

VIRTUAL NETWORK IN AZURE

Virtual networks - Microsoft

portal.azure.com/#browse/Microsoft.Network%2FVirtualNetworks

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

Home > Virtual networks

Default Directory (vaibhavguptaavy1013gmail.onmicrosoft.com)

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

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

Showing 0 to 0 of 0 records.

No grouping List view

Name ↑↓	Resource group ↑↓	Location ↑↓	Subscription ↑↓
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₹16,669.26 credit remaining

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Upgrade to a Pay-As-You-Go subscription.



No virtual networks to display

Create a virtual network to securely connect your Azure resources to each other. Connect your virtual network to your on-premises network using an Azure VPN Gateway or ExpressRoute.

Create virtual network

Learn more

Create a virtual machine

Give feedback

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Create virtual network

Basics Security IP addresses Tags Review + create

Azure Virtual Network (VNet) is the fundamental building block for your private network in Azure. VNet enables many types of Azure resources, such as Azure Virtual Machines (VM), to securely communicate with each other, the internet, and on-premises networks. VNet is similar to a traditional network that you'd operate in your own data center, but brings with it additional benefits of Azure's infrastructure such as scale, availability, and isolation.

[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 * Free Trial

Resource group * celebal-internship-vaibhav_group

[Create new](#)

Instance details

Virtual network name * my-vnet

Region * (US) East US

Add name of vnet

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Review + create

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portal.azure.com/#create/Microsoft.VirtualNetwork-ARM

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vaibhavgupta.avy1013...
DEFAULT DIRECTORY (VAIBHAV...)

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Create virtual network ...

Deploying...

Basics

Security

IP addresses

Tags

Review + create

[View automation template](#)

Basics

Subscription	Free Trial
Resource Group	celebal-internship-vaibhav_group
Name	my-vnet
Region	East US

Security

Azure Bastion	Disabled
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled

IP addresses

Address space	10.0.0.0/16 (65,536 addresses)
Subnet	for_vm_machines (10.0.0.0/24) (256 addresses)
Subnet	sql_database (10.0.1.0/24) (256 addresses)

Tags

Initializing deployment...

Initializing template deployment to resource group 'celebal-internship-vaibhav_group'.

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Create

Give feedback

- After adding a subnet
- Create it

All services >

Create a virtual machine

Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.

This subscription may not be eligible to deploy VMs of certain sizes in certain regions.

Project details

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

Subscription * ⓘ Free Trial

Resource group * ⓘ celebal-internship-vaibhav_group

[Create new](#)

Instance details

Virtual machine name * ⓘ vnet-linux-vm

Region * ⓘ (Asia Pacific) South India

Availability options ⓘ No infrastructure redundancy required

Security type ⓘ Trusted launch virtual machines

[Configure security features](#)

Image * ⓘ Ubuntu Server 20.04 LTS - x64 Gen2 (free services eligible)

[See all images](#) | [Configure VM generation](#)

VM architecture ⓘ ☐ Arm64

Create it in the same region

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Create a virtual machine

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- Basics
- Disks
- Networking
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- Review + create

Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution.

[Learn more](#)

Network interface

When creating a virtual machine, a network interface will be created for you.

Virtual network *

my-vnet

Create new

Subnet *

default (10.0.0.0/24)

Manage subnet configuration

Public IP

(new) vnet-linux-vm-ip

Create new

NIC network security group

None

Basic

Advanced

Public inbound ports *

None

Allow selected ports

Select inbound ports *

SSH (22)

Home > CreateVm-canonical.0001-com-ubuntu-server-focal-2-20240630054237 | Overview >

Create a virtual machine

Basics Disks **Networking** Management Monitoring Advanced Tags Review + create

Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution.

[Learn more](#)

Network interface

When creating a virtual machine, a network interface will be created for you.

Virtual network * ⓘ [Create new](#)

Subnet * ⓘ [Manage subnet configuration](#)

Public IP ⓘ [Create new](#)

NIC network security group ⓘ ☐ None ☒ Basic ☐ Advanced

Public inbound ports * ⓘ ☐ None ☒ Allow selected ports

Select inbound ports *

⚠ This will allow all IP addresses to access your virtual machine. This is only

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Do same for windows...

All services > Virtual networks > my-vnet1

my-vnet1 | Connected devices

Virtual network

Search



Refresh



Export To CSV



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Tags

Diagnose and solve problems

Settings

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Subnets

Bastion

DDoS protection

Firewall

Microsoft Defender for Cloud

Network manager

DNS servers

Peerings

Service endpoints

Private endpoints

Properties

Links

Search connected devices

Type : all

Subnet : all

No grouping



Device ↑↓

Type ↑↓

IP Address ↑↓

Subnet ↑↓



jdk1732_z1

Network interface

10.0.0.4

default



window-vm205_z1

Network interface

10.0.0.5

default

Two vm in one subnet