

VIRTUAL PRIVATE NETWORK

We created a **VPN using a Hub-and-Spoke architecture** in Azure.

- In the **Hub VNet**, we configured the **VPN Gateway**.
- In the **Spoke VNet** (where the application server is located), we **peered it with the Hub VNet**.

Our **database is in AWS** (in a VPC).

The Azure App Server (private IP) and AWS DB (private IP) must **communicate privately** even though they are in different cloud data centres.

To achieve this, we use a **VPN connection** between Azure and AWS.

In AWS, we also created a **Virtual Private Gateway (VPG)**.

The traffic flows over the **internet**, but through a **secure encrypted tunnel**.

Three Main Ways to Connect (Azure)

1. Site-to-Site VPN

- This connects **two networks** (Azure VNet ↔ AWS VPC).
- Traffic travels through a **private VPN tunnel**.
- All data is **encrypted and decrypted** over the internet.

2. Point-to-Site VPN

- Used by **individual users**, like Work-From-Home employees.
- They connect to the VPN **on demand**, and disconnect after work.
- This is not used between clouds, but to connect laptops to the cloud.

3. ExpressRoute

- This is a **dedicated private physical connection** (e.g., Hyderabad to Chennai).
- Cloud providers use **partner networks** like Jio, Airtel, Nokia, BSNL to provide it.
- This avoids the public internet and gives higher reliability, but is expensive.

Azure VM ↔ AWS VM Private Communication

Even though the Azure VM and AWS VM are in **different clouds**, we make them communicate privately by:

VIRTUAL PRIVATE NETWORK

In AWS

- Create **VPC**
- Create **subnets**
- Create **Internet Gateway** (if needed for outbound access)
- Create **Route Table**
- Create **Security Groups**
- Launch **EC2 instance**
- Create **AWS VPN Gateway (VPG)**

In Azure

- Create **Hub and Spoke VNets**
- Create **VPN Gateway in Hub**
- Peer **Hub ↔ Spoke**
- App VM lives in Spoke
- Use **Bastion** to log into the Azure VM securely

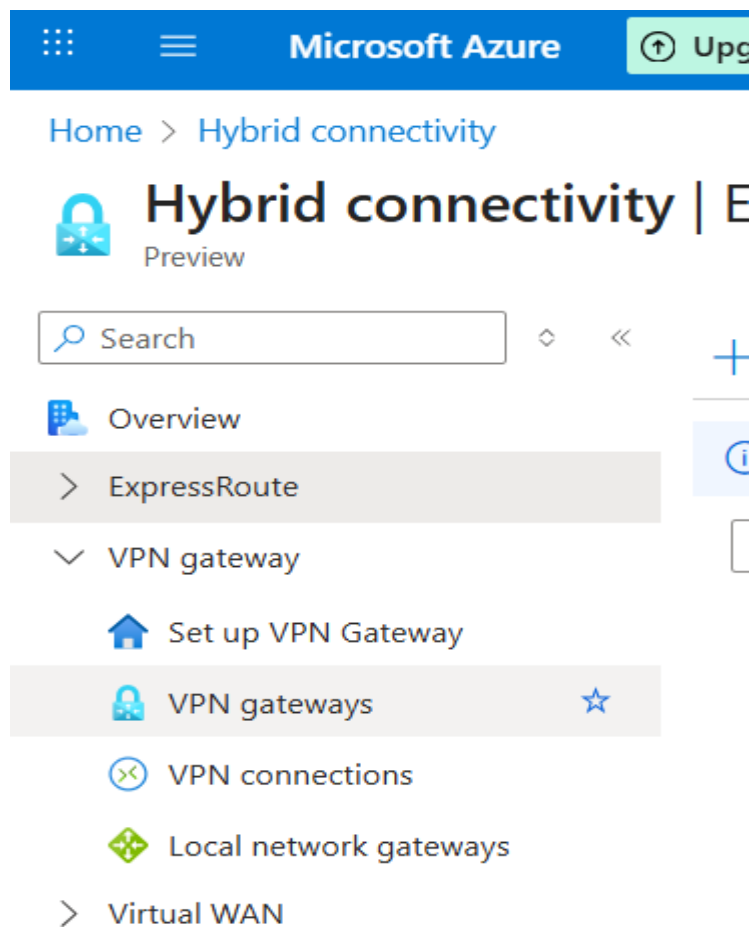
The VPN gateways in Azure and AWS establish a **site-to-site connection**, allowing **private IP-to-private IP** communication.

