

Dec 21, 16:54



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Resource Manager - Microsoft Edge

portal.azure.com/#view/HubsExtension/ServiceMenuBlade/~resourcegroups/extension/Microsoft\_Azure\_Resources/menuId/ResourceManager/itemId/resourcegroup

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Microsoft Azure

Home > Resource Manager

## Resource Manager | Resource groups

Default Directory

Search

Create Manage view Refresh Export to CSV Open query Assign tags Add to service group

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

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

Resource Manager All resources Favorite resources Recent resources Resource groups Tags Organization Tools Deployments Help

No resource groups to display

Resource groups provide a logical container to manage and organize Azure resources, simplifying administration and enabling efficient resource management.

+ Create Learn more

Showing 1 - 0 of 0. Display count: auto

Add or remove favorites by pressing Ctrl + Shift + F

Give feedback

Create a resource group

portal.azure.com/#view/HubsExtension/ResourceGroupCreate.Reactview/\_provisioningContext-/{"telemetryid": "3A"Ba7b17e8-9834-4ec1-be1d-675eaba5b739"}%2B

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Home > Resource Manager | Resource groups >

## Create a resource group

Basics Tags Review + create

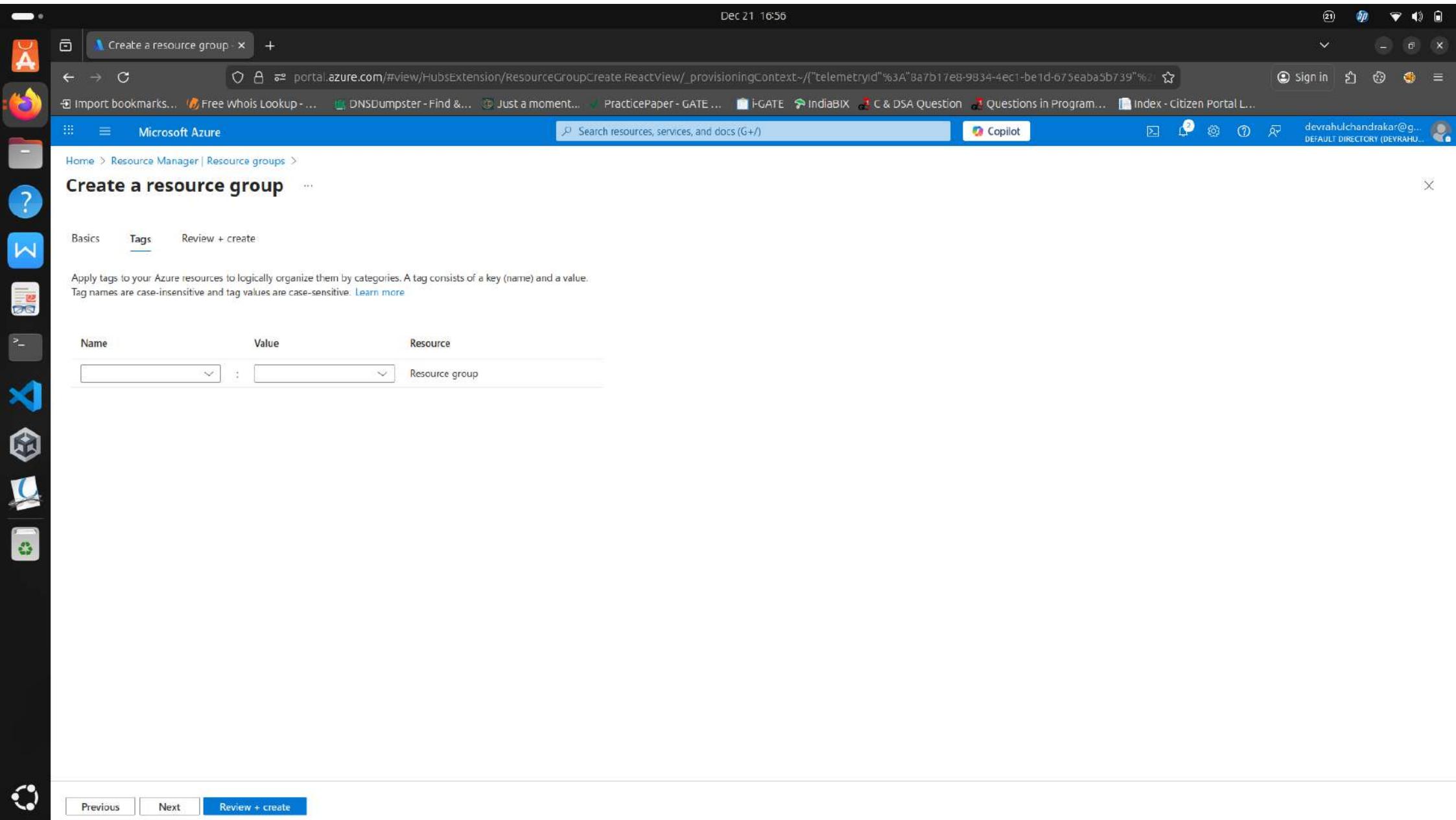
**Resource group** - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the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

