

# NSG

portal.azure.com/#create/Microsoft.ResourceGroup

Microsoft Azure

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Home >

Create a resource group ...

BasicsTagsReview + create

**Resource group** - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

**Project details**

Subscription \*  
Resource group \*

Azure for Students  
RS-1

**Resource details**

Region \*

(US) East US 2

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portal.azure.com/#create/Microsoft.VirtualNetwork-ARM

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Create virtual network ...

BasicsSecurityIP addressesTagsReview + create

your resources.

**Subscription \***  
**Resource group \***

Azure for Students  
RS-1  
[Create new](#)

**Instance details**

Virtual network name \*  
Region \*

vnet-1  
(US) East US 2  
[Deploy to an Azure Extended Zone](#)

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Create virtual network ...

BasicsSecurityIP addressesTagsReview + create

10.0.0.0/16

10.0.0.0 /16

10.0.0.0 - 10.0.255.255 65,536 addresses

+ Add a subnet

Subnets	IP address range	Size	NAT gateway
public-net	10.0.1.0 - 10.0.1.255	/24 (256 addresses)	-
private-net	10.0.2.0 - 10.0.2.255	/24 (256 addresses)	-

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vnet-1-1720348407760 | Overview ...

Deployment

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Overview

Inputs

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✓ Your deployment is complete

Deployment name : vnet-1-1720348407760

Subscription : Azure for Students

Resource group : RS-1

Start time : 7/7/2024, 4:03:42 PM

Correlation ID : 3d16babf-4caf-403c-89dc-1fbc49e735fc

> Deployment details

> Next steps

Go to resource

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Home > Virtual machines >

Create a virtual machine

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 \* ⓘ

RS-1

Create new

Instance details

Virtual machine name \* ⓘ

jump-vm

Region \* ⓘ

(US) East US 2

Availability options ⓘ

No infrastructure redundancy required

Security type ⓘ

Trusted launch virtual machines

Configure security features

Image \* ⓘ

Windows Server 2016 Datacenter - x64 Gen2

See all images | Configure VM generation

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Template

✓ Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe...

Subscription: Azure for Students

Resource group: RS-1

Start time: 7/7/2024, 4:08:20 PM

Correlation ID: 305f27cd-052c-46d1-8861-d99

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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Home > CreateVm-MicrosoftWindowsServer.WindowsServer-201-20240707160520 | Overview > jump-vm

### jump-vm | Connect

Virtual machine

Search

Refresh Troubleshoot More Options Feedback

Connecting using  
Public IP address | 172.210.174.53

Admin username : Subham  
Port (change) : 3389 Check access  
Just-in-time policy : Unsupported by plan

Most common

Local machine

Native RDP  
Connect via native RDP without any additional software needed. Recommended for testing only.  
Public IP address (172.210.174.53)

Select Download RDP file

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### jump-vm | Network settings

Virtual machine

Search

This is a new experience. Please provide feedback

Rules Collapse all

Network security group jump-vm-nsg (attached to networkinterface: jump-vm385)  
Impacts 0 subnets, 1 network interfaces

Create port rule

Search rules Source == all Destination == all Protocol == all Action == all

Priority	Name	Port	Protocol	Source	Destination	Action
Inbound port rules (4)						
300	RDP	3389	TCP	Any	Any	Allow
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow
65001	AllowAzureLoadBalancerInBound	Any	Any	AzureLoadBalancer	Any	Allow
65500	DenyAllInBound	Any	Any	Any	Any	Deny
Outbound port rules (3)						

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Rules [Collapse all](#)

Network security group jump-vm-nsg (attached to networkInterface: jump-vm385)  
Impacts 0 subnets, 1 network interfaces

Search rules

Source == all Destination == all Protocol == all Action ==

Priority ↑	Name	Port	Protocol
Inbound port rules (3)			
65000	AllowVnetInBound	Any	Any
65001	AllowAzureLoadBalancerInBound	Any	Any
65500	DenyAllInBound	Any	Any
Outbound port rules (3)			

