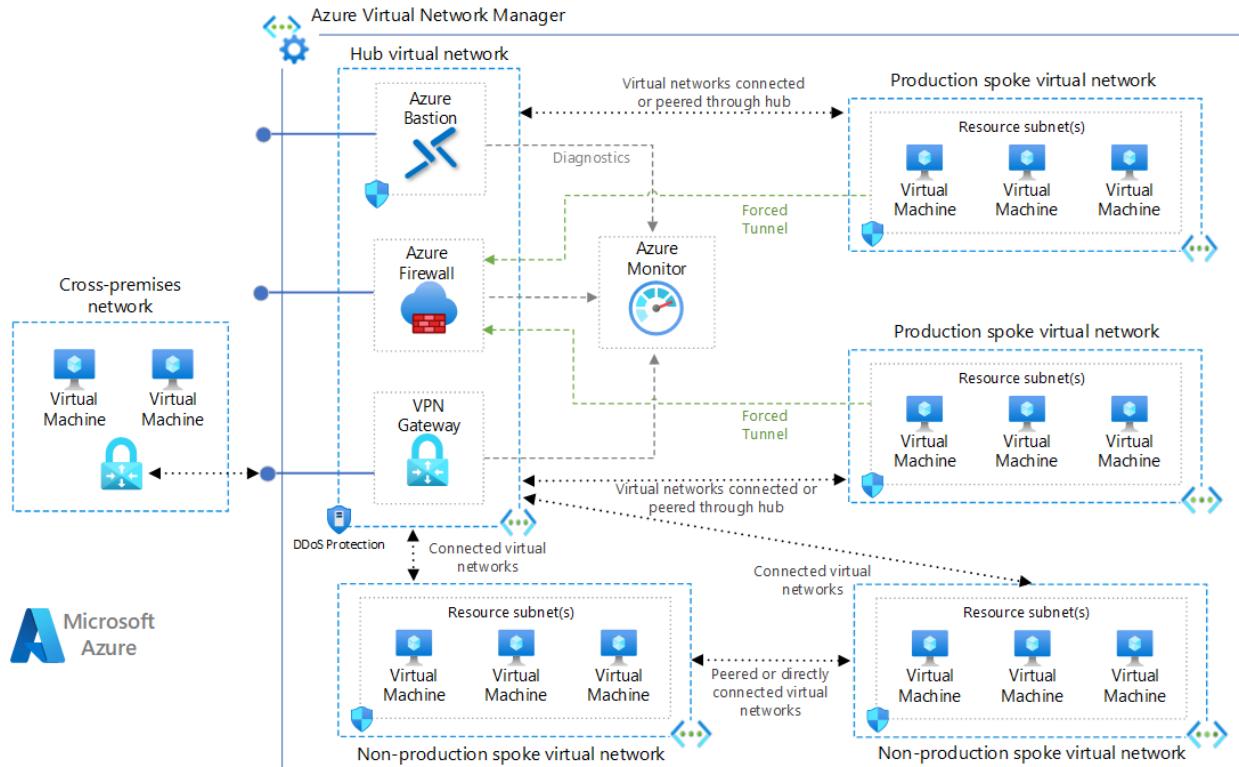
Service Chaining



<https://learn.microsoft.com/en-us/azure/virtual-network/virtual-network-peering-overview#service-chaining>



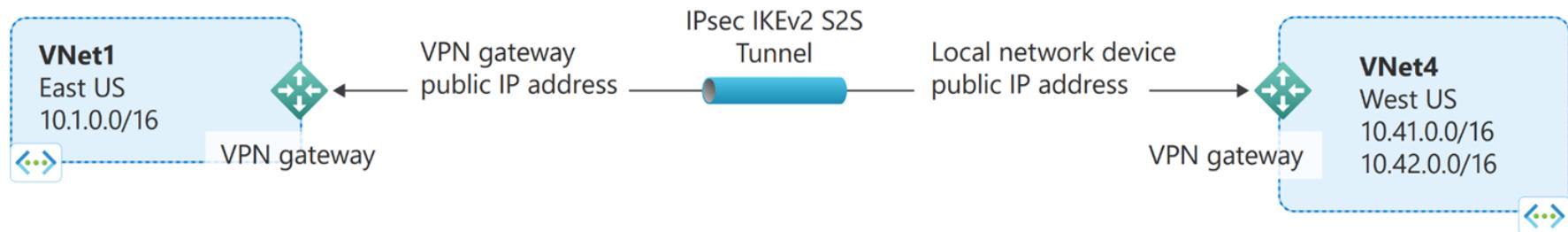
Hub-spoke Network Topology



<https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/hub-spoke?tabs=cli>



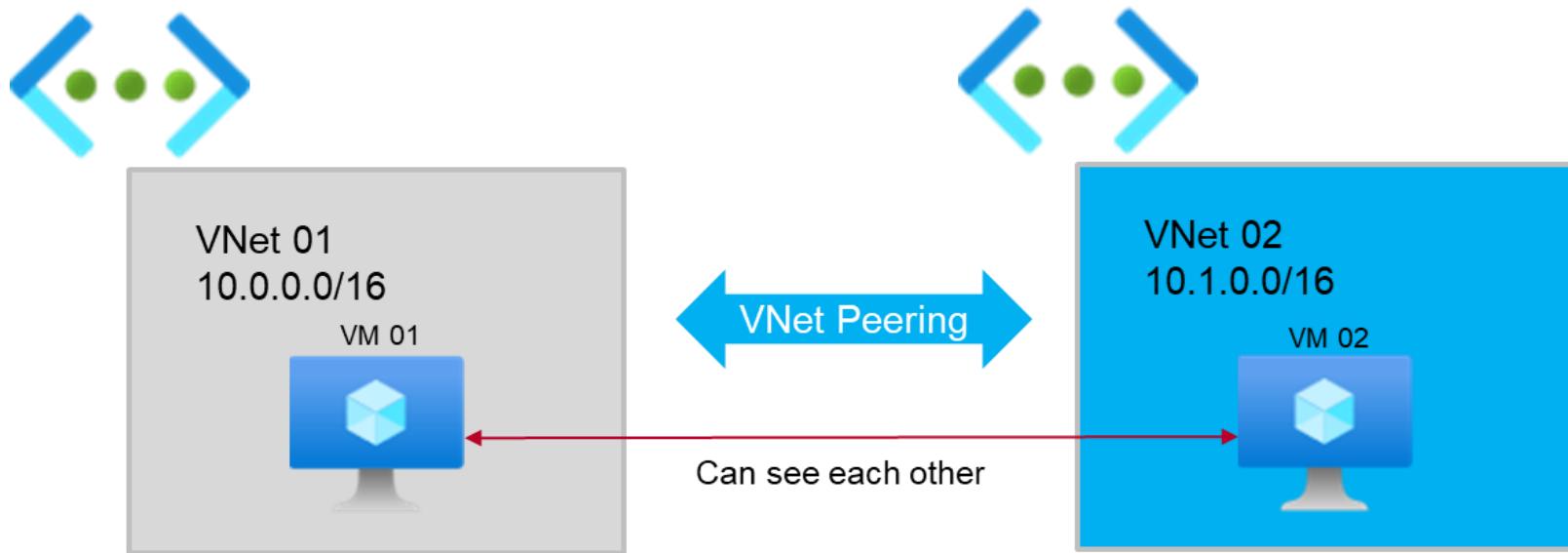
Configure a VNet-to-VNet VPN Connection



<https://learn.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-vnet-vnet-resource-manager-portal>



VNet Peering



<https://learn.microsoft.com/en-us/azure/virtual-network/virtual-network-peering-overview>



UDR (User-defined Routes)

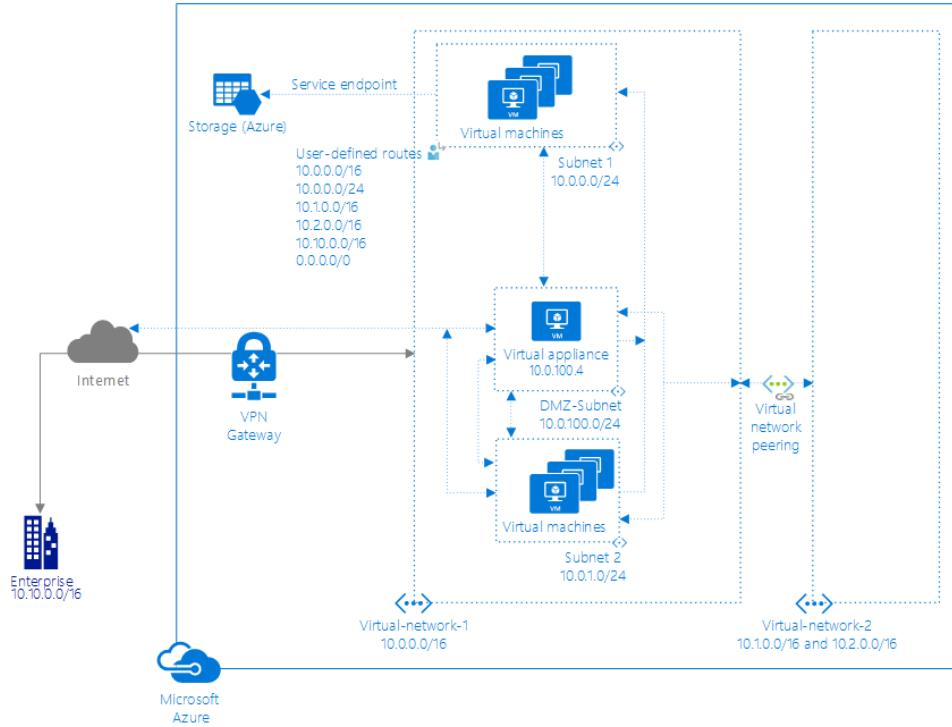
System routes

Azure automatically creates system routes and assigns the routes to each subnet in a virtual network. You can't create system routes, nor can you remove system routes, but you can override some system routes with [custom routes](#). Azure creates default system routes for each subnet, and adds more optional default routes to specific subnets, or every subnet, when you use specific Azure capabilities.

Default

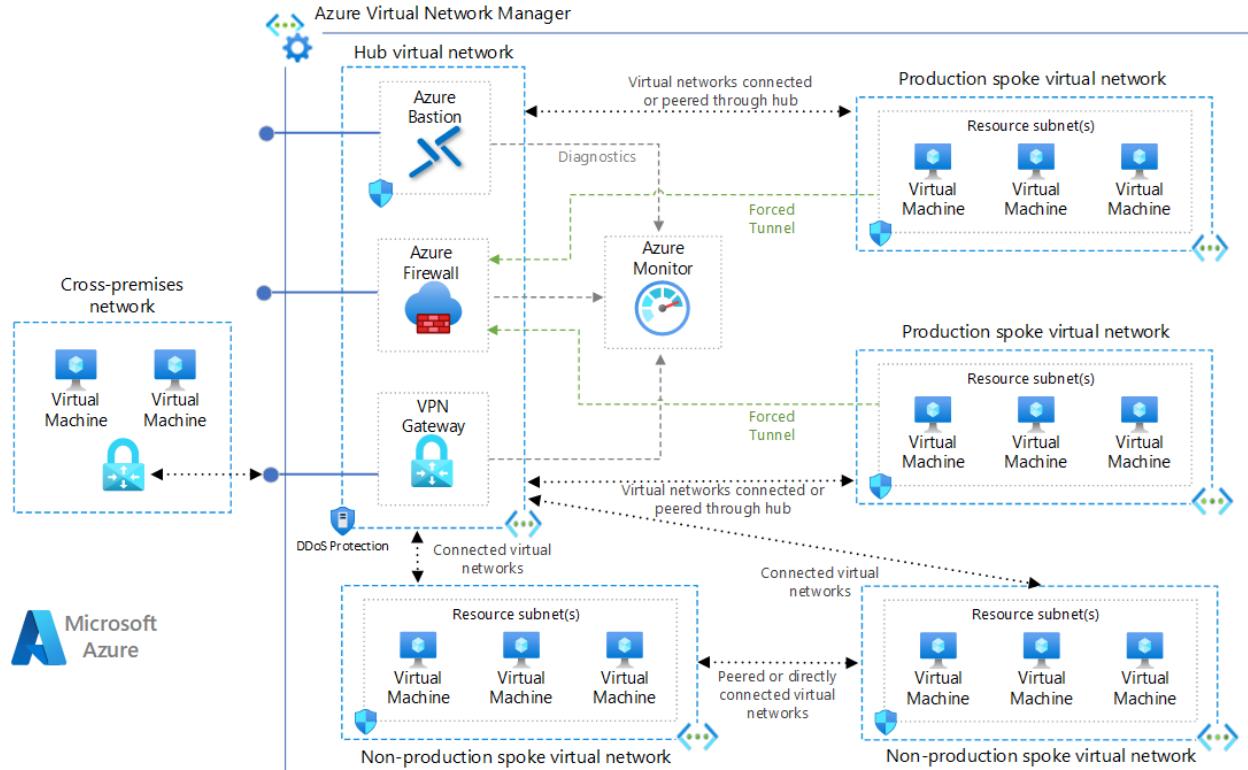
Each route contains an address prefix and next hop type. When traffic leaving a subnet is sent to an IP address within the address prefix of a route, the route that contains the prefix is the route Azure uses. Learn more about [how Azure selects a route](#) when multiple routes contain the same prefixes, or overlapping prefixes. Whenever a virtual network is created, Azure automatically creates the following default system routes for each subnet within the virtual network:

Source	Address prefixes	Next hop type
Default	Unique to the virtual network	Virtual network
Default	0.0.0.0/0	Internet
Default	10.0.0.0/8	None
Default	172.16.0.0/12	None
Default	192.168.0.0/16	None
Default	100.64.0.0/10	None





Azure Firewall Forced Tunneling

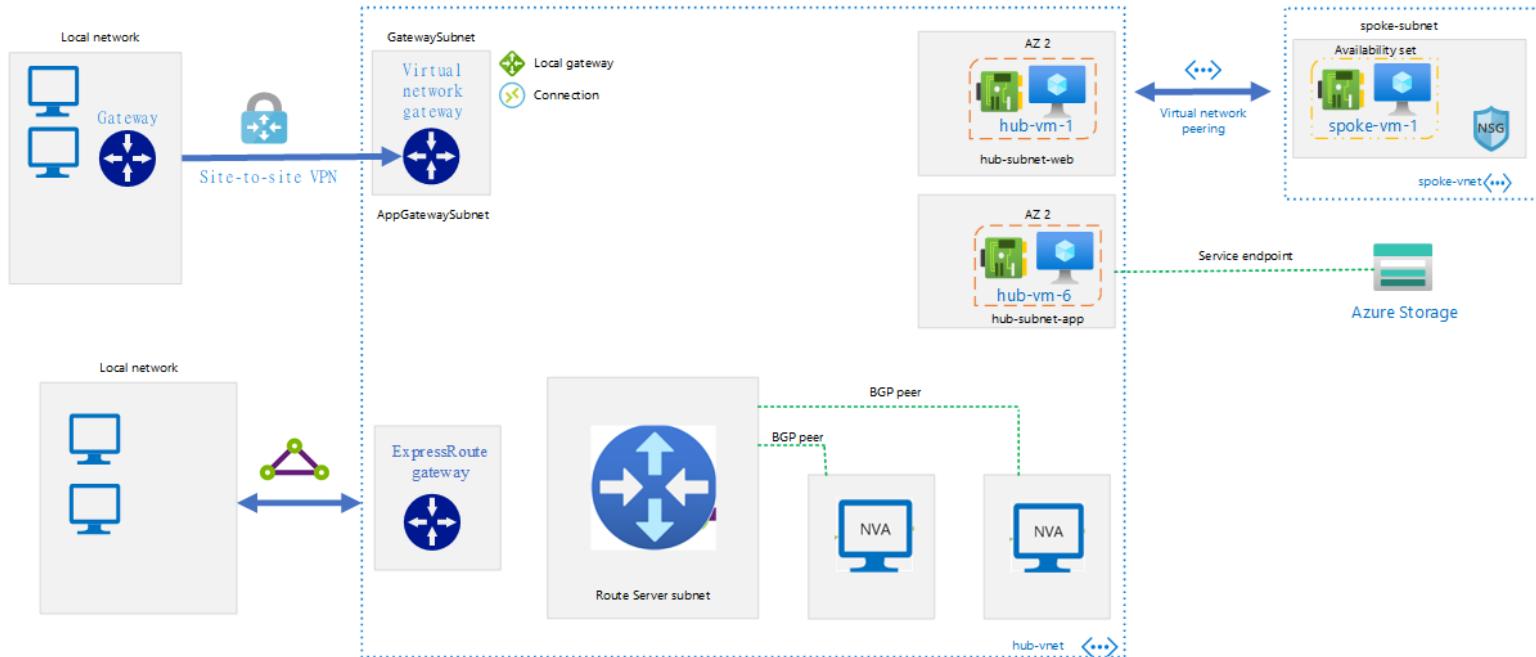


<https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/hub-spoke?tabs=cli>

<https://learn.microsoft.com/en-us/azure/firewall/forced-tunneling>



Azure Route Server



<https://learn.microsoft.com/en-us/azure/architecture/example-scenario/networking/manage-routing-azure-route-server>

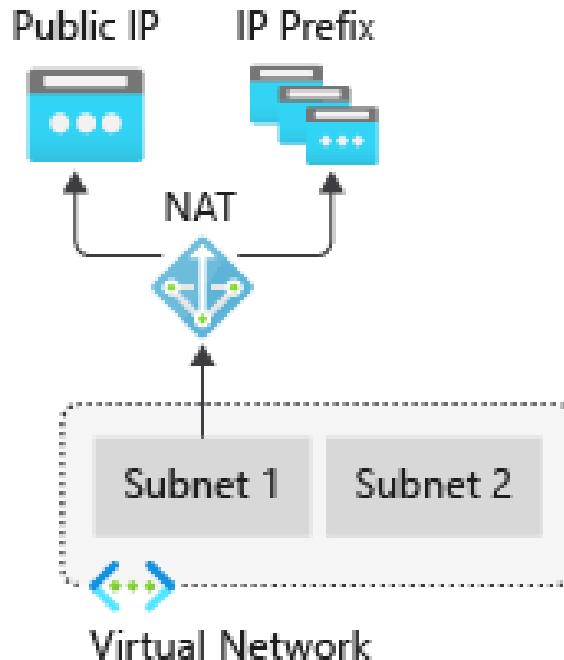


Poll: What is the primary purpose of an Azure NAT Gateway?

- To route traffic between virtual networks.
- To enable VMs accessing the internet securely using a static outbound IP.
- To provide DNS resolution for virtual networks.
- To load balance traffic across multiple virtual machines.



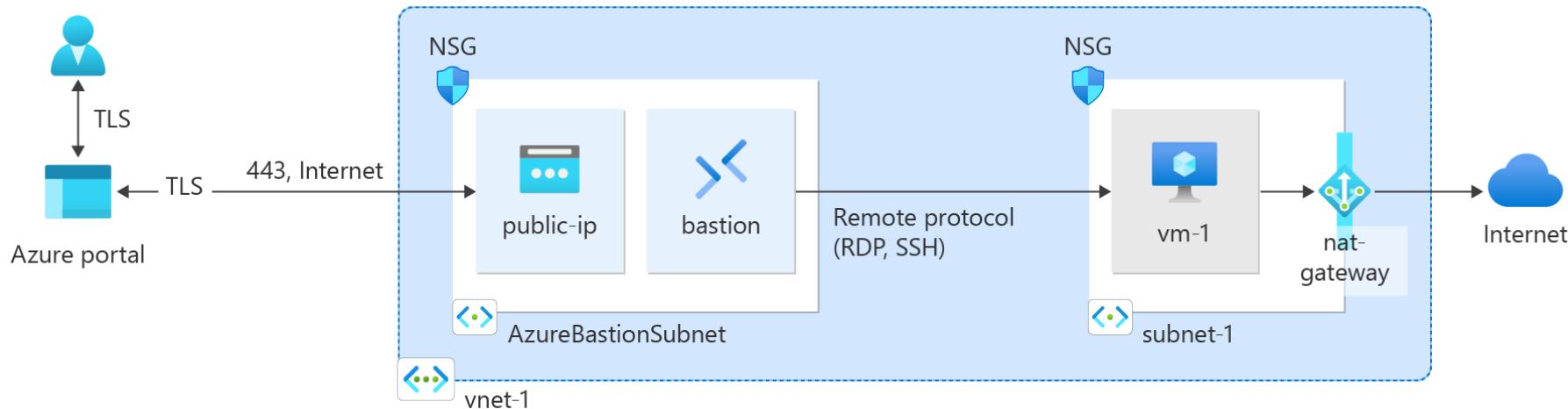
Azure NAT Gateway



<https://learn.microsoft.com/en-us/azure/nat-gateway/nat-overview>



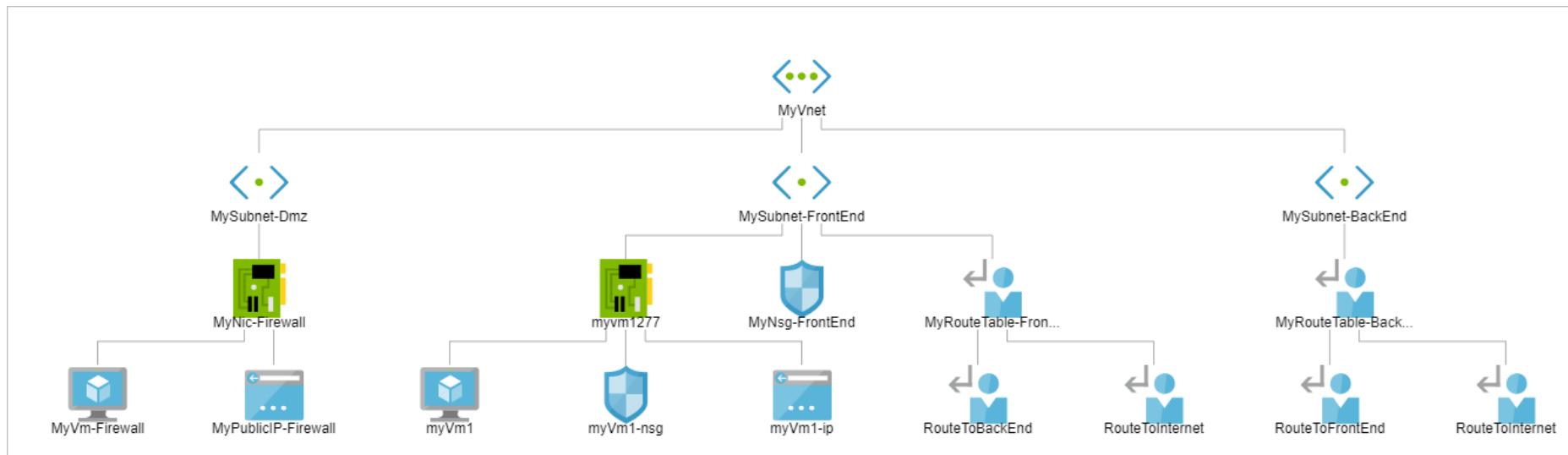
Azure NAT Gateway



<https://learn.microsoft.com/en-us/azure/nat-gateway/quickstart-create-nat-gateway-portal>



