

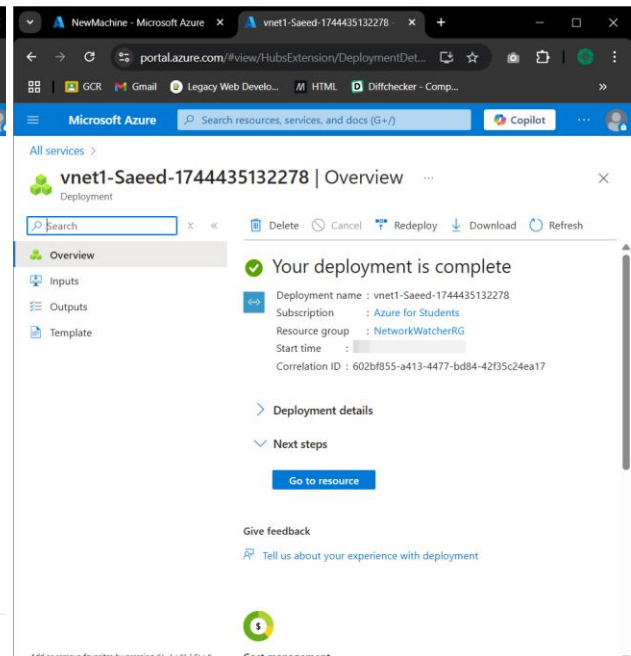
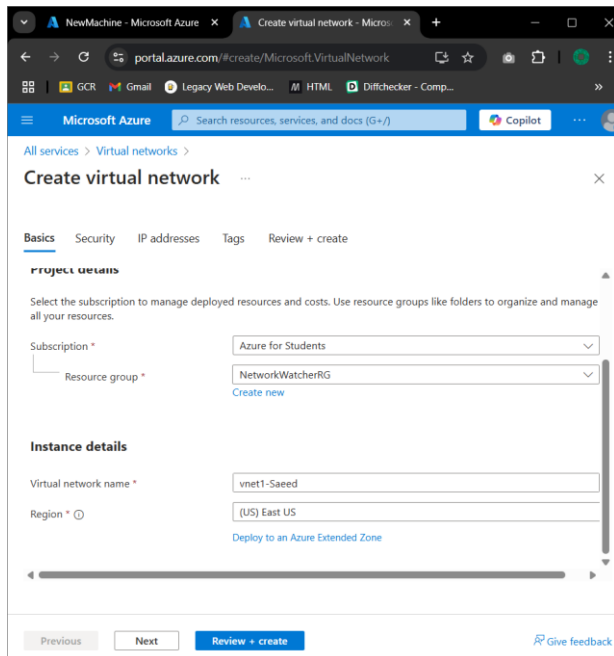
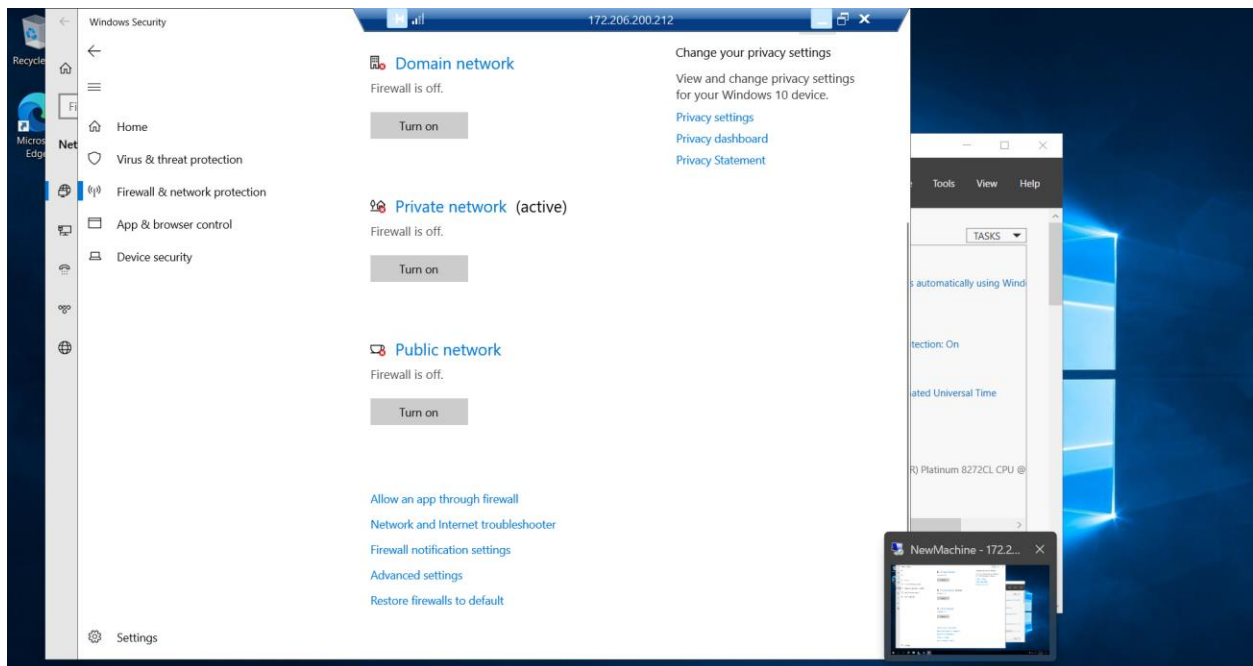
AZURE Assignment 2 – Introduction to DevOps

