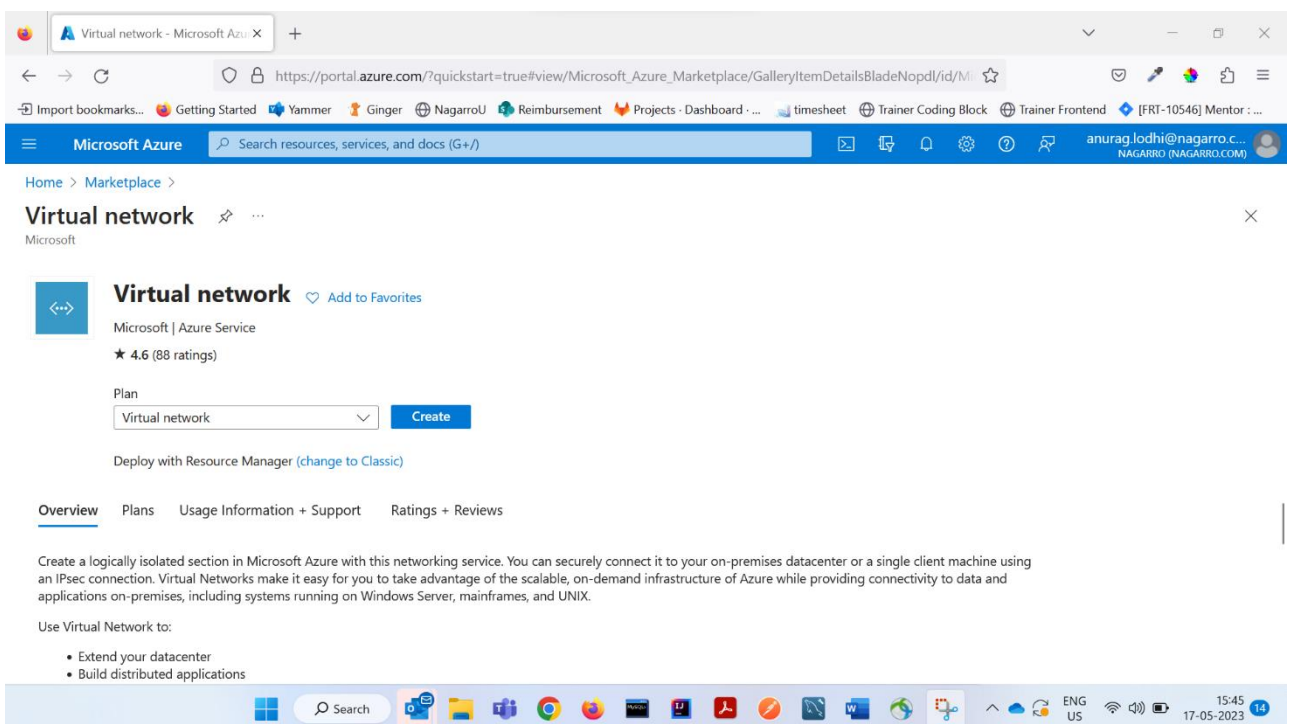
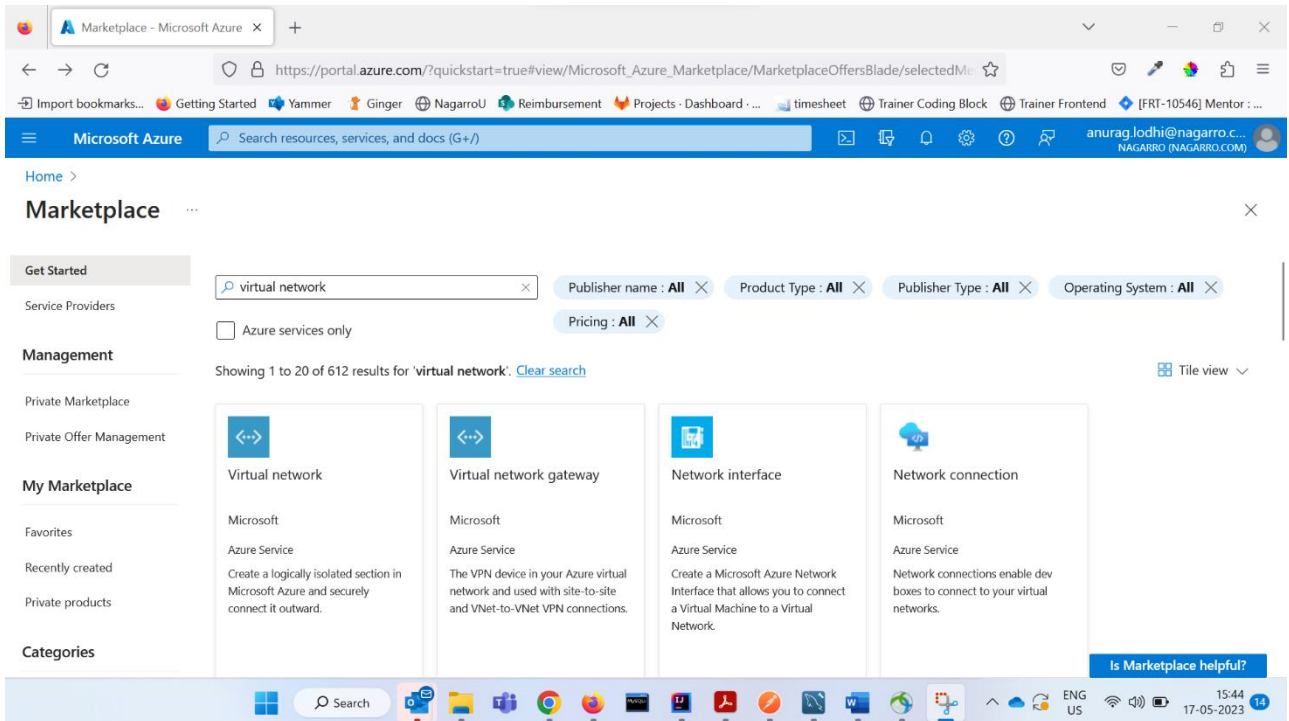