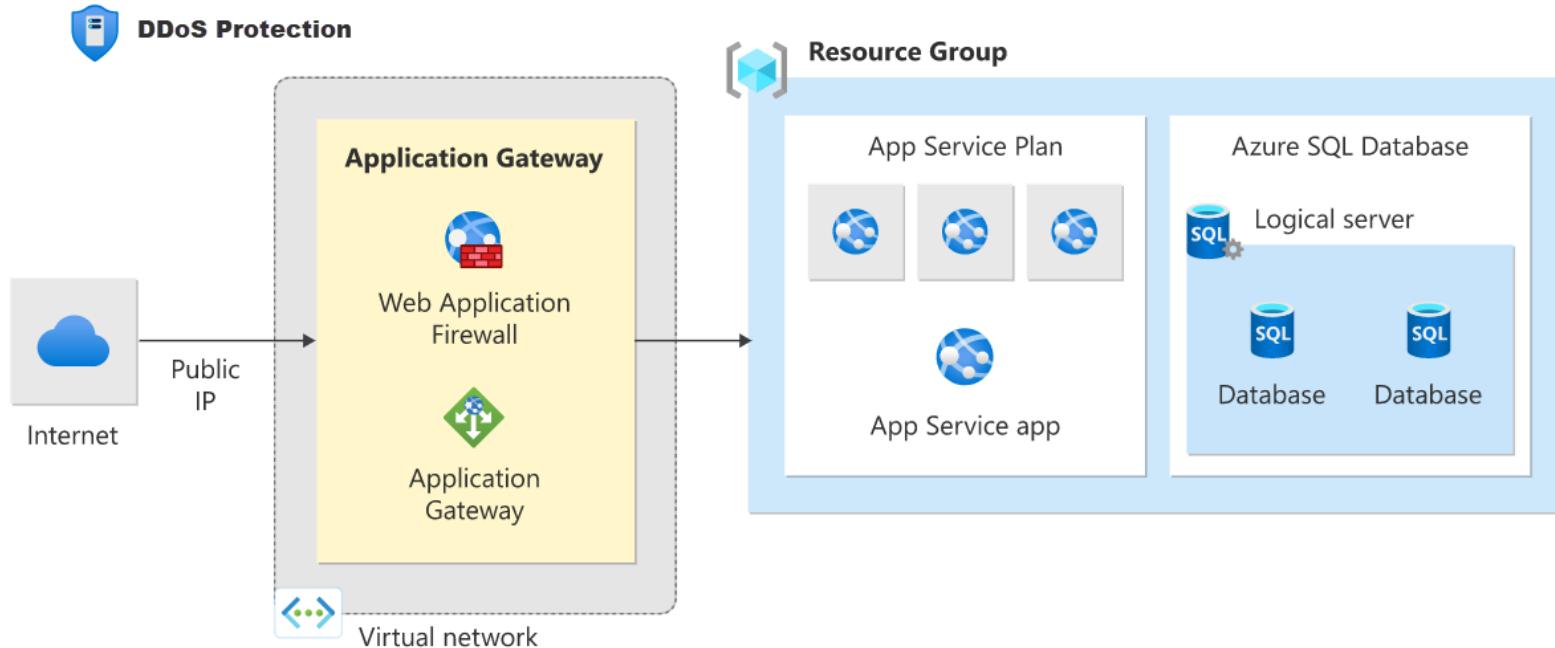
Azure Network Watcher



<https://learn.microsoft.com/en-us/azure/network-watcher/network-watcher-monitoring-overview>



Azure DDoS Protection



<https://learn.microsoft.com/en-us/azure/ddos-protection/ddos-protection-overview>

Design,
implement, and
manage
connectivity
services (20–25%)





Design, implement, and manage connectivity services (20–25%)

- Design, implement, and manage a site-to-site VPN connection
- Design, implement, and manage a point-to-site VPN connection
- Design, implement, and manage Azure ExpressRoute
- Design and implement an Azure Virtual WAN architecture





Design, implement, and manage a site-to-site VPN connection

- Design a site-to-site VPN connection, including for high availability
- Select an appropriate VNet gateway SKU for site-to-site VPN requirements
- Implement a site-to-site VPN connection
- Identify when to use a policy-based VPN versus a route-based VPN connection
- Create and configure a local network gateway
- Create and configure an IPsec/IKE policy [see [1](#) [2](#) [3](#)]
- Create and configure a virtual network gateway
- Diagnose and resolve virtual network gateway connectivity issues [also see [1](#)]
- Implement Azure Extended Network



Design, implement, and manage a point-to-site VPN connection

- Select an [appropriate virtual network gateway SKU for point-to-site VPN requirements](#)
- [Select and configure a tunnel type](#)
- [Select an appropriate authentication method](#)
- [Configure RADIUS authentication](#)
- [Configure authentication by using Microsoft Entra ID \[and here\]](#)
- [Implement a VPN client configuration file](#)
- [Diagnose and resolve client-side and authentication issues](#)
- [Specify Azure requirements for Always On authentication](#)
- [Specify Azure requirements for Azure Network Adapter](#)



Design, implement, and manage ExpressRoute

- Select an ExpressRoute [connectivity model](#)
- Select an appropriate [ExpressRoute SKU](#) and tier
- Design and implement ExpressRoute to meet requirements, including [cross-region connectivity](#), [redundancy](#), and [disaster recovery](#)
- Design and implement ExpressRoute options, including [Global Reach](#), [FastPath](#), and [ExpressRoute Direct](#)
- Choose between [private peering only](#), [Microsoft peering only](#), or both
- [Configure private peering](#)
- [Configure Microsoft peering](#)
- [Create and configure an ExpressRoute gateway](#)
- [Connect a virtual network to an ExpressRoute circuit](#)
- [Recommend a route advertisement configuration](#)
- [Configure encryption over ExpressRoute](#)
- [Implement Bidirectional Forwarding Detection](#)
- [Diagnose and resolve ExpressRoute connection issues](#)



Design and implement an Azure Virtual WAN architecture

- Select a Virtual WAN SKU
- Design a Virtual WAN architecture, including selecting types and services
- Create a hub in Virtual WAN
- Choose an appropriate scale unit for each gateway type
- Deploy a gateway into a Virtual WAN hub
- Configure virtual hub routing
- Integrate a Virtual WAN hub with a third-party NVA

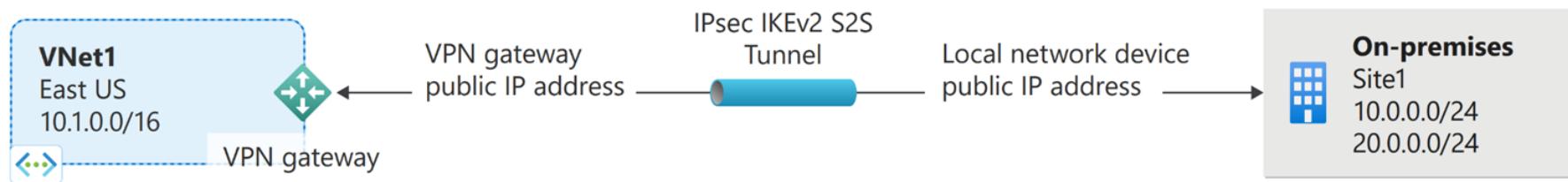


Poll: Which Azure service enables secure, encrypted communication between Azure and on-premises networks over the public internet?

- Azure ExpressRoute
- Azure VPN Gateway
- Azure Application Gateway
- Azure Firewall



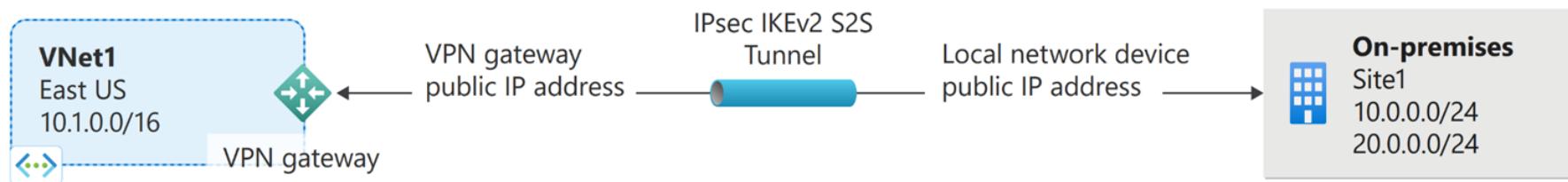
Azure Site-to-site VPN



<https://learn.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-vpngateways>



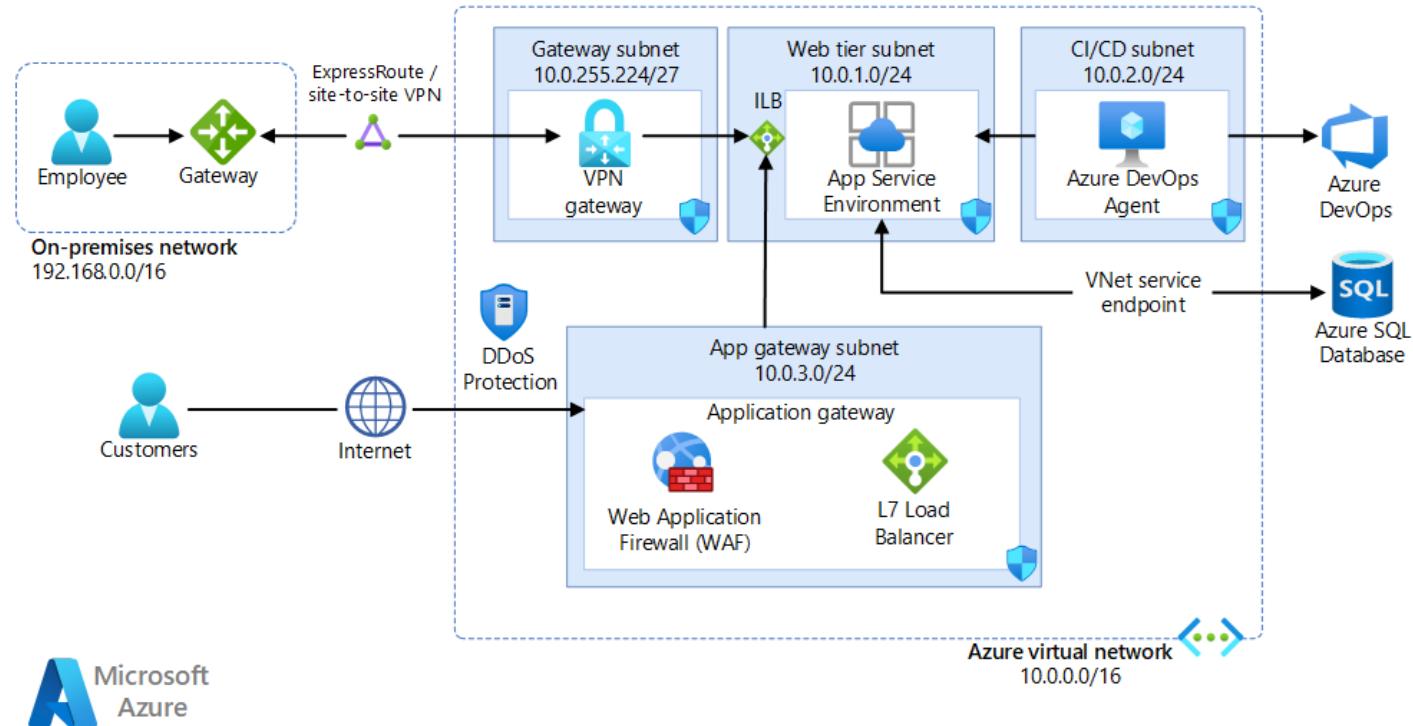
Azure Site-to-site VPN



<https://learn.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-vpngateways>



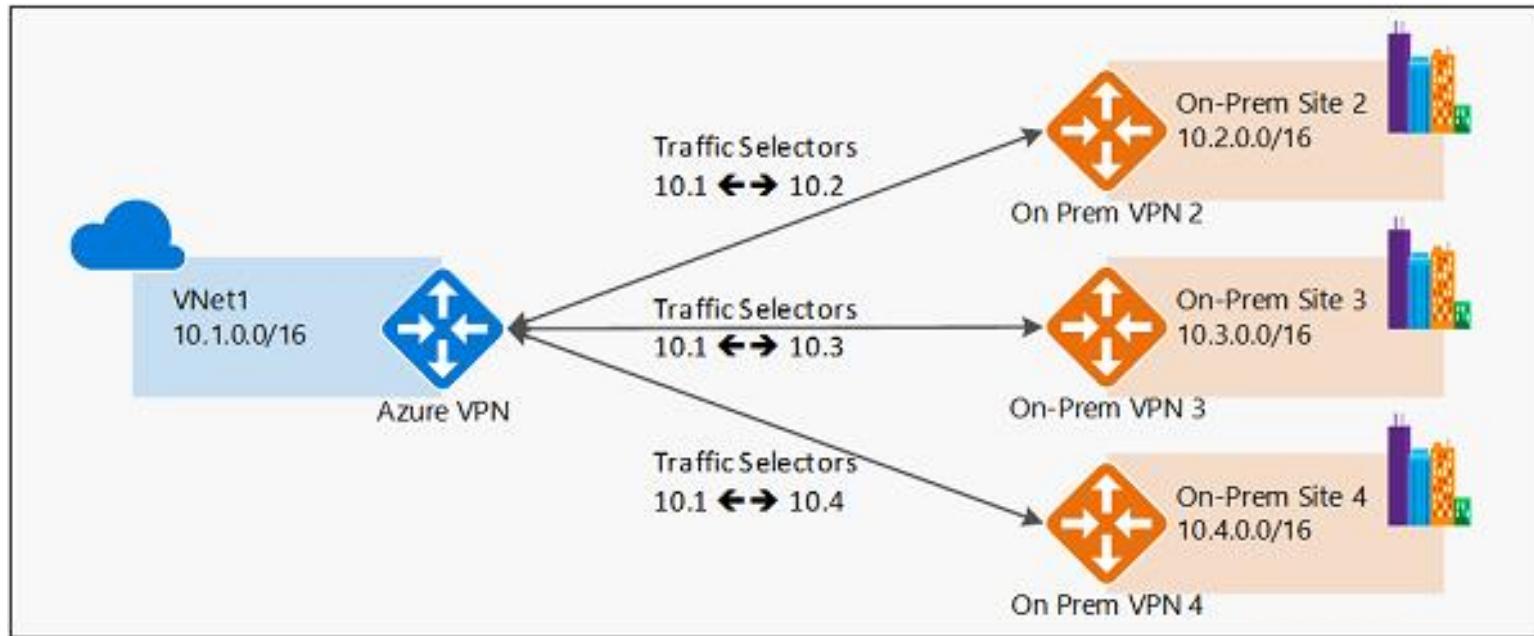
Azure Site-to-site VPN



<https://learn.microsoft.com/en-us/azure/architecture/example-scenario/apps/fully-managed-secure-apps>



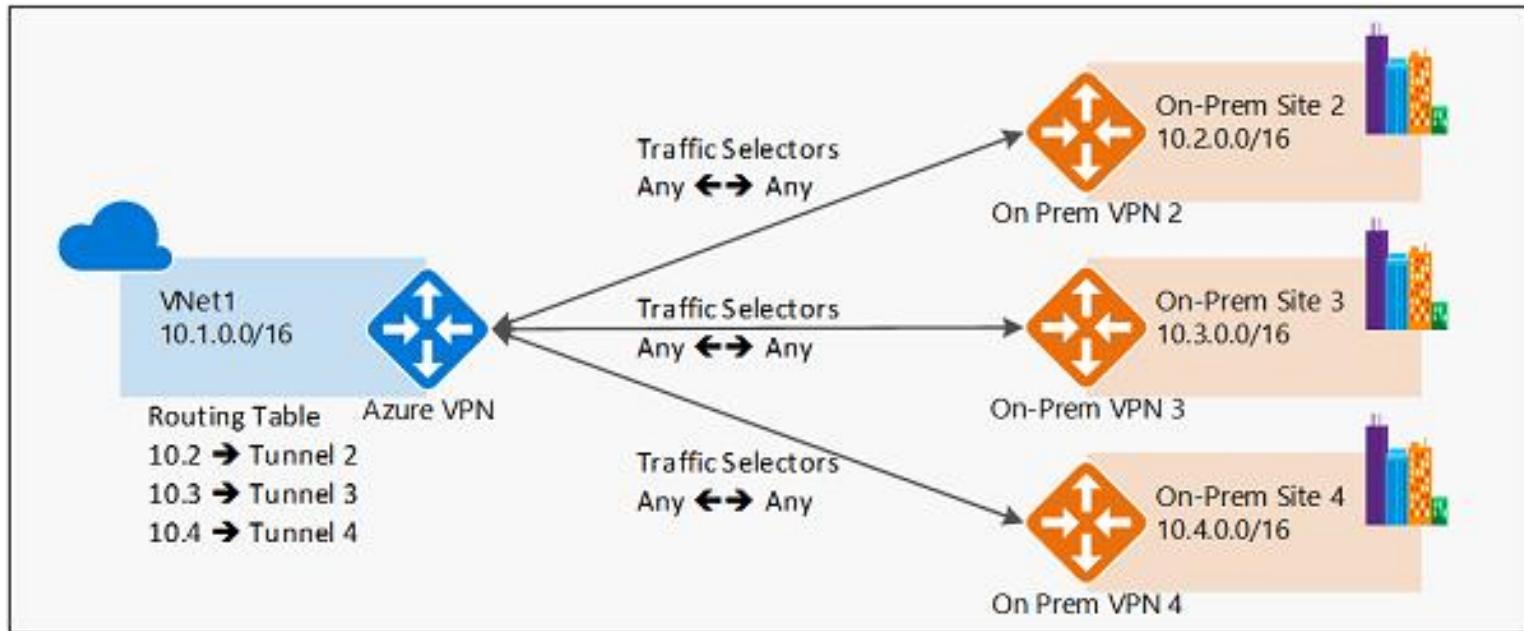
Azure Policy-based VPN



<https://learn.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-connect-multiple-policybased-rm-ps>



Azure Route-based VPN



<https://learn.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-connect-multiple-policybased-rm-ps>

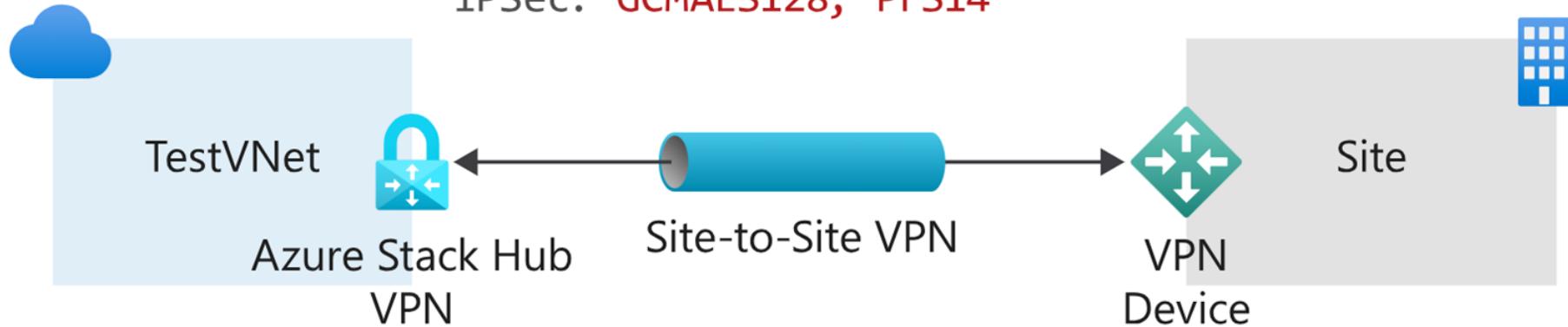


IPsec/IKE Policy for Site-to-site VPN

Policy

IKEv2: AE128, SHA1, DHGroup14

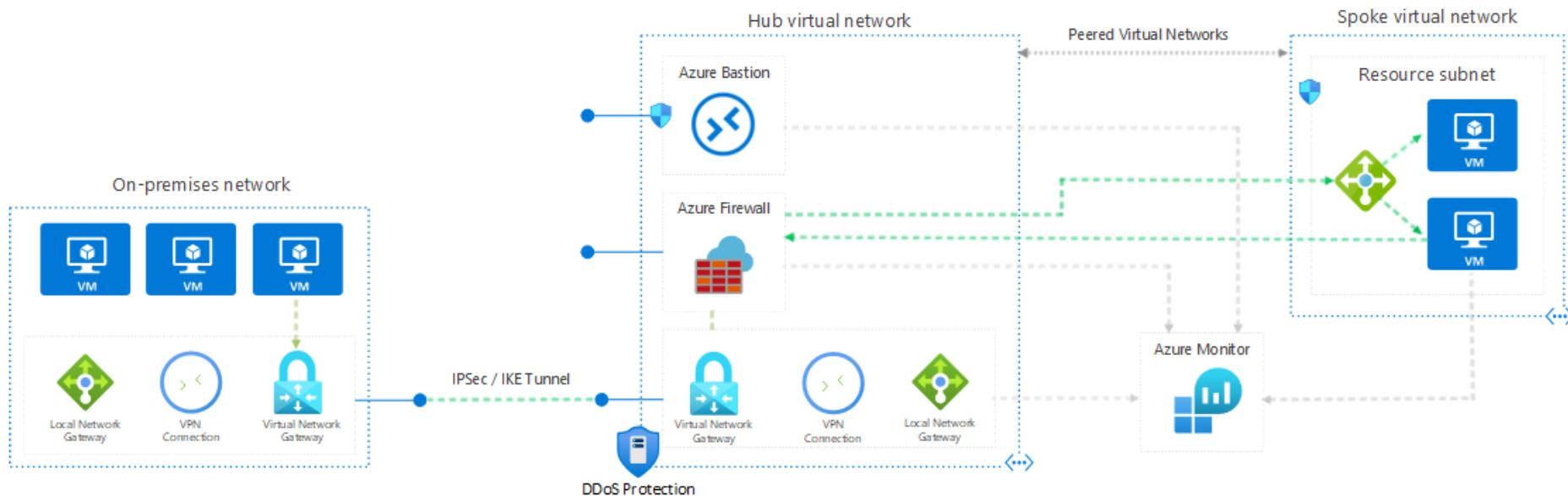
IPSec: GCMAES128, PFS14



<https://learn.microsoft.com/en-us/azure-stack/user/azure-stack-vpn-s2s>



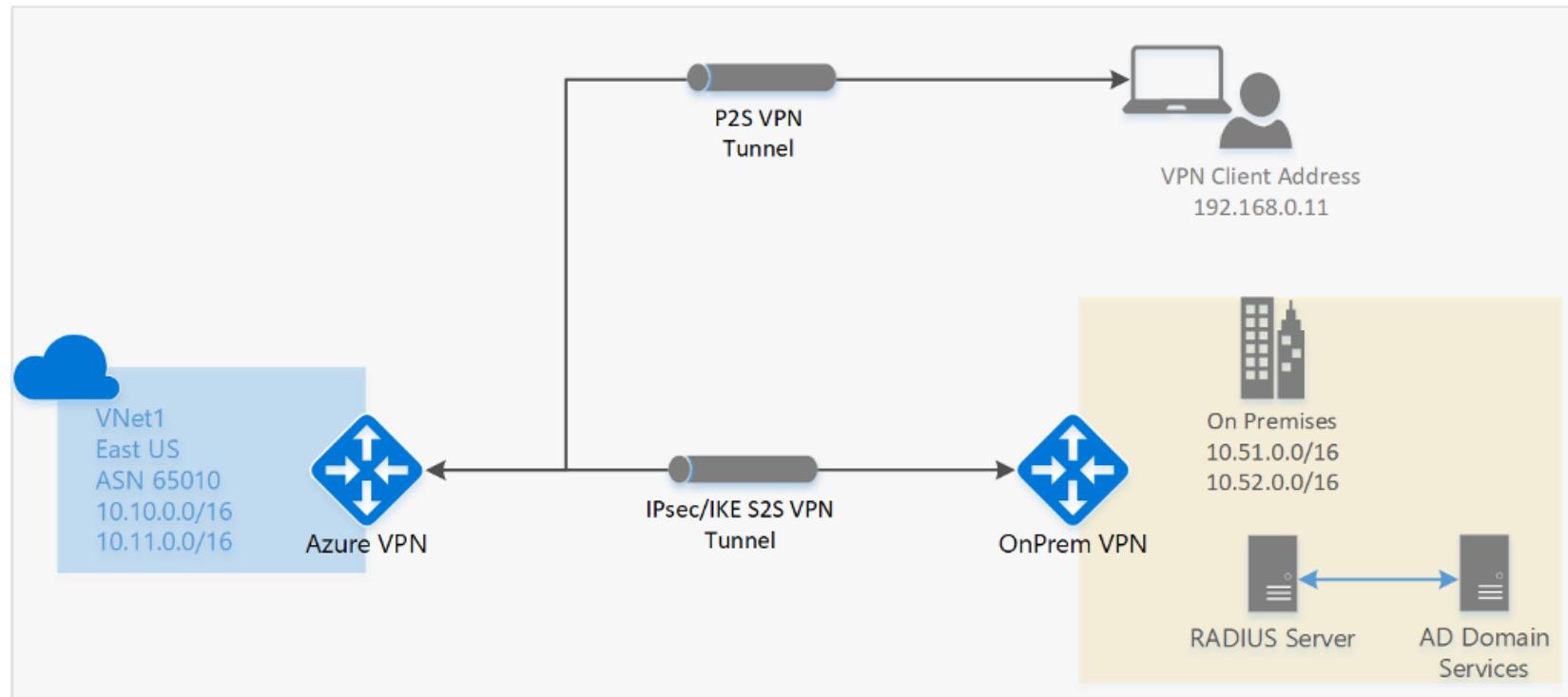
IPsec/IKE Policy for Site-to-site VPN



<https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/dmz/secure-vnet-dmz?tabs=portal>