Enable the option in peering :

Enable the “**Allow gateway or route server to forward traffic**” option on the VNET peering between VNET01 (Hub/VPN VNet) and VNET02 (App Server VNet) to ensure proper traffic flow between the Azure VPN gateway and the application servers.

Create RG and VPN Gateway, you create a special subnet called vpnSubnet

Create a VPN



VIRTUAL PRIVATE NETWORK

Basics Tags Review + create

Azure has provided a planning and design guide to help you configure the various VPN gateway options. [Learn more](#)

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * Azure subscription 1

Resource group rg01 (derived from virtual network's resource group)

Instance details

Name * VPN

Region * West US

Gateway type * VPN ExpressRoute

SKU * VpnGw1AZ

Generation 1

Review + create Previous Next : Tags > Download a template for automation

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Home > Hybrid connectivity | VPN gateways >

Create virtual network gateway

Virtual network * vnet01

Create virtual network

Subnet GatewaySubnet (10.0.1.0/24)

Only virtual networks in the currently selected subscription and region are listed.

Public IP address

Public IP address * Create new Use existing

Public IP address name * VPNPIP

Public IP address SKU Standard

Assignment Dynamic Static

Enable active-active mode * Enabled Disabled

Configure BGP * Enabled Disabled

Authentication Information (Preview)

Enable Key Vault Access Enabled Disabled

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Microsoft Azure Upgrade Search resources, services, and docs (G+/J) Copilot patalelaasyapriya@gmail... DEFAULT DIRECTORY (PATALELA...

Home >

Microsoft.VirtualNetworkGateway-20251125230902 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Your deployment is complete

Deployment name : Microsoft.VirtualNetworkGateway-20251125230902 Start time : 11/25/2025, 11:15:13 PM
Subscription : Azure subscription 1 Correlation ID : 8d71f3f0-3bc7-4d8b-92bb-e6ddc5f46b3d
Resource group : rg01

Deployment details

Next steps

Go to resource

Give feedback

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AWS Setup — Short Steps (for example)

1. Create VPC

- Go to **VPC** → **Your VPCs** → **Create VPC**
- Give name → Add CIDR (example: 10.0.0.0/16) → Create.

2. Create Subnets

- Go to **Subnets** → **Create subnet**
- Choose the VPC
- Create:

3. Create Internet Gateway (IGW)

- Go to **Internet Gateways** → **Create**
- Attach it to the VPC.

4. Create Route Tables

- Add route: 0.0.0.0/0 → Target: IGW

5. Create Security Groups

- Go to **Security Groups** → **Create**
- Add inbound rules (example: SSH 22 from your IP, HTTP 80 if needed).

6. Launch EC2 Instance

- Go to **EC2** → **Launch Instance**
- Select VPC + public subnet
- Enable public IP
- Choose key pair
- Select security group
- Launch.

7. Create AWS VPN Gateway (VGW)

- Go to **Site-to-Site VPN** → **Virtual Private Gateways** → **Create**
- Attach to VPC
- Create **Customer Gateway** (use Azure VPN public IP)
- Create **VPN Connection** (VGW ↔ Customer Gateway)

8. Add VPN Route

- In **private route table**, add:
 - Destination = Azure network CIDR

VIRTUAL PRIVATE NETWORK

VPC > Your VPCs

VPC dashboard

AWS Global View

Filter by VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Route servers

Security

Your VPCs

VPCs | VPC encryption controls - new

Last updated less than a minute ago

Actions

Create VPC

Find VPCs by attribute or tag

Name	VPC ID	State	Encryption c...	Encryption control ...	Block Public...	IPv
vpcgw	vpc-0bf58600d1218c632	Available	-	-	Off	172

vpc-0bf58600d1218c632 / vpcgw

Details | Resource map | CIDRs | Flow logs | Tags | Integrations

Details

VPC ID

vpc-0bf58600d1218c632

DNS resolution

Enabled

Main network ACL

State

Available

Tenancy

default

Default VPC

Block Public Access

Off

DHCP option set

dopt-0ff69eaec2d4289a

IPv4 CIDR

DNS hostnames

Disabled

Main route table

rtb-0b62cd2f6ef97519d

IPv6 pool

CloudShell

Feedback

Console Mobile App

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Search

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United States (N. Virginia)