Add inbound security rule

jump-vm-nsg

Service

Destination port ranges

Protocol

☐ Any

☒ TCP

☐ UDP

☐ ICMPv4

Action

☒ Allow

☐ Deny

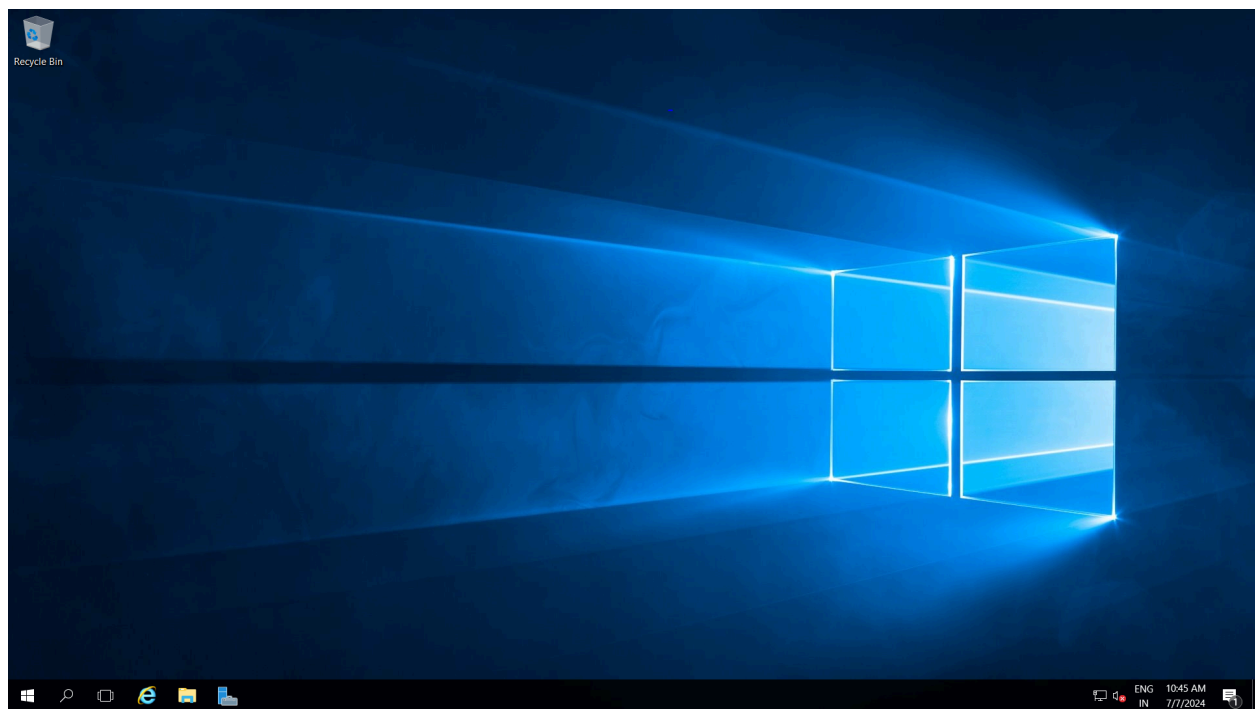
Priority

Name

Description

Add Cancel

[Give feedback](#)





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Create a virtual machine

Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.