Azure Point-to-site VPN



<https://learn.microsoft.com/en-us/azure/vpn-gateway/point-to-site-about>



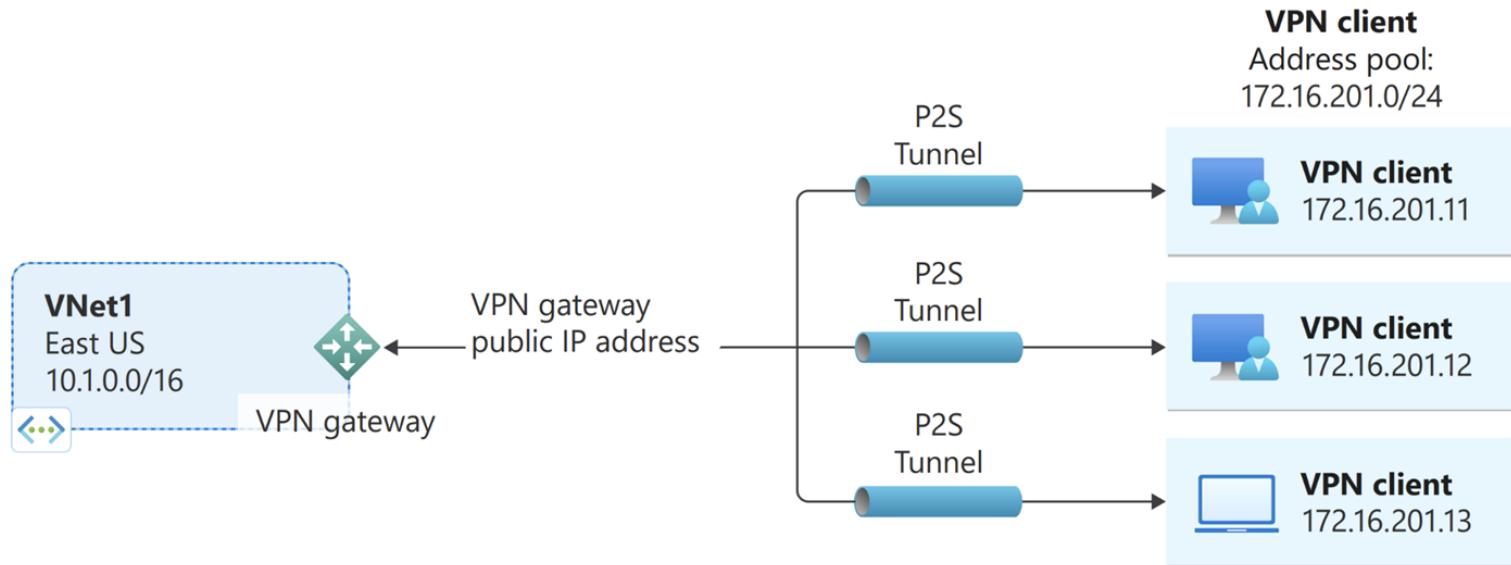
Azure Point-to-site VPN Authentication

- Certificate-based
- RADIUS
- Azure Active Directory

<https://learn.microsoft.com/en-us/azure/vpn-gateway/point-to-site-about>



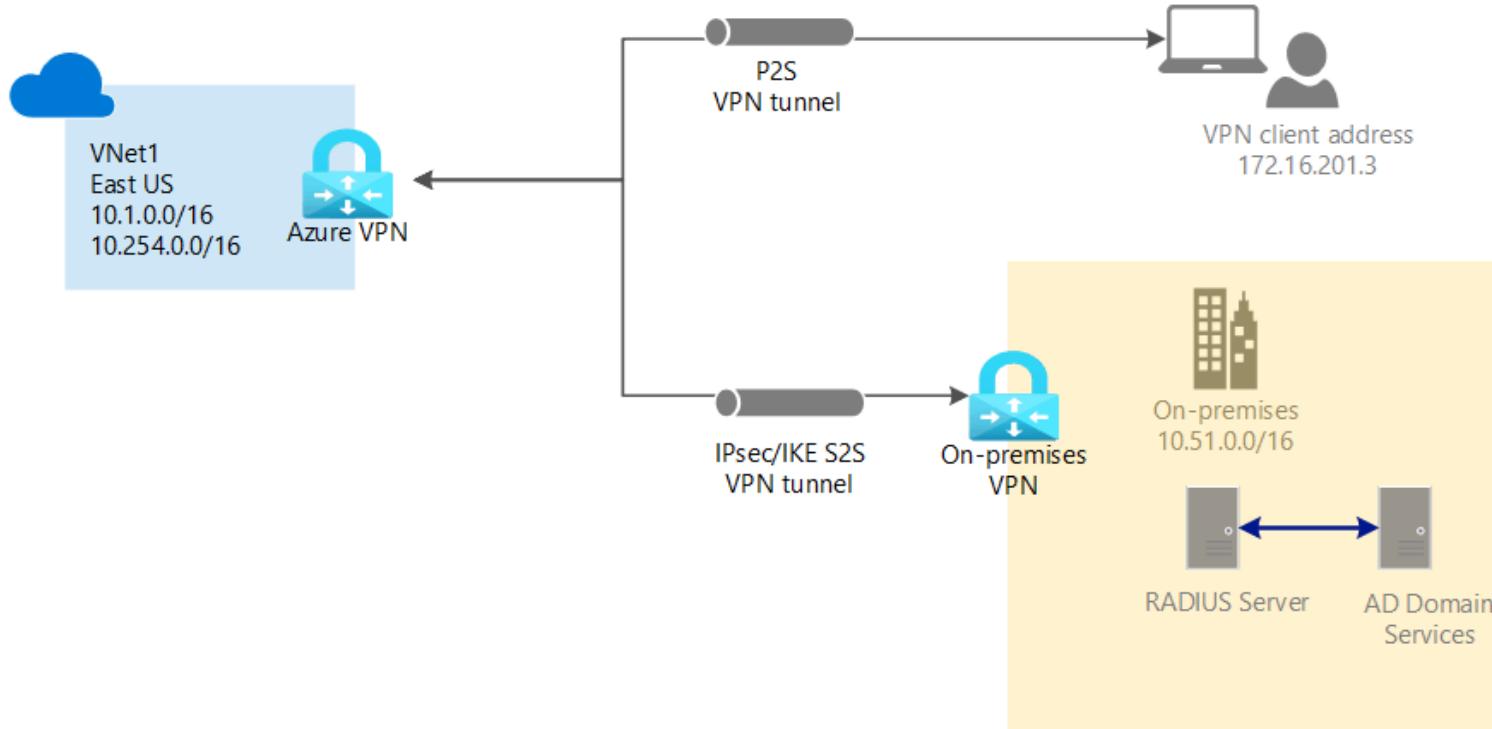
Azure Point-to-site VPN Authentication: Certificate



<https://learn.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-point-to-site-resource-manager-portal>



Azure Point-to-site VPN Authentication: RADIUS



<https://learn.microsoft.com/en-us/azure/vpn-gateway/point-to-site-how-to-radius-ps>



Azure Point-to-site VPN Authentication: Azure AD

Home > VNet1GW

VNet1GW | Point-to-site configuration

Virtual network gateway

Search (Ctrl+ /) Save Discard Delete Download VPN client

Address pool *

172.16.201.0/24

Tunnel type

OpenVPN (SSL)

Authentication type

Azure Active Directory

Settings

- Configuration
- Connections
- Point-to-site configuration
- NAT Rules
- Properties
- Locks

Azure Active Directory

Tenant *

https://login.microsoftonline.com/{AzureAD TenantID}/

Audience *

41b23e61-6c1e-4545-b367-cd054e0ed4b4

Issuer *

https://sts.windows.net/{AzureAD TenantID}/

The screenshot shows the Azure portal interface for configuring a Point-to-site VPN gateway named 'VNet1GW'. On the left, a navigation menu lists various settings like Configuration, Connections, and Point-to-site configuration. The 'Point-to-site configuration' option is currently selected. On the right, the configuration details are displayed. Under 'Tunnel type', 'OpenVPN (SSL)' is selected. Under 'Authentication type', 'Azure Active Directory' is selected and highlighted with a red box. Below this, there are fields for 'Tenant', 'Audience', and 'Issuer', each containing a URL template involving '{AzureAD TenantID}' which is also highlighted with a red box. A green checkmark icon is visible next to the 'Issuer' field.

<https://learn.microsoft.com/en-us/azure/vpn-gateway/openvpn-azure-ad-tenant>



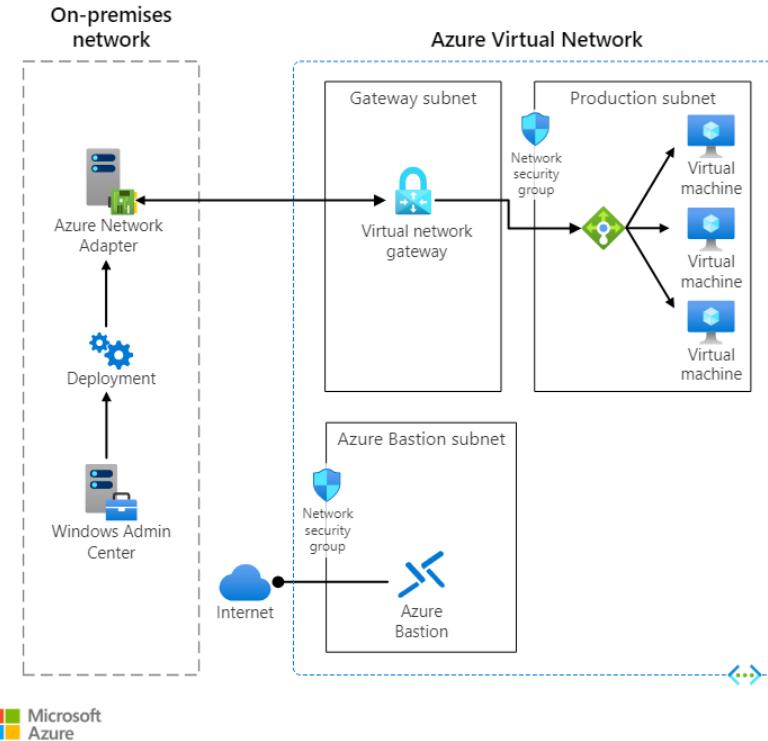
Always On VPN Tunnel

- Is the ability to maintain a VPN connection.
- With Always On, the active VPN profile can connect automatically and remain connected based on triggers, such as user sign-in, network state change, or device screen active.

<https://learn.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-always-on-device-tunnel>



Azure Network Adapter



<https://learn.microsoft.com/en-us/azure/architecture/hybrid/azure-network-adapter>

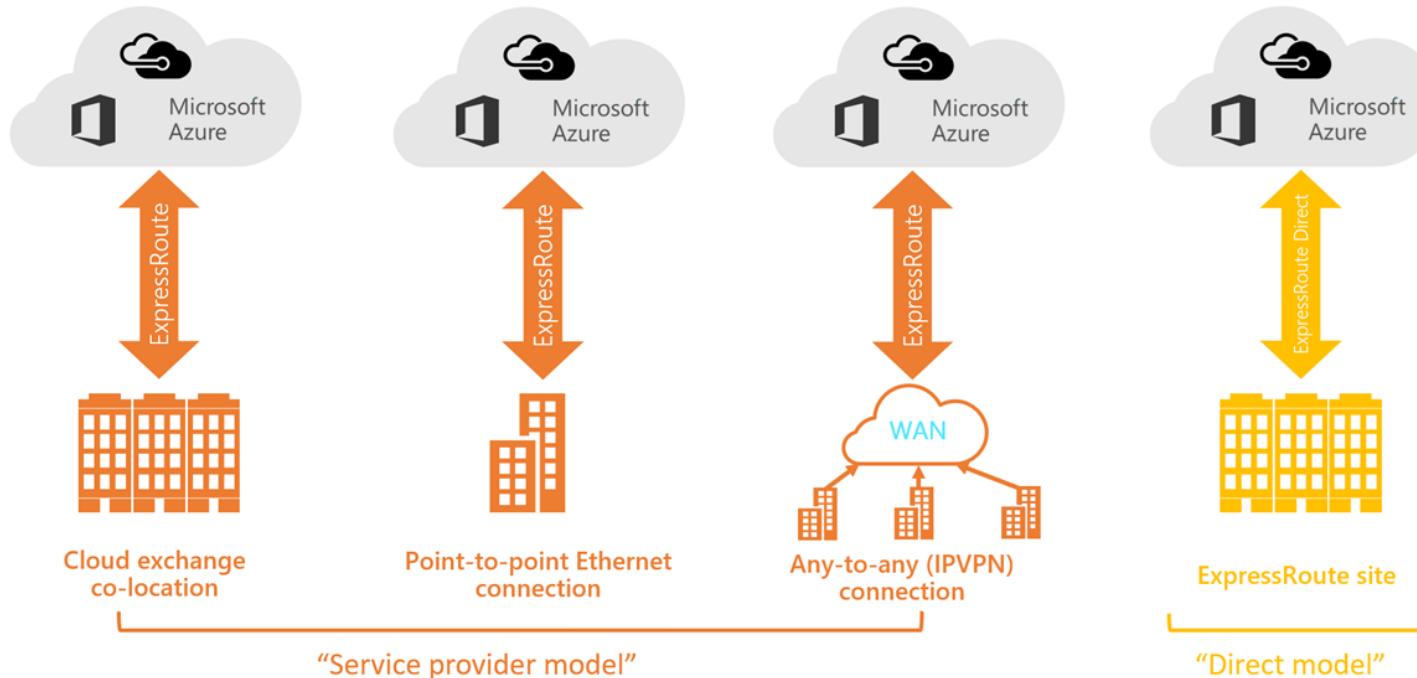


Poll: Which Azure service provides a private, dedicated connection between Azure and on-premises networks, bypassing the public internet?

- Azure ExpressRoute
- Azure VPN Gateway
- Azure Application Gateway
- Azure Firewall



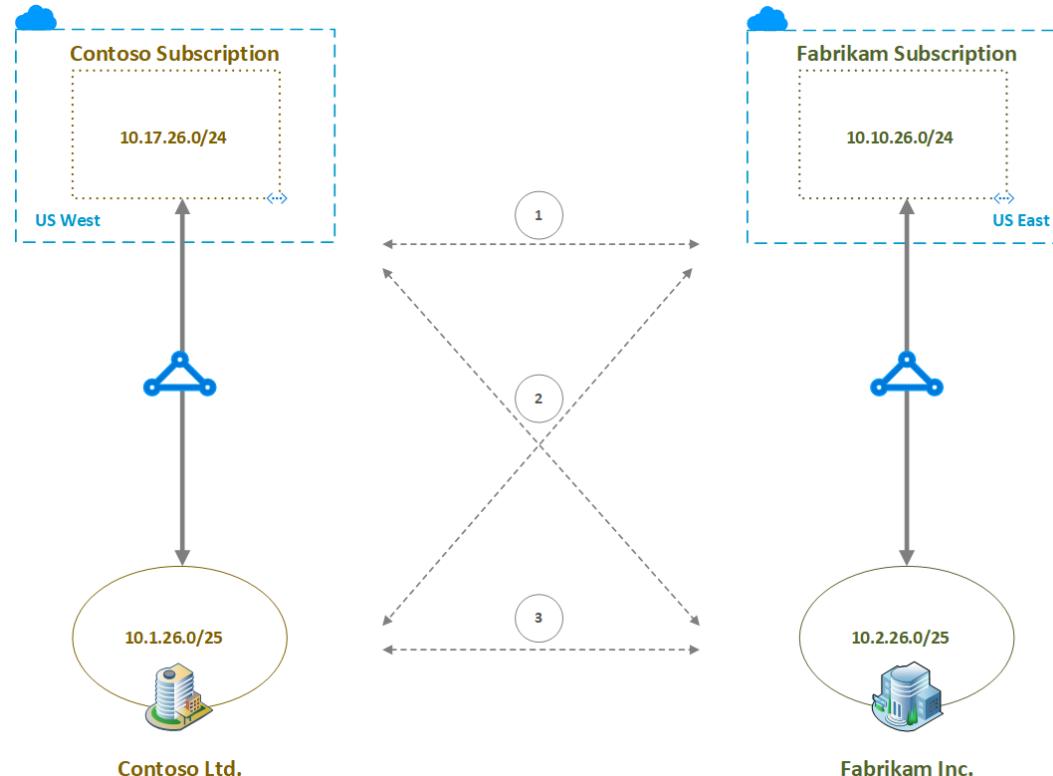
Azure ExpressRoute Connectivity Models



<https://learn.microsoft.com/en-us/azure/expressroute/expressroute-connectivity-models>



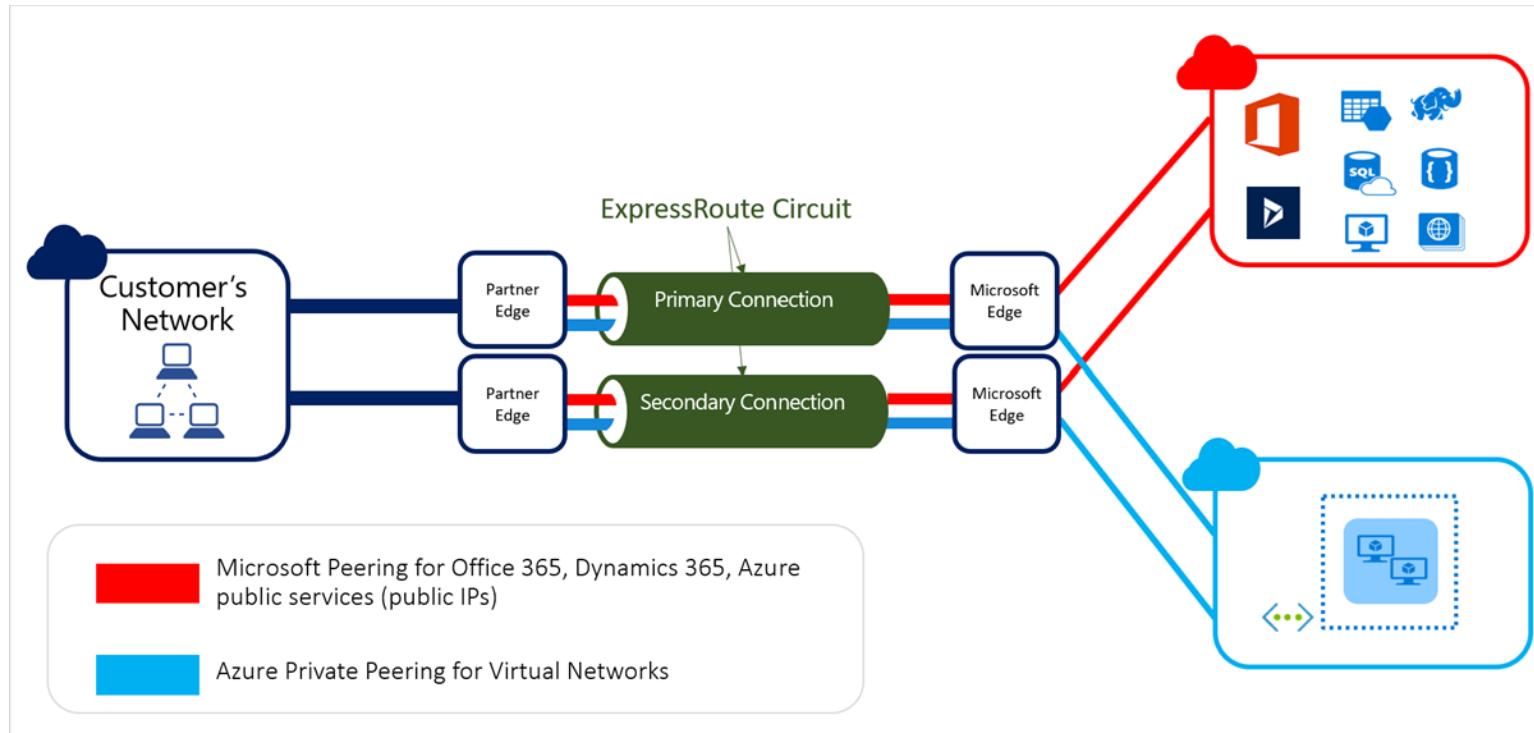
Azure ExpressRoute Cross-network Connectivity



<https://learn.microsoft.com/en-us/azure/expressroute/cross-network-connectivity>



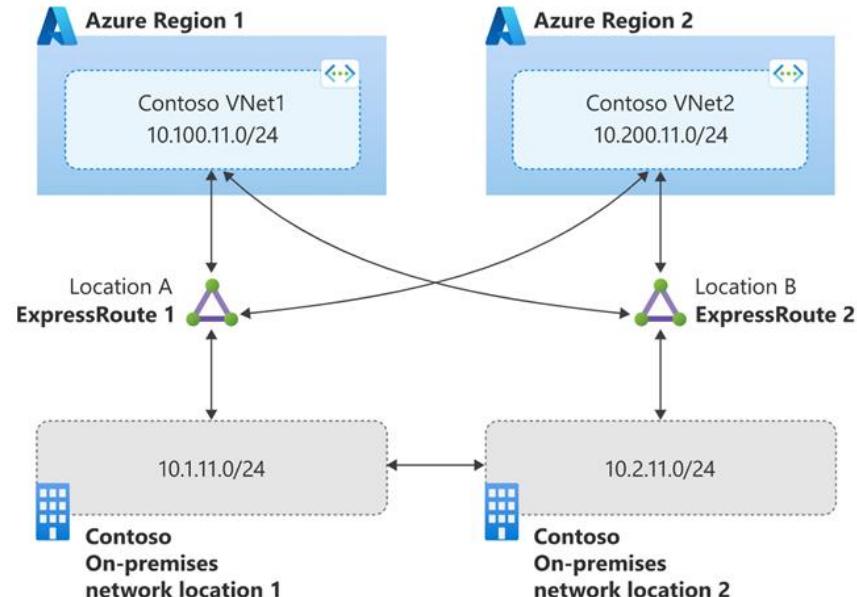
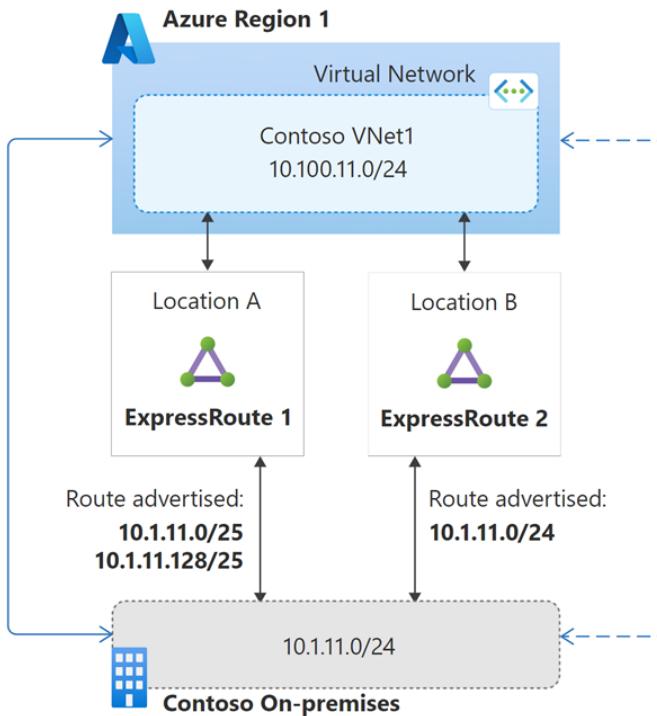
Azure ExpressRoute High Availability



<https://learn.microsoft.com/en-us/azure/expressroute/designing-for-high-availability-with-expressroute>



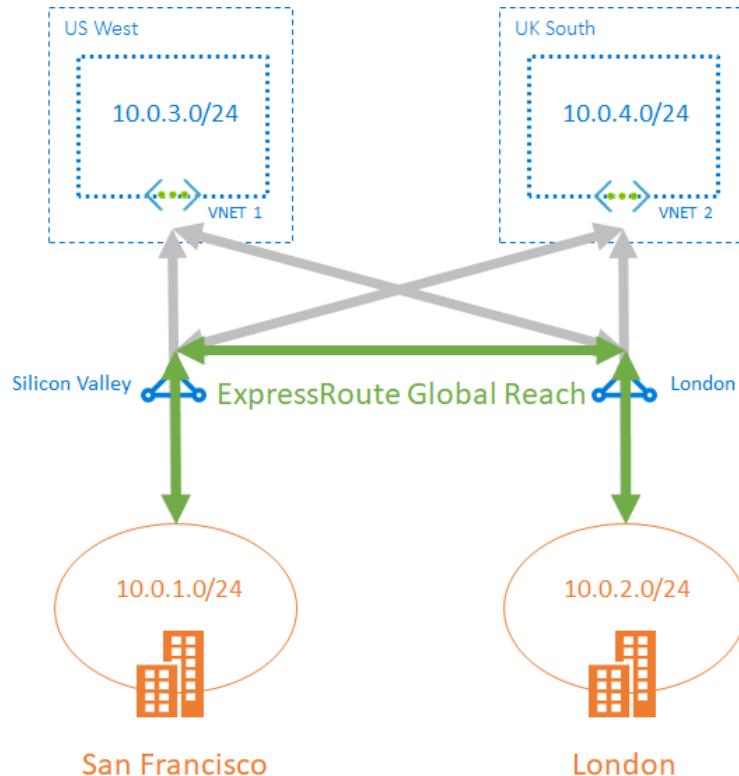
Azure ExpressRoute Disaster Recovery



<https://learn.microsoft.com/en-us/azure/expressroute/designing-for-disaster-recovery-with-expressroute-privatepeering>