Account ID: 7965-8619-0907

venkata Umamaheswari

VPC > Subnets

VPC dashboard

AWS Global View

Filter by VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Route servers

Security

Subnets (1) Info

Last updated less than a minute ago

Actions

Create subnet

Find subnets by attribute or tag

Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR
sb	subnet-0e4645b3fd8026ed5	Available	vpc-0bf58600d1218c632 vpcgw	Off	172.16.1.0/24

Select a subnet

VPC > Internet gateways

VPC dashboard

AWS Global View

Filter by VPC

Virtual private cloud

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Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Route servers

Security

Internet gateways (1) Info

Last updated less than a minute ago

Actions

Create internet gateway

Find internet gateways by attribute or tag

Name	Internet gateway ID	State	VPC ID	Owner
igw	igw-0881d12e3619f8b9d	Attached	vpc-0bf58600d1218c632 vpcgw	796586190907

Select an internet gateway above

VPC > Route tables
Last updated 1 minute ago
Actions
Create route table

Route tables (1) Info

Find route tables by attribute or tag

vpc-0bf58600d1218c632 Clear filters

Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC
rt	rtb-0b62cd2f6ef97519d	-	-	Yes	vpc-0bf58600d1218c632 vpcgw-

Select a route table

rtb-0b62cd2f6ef97519d / rt

Details Info
 Route table ID
 rtb-0b62cd2f6ef97519d

 VPC
 vpc-0bf58600d1218c632 | vpcgw-

Main
 Yes

 Owner ID
 796586190907

Explicit subnet associations
 -

Edge associations
 -

[Routes](#)
[Subnet associations](#)
[Edge associations](#)
[Route propagation](#)
[Tags](#)

Routes (3)

Filter routes

Destination	Target	Status	Propagated	Route Origin
0.0.0.0/0	igw-0881d12e3619f8b9d	Active	No	Create Route
10.0.0.0/16	vgw-08b559b324ab31be9	Active	No	Create Route
172.16.0.0/16	local	Active	No	Create Route Table

aws

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United States (N. Virginia)

Account ID: 7965-8619-0907

venkata Umamaheswar

EC2 > Instances

Instances (1) Info

Find Instance by attribute or tag (case-sensitive)

All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4
vm	i-0657d1c1c9fd1a41c	Running	t3.micro	3/3 checks passed	View alarms +	us-east-1a	-

Select an instance

EC2
 Dashboard
 EC2 Global View
 Events

Instances
[Instances](#)
 Instance Types
 Launch Templates
 Spot Requests
 Savings Plans
 Reserved Instances
 Dedicated Hosts
 Capacity Reservations
 Capacity Manager New

Images
 AMIs
 AMI Catalog

Elastic Block Store

VIRTUAL PRIVATE NETWORK

EC2 Instance Connect | Session Manager | SSH client | EC2 serial console

Instance ID
i-0657d1c1c9fd1a41c (vm)

Connection type

☒ Connect using a Public IP
Connect using a public IPv4 or IPv6 address

☐ Connect using a Private IP
Connect using a private IP address and a VPC endpoint

☒ Public IPv4 address
3.95.247.210

☐ IPv6 address
--

Username

Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.

