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Section: 7B

Lab: 02

Task 1:

Microsoft Azure

Search resources, services, and docs (G+)

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All services > Network foundation

Network foundation | Virtual networks

Check the status of all virtual network routes Identify issues across virtual networks Check connectivity across Virtual Networks

Preview

Search

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

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

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

Name	Resource Group	Location	Subscription
vnet-centralindia	CloudComputingGroup	Central India	Azure for Students

Showing 1 - 1 of 1. Display count: auto

Add or remove favorites for easier CTR + Shift+F4

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Basic information

Microsoft Azure

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All services > Network foundation | Virtual networks >

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 * Azure for Students

Resource group * CloudComputingGroup
Create new

Instance details

Virtual network name * vnet1

Region * (Asia Pacific) Central India
Deploy to an Azure Extended Zone

Previous Next Review + create

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Validation passed

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Create virtual network

Validation passed

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

[View automation template](#)

Basics

Subscription	Azure for Students
Resource Group	CloudComputingGroup
Name	vnet1
Region	Central India

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	default (10.0.0.0/24) (256 addresses)

Tags

Previous Next **Create** [Download a template for automation](#)

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Deployment complete

Microsoft Azure

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All services >

vnet1-1762536201067 | Overview

Deployment

Search x

Delete Cancel Redeploy Download Refresh

Overview

Your deployment is complete

Deployment name : vnet1-1762536201067
Subscription : Azure for Students
Resource group : CloudComputingGroup

Start time : 11/7/2025, 10:23:24 PM
Correlation ID : 2370da3c-58be-446f-aba7-d4823380f141

> Deployment details

Next steps

[Go to resource](#)

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Task 2

Creating vm1

Microsoft Azure

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All services > Compute infrastructure | Virtual machines >

Create a virtual machine

Help me create a VM optimized for high availability Help me choose the right VM size for my workload Help me create a low cost VM

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

Basics Disks Networking Management Monitoring Advanced Tags Review + create

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](#)

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 Azure for Students

Resource group CloudComputingGroup
[Create new](#)

Instance details

Virtual machine name vm1

Region (Asia Pacific) Central India
[Deploy to an Azure Extended Zone](#)

Availability options No infrastructure redundancy required

Security type Trusted launch virtual machines
[Configure security features](#)

Image Windows Server 2025 Datacenter: Azure Edition - x64 Gen2
[See all images](#) [Configure VM generation](#)

VM architecture
☐ Arm64
☒ x64

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Create a virtual machine

Help me create a VM optimized for high availability Help me choose the right VM size for my workload Help me create a low cost VM

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

VM architecture
☐ Arm64
☒ x64

Arm64 is not supported with the selected image.

Run with Azure Spot discount

Size Standard_D2s_v3 - 2 vcpus, 8 GiB memory (\$143.81/month)
[See all sizes](#)

Enable Hibernation

Hibernate is not supported by the size that you have selected. Choose a size that is compatible with Hibernation to enable this feature. [Learn more](#)

Administrator account

Username azureuser

Password *****

Confirm password *****

Inbound port rules

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports
☐ None
☒ Allow selected ports

Select inbound ports RDP (3389)

This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

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It is in vnet1

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Create a virtual machine

Help me create a VM optimized for high availability | Help me choose the right VM size for my workload | Help me create a low cost VM

Help me create a low cost VM | Help me create a VM optimized for high availability | Help me choose the right VM size for my workload

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 vnet1 (CloudComputingGroup)
[Edit virtual network](#)

Subnet * (New) snet-centralindia-1
[Edit subnet](#) 10.0.1.0 - 10.0.1.255 (256 addresses)

Public IP (new) vm1-ip
[Create new](#)

NIC network security group ☐ None ☒ Basic ☐ Advanced

Public inbound ports * ☐ None ☒ Allow selected ports

Select inbound ports * RDP (3389)

⚠ This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

Delete public IP and NIC when VM is deleted ☐

< Previous | Next : Management > | **Review + create**

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Created both VMs (vm1 and vm2)