Subscription \*

Resource group name \*

Region \*

Previous  Review + create



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Create a resource group

portal.azure.com/#view/HubsExtension/ResourceGroupCreate.Reactview/\_provisioningContext-/{"telemetryid": "3A"Ba7b17e8-9834-4ec1-be1d-675eaba5b739"}%2B

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Home > Resource Manager | Resource groups >

## Create a resource group

Basics Tags Review + create

Automation Link

### Basics

Subscription	Azure for Students
Resource group name	Firewallis_Tech
Region	East US

### Tags

None

Previous Next Create

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Resource Manager - Microsoft Edge

portal.azure.com/#view/HubsExtension/ServiceMenuBlade/~resourcegroups/extension/Microsoft\_Azure\_Resources/menuId/ResourceManager/itemId/resourcegroup

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## Resource Manager | Resource groups

Default Directory

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Create Manage view Refresh Export to CSV Open query Assign tags Add to service group

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No resource groups to display

Resource groups provide a logical container to manage and organize Azure resources, simplifying administration and enabling efficient resource management.

+ Create Learn more

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Resource group created  
Creating resource group 'Firewallis\_Tech' in subscription 'Azure for Students' succeeded

Go to resource gr... Pin to dashbo...

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Firewallis\_Tech - Microsoft Azure

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Home > Firewallis\_Tech Resource group

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- virtu
- gesource group
- virtual ma
- edu

resource groups using Bicep or Terraform

Overview

Subscription (move) : Azure for Students

Subscription ID : b41ac961-68e6-4692-b01f-36b19c9d502c

Tags (edit) : Add tags

Resources Recommendations

Filter for any field... Type equals all × Locate

No resources match your filters Try changing or clearing your filters.

+ Create Clear filters Learn more

Activity log Access control (IAM) Tags Resource visualizer Events Settings Cost Management Monitoring Automation Help

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Recent resources

Firewallis\_Tech Resource group

Azure for Students Subscription

Searching all subscriptions Give feedback

Show 1 - 0 of 0. Display count: auto

Give feedback

portal.azure.com/#view/HubsExtension/AssetMenuBlade/-/virtualnetworks/assetName/NetworkFoundation/extensionName/Microsoft\_Azure\_Network

Create virtual network - Mx +

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Home > 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 \* Firewallis\_Tech

[Create new](#)

### Instance details

Virtual network name \* Firewallis-VNet

Region \* (Asia Pacific) East Asia

[Deploy to an Azure Extended Zone](#)

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<http://go.microsoft.com/fwlink/?LinkId=2097844>

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## Create virtual network

Basics Security IP addresses Tags Review + create

Enhance the security of your virtual network with these additional paid security services. [Learn more](#)

**Virtual network encryption**

Enable Virtual network encryption to encrypt traffic traveling within the virtual network. Virtual machines must have accelerated networking enabled. Traffic to public IP addresses is not encrypted. [Learn more](#).

Virtual network encryption

**Azure Bastion**

Azure Bastion is a paid service that provides secure RDP/SSH connectivity to your virtual machines over TLS. When you connect via Azure Bastion, your virtual machines do not need a public IP address. [Learn more](#).