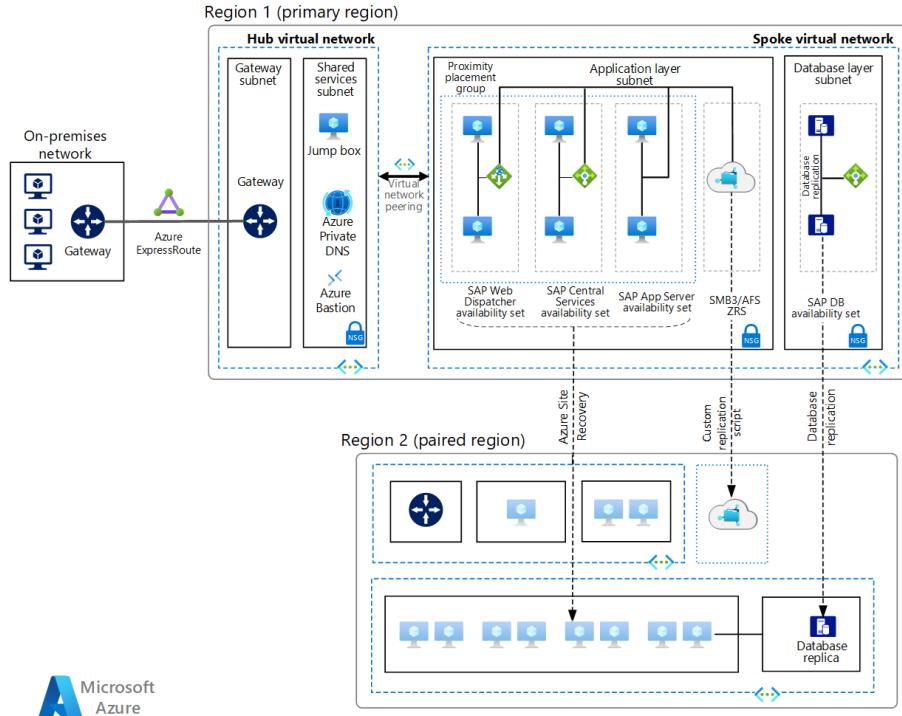
Azure ExpressRoute Global Reach



<https://learn.microsoft.com/en-us/azure/expressroute/expressroute-global-reach>



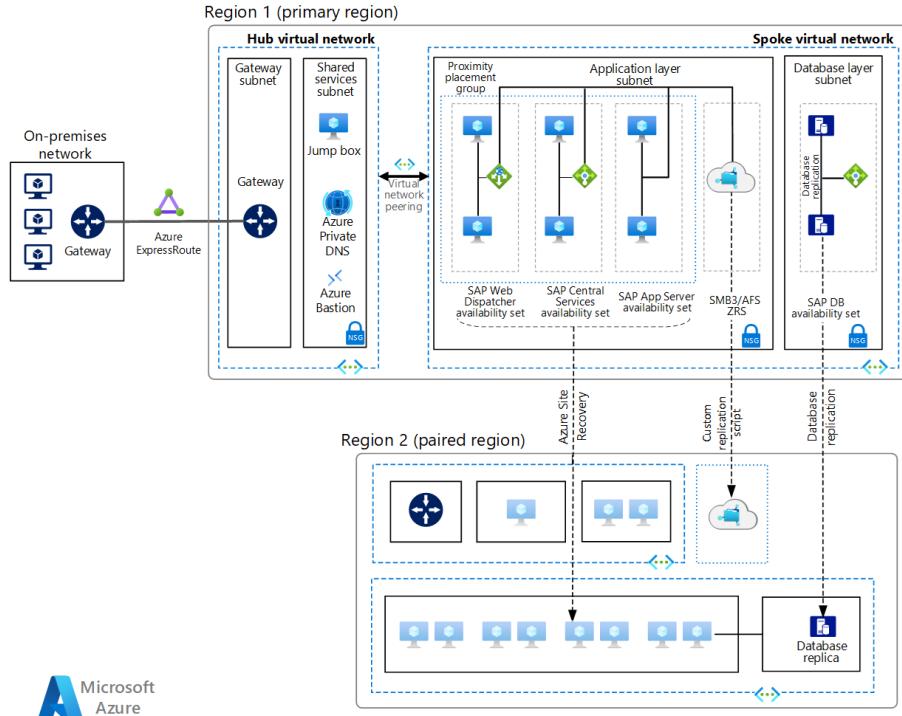
Azure ExpressRoute FastPath



<https://learn.microsoft.com/en-us/azure/architecture/guide/sap/sap-netweaver>



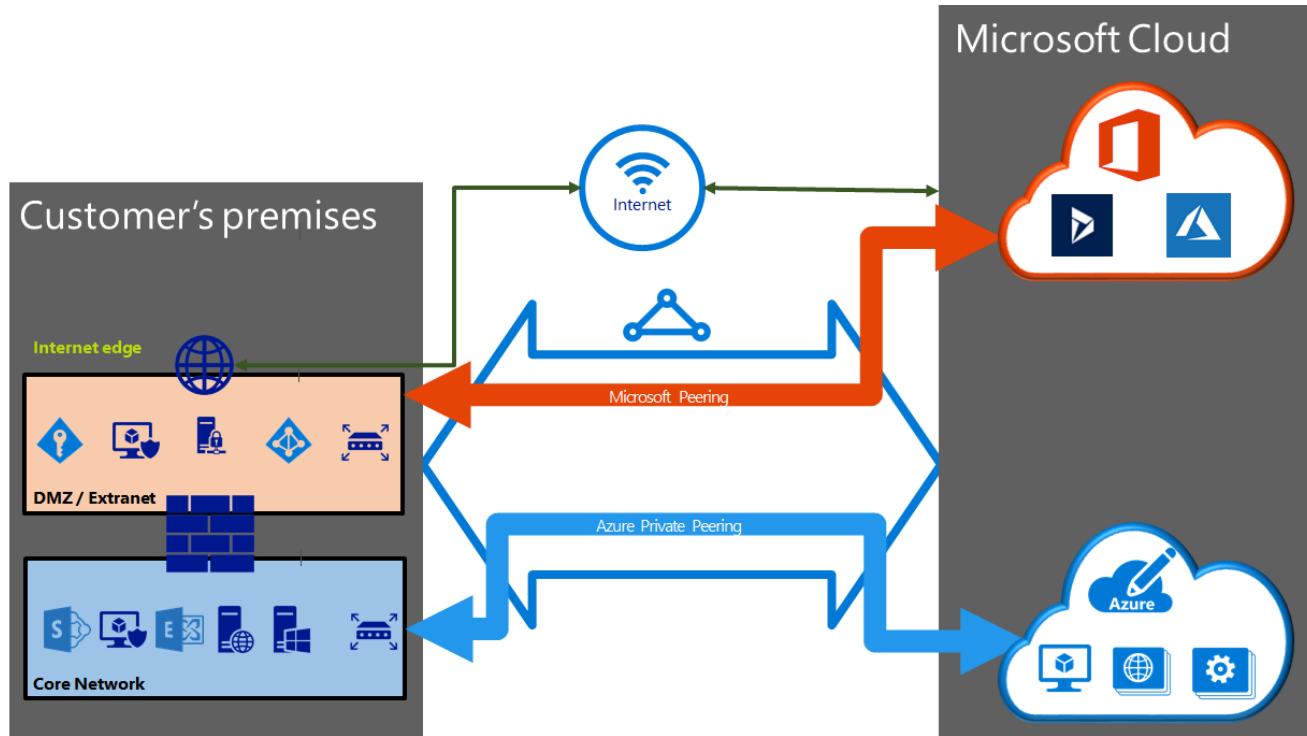
Azure ExpressRoute FastPath



<https://learn.microsoft.com/en-us/azure/architecture/guide/sap/sap-netweaver>



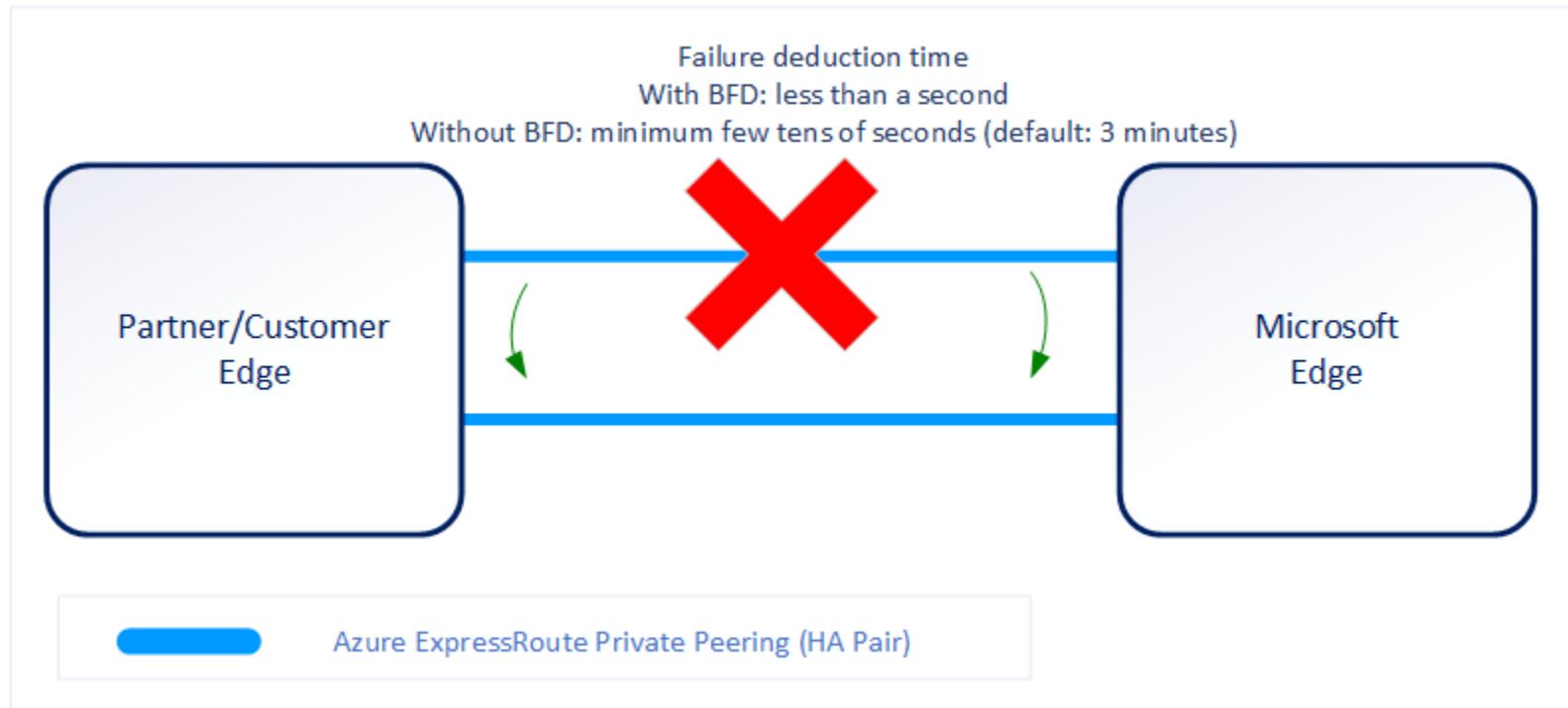
ExpressRoute Peering (Private vs. Microsoft)



<https://learn.microsoft.com/en-us/azure/expressroute/expressroute-circuit-peerings>



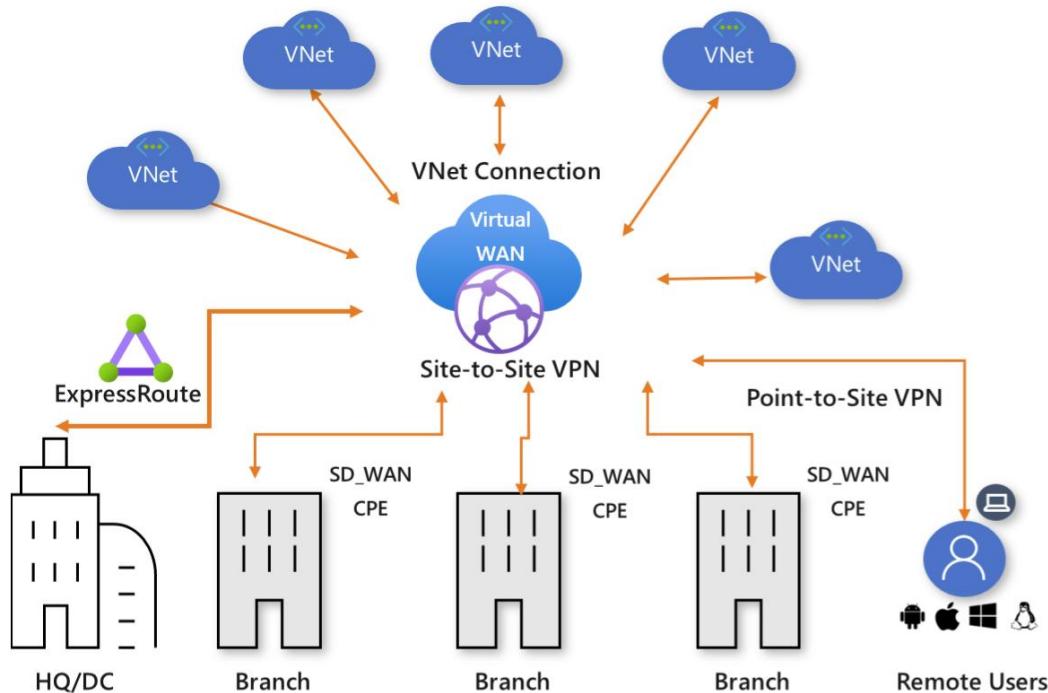
BFD Over ExpressRoute



<https://learn.microsoft.com/en-us/azure/expressroute/expressroute-bfd>



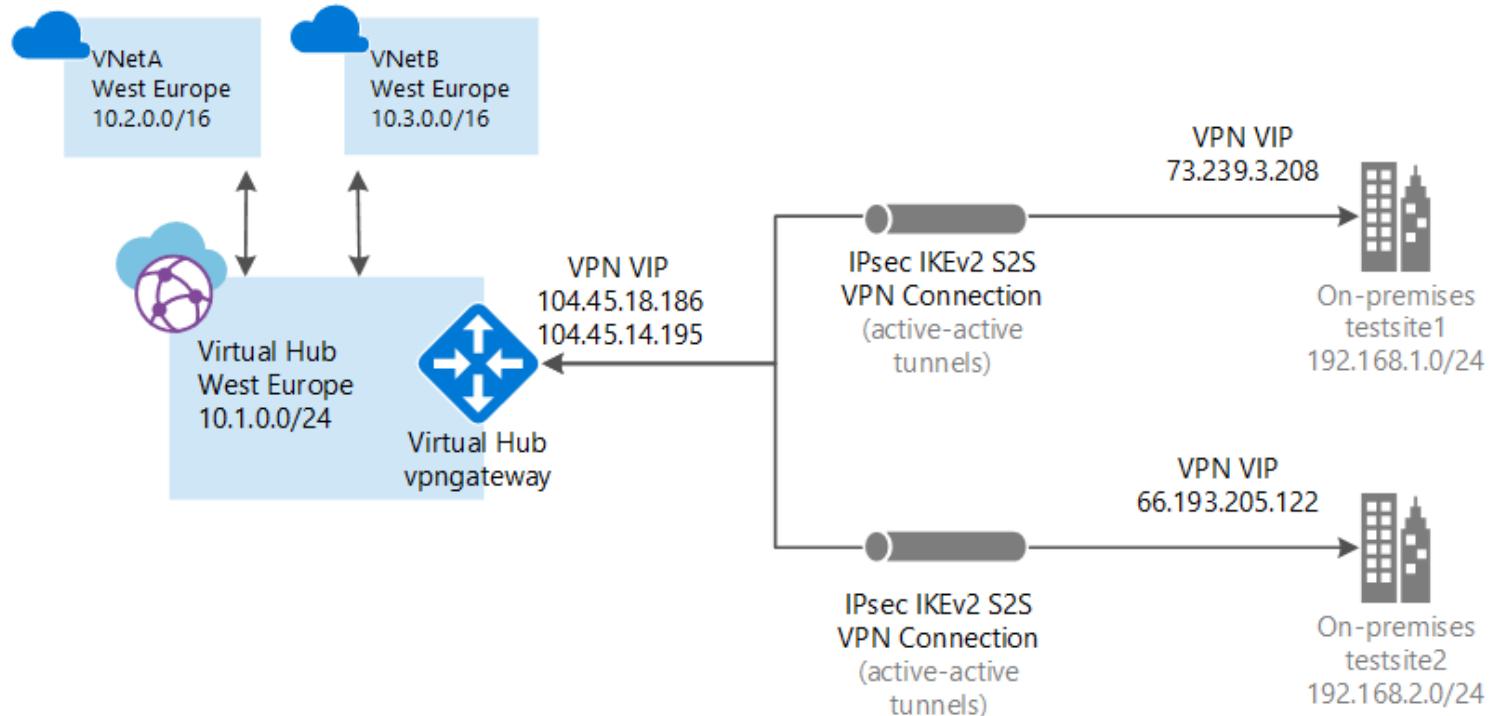
Azure Virtual WAN



<https://learn.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about>



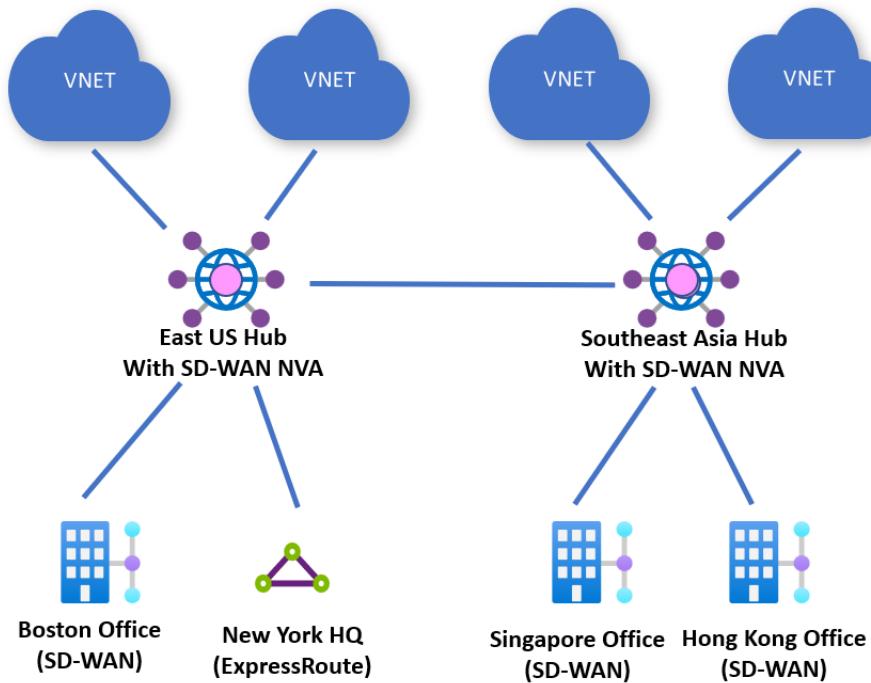
Create a S2S connection using Azure Virtual WAN



<https://learn.microsoft.com/en-us/azure/virtual-wan/virtual-wan-site-to-site-portal>



NVAs in a Virtual WAN Hub



<https://learn.microsoft.com/en-us/azure/virtual-wan/about-nva-hub>

Design and implement application delivery services (15–20%)





Pulse Check: Have you ever used an Azure load balancing service? If yes, which one?



Design and implement application delivery services (20–25%)

- Design and implement Azure Load Balancer and Azure Traffic Manager
- Design and implement Azure Application Gateway
- Design and implement Azure Front Door





Design and implement Azure Load Balancer and Azure Traffic Manager

- Map requirements to features and capabilities of [Azure Load Balancer](#)
- Identify [appropriate use cases](#) for Azure Load Balancer
- Choose an Azure Load [Balancer SKU](#) and tier
- [Choose between public and internal load balancers](#)
- [Choose between regional and global load balancers](#)
- [Create and configure an Azure Load Balancer](#) [see also [1](#)]
- [Implement Azure Traffic Manager](#)
- [Implement a gateway load balancer](#)
- [Implement a load balancing rule](#)
- [Create and configure inbound NAT rules](#)
- Create and [configure explicit outbound rules](#), [including source network address translation \(SNAT\)](#)



Design and implement Azure Application Gateway

- Map requirements to features and capabilities of Azure Application Gateway
- Identify appropriate use cases for Azure Application Gateway
- Choose between manual and auto scale [see [1](#) [2](#)]
- Create a back-end pool [also see [1](#)]
- Configure health probes
- Configure listeners
- Configure routing rules
- Configure HTTP settings
- Configure Transport Layer Security (TLS)
- Configure rewrite sets



Design and implement Azure Front Door

- Map requirements to features and capabilities of Azure Front Door
- Identify appropriate use cases for Azure Front Door
- Choose an appropriate tier
- Configure an Azure Front Door, including routing, origins, and endpoints
- Configure SSL termination and end-to-end SSL encryption
- Configure caching
- Configure traffic acceleration
- Implement rules, URL rewrite, and URL redirect
- Secure an origin by using Azure Private Link in Azure Front Door



Load-balancing Options

Service	Global/regional	Recommended traffic
Azure Front Door	Global	HTTP(S)
Traffic Manager	Global	non-HTTP(S)
Application Gateway	Regional	HTTP(S)
Azure Load Balancer	Regional	non-HTTP(S)

<https://learn.microsoft.com/en-us/azure/architecture/guide/technology-choices/load-balancing-overview>



Load-balancing Options

Load balancing

Search (Ctrl+ /) Give feedback

Overview Help me choose Service comparison Tutorial

Load Balancing Services

- Application Gateway
- Front Door
- Load Balancer
- Traffic Manager

Does your application require Layer 7 load balancing capability?