Q ubuntu X

Note: In most cases, the default username, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel

Connect

aws Search [Alt+S] United States (N. Virginia) Account ID: 7 venk

```
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-1015-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/pro

System information as of Tue Nov 25 18:33:13 UTC 2025

System load:  0.1          Temperature:   -273.1 C
Usage of /:   34.6% of 6.71GB Processes:    112
Memory usage: 28%         Users logged in: 0
Swap usage:   0%          IPv4 address for ens5: 172.16.1.116

Expanded Security Maintenance for Applications is not enabled.

17 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

*** System restart required ***
Last login: Mon Nov 24 06:01:00 2025 from 18.206.107.29
ubuntu@ip-172-16-1-116:~$
```

i-0657d1c1c9fd1a41c (vm)

PublicIPs: 3.95.247.210 PrivateIPs: 172.16.1.116

VIRTUAL PRIVATE NETWORK

The top screenshot shows the AWS Management Console for 'Virtual private gateways'. The left sidebar lists various network resources. The main content area shows a table of virtual private gateways. One gateway, 'vpn', is listed with ID 'vgw-08b559b324ab31be9', state 'Available', and VPC attachment state 'Attached'. Below the table, there is a section to 'Select a virtual private gateway'.

The bottom screenshot shows the details of the 'vpn' gateway. The 'Details' tab is active, displaying the following information:

Details	State	Type	VPC
Virtual private gateway ID vgw-08b559b324ab31be9	Available	ipsec.1	vpc-0bf58600d1218c632 vpcgw
Amazon ASN 64512	VPC attachment state Attached		

In Resource Group 2

- You created another **VNet**
- Inside that VNet you created a **Virtual Machine**

This VNet is your **SPOKE** (your application server lives here).

Next Step: VNet Peering

You connected the two VNets (HUB ↔ SPOKE) using **VNet peering**.

While creating the peering, you enabled this important option:

“Allow gateway or route server in ‘VNET01’ to forward traffic to ‘VNET02’ ”

This allows the VM in the SPOKE VNet to use the **VPN Gateway** created in the HUB VNet.

VIRTUAL PRIVATE NETWORK

Microsoft Azure

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DEFAULT DIRECTORY (PATALELA...

Home >

Resource groups

How to manage changes with deployment tools? Summarize my costs by service Export resource groups using Bicep or Terraform

Default Directory (patalelaasyapriya@gmail.onmicrosoft.com)

Create Manage view Refresh Export to CSV Open query Assign tags Add to service group Group by none

You are viewing a new version of Browse experience. Click here to access the old experience.

Filter for any field... Subscription equals all Location equals all Add filter

<input type="checkbox"/>	Name ↑	Subscription	Location
<input type="checkbox"/>	NetworkWatcherRG	Azure subscription 1	East US 2
<input type="checkbox"/>	rg01	Azure subscription 1	West US
<input type="checkbox"/>	RG02	Azure subscription 1	West US

Showing 1 - 3 of 3. Display count: auto

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Upgrade

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Copilot

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DEFAULT DIRECTORY (PATALELA...

Home > Resource groups >

Create a resource group

Basics Tags Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

Subscription * Azure subscription 1

Resource group name * RG02

Region * (US) West US

Previous Next Review + create

VIRTUAL PRIVATE NETWORK

[Home](#) > [Network foundation](#) | [Virtual networks](#) >

Create virtual network



Basics Security **IP addresses** Tags Review + create

☐ Allocate using IP address pools. [Learn more](#)

+ Add a subnet

192.168.0.0/16

Delete address space

192.168.0.0/16

/16

192.168.0.0 - 192.168.255.255 65,536 addresses

Subnets	IP address range	Size	NAT gateway
default	192.168.0.0 - 192.168.0.255	/24 (256 addresses)	-

Add IPv4 address space

[Previous](#) [Next](#) [Review + create](#)

[Give feedback](#)

aws

Search

[Alt+S]

United States (N. Virginia)

Account ID: 7965-8619-0907

venkata Umamaheswari

[VPC](#) > [Customer gateways](#) > Create customer gateway

Create customer gateway

A customer gateway is a resource that you create in AWS that represents the customer gateway device in your on-premises network.

Details

Name tag - optional

Creates a tag with a key of 'Name' and a value that you specify.

customergateway2

Value must be 256 characters or less in length.

BGP ASN

[Info](#)

The ASN of your customer gateway device.

65000

Value must be in 1 - 4294967294 range.

IP address

[Info](#)

Specify the IP address for your customer gateway device's external interface.

13.93.148.105

Certificate ARN - optional

The ARN of a private certificate provisioned in AWS Certificate Manager (ACM).