## Azure Assignment

1. Create a virtual network with 2 subnets. Each subnet should have 16 Ips only.



Create virtual network - Micros

+

https://portal.azure.com/?quickstart=true#create/Microsoft.VirtualNetwork-ARM

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Home > Marketplace > Virtual network >

Create virtual network

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 about virtual network](#)

Project details

Subscription \* ⓘ Free Trial

Resource group \* ⓘ (New) NagarroTraining  
[Create new](#)

Instance details

Name \* NagarroTraining ✓

Region \* East US

Review + create

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Next : IP Addresses >

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Create virtual network - Micros

Azure Subnet address range is

+

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Create virtual network

☐ Add IPv6 address space ⓘ

The subnet's address range in CIDR notation (e.g. 192.168.1.0/24). It must be contained by the address space of the virtual network.

+ Add subnet

Remove subnet

<input type="checkbox"/> Subnet name	Subnet address range	NAT gateway
<input type="checkbox"/> Subnet1	10.0.0.0/24	-
<input type="checkbox"/> Subnet2	10.0.1.0/24	-

ⓘ A NAT gateway is recommended for outbound internet access from subnets. Edit the subnet to add a NAT gateway. [Learn more](#)

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NagarroTraining - Microsoft Azure

Azure Subnet address range is

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←→↻

https://portal.azure.com/?quickstart=true#@nagarro.com/resource/subscriptions/7a878bdc-b82f-42d6-af9f-53585

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Home > Microsoft.VirtualNetwork-20230517154532 | Overview > NagarroTraining

<>

NagarroTraining | Subnets

☆

...

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Virtual network

🔍 Search

«

+ Subnet

+ Gateway subnet

🔄 Refresh

🔍 Manage users

🗑️ Delete

<>

Overview

📅 Activity log

👤 Access control (IAM)

🏷️ Tags

🔧 Diagnose and solve problems

Settings

<> Address space

🔌 Connected devices

<> Subnets

🔌 Bastion

🛡️ DDoS protection

🔥 Firewall

🔍 Search subnets

Name ↑↓	IPv4 ↑↓	IPv6 ↑↓	Available IPs ↑↓	Delegated to ↑↓	Security group ↑↓	Route table ↗
Subnet1	10.0.0.0/24	-	251	-	-	-
Subnet2	10.0.1.0/24	-	251	-	-	-

🪟

🔍 Search

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17-05-2023

14

2. Inside one of the subnets, create a VM and deploy an application code inside it and it should leverage the database on the cloud (any existing application created by you before)

The screenshot shows the 'Create a virtual machine' wizard in the Microsoft Azure portal. The 'Basics' tab is selected. The page title is 'Create a virtual machine'. Below the tabs, there is a description: 'Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. [Learn more](#)'. A blue information box states: 'This subscription may not be eligible to deploy VMs of certain sizes in certain regions.' Under 'Project details', it says: 'Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.' There are two dropdown menus: 'Subscription' (set to 'Free Trial') and 'Resource group' (set to '(New) Resource group'). At the bottom, there are buttons for 'Review + create', '< Previous', and 'Next : Disks >'. The top navigation bar shows the user is logged in as 'anurag.lodhi@nagarro.com'.