Yes No

Application Gateway

- Internal and public configurations
- Regional layer 7 load balancer
- SSL/TLS offloading

Create Show more

Front Door

- Global layer 7 load balancer
- Site acceleration
- SSL/TLS offloading

Create Show more

Load Balancer

- Layer 4 load balancing
- Internal and public configurations
- High availability across zones

Create Show more

Traffic Manager

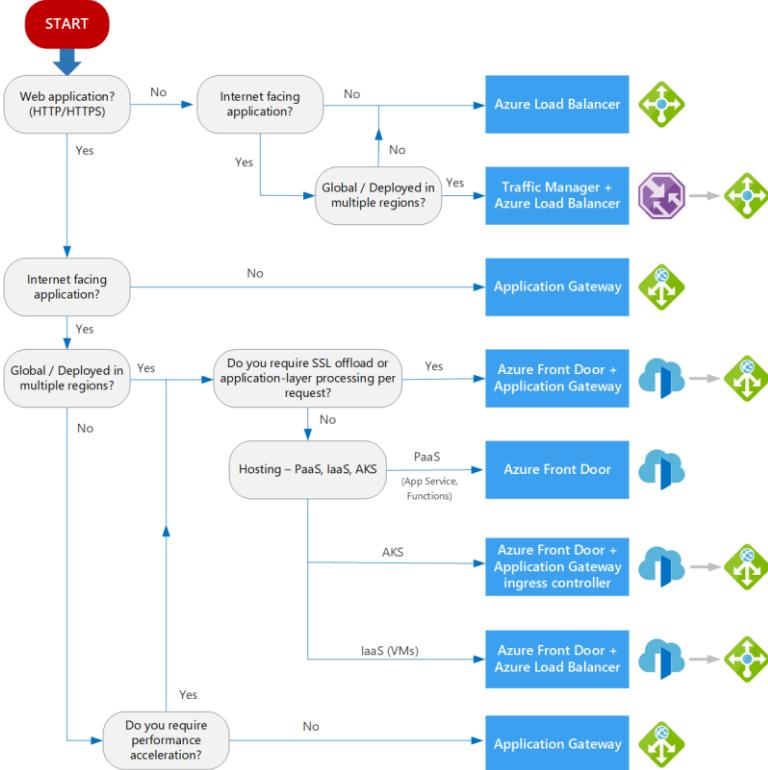
- DNS-based traffic load balancer
- Global across Azure regions
- High availability

Create Show more

<https://learn.microsoft.com/en-us/azure/architecture/guide/technology-choices/load-balancing-overview>



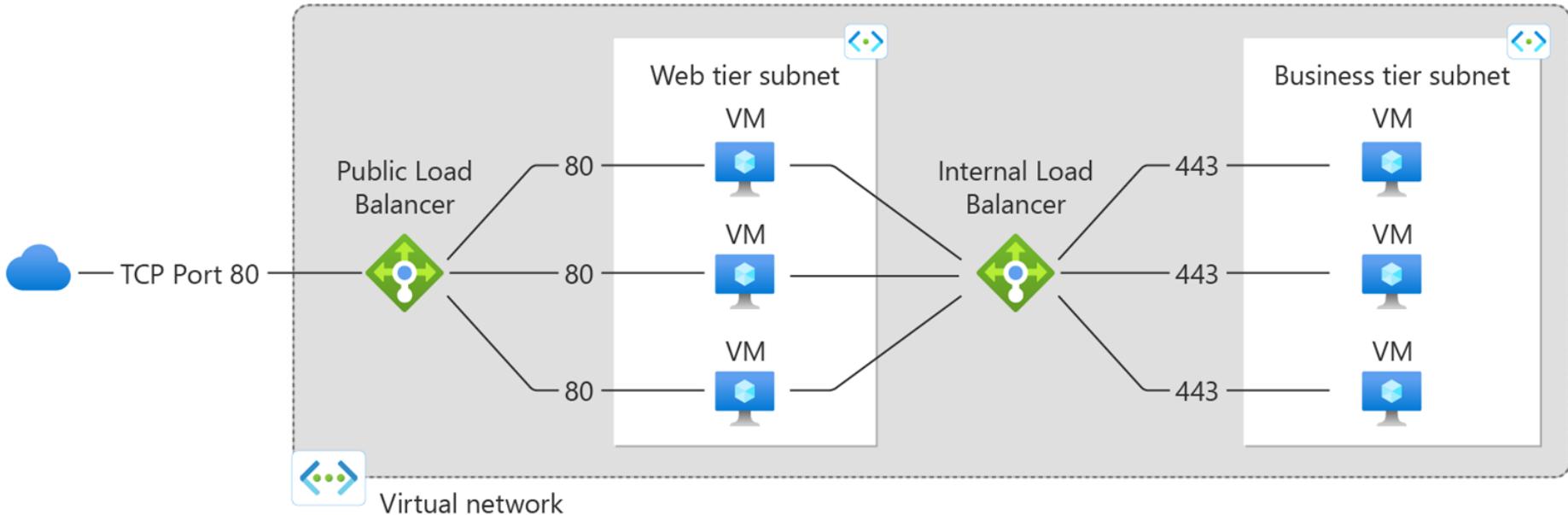
Load-balancing Options



<https://learn.microsoft.com/en-us/azure/architecture/guide/technology-choices/load-balancing-overview#decision-tree-for-load-balancing-in-azure>



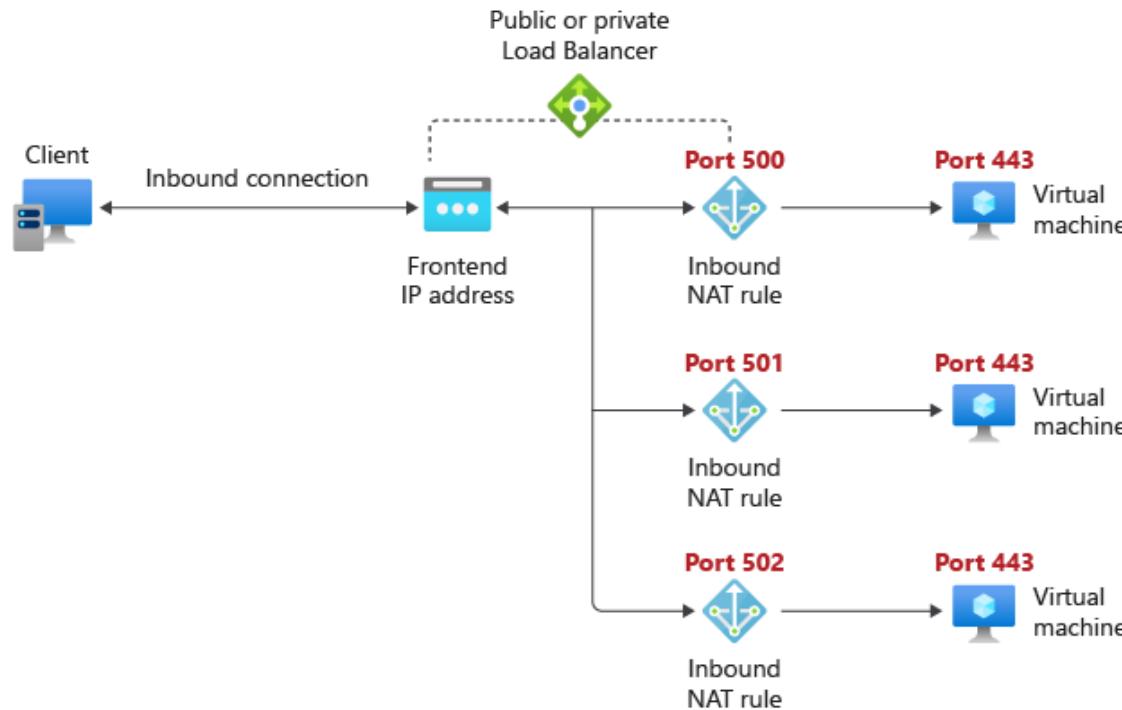
Azure Load Balancer



<https://learn.microsoft.com/en-us/azure/load-balancer/load-balancer-overview>



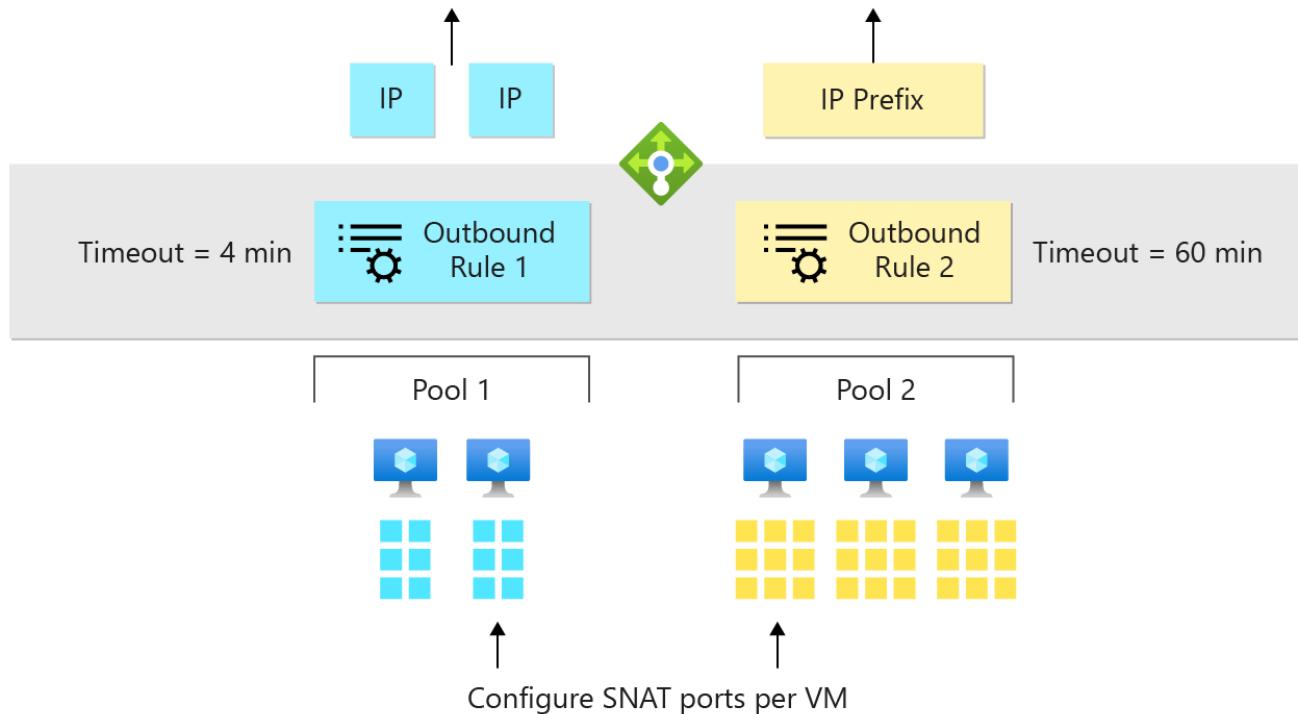
Azure Load Balancer Inbound NAT Rules



<https://learn.microsoft.com/en-us/azure/load-balancer/inbound-nat-rules>



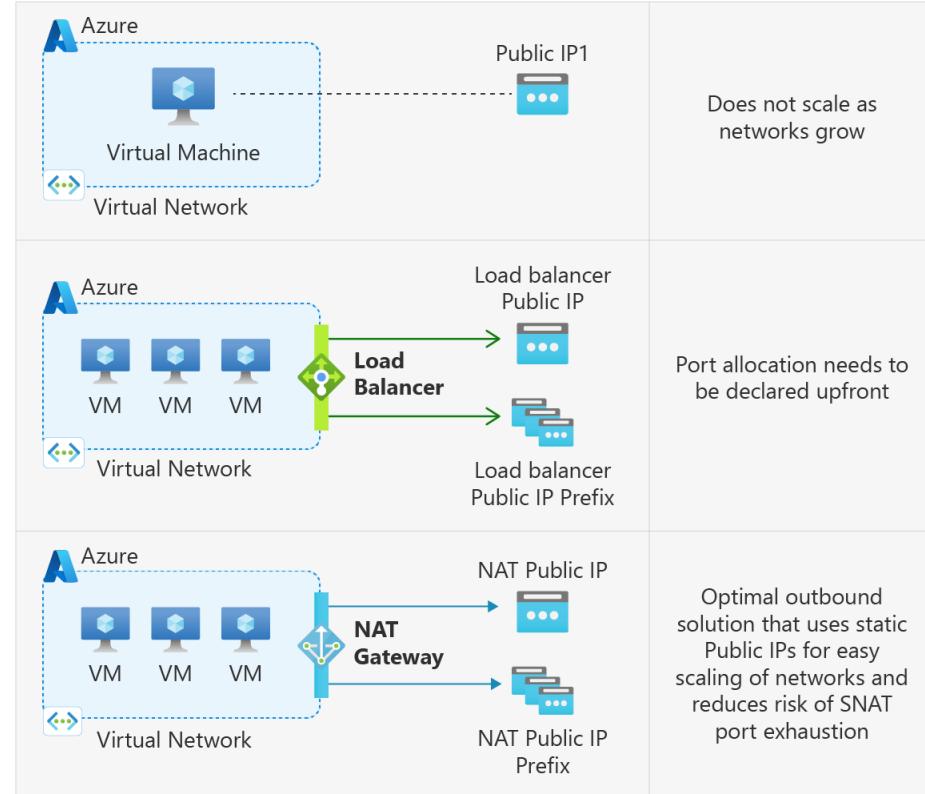
Azure Load Balancer Outbound Rules



<https://learn.microsoft.com/en-us/azure/load-balancer/outbound-rules>



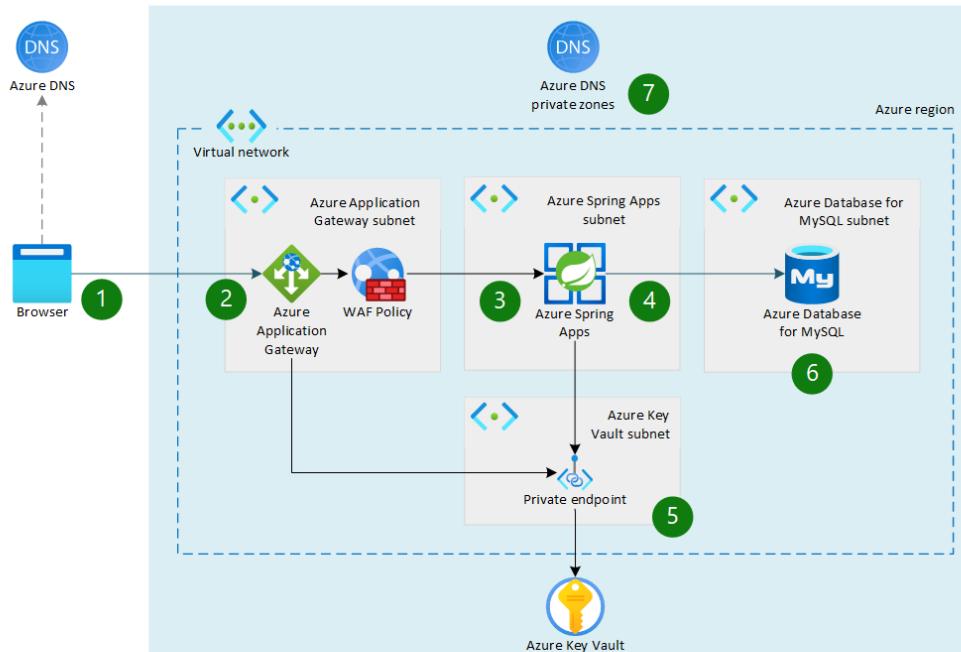
Azure Load Balancer Source Network Address Translation (SNAT)



<https://learn.microsoft.com/en-us/azure/load-balancer/load-balancer-outbound-connections>



Azure Application Gateway



<https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/microservices/spring-apps-multi-zone>



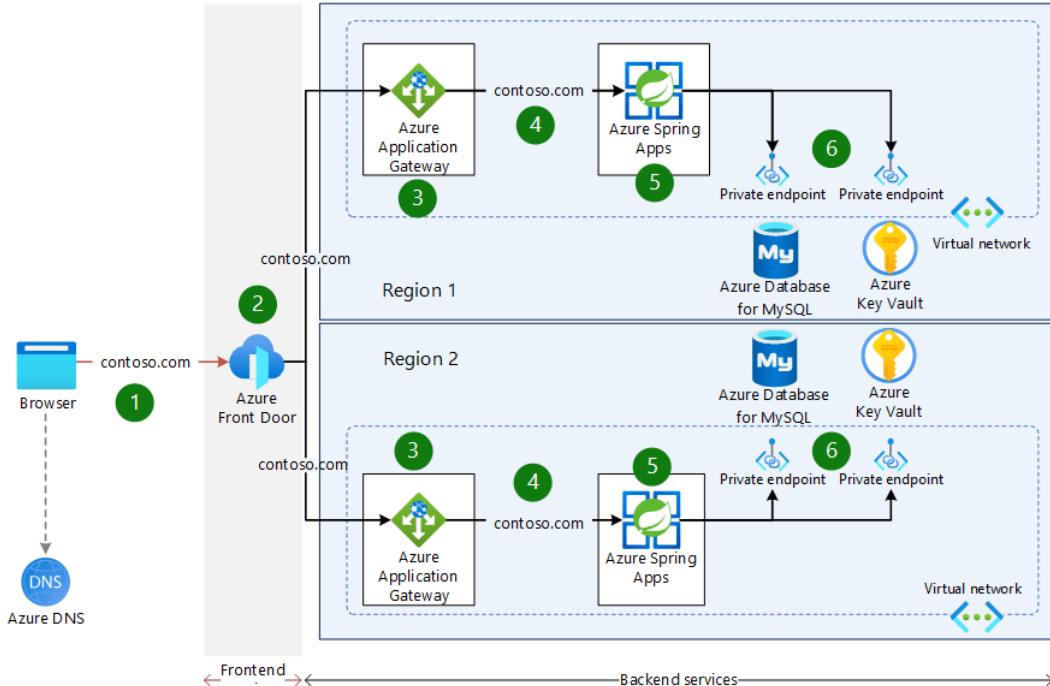
Configuring Azure Application Gateway

- Create a back-end pool
- Configure health probes
- Configure listeners
- Configure routing rules
- Configure HTTP settings
- Configure Transport Layer Security (TLS)
- Configure rewrite sets

<https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/microservices/spring-apps-multi-zone>



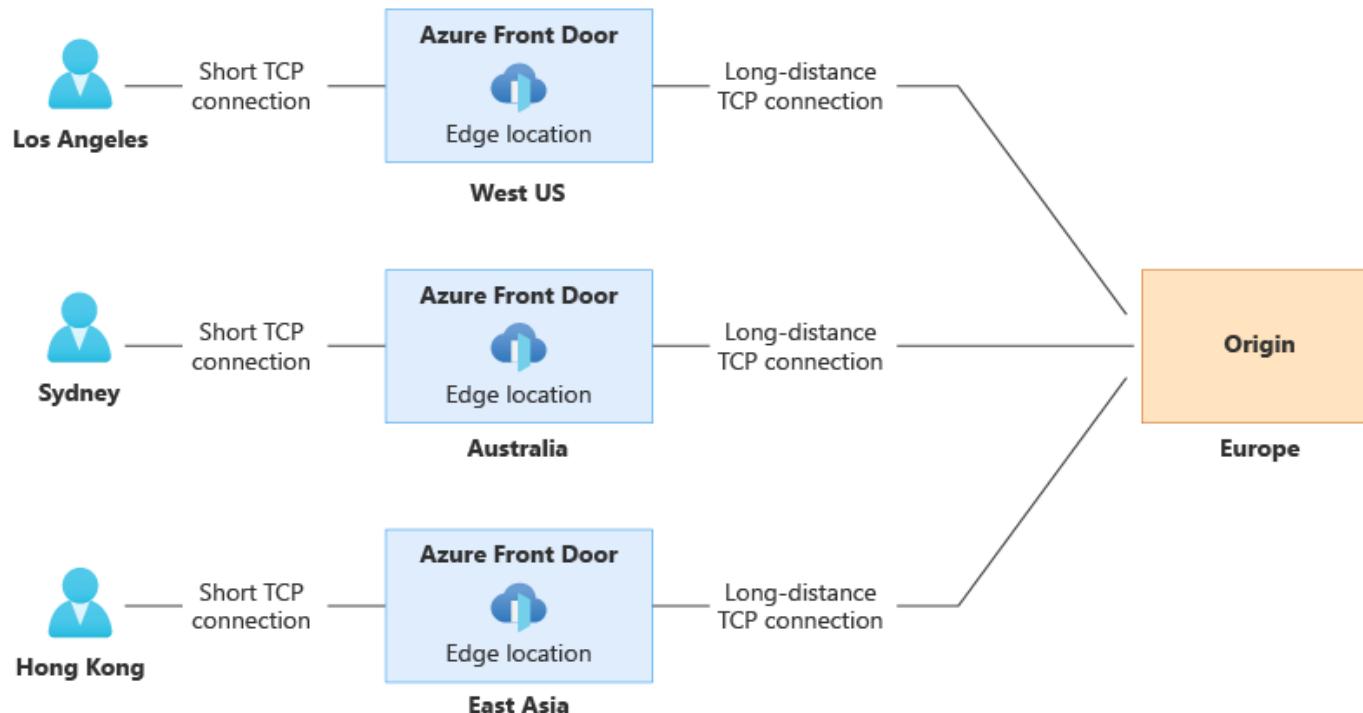
Azure Front Door



<https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/microservices/spring-apps-multi-region>



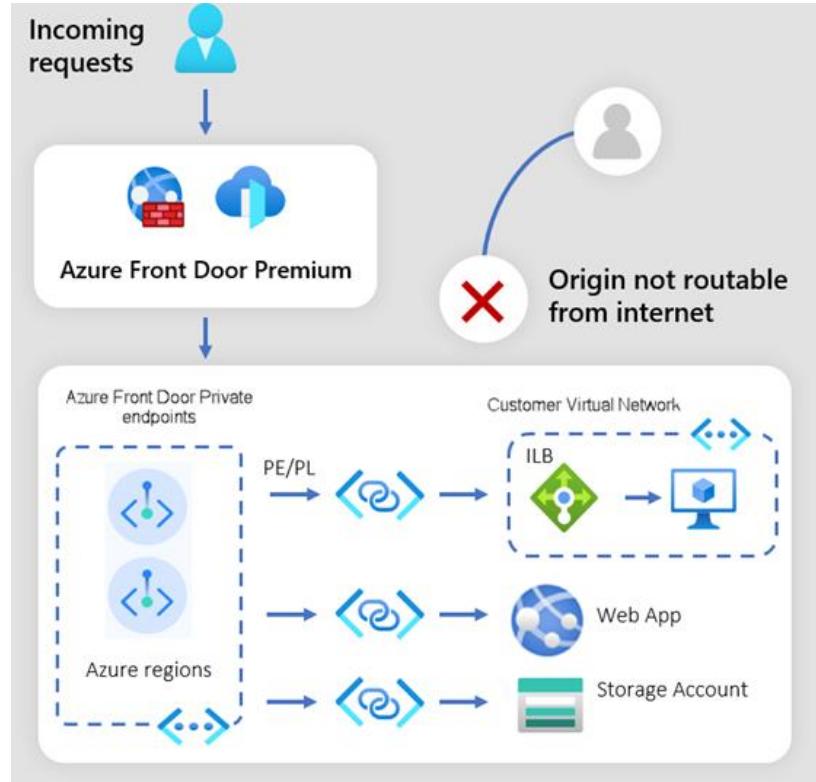
Azure Front Door Traffic Acceleration



<https://learn.microsoft.com/en-us/azure/frontdoor/front-door-traffic-acceleration?pivots=front-door-standard-premium>



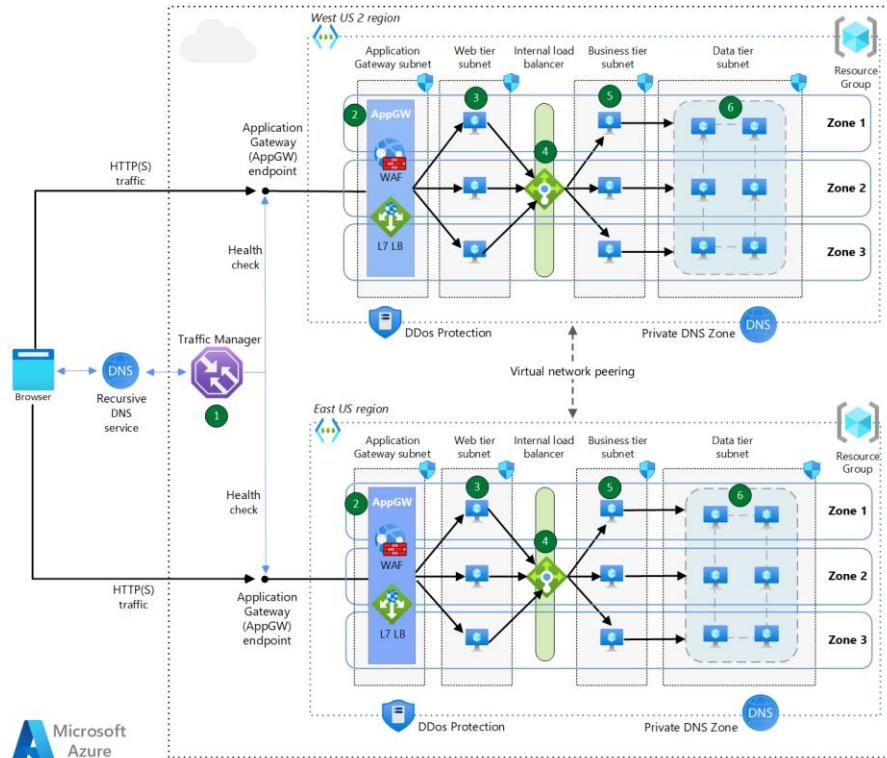
Private Link in Azure Front Door Premium



<https://learn.microsoft.com/en-us/azure/frontdoor/private-link>



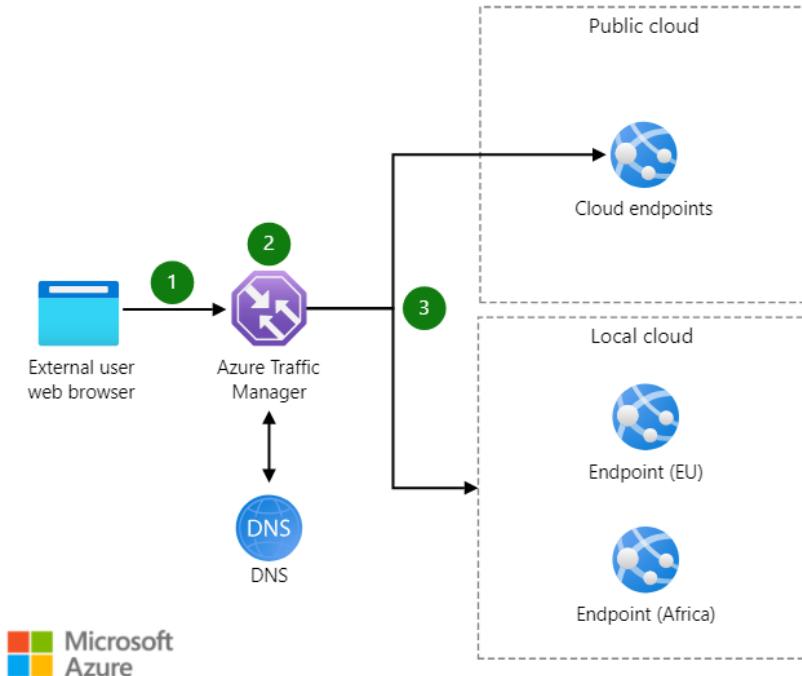
Azure Traffic Manager



<https://learn.microsoft.com/en-us/azure/architecture/high-availability/reference-architecture-traffic-manager-application-gateway>



