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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 create a VM optimized for high availability](#)

 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](#)


### 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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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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## 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](#)

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

Public IP address : [57.159.29.227](#)

Private IP address : 172.16.0.4

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

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

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

Network security gr... : -

Accelerated network... : Enabled

Effective security rules : 0



No port rules to display

## Task 2: Create a network security group

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# Create network security group ...

✓ Validation passed

Basics

Tags

Review + create

Basics

Subscription

Resource group

Region

name

Tags

None

Azure for Students

SecureTraffic\_group

Central India

myNSGSecure

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myNSGSecure | Network interfaces

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Associate

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Dissociate


Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Search network interfaces			
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](#))  
Impacts 0 subnets, 1 network interfaces

Create port rule

Search rules

Source == all

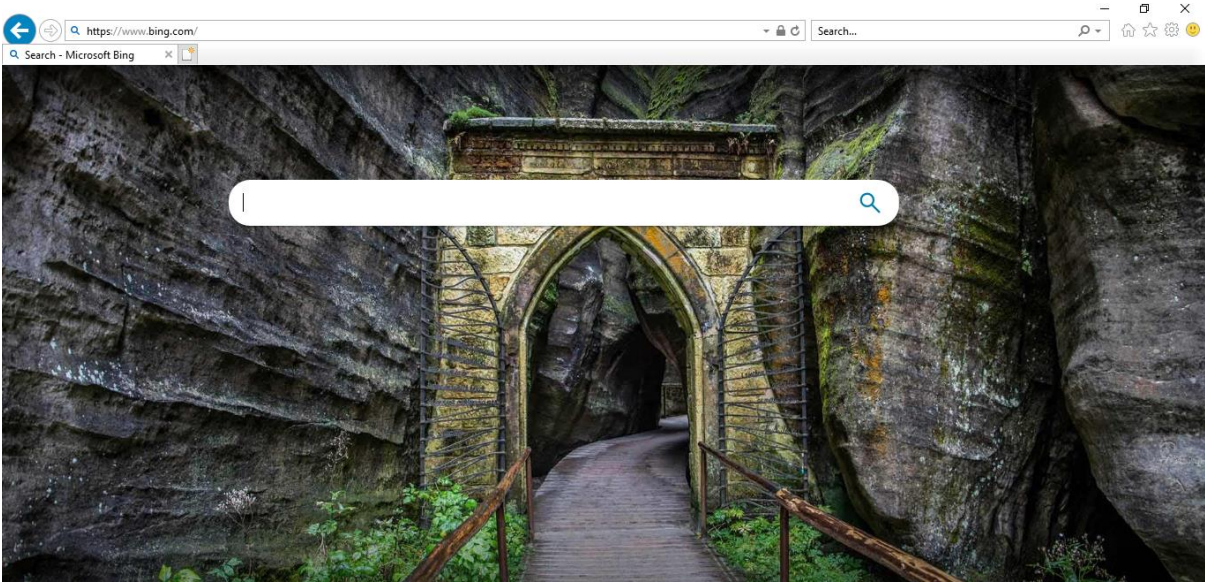
Destination == all

Protocol == all









Action == all

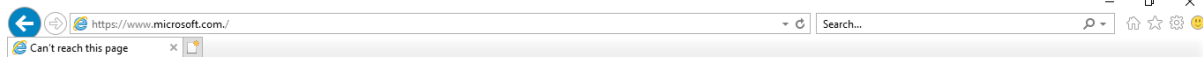
Port == all

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)							
4000	DenyInternet		Any	TCP	Any	Internet	 Deny
65000	AllowVnetOutBound ⓘ		Any	Any	VirtualNetwork	VirtualNetwork	 Allow
65001	AllowInternetOutBound ⓘ		Any	Any	Any	Internet	 Allow
65500	DenyAllOutBound ⓘ		Any	Any	Any	Any	 Deny



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