Enable Azure Bastion

**Azure Firewall**

Azure Firewall is a managed cloud-based network security service that protects your Azure Virtual Network resources. [Learn more](#).

Enable Azure Firewall

**Azure DDoS Network Protection**

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Add a subnet - Microsoft < +

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

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## Create virtual network

Basics Security IP addresses Tags Review + create

Configure your virtual network address space with the IPv4 and IPv6 addresses and subnets you need. [Learn more](#)

Define the address space of your virtual network with one or more IPv4 or IPv6 address ranges. Create subnets to segment the virtual network address space into smaller ranges for use by your applications. When you deploy resources into a subnet, Azure assigns the resource an IP address from the subnet. [Learn more](#)

Allocate using IP address pools. [Learn more](#)

+ Add a subnet

10.0.0.0/16	<a href="#">Delete address space</a>		
10.0.0.0	/16		
10.0.0.0 - 10.0.255.255			
65,536 addresses			
Subnets	IP address range	Size	NAT gateway

Add IPv4 address space

**Add a subnet**

Select an address space and configure your subnet. You can customize a default subnet or select from subnet templates if you plan to add select services later. [Learn more](#)

Subnet purpose  Default

Name \* Internal-Subnet

**IPv4**

Include an IPv4 address space

IPv4 address range 100.0.0/16  
10.0.0.0 - 10.0.255.255

Starting address \* 100.1.0

Size /24 (256 addresses)

Subnet address range 10.0.1.0 - 10.0.1.255

**IPv6**

Include an IPv6 address space  This virtual network has no IPv6 address ranges.

**Private subnet**

Private subnets enhance security by not providing default outbound access. To enable outbound connectivity for virtual machines to access the internet, it is necessary to explicitly grant outbound access. A NAT gateway is the recommended way to provide outbound connectivity for virtual machines in the subnet. [Learn more](#)

Enable private subnet (no default outbound access)

**After March 31, 2026, private subnet will be the default selection for new virtual networks.** [Learn more](#)

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Allocate using IP address pools. [Learn more](#)

+ Add a subnet

10.0.0.0/16		Delete address space	
10.0.0.0	/16		
10.0.0.0 - 10.0.255.255		65,536 addresses	
Subnets	IP address range	Size	NAT gateway
Internal-Subnet	10.0.1.0 - 10.0.1.255	/24 (256 addresses)	-

Add IPv4 address space

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Add a subnet - Microsoft < +

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Allocate using IP address pools. [Learn more](#)

+ Add a subnet

10.0.0.0/16	<input type="button" value="Delete address space"/>		
10.0.0.0	/16		
10.0.0.0 - 10.0.255.255 65,536 addresses			
Subnets	IP address range	Size	NAT gateway
Internal-Subnet	10.0.1.0 - 10.0.1.255	/24 (256 addresses)	-

Add IPv4 address space

**Add a subnet**

Select an address space and configure your subnet. You can customize a default subnet or select from subnet templates if you plan to add select services later. [Learn more](#)

Subnet purpose  Default  Private

Name \* DMZ-Subnet

**IPv4**

Include an IPv4 address space

IPv4 address range 100.0.0/16  
10.0.0.0 - 10.0.255.255

Starting address \* 100.2.0

Size /24 (256 addresses)

Subnet address range 10.0.2.0 - 10.0.2.255

**IPv6**

Include an IPv6 address space  This virtual network has no IPv6 address ranges.

**Private subnet**

Private subnets enhance security by not providing default outbound access. To enable outbound connectivity for virtual machines to access the internet, it is necessary to explicitly grant outbound access. A NAT gateway is the recommended way to provide outbound connectivity for virtual machines in the subnet. [Learn more](#)

Enable private subnet (no default outbound access)

i After March 31, 2026, private subnet will be the default selection for new virtual networks. [Learn more](#)

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

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## Create virtual network

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Allocate using IP address pools. [Learn more](#)