Azure Traffic Manager



<https://learn.microsoft.com/en-us/azure/architecture/example-scenario/hybrid/hybrid-geo-distributed>



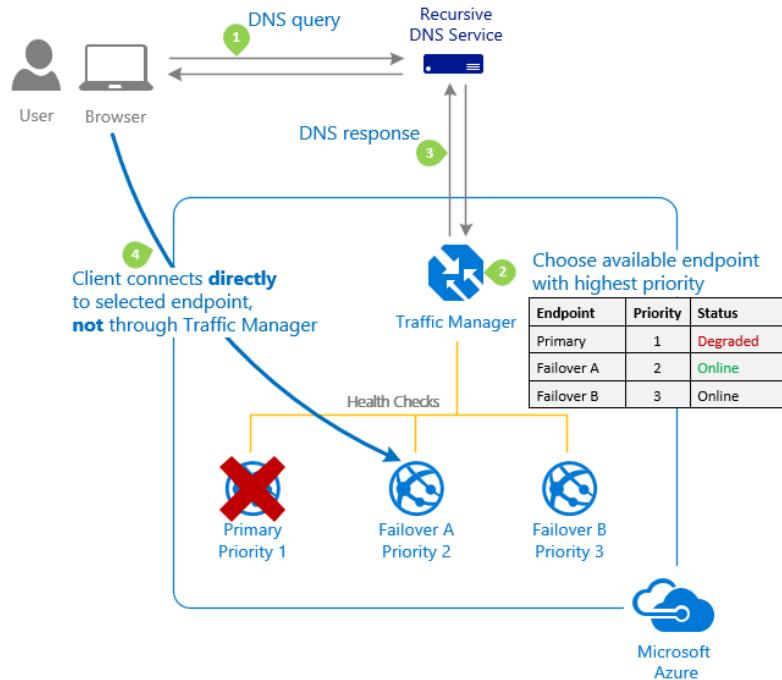
Azure Traffic Manager Routing Methods

- Priority traffic-routing method
- Weighted traffic-routing method
- Performance traffic-routing method
- Geographic traffic-routing method

<https://learn.microsoft.com/en-us/azure/traffic-manager/traffic-manager-routing-methods>



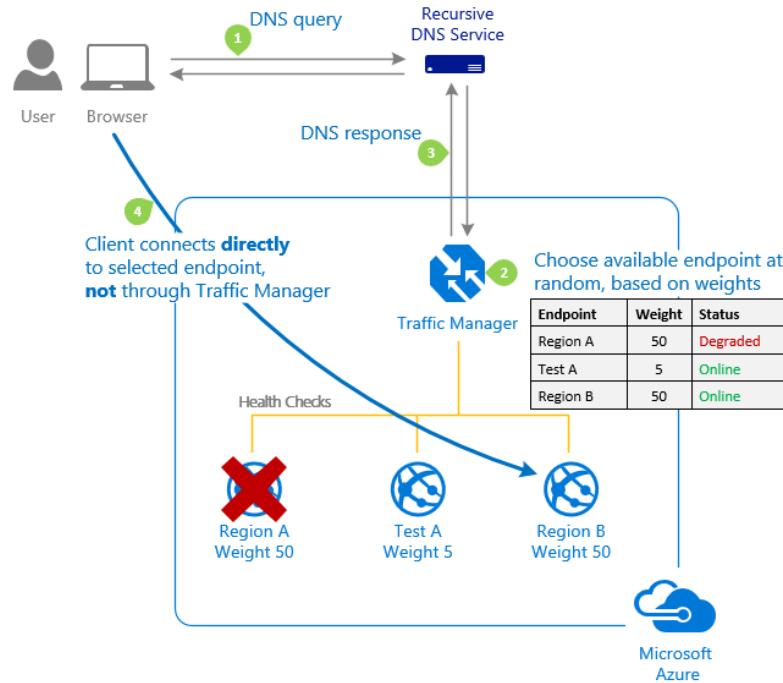
Azure Traffic Manager Routing Methods: Priority Traffic



<https://learn.microsoft.com/en-us/azure/traffic-manager/traffic-manager-routing-methods>



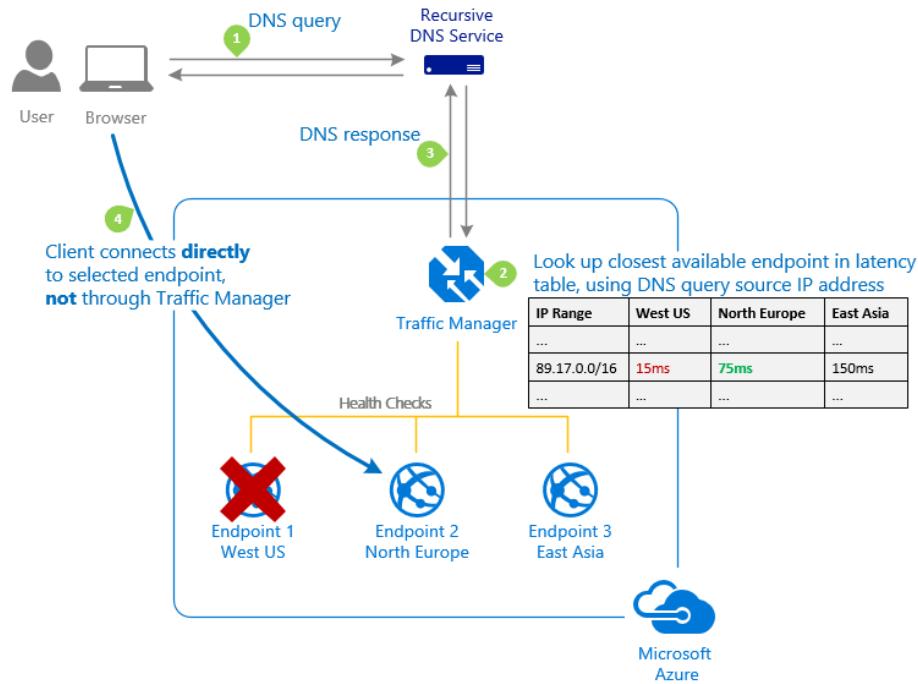
Azure Traffic Manager Routing Methods: Weighted



<https://learn.microsoft.com/en-us/azure/traffic-manager/traffic-manager-routing-methods>



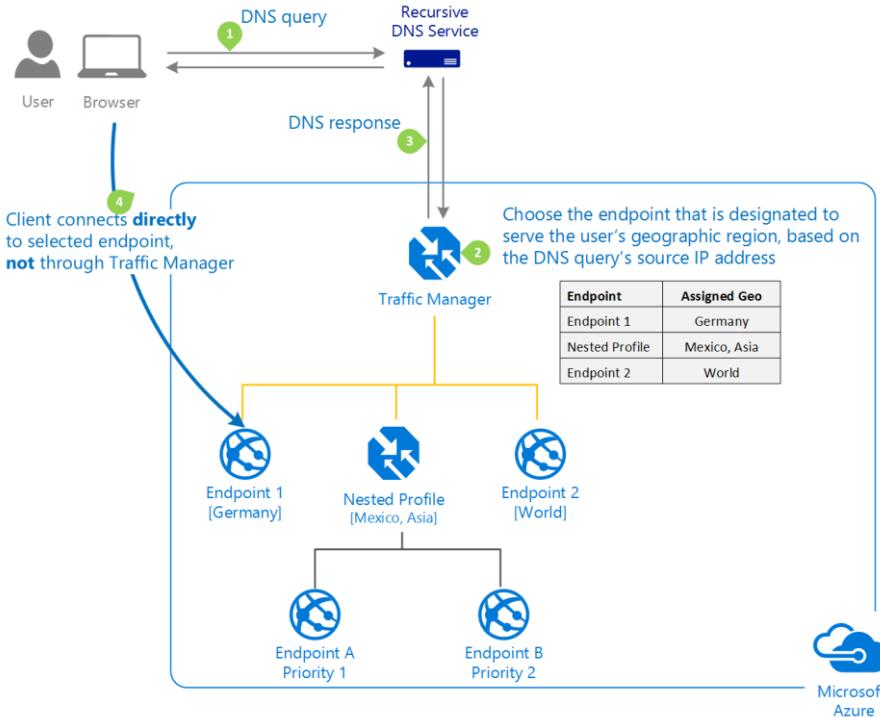
Azure Traffic Manager Routing Methods: Performance



<https://learn.microsoft.com/en-us/azure/traffic-manager/traffic-manager-routing-methods>



Azure Traffic Manager Routing Methods: Geographic



<https://learn.microsoft.com/en-us/azure/traffic-manager/traffic-manager-routing-methods>



Poll: Which regional Azure load balancing solution is designed for HTTP and HTTPS traffic with features like URL-based routing and web application firewall?

- Azure Load Balancer
- Azure Traffic Manager
- Azure Application Gateway
- Azure Front Door



Poll: Which Azure load balancing solution operates at the network layer (Layer 4) and distributes traffic based on IP protocols and ports?

- Azure Load Balancer
- Azure Traffic Manager
- Azure Application Gateway
- Azure Front Door

Design and
implement
private access to
Azure services
(10–15%)





Pulse Check: Have you even configured private access using Azure Private Endpoints?



Design and implement private access to Azure services (5–10%)

- Design and implement Azure Private Link service and Azure private endpoints
- Design and implement service endpoints





Design and implement Azure Private Link service and Azure private endpoints

- [Plan private endpoints](#) [also see [1](#) [2](#)]
- [Create private endpoints](#)
- [Configure access to private endpoints](#)
- [Create a Private Link service](#)
- [Integrate Private Link and Private Endpoints with DNS](#) [also see [1](#)]
- [Integrate a Private Link service with on-premises clients](#)

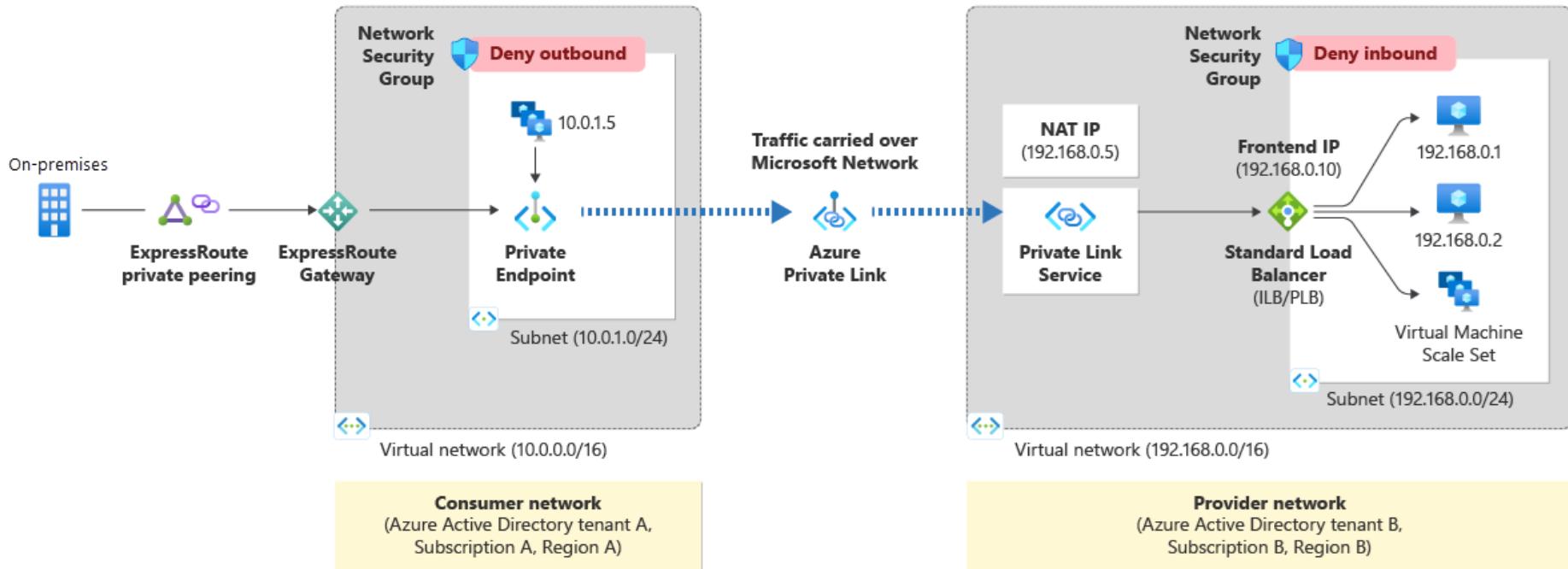


Design and implement service endpoints

- Choose when to use a service endpoint
- Create service endpoints [also see 1]
- Configure service endpoint policies
- Configure access to service endpoints



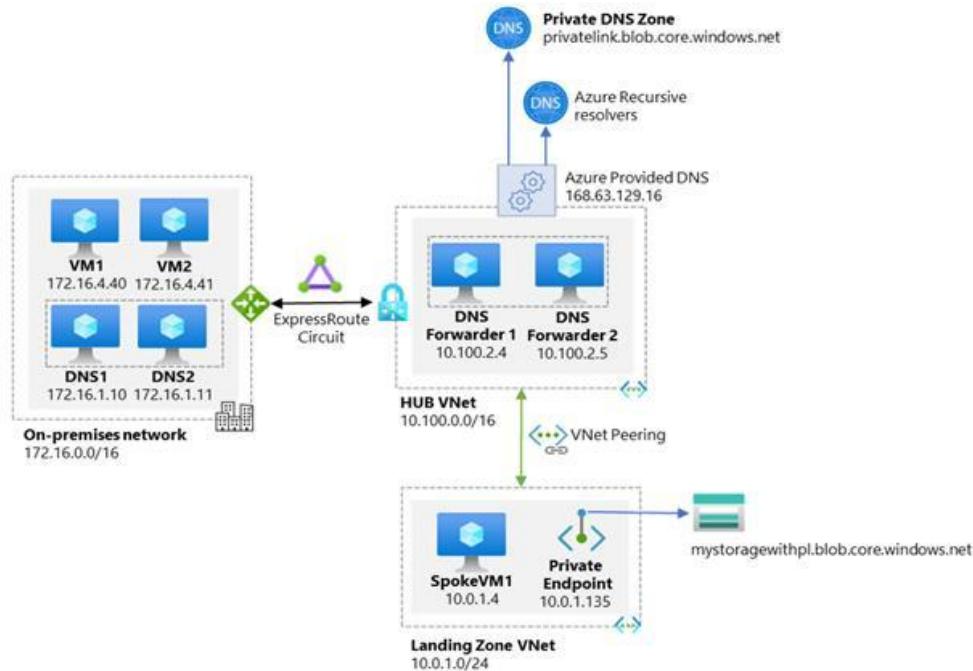
Azure Private Link



<https://learn.microsoft.com/en-us/azure/private-link/private-link-service-overview>



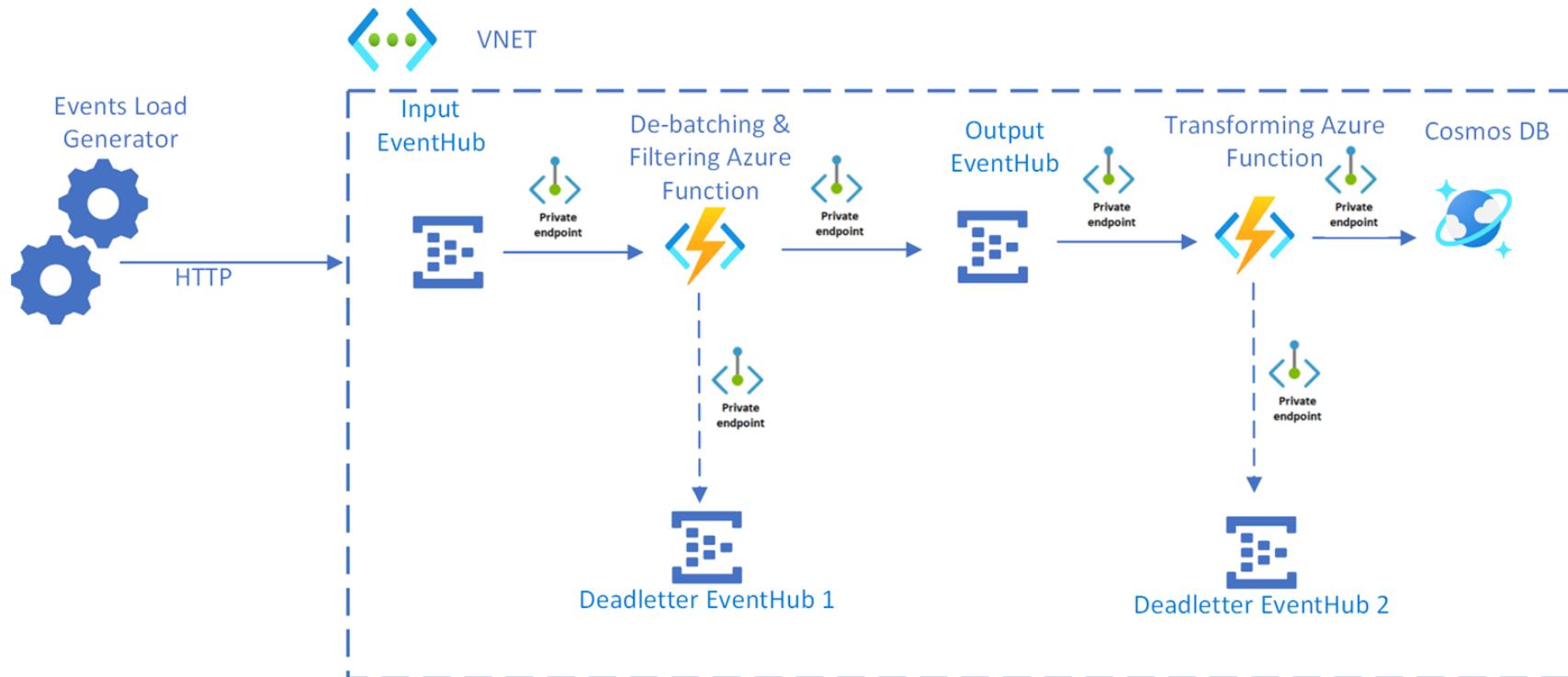
Azure Private Link and DNS Integration



<https://learn.microsoft.com/en-us/azure/cloud-adoption-framework/ready/azure-best-practices/private-link-and-dns-integration-at-scale>



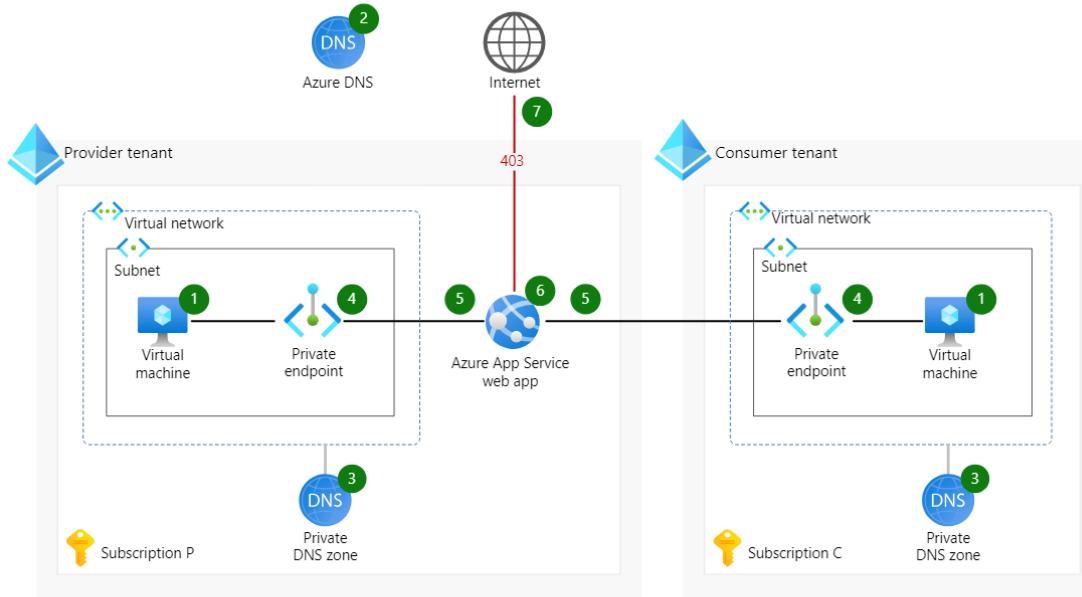
Azure Private Endpoint



<https://learn.microsoft.com/en-us/azure/architecture/solution-ideas/articles/serverless-event-processing-private-link>



Azure Private Endpoint



<https://learn.microsoft.com/en-us/azure/architecture/guide/networking/cross-tenant-secure-access-private-endpoints>



Azure Private Endpoint Support

Private-link resource

A private-link resource is the destination target of a specified private endpoint. The following table lists the available resources that support a private endpoint:

Private-link resource name	Resource type	Subresources
Azure App Configuration	Microsoft.Appconfiguration/configurationStores	configurationStores
Azure Automation	Microsoft.Automation/automationAccounts	Webhook, DSCAndHybridWorker
Azure Cosmos DB	Microsoft.AzureCosmosDB/databaseAccounts	SQL, MongoDB, Cassandra, Gremlin, Table
Azure Cosmos DB for PostgreSQL	Microsoft.DBforPostgreSQL/serverGroupsV2	coordinator
Azure Batch	Microsoft.Batch/batchAccounts	batchAccount, nodeManagement
Azure Cache for Redis	Microsoft.Cache/Redis	redisCache
Azure Cache for Redis Enterprise	Microsoft.Cache/redisEnterprise	redisEnterprise
Azure Cognitive Services	Microsoft.CognitiveServices/accounts	account

<https://learn.microsoft.com/en-us/azure/private-link/private-endpoint-overview#private-link-resource>



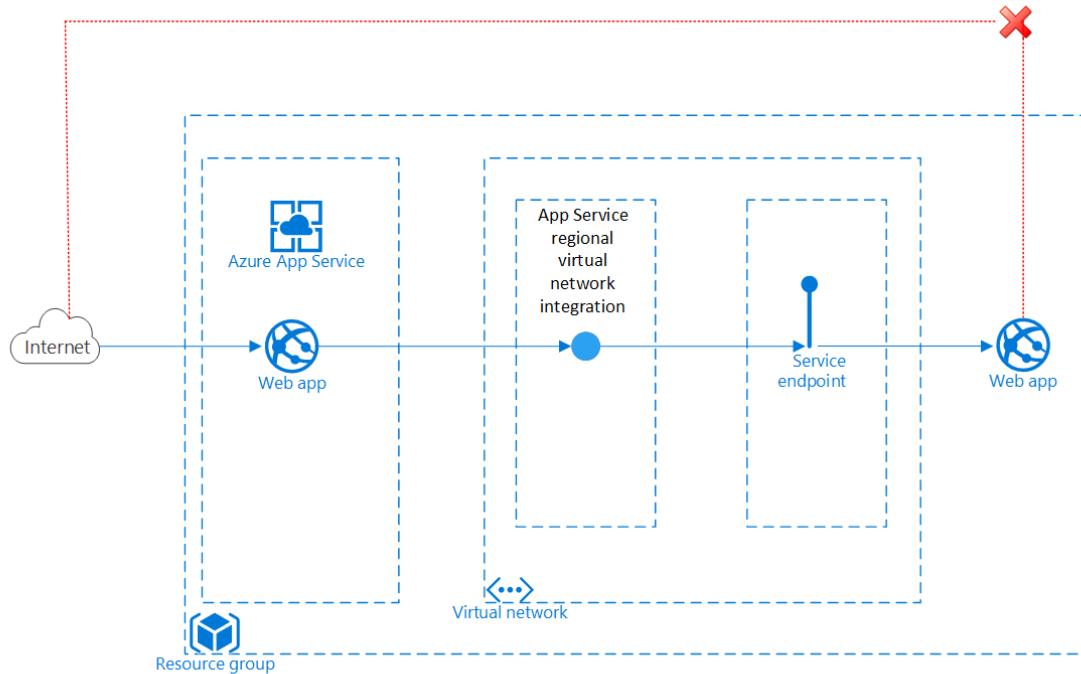
Azure Virtual Network Service Endpoints

① Note

Microsoft recommends use of Azure Private Link for secure and private access to services hosted on Azure platform. For more information, see [Azure Private Link](#).