Subscription \* ⓘ

Azure for Students

Resource group \* ⓘ

RS-1

Create new

Instance details

Virtual machine name \* ⓘ

db-vm

Region \* ⓘ

(US) East US 2

Availability options ⓘ

No infrastructure redundancy required

Security type ⓘ

Trusted launch virtual machines

Configure security features

Image \* ⓘ

Windows Server 2016 Datacenter - x64 Gen2

See all images | Configure VM generation

VM architecture ⓘ

Arm64

☒ x64

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Create a virtual machine

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 \* ⓘ

vnet-1

Create new

Subnet \* ⓘ

private-net (10.0.2.0/24)

Manage subnet configuration

Public IP ⓘ

None

Create new

NIC network security group ⓘ

☐ None

☒ Basic

☐ Advanced

Public inbound ports \* ⓘ

☐ None

☒ Allow all inbound ports

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Template

Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe...  
Subscription: Azure for Students  
Resource group: RS-1

Start time: 7/7/2024, 4:39:29 PM  
Correlation ID: 7bd985a3-62b7-43b2-8f1e-a4d49897b2ab

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 resourceCreate another VM

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db-vm | Network settings

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Network security group db-vm-nsg (attached to networkInterface: db-vm650)  
Impacts 0 subnets, 1 network interfaces

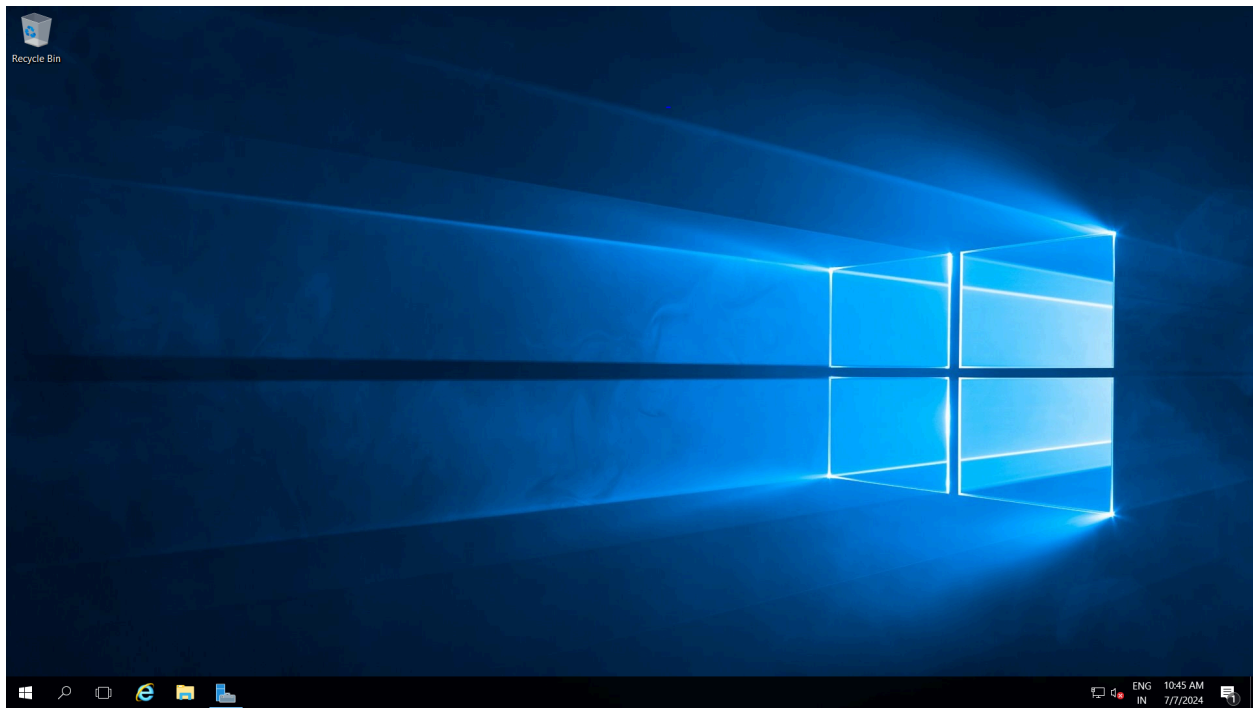
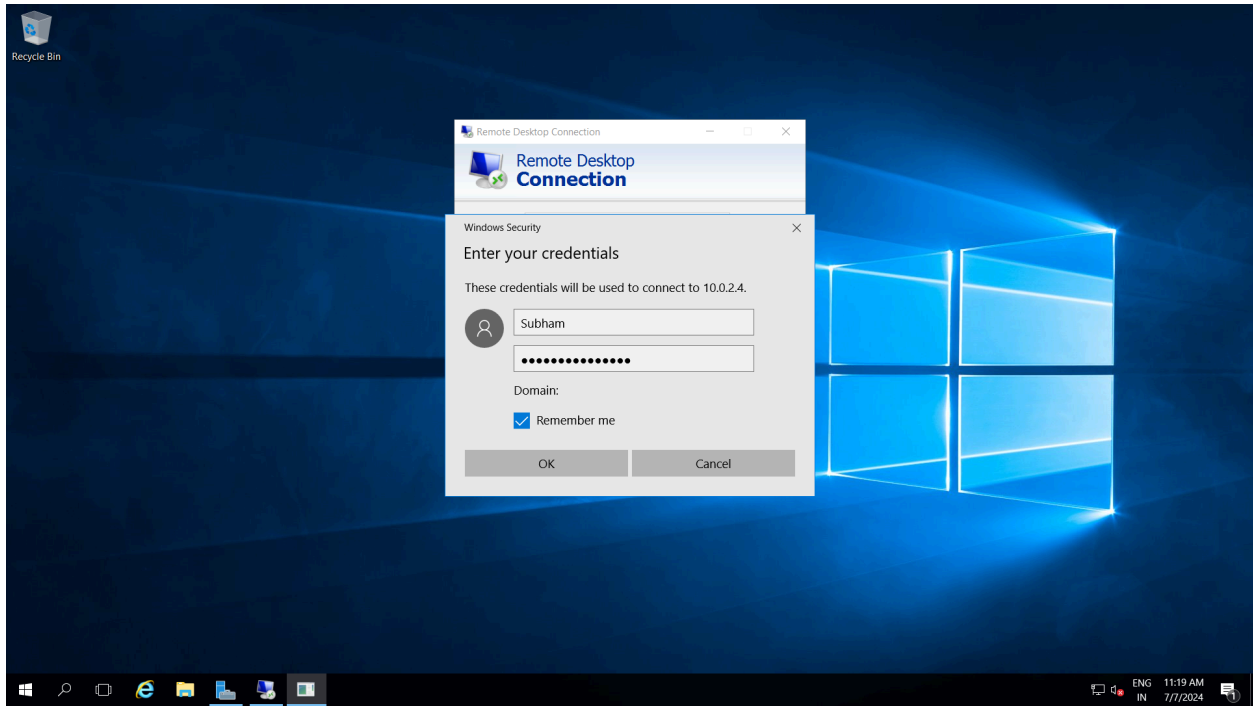
Create port rule