Select certificate ARN

Device - optional

Enter a name for the customer gateway device.

Enter device name

[CloudShell](#) [Feedback](#) [Console Mobile App](#)

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VIRTUAL PRIVATE NETWORK

Create Customer Gateway

- Go to **VPC → Customer Gateway → Create**
- Enter:
 - Name: Azure-CGW
 - IP Address: **Azure VPN Gateway private IP**
- Create.

Download the customer gateway configuration → This file contains the Pre-Shared Key (PSK).

Create Local Network Gateway

- Go to Local Network Gateway → Create
- Enter:
 - Name: AWS-LNG
 - Address space: (from the downloaded file)
- Create.

Create VPN Connection

- Go to VPN Gateway → Connections → Add
- Choose:
 - Type: Site-to-site
 - Local network gateway: AWS-LNG
 - Shared key: Paste PSK from AWS file
- Create.

Test

- Go to your AWS EC2 terminal.
- Run:
`ping <Azure_VM_Private_IP>`
If you get replies → VPN working.

VIRTUAL PRIVATE NETWORK

Account ID: 7965-8619-0907
venkata Umamaheswari

VPC > Customer gateways

You successfully created cgw-06eb48feff68960c7 / customergateway2.

Customer gateways (1/2) Info

Find resource by attribute or tag

Name	Customer gateway ID	State	BGP ASN	IP address	Type
customergateway2	cgw-06eb48feff68960c7	Available	65000	13.93.148.105	ipsec.1
azurevpnip	cgw-0538e1c1787c212a5	Available	65000	20.253.196.163	ipsec.1

Customer gateway cgw-06eb48feff68960c7 / customergateway2

Details Tags

Details

Customer gateway ID cgw-06eb48feff68960c7	State Available	Type ipsec.1	IP address 13.93.148.105
BGP ASN 65000	Certificate ARN -	Device -	

CloudShell Feedback Console Mobile App

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Microsoft Azure Upgrade Search resources, services, and docs (G+)

Home >

Virtual machine

Help me copy this VM in any region Manage this VM with Azure CLI

Standard HDD OS disks will be retired on September 8, 2028. →

Help me copy this VM in any region

Connect Start Restart Stop Hibernate Capture Delete Refresh Scale Open in mobile Feedback CLI / PS

DNS name : Not configured
Health state : -
Time created : 11/25/2025, 6:57 PM UTC

Tags (edit) : Add tags

Properties Monitoring Capabilities (7) Recommendations Tutorials

Virtual machine

Computer name	VMO1
Operating system	Linux (ubuntu 24.04)
VM generation	V2
VM architecture	x64
Agent status	Ready
Agent version	2.15.0.1
Hibernation	Disabled
Host group	-

Networking

Public IP address	172.185.13.82 (Network interface vmo1170)
	1 associated public IPs
Public IP address (IPv6)	-
Private IP address	192.168.1.4
Private IP address (IPv6)	-
Virtual network/subnet	VNET02/snet-westus-1
DNS name	Configure

aws Search [Alt+S]

United States (N. Virginia) Account ID: 7965-8619-0907
venkata Umamaheswari

VPC > Route tables > rtb-0b62cd2f6ef97519d > Edit routes

Edit routes

Destination	Target	Status	Propagated	Route Origin
172.16.0.0/16	local	Active	No	CreateRouteTable
0.0.0.0/0	Internet Gateway	Active	No	CreateRoute
192.168.0.0/16	Virtual Private Gateway	-	No	CreateRoute