Azure Virtual Network Service Endpoints



<https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/app-service-web-app/multi-tier-app-service-service-endpoint>



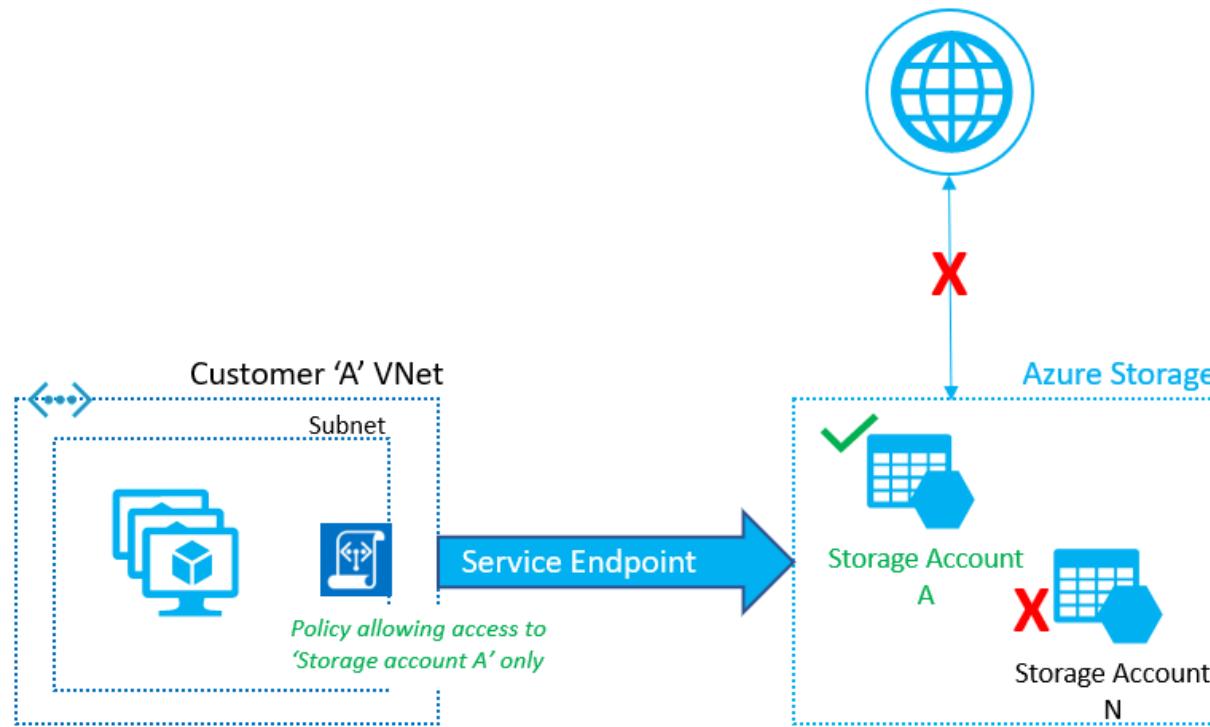
Azure Virtual Network Service Endpoints

- Azure Storage (Microsoft.Storage)
- Azure Storage cross-region service endpoints (Microsoft.Storage.Global)
- Azure SQL Database (Microsoft.Sql)
- Azure Synapse Analytics (Microsoft.Sql)
- Azure Database for PostgreSQL server (Microsoft.Sql)
- Azure Database for MySQL server (Microsoft.Sql)
- Azure Database for MariaDB (Microsoft.Sql)
- Azure Cosmos DB (Microsoft.AzureCosmosDB)
- Azure Key Vault (Microsoft.KeyVault)
- Azure Service Bus (Microsoft.ServiceBus)
- Azure Event Hubs (Microsoft.EventHub)
- Azure Data Lake Store Gen 1 (Microsoft.AzureActiveDirectory)
- Azure App Service (Microsoft.Web)
- Azure Cognitive Services (Microsoft.CognitiveServices)

<https://learn.microsoft.com/en-us/azure/virtual-network/virtual-network-service-endpoints-overview>



Azure Virtual Network Service Endpoints Policy



<https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/app-service-web-app/multi-tier-app-service-service-endpoint>



Poll: What is the key difference between Azure Private Endpoint and Service Endpoint?

1. Private Endpoint uses a private IP; Service Endpoint uses the public IP.
2. Private Endpoint is for on-premises; Service Endpoint is for Azure-only.
3. Private Endpoint needs VPN; Service Endpoint needs ExpressRoute.
4. Private Endpoint enables DNS; Service Endpoint enables load balancing.



Design and Implement Azure Network Security Services (15–20%)





Poll: Which Azure service enables you to control ingress and egress network traffic on VM network cards, as well as subnets?

1. Azure Firewall
2. Network Security Group (NSG)
3. Azure DDoS Protection
4. Azure Application Gateway



Design and implement Azure network security services (15–20%)

- Implement and manage network security groups
- Design and implement Azure Firewall and Azure Firewall Manager
- Design and implement a Web Application Firewall (WAF) deployment





Implement and manage network security groups

- [Create a network security group \(NSG\)](#)
- [Associate an NSG to a resource](#)
- [Create an application security group \(ASG\)](#)
- [Associate an ASG to a network interface card \(NIC\)](#)
- [Create and configure NSG rules](#)
- [Interpret NSG flow logs \[also see 1\]](#)
- [Validate NSG flow rules](#)
- [Verify IP flow](#)
- Configure an [NSG](#) for remote server administration, including Azure [Bastion](#)



Design and implement Azure Firewall and Azure Firewall Manager

- Map requirements to features and capabilities of Azure Firewall
- Select an appropriate Azure Firewall SKU
- Design an Azure Firewall deployment
- Create and implement an Azure Firewall deployment
- Configure Azure Firewall rules
- Create and implement Azure Firewall Manager policies
- Create a secure hub by deploying Azure Firewall inside an Azure Virtual WAN hub

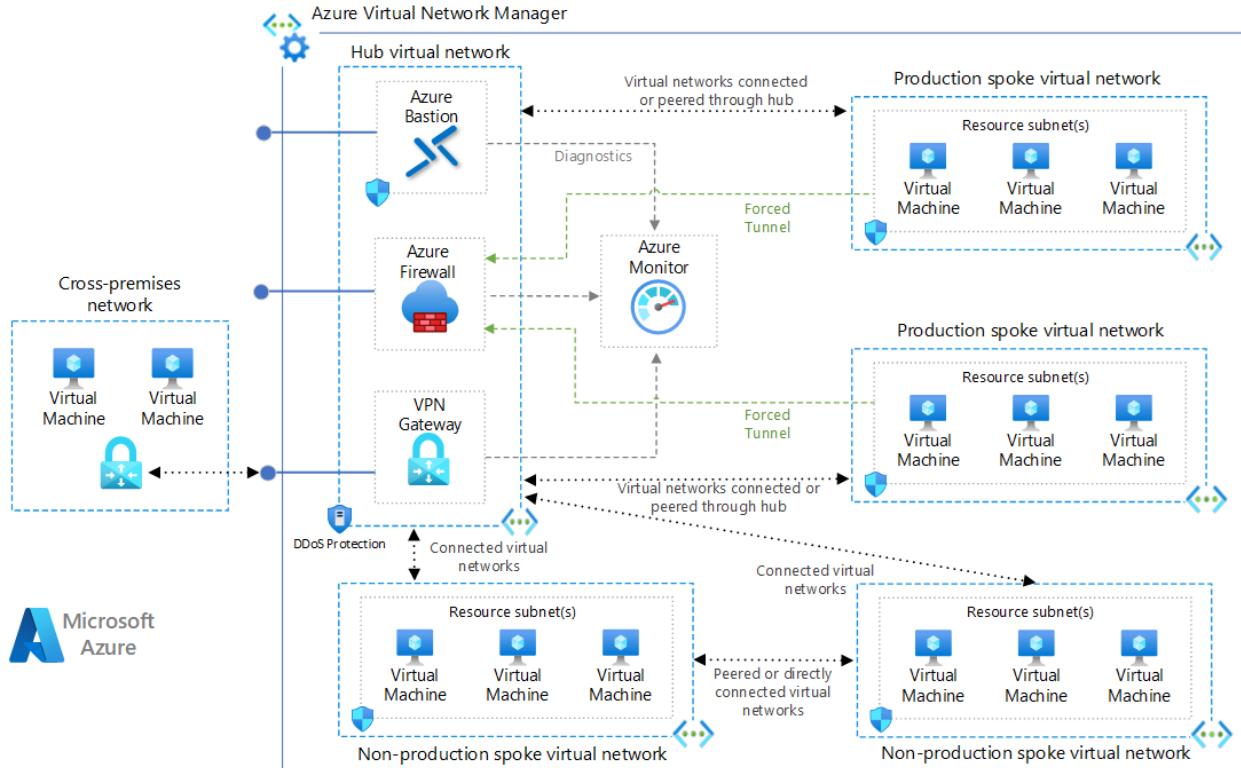


Design and implement a Web Application Firewall (WAF) deployment

- Map requirements to features and capabilities of WAF
- Design a WAF deployment
- Configure detection or prevention mode
- Configure rule sets for WAF on Azure Front Door
- Configure rule sets for WAF on Application Gateway
- Implement a WAF policy
- Associate a WAF policy [also see 1]



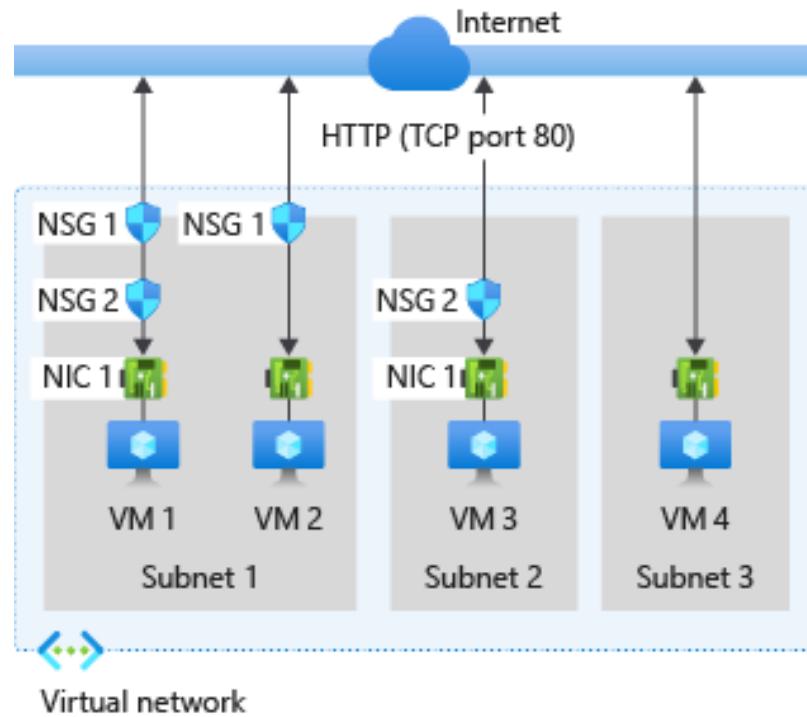
Azure Network Security Groups (NSGs)



<https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/hub-spoke?tabs=cli>



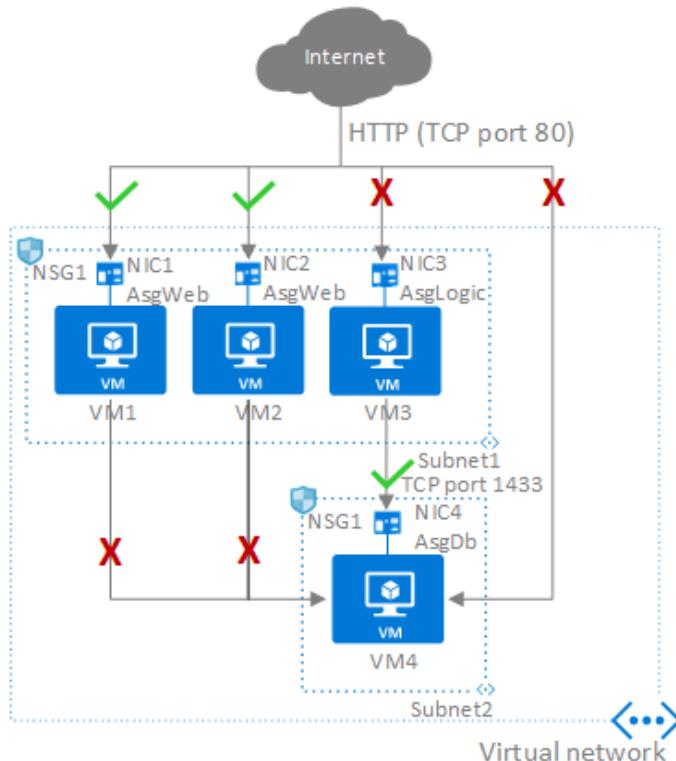
Azure Network Security Groups (NSGs)



<https://learn.microsoft.com/en-us/azure/virtual-network/network-security-group-how-it-works>



Azure Application Security Groups (ASGs)



<https://learn.microsoft.com/en-us/azure/virtual-network/application-security-groups>



Azure Network Security Groups Flow Logs

Network Watcher | NSG flow logs

Microsoft

Search Create NSG Browse Manage view Refresh Export to CSV Open query Assign tags Enable Disable Delete

Filter for any field... Subscription equals Contoso Subscription Resource group equals networkwatcherrg Add filter More (1)

Showing 1 to 2 of 2 records. No grouping List view

Name	Provi...	Resource group	Loca...	Subscription	Status	Target res...	Storage acco...	Traffic a...
nsg01-rg-char...	Succeeded	NetworkWatcherRG	East US	Contoso Subscripti...	Enabled	nsg01	nsgflowlogsn...	nsgflowl...
nsg02-rg-char...	Succeeded	NetworkWatcherRG	East US	Contoso Subscripti...	Enabled	nsg02	nsgflowlogsn...	nsgflowl...

< Previous Page 1 of 1 Next >

Give feedback

The screenshot shows the Azure Network Watcher interface for NSG flow logs. The left sidebar has sections for effective security rules, VPN troubleshoot, packet capture, connection troubleshoot, metrics, usage + quotas, and logs (with NSG flow logs selected). The main area displays a table of flow log records. The table columns are: Name, Provisioning State, Resource group, Location, Subscription, Status, Target resource, Storage account, and Traffic account. Two entries are listed: one for nsg01-rg-char... and one for nsg02-rg-char..., both from the NetworkWatcherRG resource group in East US, under the Contoso Subscription, and both are enabled. The status for both is 'Succeeded'.

<https://learn.microsoft.com/en-us/azure/network-watcher/network-watcher-nsg-flow-logging-overview>



Azure Network Security Groups Flow Logs

Network Watcher - IP flow verify

Microsoft

Search (Ctrl+ /)

Overview

MONITORING

Topology

NETWORK DIAGNOSTIC TOOLS

IP flow verify

Next hop

Security group view

Packet capture

METRICS

Network subscription limit

LOGS

NSG flow logs

Diagnostic logs

Specify a target virtual machine with associated network security groups, then run an inbound or outbound packet to see if access is allowed or denied.

Subscription* ● Microsoft Azure

Resource group* ● FabrikamRG

Virtual machine* ● fabrikmvm1

Network interface* ● fabrikmvm1161

Packet details

Protocol

TCP UDP

Direction

Inbound Outbound

Local IP address* ● 10.1.0.4 Local port* ● 443

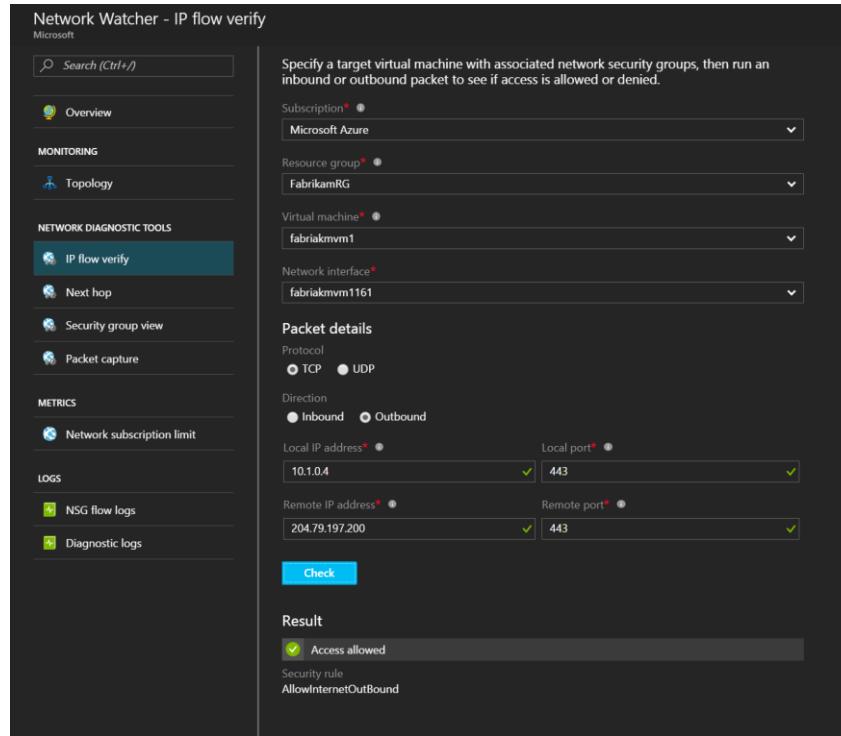
Remote IP address* ● 204.79.197.200 Remote port* ● 443

Check

Result

Access allowed

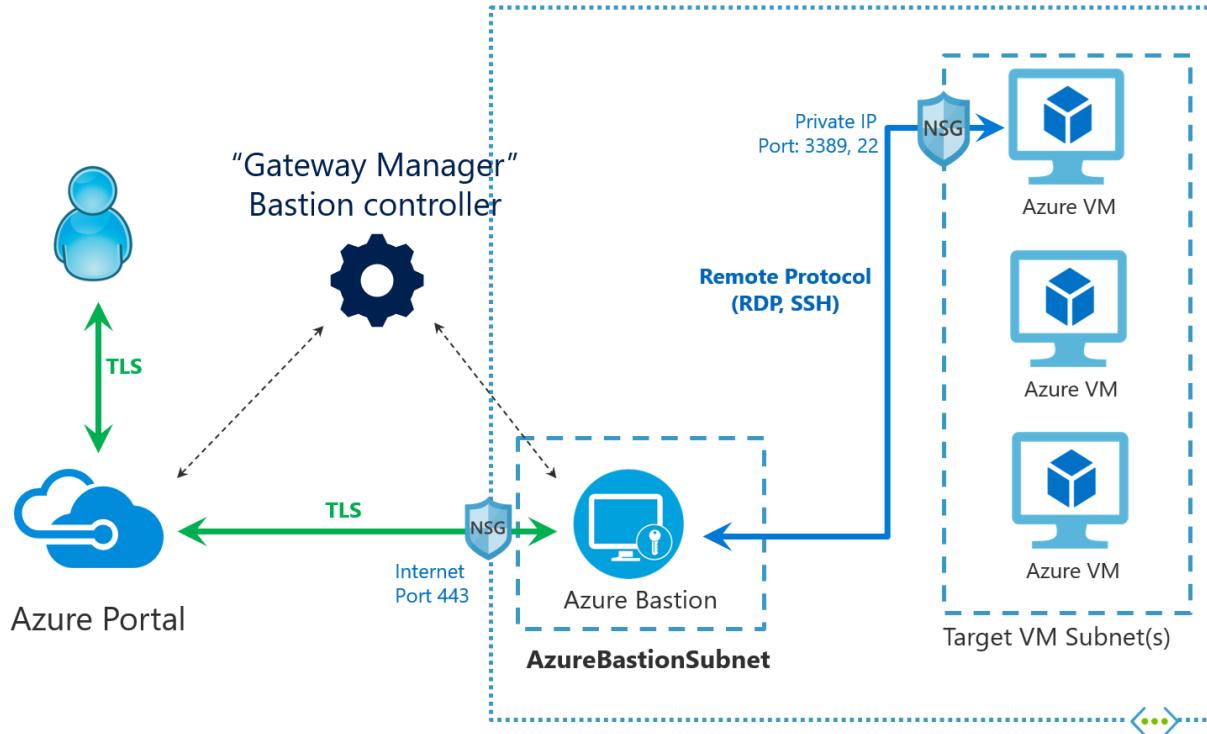
Security rule
AllowInternetOutBound



<https://learn.microsoft.com/en-us/azure/network-watcher/network-watcher-ip-flow-verify-overview>