The screenshot shows the 'Create a virtual machine' wizard in the Microsoft Azure portal, specifically the 'Network interface' tab. The page title is 'Create a virtual machine'. Below the tabs, there is a description: 'When creating a virtual machine, a network interface will be created for you.' There are four dropdown menus: 'Virtual network' (set to 'NagarroTraining'), 'Subnet' (set to 'Subnet1 (10.0.0.0/24)'), 'Public IP' (set to '(new) NagarroTrainingMachine-ip'), and 'NIC network security group' (with radio buttons for 'None', 'Basic' (selected), and 'Advanced'). At the bottom, there are buttons for 'Review + create', '< Previous', and 'Next : Management >'. The top navigation bar shows the user is logged in as 'anurag.lodhi@nagarro.com'.

Create a virtual machine - Micro X

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https://portal.azure.com/?quickstart=true#create/Microsoft.VirtualMachine-ARM

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👤

All services > Create a resource >

Create a virtual machine ...

✕

📘 Running final validation...

Basics

Disks

Networking

Management

Monitoring

Advanced

Tags

Review + create

📘 Cost given below is an estimate and not the final price. Please use [Pricing calculator](#) for all your pricing needs.

Price

1 X Standard D2s v3  
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Create a virtual machine - Micro X

Troubleshoot common Azure di X

Create SSH keys in the Azure po X

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https://portal.azure.com/?quickstart=true#create/Microsoft.VirtualMachine-ARM

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🔥 Getting Started

💬 Yammer

👤 Ginger

🌐 NagarroU

💰 Reimbursement

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All services > Create a resource >

Create a virtual machine ...

✕

🟢 Validation passed

Basics

Disks

Networking

Management

Monitoring

Advanced

Tags

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17-05-2023

14

✕

\*\*\* Initializing deployment...

Initializing template deployment to resource group 'NagarroTraining'.

CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230517183358 | Overview

Deployment

Search

DeleteCancelRedeployDownloadRefresh

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name: CreateVm-canonical.0001-com-ubuntu-s...

Subscription: [Free Trial](#)

Resource group: [NagarroTraining](#)

Start time: 5/17/2023, 6:36:15 PM

Correlation ID: efe511e0-7f98-4373-bc23-

Deployment details

Resource	Type	Status	Operation details
No results.			

Give feedback

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CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230517183358 | Overview

Deployment

Search

DeleteCancelRedeployDownloadRefresh

Overview

Inputs

Outputs

Template

Your deployment is complete

Deployment name: CreateVm-canonical.0001-com-ubuntu-s...

Subscription: [Free Trial](#)

Resource group: [NagarroTraining](#)

Start time: 5/17/2023, 6:36:15 PM

Correlation ID: efe511e0-7f98-4373-bc23-

Deployment details

Next steps

Setup auto-shutdown Recommended

Monitor VM health, performance and network dependencies Recommended

Run a script inside the virtual machine Recommended

Go to resource

Create another VM

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Deployment

Search

Overview

Inputs

Outputs

Template

Delete

Cancel

Redeploy

Download

Refresh

Deployment details

Resource	Type	Status	Operation details
NagarroTrainingVM	Microsoft.Compute/vir...	OK	Operation details
nagarrotrainingvm332_z'	Microsoft.Network/net...	Created	Operation details
NagarroTrainingVM-nsg	Microsoft.Network/net...	OK	Operation details
NagarroTrainingVM-ip	Microsoft.Network/pu...	OK	Operation details

Next steps

Setup auto-shutdown Recommended

Monitor VM health, performance and network dependencies Recommended

Run a script inside the virtual machine Recommended

Go to resource

Create another VM

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NagarroTrainingVM | Networking

Virtual machine

Search

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Networking

Connect

Disks

Size

Microsoft Defender for Cloud

Advisor recommendations

Feedback

Attach network interface

Detach network interface

Virtual network/subnet: NagarroTraining/Subnet1

NIC Public IP: 10.0.0.4

Inbound port rules

Outbound port rules

Application security groups

Network security group NagarroTrainingVM-nsg (attached to 1 network interfaces)

Impacts 0 subnets, 1 network interfaces

Priority	Name	Port
300	SSH	22
65000	AllowVnetInBound	Any
65001	AllowAzureLoadBalancerInBound	Any
65500	DenyAllInBound	Any

Need help?

Add inbound security rule

NagarroTrainingVM-nsg

Source

Any

Source port ranges

\*

Destination

Any

Service

RDP

Destination port ranges

3389

Protocol

TCP

Add

Cancel

Give feedback

Search

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