Add route

Cancel Preview Save changes

VIRTUAL PRIVATE NETWORK

The screenshot shows the Azure portal interface. At the top, there's a navigation bar with the account ID '7965-8619-0907' and the user 'venkata Umamahesw'. Below the navigation bar, the 'VPN connections (1/2)' page is visible. A table lists two VPN connections: 'vpn01' with ID 'vpn-0ab1fb3697c29b5cc' and 'awstoazure' with ID 'vpn-0971962'. A 'Download configuration' dialog box is open in the foreground, prompting the user to download a sample configuration based on the selected customer gateway. The dialog includes dropdown menus for 'Vendor' (set to Checkpoint), 'Platform' (set to Gaia), 'Software' (set to R77.10+), and 'IKE version' (set to ikev1). There is also a checkbox for 'Include sample type - optional' which is currently unchecked. The dialog has 'Cancel' and 'Download' buttons at the bottom right.

```
!
tunnel-group 34.234.46.126 type ipsec-l2l
tunnel-group 34.234.46.126 ipsec-attributes
pre-shared-key UPo9B.Q5hE1.rmDVfUy_B2dJ1lDOON4z
!
! This option enables IPsec Dead Peer Detection, which causes semi-periodic
! messages to be sent to ensure a Security Association remains operational.
!
isakmp keepalive threshold 10 retry 10
exit
```

[Home](#) > [Hybrid connectivity](#) | [Local network gateways](#) >

Create local network gateway

A local network gateway is a specific object that represents an on-premises router (or any) for routing purposes. [Learn more](#)

Project details

Subscription *

Resource group * [Create new](#)

Instance details

Region *

Name *

Endpoint ⓘ ☒ ☐

IP address * ⓘ

Address Space(s) ⓘ

VIRTUAL PRIVATE NETWORK

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information. The main content area is titled "Hybrid connectivity | VPN gateways" and shows a list of VPN gateways. The selected gateway is "VPN", and its details are displayed on the right. The details include the resource group "rg01", location "West US", subscription ID "229e0bc6-e088-41a7-aa63-6b389ce27bf5", and virtual network "vnet01". The gateway type is "VPN" and the VPN type is "Route-based". The public IP address is "13.93.148.105 (VPNPIP)". The page also includes a "Health check" section and "Advisor Recommendations".

The screenshot shows the "Create connection" page in the Microsoft Azure portal. The page is titled "Create connection" and has tabs for "Basics", "Settings", "Tags", and "Review + create". The "Basics" tab is selected. The page contains a form for creating a new connection. The form includes fields for "Subscription" (set to "Azure subscription 1"), "Resource group" (set to "rg01"), "Connection type" (set to "Site-to-site (IPsec)"), "Name" (set to "Site-to-site (IPsec)"), and "Region" (set to "ExpressRoute"). The page also includes a "Previous" button and a "Next: Settings >" button.

```
exit
!
tunnel-group 34.234.46.126 type ipsec-l2l
tunnel-group 34.234.46.126 ipsec-attributes
pre-shared-key UPo9B.Q5hE1.rmDVfUy_B2dJ1lDOON4Z
!
```

VIRTUAL PRIVATE NETWORK

Home > Hybrid connectivity | VPN gateways > VPN | Connections >

Create connection ...

Basics **Settings** Tags Review + create

Virtual network gateway

To use a virtual network with a connection, it must be associated to a virtual network gateway.

Virtual network gateway *	VPN
Local network gateway *	localnetworkgateway
Authentication Method	<input checked="" type="radio"/> Shared Key(PSK) <input type="radio"/> Key Vault Certificate (Preview)
Shared Key(PSK) *
IKE Protocol	<input type="radio"/> IKEv1 <input checked="" type="radio"/> IKEv2
Use Azure Private IP Address	<input type="checkbox"/>
Enable BGP	<input type="checkbox"/>
IPsec / IKE policy	Default Custom
Use policy based traffic selector	Enable Disable
DPD timeout in seconds *	45

Previous

Next : Tags >

Preview

Search

+ Create Manage view Refresh Export to CSV Open query Assign tags Add to service group

Overview

Virtual network

Virtual Network overview

Virtual networks

NAT gateways

Public IP addresses

Network interfaces

Network security groups

Application security groups

Bastions

Route tables

Route servers

Private Link

DNS

Monitoring and management

Filter for any field...