Creating a Virtual Network

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TASK 1



TASK 2

Microsoft Azure

Search resources, services, and docs (G+V)

Copilot

All services > Compute infrastructure | Virtual machines >

Create a virtual machine

Validation passed

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

BasicsDisksNetworkingManagementMonitoringAdvancedTagsReview + create

Price

1 X Standard D2s v3
by Microsoft
[Terms of use](#) | [Privacy policy](#)

Subscription credits apply
0.1880 USD/hr
[Pricing for other VM sizes](#)

TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

You have set RDP port(s) open to the internet. This is only recommended for testing. If you want to change this setting, go back to Basics tab.

Basics

Subscription

Azure for Students

Resource group

NewMachine_group

Virtual machine name

NewMachine2

Region

East US

Availability options

No infrastructure redundancy required

Zone options

Self-selected zone

Security type

Standard

Image

Windows Server 2019 Datacenter - Gen2

VM architecture

x64

Size

Standard D2s v3 (2 vcpus, 8 GiB memory)

Enable Hibernation

No

Username

azureuser_Saeed

Public inbound ports

RDP

Already have a Windows license?

No

Azure Spot

No

Disks

OS disk size

Image default

OS disk type

Premium SSD LRS

Use managed disks

Yes

Delete OS disk with VM

Enabled

Ephemeral OS disk

No

Networking

Virtual network

NewMachine-vnet

Subnet

default (10.0.0.0/24)

Public IP

(new) NewMachine2-ip

Accelerated networking

On

Place this virtual machine behind an existing load balancing solution?

No

Delete public IP and NIC when VM is deleted

Disabled

Management

Microsoft Defender for Cloud

None

System assigned managed identity

Off

Login with Microsoft Entra ID

Off

Auto-shutdown

Off

Enable periodic assessment

Off

Enable hotpatch

Off

Patch orchestration options

OS-orchestrated patching: patches will be installed by OS

Monitoring

Alerts

Off

Boot diagnostics

On

Enable OS guest diagnostics

Off

Enable application health monitoring

Off

Advanced

Extensions

None

VM applications

None

Cloud init

No

User data

No

Disk controller type

SCSI

Proximity placement group

None

Capacity reservation group

None

< Previous

Next >

Create

Download a template for automation

Give feedback

TASK 3

NetworkMachine1 Virtual machine

Search Help me copy this VM in any region

Connect Start Restart Stop Hibernate

Essentials [JSON View](#)

Resource group ([move](#))
[NewMachine_group](#)

Status
Running

Location
East US

Subscription ([move](#))
[Azure for Students](#)

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Resource visualizer
- Connect
- Networking
- Settings

Recycle Bin Select Administrator: Windows PowerShell

Windows PowerShell
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PS C:\Users\azureuser-Saeed> ping

Microsoft Edge: ping [-t] [-a] [-n count] [-l size] [-f] [-i TTL] [-v TOS] [-r count] [-s count] [[-j host-list] | [-k host-list]] [-w timeout] [-R] [-S srcaddr] [-c compartment] [-p] [-4] [-6] target_name

Options:

- t Ping the specified host until stopped. To see statistics and continue - type Control-Break; To stop - type Control-C.
- a Resolve addresses to hostnames.
- n count Number of echo requests to send.
- l size Send buffer size.
- f Set Don't Fragment flag in packet (IPv4-only).
- i TTL Time To Live.
- v TOS Type Of Service (IPv4-only. This setting has been deprecated and has no effect on the type of service field in the IP Header).
- r count Record route for count hops (IPv4-only).
- s count Timestamp for count hops (IPv4-only).
- j host-list Loose source route along host-list (IPv4-only).
- k host-list Strict source route along host-list (IPv4-only).
- w timeout Timeout in milliseconds to wait for each reply.
- R Use routing header to test reverse route also (IPv6-only). Per RFC 5095 the use of this routing header has been deprecated. Some systems may drop echo requests if this header is used.
- S srcaddr Source address to use.
- c compartment Routing compartment identifier.
- p Ping a Hyper-V Network Virtualization provider address.
- 4 Force using IPv4.
- 6 Force using IPv6.

PS C:\Users\azureuser-Saeed> ping NetworkMachine1
Ping request could not find host NetworkMachine1. Please check the name and try again.

172.206.200.212

Manage Tools View Help

TASKS

Last installed updates	Today at 6:19 AM
Windows Update	Install updates automatically using Windows Update
Last checked for updates	Today at 6:18 AM
Windows Defender Antivirus	Real-Time Protection: On
Feedback & Diagnostics	Settings
HE Enhanced Security Configuration	On
Time zone	(UTC) Coordinated Universal Time
Product ID	00430-00000-00000-AA316 (activated)
Processors	Intel(R) Xeon(R) Platinum 8272CL CPU @ 2.60 GHz
Installed memory (RAM)	7.95 GB
Total disk space	142.45 GB