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Section – A

LAB: 06

Task 1: Create a virtual machine

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Create a virtual machine



Help me choose the right VM size for my workload

Help me crea

Validation passed



Help me create a low cost VM

Help me create a VM optimized for high availability

Help me choose the r

Basics

Subscription	Azure for Students
Resource group	(new) SecureTraffic_group
Virtual machine name	SecureTraffic
Region	Central India
Availability options	Availability zone
Zone options	Self-selected zone
Availability zone	1
Security type	Trusted launch virtual machines
Enable secure boot	Yes
Enable vTPM	Yes
Integrity monitoring	No
Image	Windows Server 2019 Datacenter - Gen2
VM architecture	x64

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Create

Create a virtual machine



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VM architecture	x64
Size	Standard D2s v3 (2 vcpus, 8 GiB memory)
Enable Hibernation	No
Username	azureuser
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

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Create

✓ Your deployment is complete



Deployment name : CreateVm-MicrosoftWindowsServer.WindowsServer-201-20251028...

Subscription : Azure for Students

Resource group : SecureTraffic_group

Start time : 10/28/2025, 2:36:50 PM

Correlation ID : caa72bd2-930e-4aa7-a086-b2fb71658242

> Deployment details

▽ Next steps

[Set up 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](#)



Network interface / IP configuration

[securetraffic237_z1 \(primary\) / ipconfig1 \(primary\)](#)



↖ Essentials

Network interface : [securetraffic237_z1](#)

Load balancers : 0 ([Configure](#))

Virtual network / su... : [vnet-centralindia / snet-centralindia-1](#)

Application security ... : 0 ([Configure](#))

Public IP address : [57.159.29.227](#)

Network security gr... : -

Private IP address : 172.16.0.4

Accelerated network... : Enabled

Admin security rules : 0 ([Configure](#))

Effective security rules : 0



No port rules to display

Task 2: Create a network security group

Home > Network foundation | Network security groups >

Create network security group

Validation passed

Basics Tags Review + create

Basics

Subscription	Azure for Students
Resource group	SecureTraffic_group
Region	Central India
name	myNSGSecure

Tags

None

Create < Previous Next > Download a template for automation

Home > myNSGSecure

myNSGSecure | Network interfaces

Network security group

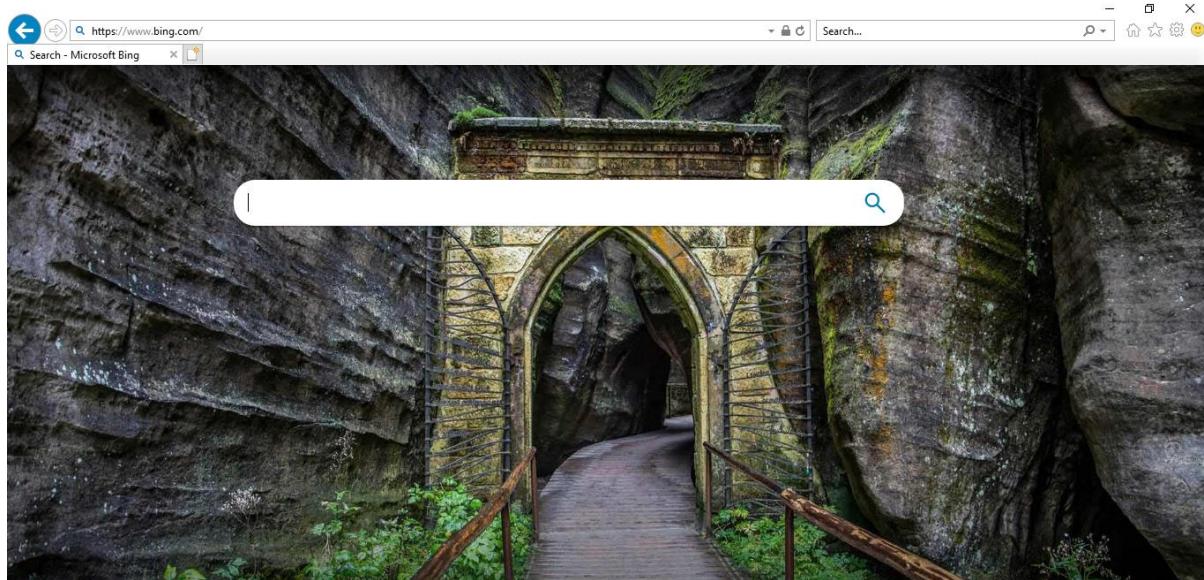
Search Associate Refresh Dissociate

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

Name ↑↓	Public IP address ↑↓	Private IP address ↑↓	Virtual machine ↑↓
securetraffic237_z1	57.159.29.227	172.16.0.4	SecureTraffic

Task 3: Configure an inbound security port rule to allow RDP

Network security group myNSGSecure (attached to networkInterface: securetraffic237_z1)							+ Create port rule
		Source == all		Protocol == all		Action == all	Port == all
Prio...	Name	Port	Protocol	Source	Destination	Action	
Inbound port rules (4)							
300	⚠ AllowRdp	3389	TCP	Any	Any	Allow	
65000	AllowVnetInBound ⓘ	Any	Any	VirtualNetwork	VirtualNetwork	Allow	
65001	AllowAzureLoadBalancerInB... ⓘ	Any	Any	AzureLoadBalancer	Any	Allow	
65500	DenyAllInBound ⓘ	Any	Any	Any	Any	Deny	



Task 4: Configure an outbound security port rule to deny Internet access

Outbound port rules (4)							
Port	Action	Protocol	Source	Destination	Condition	Profile	State
4000	DenyInternet	TCP	Any	Any	Internet		✖ Deny
65000	AllowVnetOutBound	TCP	Any	VirtualNetwork	VirtualNetwork		✓ Allow
65001	AllowInternetOutBound	TCP	Any	Any	Internet		✓ Allow
65500	DenyAllOutBound	TCP	Any	Any	Any		✖ Deny



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