Subscription equals all Resource Group equals all Location equals all Add filter

	Name	Resource Group	Location	Subscription
<input type="checkbox"/>	vnet01	...	West US	Azure subscription 1
<input type="checkbox"/>	vnet01	...	West US	Azure subscription 1
<input type="checkbox"/>	VNET02	...	West US	Azure subscription 1

Home > Network foundation | Virtual networks > vnet01

Network foundation | Virtual networks

Preview

Search

+ Create Manage view

Overview

Virtual network

Virtual Network overview

Virtual networks

NAT gateways

Public IP addresses

Network interfaces

Network security groups

Application security groups

Bastions

Route tables

Route servers

Private Link

DNS

Monitoring and management

Name

vnet01

VNET02

Showing 1 - 2 of 2. Display count: auto

vnet01 | Peering

Virtual network

Search

+ Add Refresh Export to CSV Delete Sync

Resource visualizer

Settings

Address space

Connected devices

Subnets

Bastion

DDoS protection

Firewall

Microsoft Defender for Cloud

Network manager

DNS

Peering

Service endpoints

Private endpoints

Properties

Virtual network peering enables you to seamlessly connect two or more virtual networks in Azure. The virtual networks appear as one for connectivity purposes. [Learn more](#)

Filter by name...

Showing all 0 items

Name	Peering s...	Peeri...	Remo...	Virtu...	Cross-tenant
------	--------------	----------	---------	----------	--------------

Add a peering to get started

Give feedback

https://portal.azure.com/?hl=en-en-us#patalelaasyapriya@gmail.com/resource/subscriptions/229e0bd5-e088-41a7-aa63-6b389ce27b15/resourceGroups/rg01/providers/Microsoft.Network/virtualNetworks/vnet01/networkManager

VIRTUAL PRIVATE NETWORK

Home > Network foundation | Virtual networks > vnet01 | Peerings >

Add peering ...

vnet01

Enable 'VNET02' to use 'vnet01's' remote gateway or route server ☐

Local virtual network summary

Peering link name *

Local virtual network peering settings

Allow 'vnet01' to access 'VNET02' ☒

Allow 'vnet01' to receive forwarded traffic from 'VNET02' ☐

Allow gateway or route server in 'vnet01' to forward traffic to 'VNET02' ☒

Enable 'vnet01' to use 'VNET02's' remote gateway or route server ☐



Home > Network foundation | Virtual networks > vnet01 | Peerings >

Add peering ...

vnet01

Enable 'VNET02' to use 'vnet01's' remote gateway or route server ☐

Local virtual network summary

Peering link name *

Local virtual network peering settings

Allow 'vnet01' to access 'VNET02' ☒

Allow 'vnet01' to receive forwarded traffic from 'VNET02' ☐

Allow gateway or route server in 'vnet01' to forward traffic to 'VNET02' ☒

Enable 'vnet01' to use 'VNET02's' remote gateway or route server ☐

VIRTUAL PRIVATE NETWORK

Disable 'VNET02' to use 'vnet01's' remote gateway or route server ☐

Local virtual network summary

Peering link name



Local virtual network peering settings

Allow 'vnet01' to access 'VNET02' ☒

Allow 'vnet01' to receive forwarded traffic from 'VNET02' ☒

Allow gateway or route server in 'vnet01' to forward traffic to 'VNET02' ☒

Disable 'vnet01' to use 'VNET02's' remote gateway or route server ☐

[Alt+S]