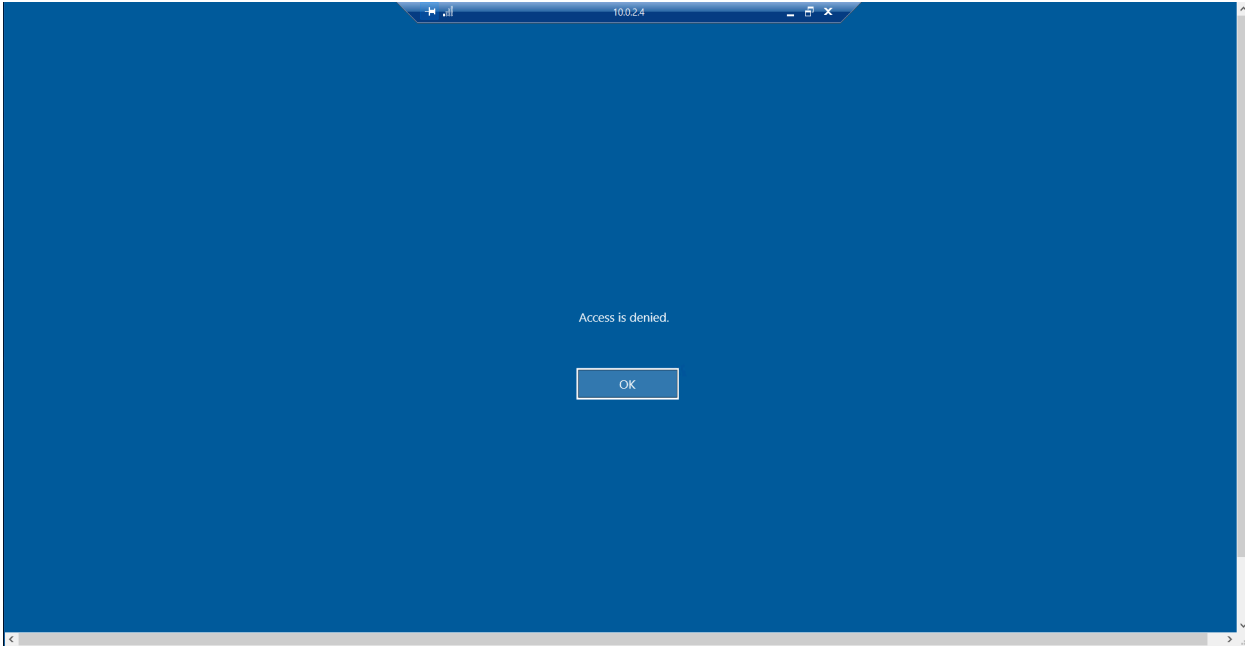
Search rules

Source == allDestination == allProtocol == allAction == all

Priority	Name	Port	Protocol	Source	Destination	Action
Inbound port rules (5)						
200	allow-jump	3389	TCP	172.210.174.53	Any	Allow
210	deny-web	3389	TCP	172.177.181.20	Any	Deny
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow
65001	AllowAzureLoadBalancerInBound	Any	Any	AzureLoadBalancer	Any	Allow
65500	DenyAllInBound	Any	Any	Any	Any	Deny
Outbound port rules (3)						







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Rules Collapse all

Search rules

Source == all Destination == all Protocol == all Action == all

Network security group db-vm-nsg (attached to networkInterface: db-vm650)  
Impacts 0 subnets, 1 network interfaces

Inbound port rules (4)

Priority	Name	Port	Protocol
200	allow-jump	3389	TCP
65000	AllowVnetInBound	Any	Any
65001	AllowAzureLoadBalancerInBound	Any	Any
65500	DenyAllInBound	Any	Any

Outbound port rules (3)

Priority	Name	Port	Protocol
65000	AllowVnetOutBound	Any	Any
65001	AllowInternetOutBound	Any	Any
65500	DenyAllOutBound	Any	Any

Add outbound security rule

db-vm-nsg

Source IP addresses/CIDR ranges

172.177.181.20

Source port ranges

\*

Destination Service Tag

Internet

Destination service tag

Internet

Service RDP

Destination port ranges

3389

Protocol

Any

TCP

UDP

Add Cancel

Give feedback

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Search rules

Source == all Destination == all Protocol == all Action == all

Inbound port rules (4)

Priority	Name	Port	Protocol	Source	Destination	Action
200	allow-jump	3389	TCP	172.210.174.53	Any	Allow
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow
65001	AllowAzureLoadBalancerInBound	Any	Any	AzureLoadBalancer	Any	Allow
65500	DenyAllInBound	Any	Any	Any	Any	Deny

Outbound port rules (4)

Priority	Name	Port	Protocol	Source	Destination	Action
210	deny-web-net	3389	TCP	172.177.181.20	Internet	Deny
65000	AllowVnetOutBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow
65001	AllowInternetOutBound	Any	Any	Any	Internet	Allow
65500	DenyAllOutBound	Any	Any	Any	Any	Deny