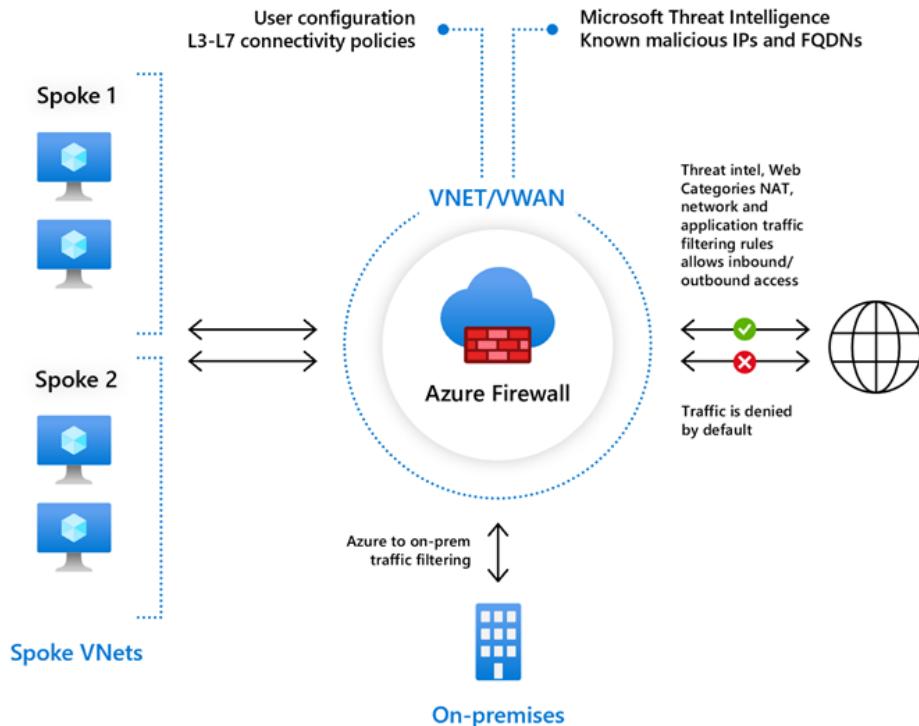
NSG Access and Azure Bastion



<https://learn.microsoft.com/en-us/azure/bastion/bastion-nsg>



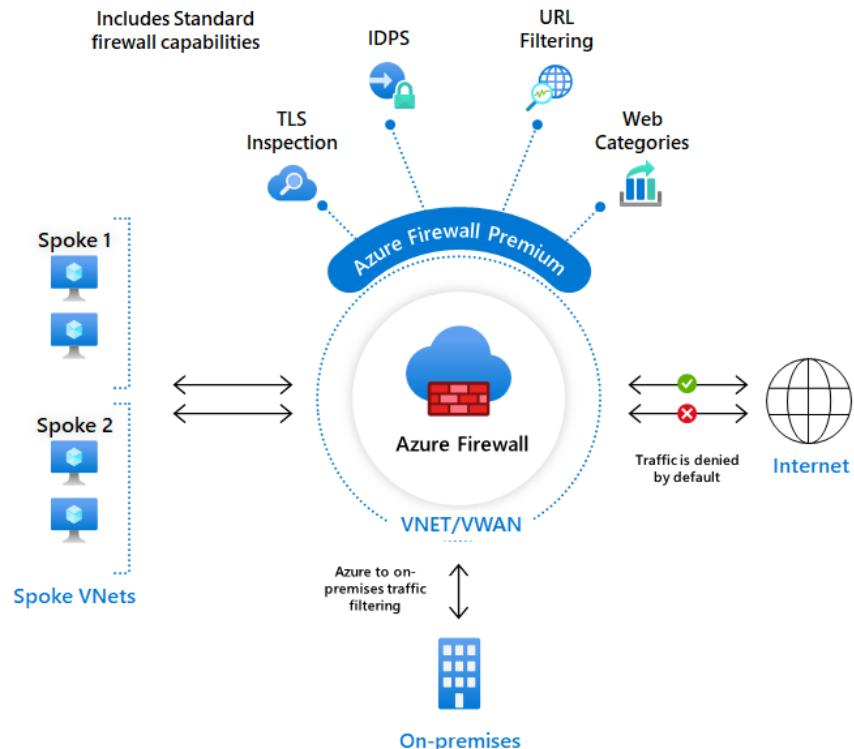
Azure Firewall



<https://learn.microsoft.com/en-us/azure/firewall/overview>



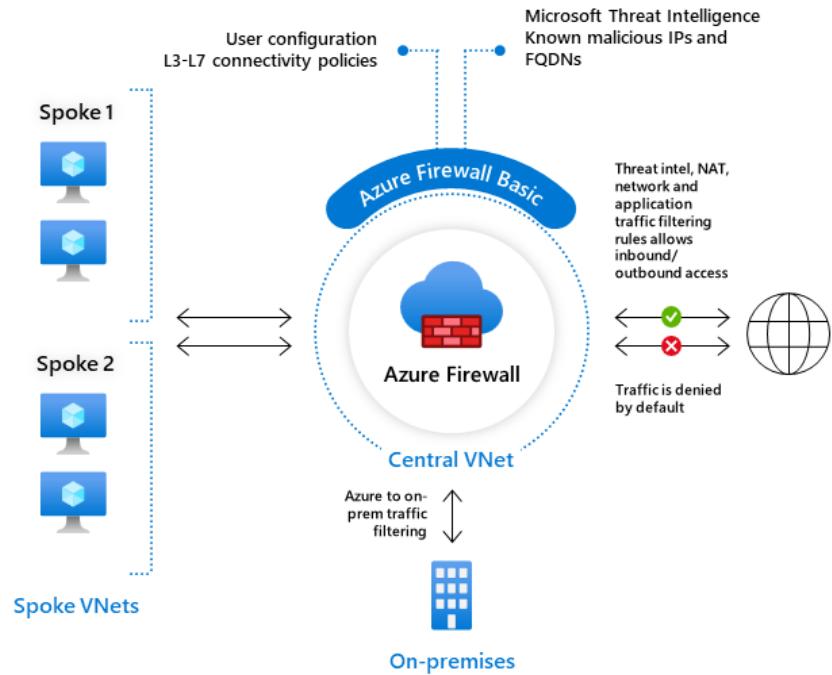
Azure Firewall Premium



<https://learn.microsoft.com/en-us/azure/firewall/overview>



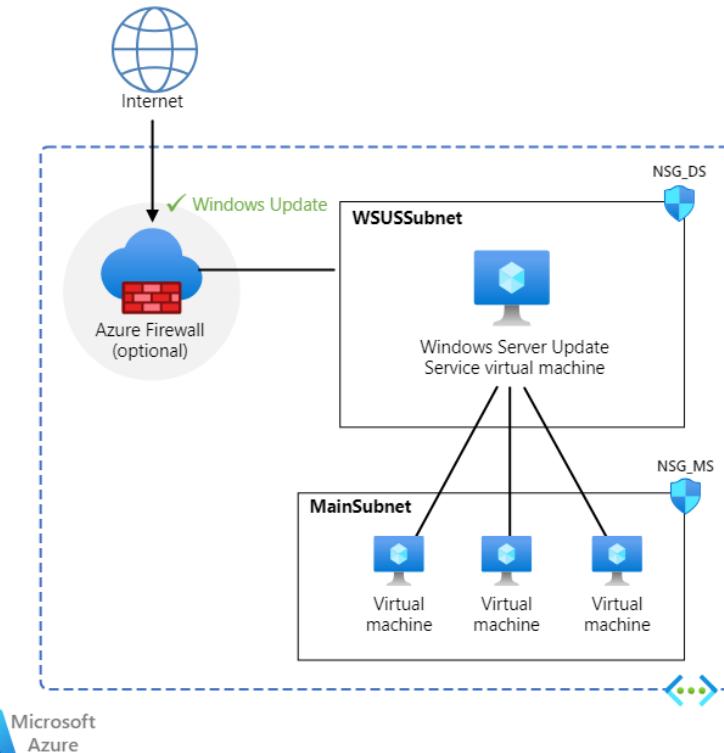
Azure Firewall Basic



<https://learn.microsoft.com/en-us/azure/firewall/overview>



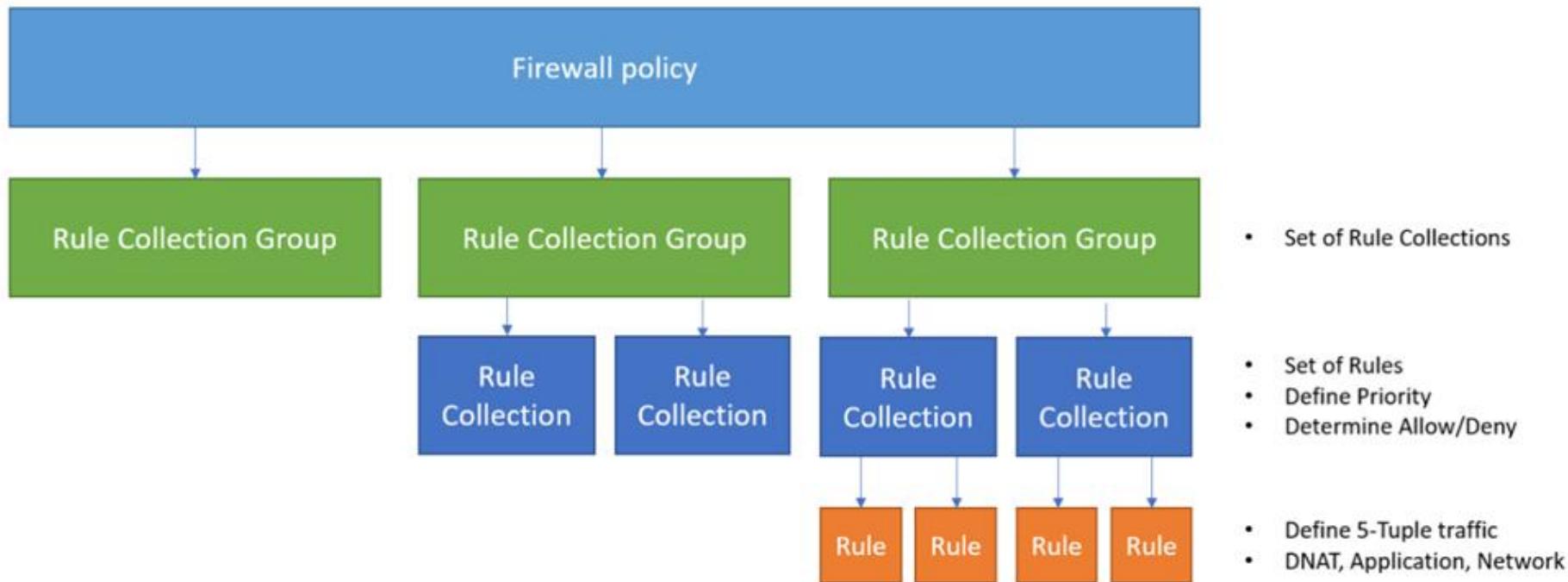
Azure Firewall



<https://learn.microsoft.com/en-us/azure/architecture/example-scenario/wsus/>



Azure Firewall Rules



<https://learn.microsoft.com/en-us/azure/firewall/policy-rule-sets>



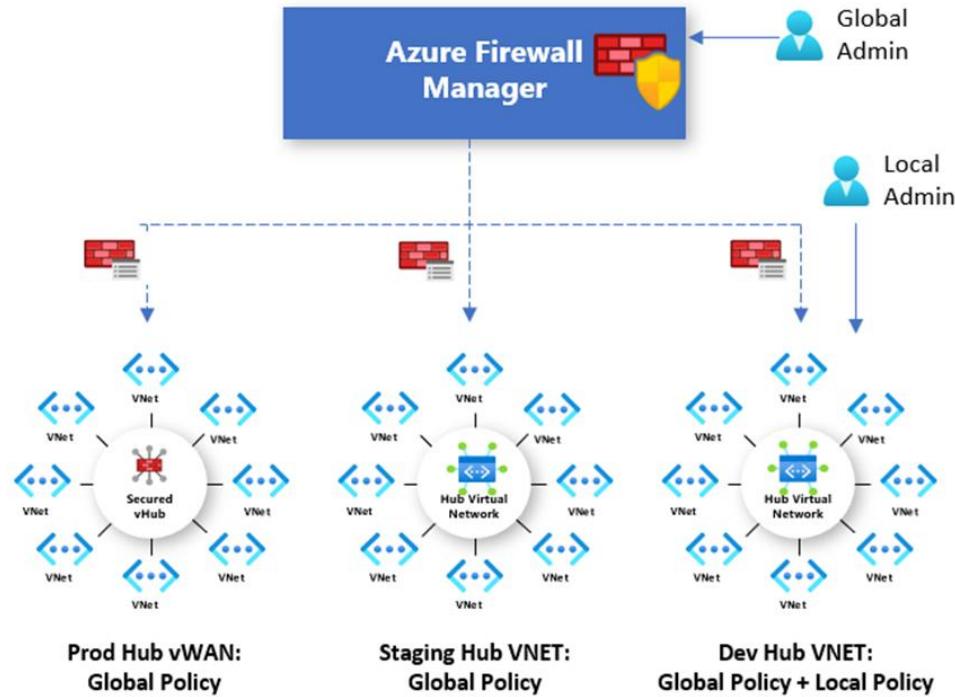
Azure Firewall Rules

- DNAT
- Network
- Application

<https://learn.microsoft.com/en-us/azure/firewall/policy-rule-sets>



Azure Firewall (Manager) Policy



<https://learn.microsoft.com/en-us/azure/firewall-manager/policy-overview>



Azure WAF (Web Application Firewall)



Front Door



Application Gateway

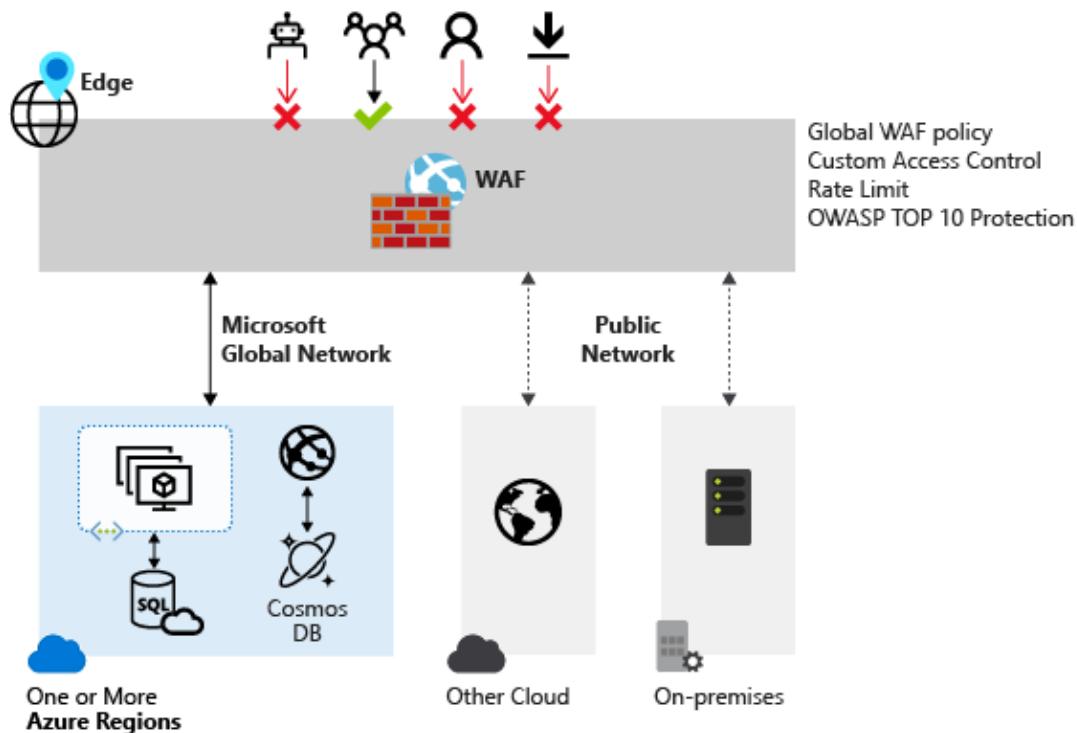


CDN

<https://learn.microsoft.com/en-us/azure/web-application-firewall/overview>



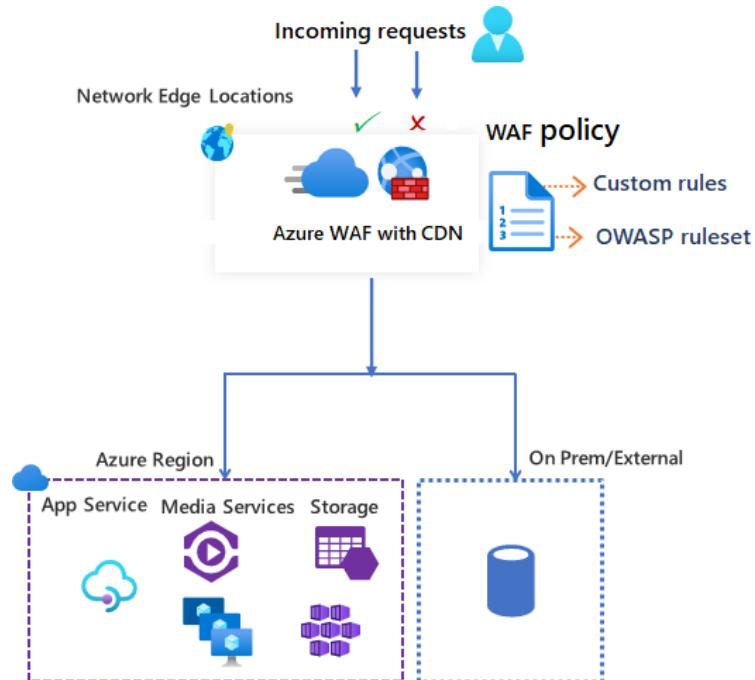
Azure WAF (Azure Front Door)



<https://learn.microsoft.com/en-us/azure/web-application-firewall/afds/afds-overview>



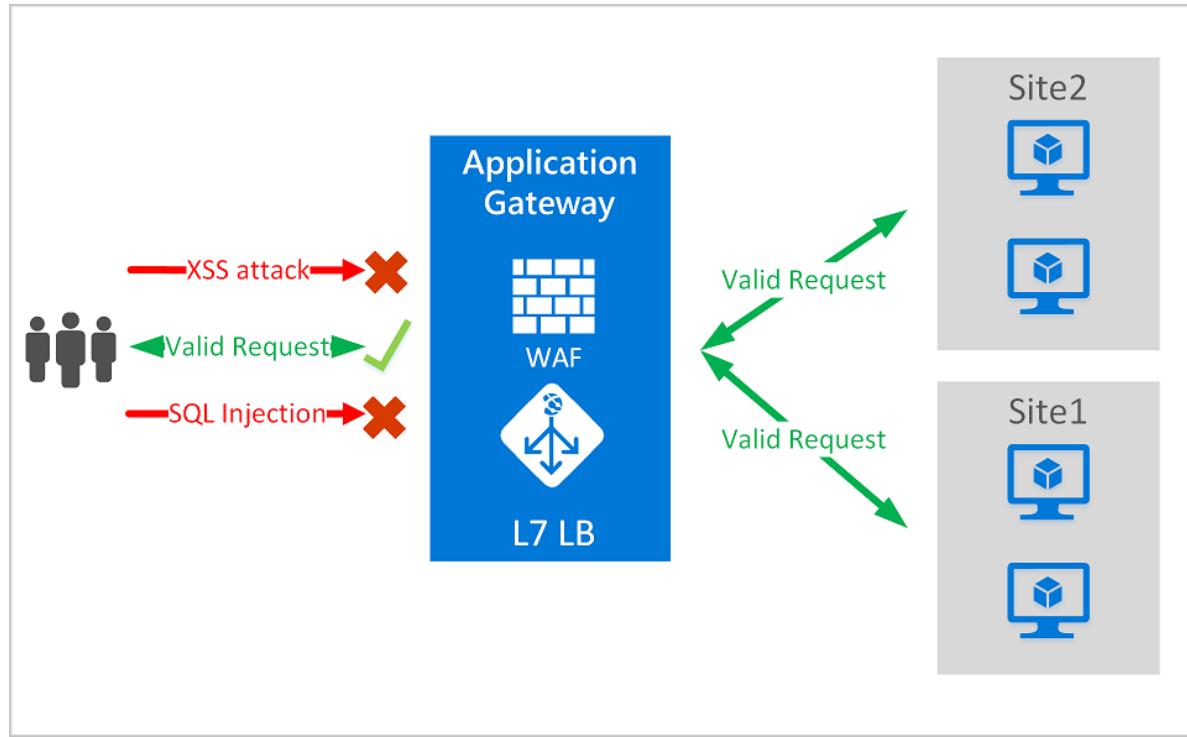
Azure WAF (Azure CDN)



<https://learn.microsoft.com/en-us/azure/web-application-firewall/cdn/cdn-overview>



Azure WAF (Azure Application Gateway)



<https://learn.microsoft.com/en-us/azure/web-application-firewall/ag/ag-overview>



Azure WAF Managed Rules

mywaf | Managed rules

Application Gateway WAF policy

Search (Cmd+ /) Save Discard Refresh

Overview Activity log Access control (IAM) Tags

Settings Policy settings

Managed rules

Custom rules

Associated application gateways

Properties

Locks

Monitoring

Alerts

Automation

Tasks (preview)

Export template

Support + troubleshooting

New Support Request

Managed rule set OWASP_3.2

OWASP_3.2

Expand all Enable Disable

Name	Description	Status
<input type="checkbox"/> General		Enabled
<input type="checkbox"/> > REQUEST-911-METHOD-ENFORCEMENT		Enabled
<input type="checkbox"/> > REQUEST-913-SCANNER-DETECTION		Enabled
<input type="checkbox"/> > REQUEST-920-PROTOCOL-ENFORCEMENT		Enabled
<input type="checkbox"/> > REQUEST-921-PROTOCOL-ATTACK		Enabled
<input type="checkbox"/> > REQUEST-930-APPLICATION-ATTACK-LFI		Enabled
<input type="checkbox"/> 930100	Path Traversal Attack (./.)	Enabled
<input checked="" type="checkbox"/> 930110	Path Traversal Attack (./.)	Enabled
<input checked="" type="checkbox"/> 930120	OS File Access Attempt	Enabled
<input type="checkbox"/> 930130	Restricted File Access Attempt	Enabled
<input type="checkbox"/> > REQUEST-931-APPLICATION-ATTACK-RFI		Enabled
<input type="checkbox"/> > REQUEST-932-APPLICATION-ATTACK-RCE		Enabled
<input type="checkbox"/> > REQUEST-933-APPLICATION-ATTACK-PHP		Enabled
<input type="checkbox"/> > REQUEST-941-APPLICATION-ATTACK-XSS		Enabled
<input type="checkbox"/> > REQUEST-942-APPLICATION-ATTACK-SQLI		Enabled
<input type="checkbox"/> > REQUEST-943-APPLICATION-ATTACK-SESSION-FIXATION		Enabled
<input type="checkbox"/> > REQUEST-944-APPLICATION-ATTACK-JAVA		Enabled
<input type="checkbox"/> > Known-CVEs	This Rule Group contains Rules for new and known CVEs	Enabled

<https://learn.microsoft.com/en-us/azure/web-application-firewall/ag/application-gateway-crs-rulegroups-rules?tabs=owasp32>



Azure WAF Custom Rules

Azure PowerShell

Copy

```
$AllowRule = New-AzApplicationGatewayFirewallCustomRule`  
    -Name example1`  
    -Priority 2`  
    -RuleType MatchRule`  
    -MatchCondition $condition`  
    -Action Allow`  
    -State Enabled`  
  
$BlockRule = New-AzApplicationGatewayFirewallCustomRule`  
    -Name example2`  
    -Priority 2`  
    -RuleType MatchRule`  
    -MatchCondition $condition`  
    -Action Block`  
    -State Enabled`
```

<https://learn.microsoft.com/en-us/azure/web-application-firewall/ag/custom-waf-rules-overview>



Poll: Which Azure service enables you to protect your HTTP application against SQL injection attacks?

1. Azure Firewall
2. NSG
3. Azure DDoS Protection
4. WAF



The Exam





AZ-700 Exam FAQ

- Number of Questions between 40-60 (~45)
- Duration: 120 minutes
- See the exam sandbox
- There ARE hands-on labs
- Passing Score 700 (on a scale of 1-1000)



AZ-700

- [Exam AZ-700: Designing and Implementing Microsoft Azure Networking Solutions](#)
- [Study guide for Exam AZ-700](#)
- [Sample exam sandbox](#)

Schedule exam

Exam AZ-700: Designing and Implementing Microsoft Azure Networking Solutions

Languages: German, English, Spanish, French, Italian, Japanese, Korean, Portuguese (Brazil), Chinese (Simplified), Chinese (Traditional)

Retirement date: none

This exam measures your ability to accomplish the following technical tasks: design and implement core networking infrastructure; design, implement, and manage connectivity services; design and implement application delivery services; design and implement private access to Azure services; and secure network connectivity to Azure resources.

[Schedule exam >](#)

United States

\$165 USD*

Price based on the country or region in which the exam is proctored.

MeasureUp practice test for Designing and Implementing Microsoft Azure Networking Solutions
All objectives of the exam are covered in depth so you'll be ready for any question on the exam.

⊕ Add

Where do you want to take your exam?



At a test center



Online at my home or office

I have a Private Access Code

Prepare for your online exam at your home or office



Your computer

Use a personal computer that has a reliable webcam and internet connection.

Run [system test](#).



Your testing space

The room should be a distraction-free, private place.

See [acceptable spaces](#) and view permitted [comfort aid list](#).



Your photo ID

We'll verify your government-issued identification (ID) when you arrive for your exam.

Review [admission & ID policies](#)



What to expect

Check in for your OnVUE exam 30 minutes before your appointment time.

Watch our [short video](#) to get familiar with the process.

Questions?

Check out the [OnVUE FAQs](#) and [minimum technical requirements](#).

It's time to test your system

Order #: 0064-8802-7606

Your appointment is confirmed! An order confirmation containing important exam day information has been sent to: zaalion@gmail.com

What's next?

[Run a system test](#)

We need to verify that the computer and internet connection you plan to use on exam day meet the [minimum requirements](#) for online testing. It'll just take 5 minutes to run:



Equipment and internet connection checks



Exam simulation

Description

Details

Order Information

Price

165.00



System Test

I confirm that on my exam day I will be using this same testing space, computer, and internet connection.

Alert! Work computers generally have more restrictions that may prevent a successful test. Ensure you are not behind a corporate firewall, and shut down any **Virtual Private Networks (VPNs)** or **Virtual Machines**.

1. Copy Access Code

Click '**Copy Access Code**'.

This code will authorize you to perform a system test.

690-635-235

Copy Access Code

2. Download OnVUE

Click '**Download**'.

Download

3. Run OnVUE

Run the OnVUE application from your Downloads folder.



Course Repository

<https://github.com/zaalion/oreilly-az-700>





Microsoft Azure Fundamentals (AZ-900) Certification Course, 2nd Edition

With your instructor

[Reza Salehi](#)

[+ Add to playlist](#)

Associated roles

[Cloud native engineer](#)

[Cloud solutions architect](#)

[Cybersecurity engineer](#)

[Database administrator](#)

[+1 more](#)

Skills covered

[AZ-900: Microsoft Azure Fundamentals](#)

[AZ-303: Microsoft Azure Architect...](#)

[AZ-500: Microsoft Azure Security...](#)

[AI-900: Microsoft Azure AI Fundamentals](#)

Includes quizzes

Test your knowledge during the course and with a final quiz.

October 2024

O'Reilly Media, Inc.

Continue

4h 55m remaining

Learning Outcomes

- Gain knowledge of Azure cloud concepts and services
- Explore Azure services in greater depth
- Get ready for Exam AZ-900: Microsoft Azure Fundamentals
- Comfortably work with the Azure portal

The Microsoft Azure Fundamentals (AZ-900) exam is one of the most popular certifications for those who are just beginning to work with cloud-based solutions and services or who are new to Azure. The exam certifies knowledge of cloud concepts, Azure services, workloads, security and privacy, and pricing and support.

In this self-paced course, Reza Salehi will help you get familiar with Microsoft Azure's cloud services and begin your Azure certification journey. This course is aligned to the AZ-900 exam objective domains and has recently been updated to reflect the most current version of the exam (2024). It covers all the services and concepts in the Azure ecosystem you need to know in order to prepare for the test.

What you'll learn and how to apply it

By the end of this certification course, you will understand the following:

- General cloud concepts
- Core Azure services
- Core solutions and management tools on Azure
- General security and network security features
- Identity, governance, privacy, and compliance features
- Azure cost management and service-level agreements

Azure Cookbook

<https://learning.oreilly.com/library/view/azure-cookbook/9781098135782/>

<https://www.amazon.ca/Azure-Cookbook-Recipes-Maintain-Solutions/dp/1098135792/>

<https://www.amazon.com/Azure-Cookbook-Recipes-Maintain-Solutions/dp/1098135792>

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Azure Cookbook

Recipes to Create and Maintain Cloud Solutions
in Azure



Reza Salehi

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