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```
root@ip-172-16-1-116:/home/ubuntu# ping 192.168.1.4
PING 192.168.1.4 (192.168.1.4) 56(84) bytes of data.
64 bytes from 192.168.1.4: icmp_seq=1 ttl=64 time=67.8 ms
64 bytes from 192.168.1.4: icmp_seq=2 ttl=64 time=67.1 ms
64 bytes from 192.168.1.4: icmp_seq=3 ttl=64 time=67.1 ms
64 bytes from 192.168.1.4: icmp_seq=4 ttl=64 time=67.4 ms
64 bytes from 192.168.1.4: icmp_seq=5 ttl=64 time=67.0 ms
64 bytes from 192.168.1.4: icmp_seq=6 ttl=64 time=66.8 ms
64 bytes from 192.168.1.4: icmp_seq=7 ttl=64 time=67.0 ms
64 bytes from 192.168.1.4: icmp_seq=8 ttl=64 time=67.4 ms
64 bytes from 192.168.1.4: icmp_seq=9 ttl=64 time=72.7 ms
64 bytes from 192.168.1.4: icmp_seq=10 ttl=64 time=67.3 ms
64 bytes from 192.168.1.4: icmp_seq=11 ttl=64 time=67.0 ms
64 bytes from 192.168.1.4: icmp_seq=12 ttl=64 time=66.8 ms
64 bytes from 192.168.1.4: icmp_seq=13 ttl=64 time=66.9 ms
64 bytes from 192.168.1.4: icmp_seq=14 ttl=64 time=66.7 ms
64 bytes from 192.168.1.4: icmp_seq=15 ttl=64 time=66.7 ms
64 bytes from 192.168.1.4: icmp_seq=16 ttl=64 time=66.8 ms
64 bytes from 192.168.1.4: icmp_seq=17 ttl=64 time=66.9 ms
64 bytes from 192.168.1.4: icmp_seq=18 ttl=64 time=67.4 ms
64 bytes from 192.168.1.4: icmp_seq=19 ttl=64 time=67.0 ms
64 bytes from 192.168.1.4: icmp_seq=20 ttl=64 time=67.2 ms
64 bytes from 192.168.1.4: icmp_seq=21 ttl=64 time=66.9 ms
64 bytes from 192.168.1.4: icmp_seq=22 ttl=64 time=70.4 ms
64 bytes from 192.168.1.4: icmp_seq=23 ttl=64 time=66.6 ms
64 bytes from 192.168.1.4: icmp_seq=24 ttl=64 time=67.0 ms
```

i-0657d1c1c9fd1a41c (vm)
PublicIPs: 3.95.247.210 PrivateIPs: 172.16.1.116

VIRTUAL PRIVATE NETWORK

AWS Console Home

Search

[Alt+S]

```
64 bytes from 192.168.1.4: icmp_seq=11 ttl=64 time=67.0 ms
64 bytes from 192.168.1.4: icmp_seq=12 ttl=64 time=66.8 ms
64 bytes from 192.168.1.4: icmp_seq=13 ttl=64 time=66.9 ms
64 bytes from 192.168.1.4: icmp_seq=14 ttl=64 time=66.7 ms
64 bytes from 192.168.1.4: icmp_seq=15 ttl=64 time=66.7 ms
64 bytes from 192.168.1.4: icmp_seq=16 ttl=64 time=66.8 ms
64 bytes from 192.168.1.4: icmp_seq=17 ttl=64 time=66.9 ms
64 bytes from 192.168.1.4: icmp_seq=18 ttl=64 time=67.4 ms
64 bytes from 192.168.1.4: icmp_seq=19 ttl=64 time=67.0 ms
64 bytes from 192.168.1.4: icmp_seq=20 ttl=64 time=67.2 ms
64 bytes from 192.168.1.4: icmp_seq=21 ttl=64 time=66.9 ms
64 bytes from 192.168.1.4: icmp_seq=22 ttl=64 time=70.4 ms
64 bytes from 192.168.1.4: icmp_seq=23 ttl=64 time=66.6 ms
64 bytes from 192.168.1.4: icmp_seq=24 ttl=64 time=67.0 ms
64 bytes from 192.168.1.4: icmp_seq=25 ttl=64 time=66.8 ms
64 bytes from 192.168.1.4: icmp_seq=26 ttl=64 time=66.7 ms
64 bytes from 192.168.1.4: icmp_seq=27 ttl=64 time=66.9 ms
64 bytes from 192.168.1.4: icmp_seq=28 ttl=64 time=67.8 ms
64 bytes from 192.168.1.4: icmp_seq=29 ttl=64 time=66.8 ms
64 bytes from 192.168.1.4: icmp_seq=30 ttl=64 time=66.9 ms
64 bytes from 192.168.1.4: icmp_seq=31 ttl=64 time=67.6 ms
64 bytes from 192.168.1.4: icmp_seq=32 ttl=64 time=67.0 ms
^C
--- 192.168.1.4 ping statistics ---
33 packets transmitted, 32 received, 3.0303% packet loss, time 32049ms
rtt min/avg/max/mdev = 66.639/67.327/72.664/1.156 ms
root@ip-172-16-1-116:/home/ubuntu#
```

i-0657d1c1c9fd1a41c (vm)

PublicIPs: 3.95.247.210 PrivateIPs: 172.16.1.116