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Compute infrastructure | Virtual machines

View virtual machines with critical alerts | Create a replica from the VM list | List VMs by security posture

Search

Virtual machines | Get started

+ Create | Reservations | Manage view | Refresh | Export to CSV | Open query | Assign tags | Start | Restart | Stop | Delete | Services | Maintenance

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Filter for any field... | Subscription equals all | Type equals all | Resource Group equals all | Location equals all | + Add filter

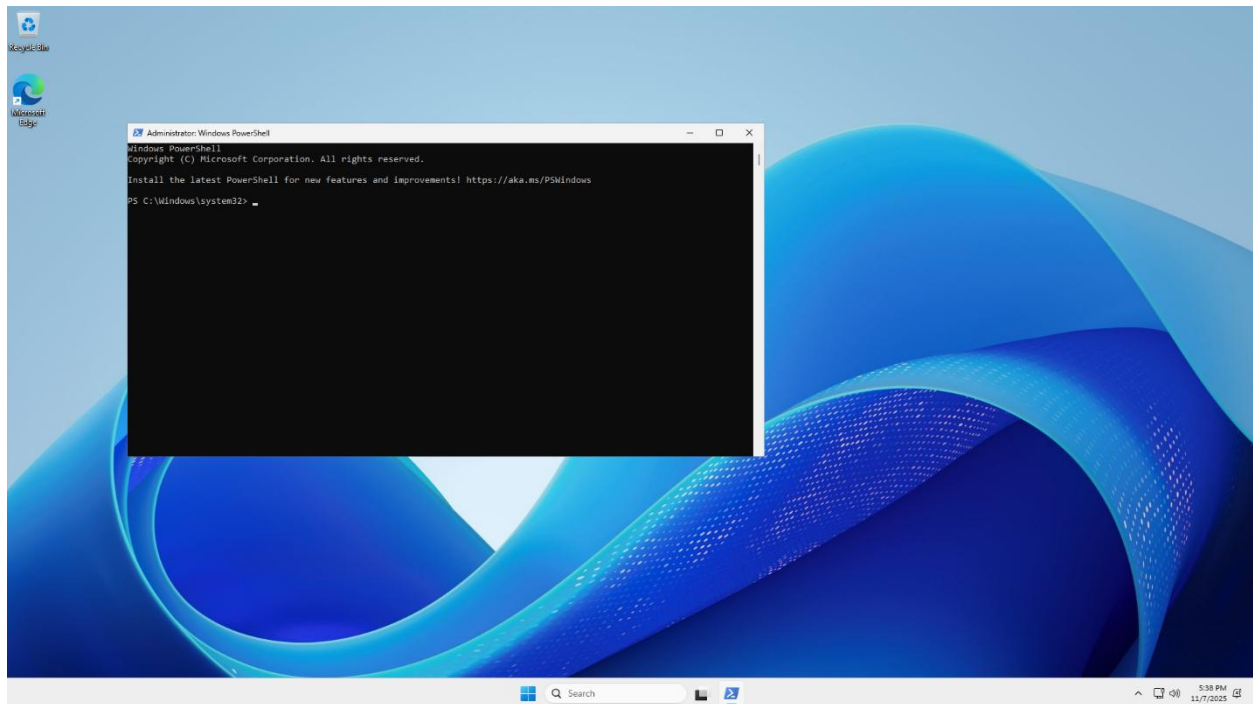
<input type="checkbox"/>	Name ↑	Subscription	Resource Group	Location	Status	Operating system	Size	Public IP address	Disks	Update status
<input type="checkbox"/>	vm1	Azure for Students	CloudComputingG...	Central India	Running	Windows	Standard_D2s_v3	74.225.240.251	1	Enable periodic ass...
<input type="checkbox"/>	vm2	Azure for Students	CloudComputingG...	Central India	Running	Windows	Standard_D2s_v3	74.225.219.254	1	Enable periodic ass...

Showing 1 - 2 of 2. Display count: auto

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Task 3:

Connected to vm2



Pinging vm1 from vm2