+ Add a subnet

10.0.0.0/16				<a href="#">Delete address space</a>
Subnets	IP address range	Size	NAT gateway	
Internal-Subnet	10.0.1.0 - 10.0.1.255	/24 (256 addresses)	-	<a href="#">Edit</a> <a href="#">Delete</a>
DMZ-Subnet	10.0.2.0 - 10.0.2.255	/24 (256 addresses)	-	<a href="#">Edit</a> <a href="#">Delete</a>

Add IPv4 address space

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## Create virtual network

Tags

Basics Security IP addresses Tags Review + create

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. [Learn more about tags](#)

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

Name	Value	Resource
<input type="text"/>	<input type="text"/>	All resources selected

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Create virtual network - Mx portal.azure.com/#create/Microsoft.VirtualNetwork

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## Create virtual network

Validation passed

Basics Security IP addresses Tags Review + create

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### Basics

Subscription	Azure for Students
Resource Group	Firewallis_Tech
Name	Firewallis-VNet
Region	East Asia

### 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	Internal-Subnet (10.0.1.0/24) (256 addresses)
Subnet	DMZ-Subnet (10.0.2.0/24) (256 addresses)

### Tags

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--- Initializing deployment...  
Initializing template deployment to resource group 'Firewallis\_Tech'.

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## Create virtual network

Deploying...

Basics Security IP addresses Tags Review + create

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### Basics

Subscription	Azure for Students
Resource Group	Firewallis_Tech
Name	Firewallis-VNet
Region	East Asia

### 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	Internal-Subnet (10.0.1.0/24) (256 addresses)
Subnet	DMZ-Subnet (10.0.2.0/24) (256 addresses)

### Tags

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Firewallis\_Tech - Microsoft Edge

portal.azure.com/#@devrahulchandrakargmail.onmicrosoft.com/resource/subscriptions/b41ac961-68e6-4692-b01f-36b19c9d502c/resourcegroups/Firewallis\_Tech/

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Microsoft Azure

Home > Firewallis\_Tech Resource group

Help me generate Terraform for this resource group configuration. How to manage changes with deployment tools? Generate Bicep code to duplicate this resource group.

Search + Create Manage view Delete resource group Refresh Export to CSV Open query Assign tags Move Delete Export template Open in mobile ... Group by none JSON View

Overview

Essentials

Subscription (move)	: Azure for Students	Deployments	: No deployments
Subscription ID	: b41ac961-68e6-4692-b01f-36b19c9d502c	Location	: East Asia
Tags (edit)	: Add tags		

Resources Recommendations

Filter for any field... Type equals all × Location equals all × + Add filter

Name ↑	Type	Location
Firewallis-VNet	Virtual network	East Asia

Showing 1 - 1 of 1. Display count: auto

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Name	Type	Last Viewed
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 Firewallis_Tech	Resource group	9 minutes ago
 Azure for Students	Subscription	2 hours ago

[See all](#)

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Create a resource - Micro x +

portal.azure.com/#view/Microsoft\_Azure\_Marketplace/PlusNew.ReactView/package/hub/additionalConfig-/{}/selectedMenuItemId/undefined/createLanding/undel ☆

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Design a new Azure workload I need a new low-cost VM Help me compare Azure services for my workload

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## Create a virtual machine

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

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 \* Firewallis\_Tech

[Create new](#)

**Instance details**

Virtual machine name \* Internal-Server

Region \* (Asia Pacific) East Asia

Deploy to an Azure Extended Zone

Availability options No infrastructure redundancy required

Security type Standard

Image \* Ubuntu Server 22.04 LTS - x64 Gen2

[See all images](#) | [Configure VM generation](#)

This image is compatible with additional security features. [Click here to swap to the](#)

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Create a virtual machine - x +

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

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Home > Create a resource >

## Create a virtual machine

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

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

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

**Size \*** Standard\_D2s\_v3 - (\$96.36/month) See all sizes

Enable Hibernation  Hibernate does not currently support Trusted Launch and Confidential virtual machines for Linux images. [Learn more](#)

**Administrator account**

Authentication type  Password

Username \* Rahul

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 \*  Allow selected ports

Select inbound ports \* SSH (22)

**⚠️ 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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portal.azure.com/#create/Microsoft.VirtualMachine

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## Create a virtual machine

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

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

Azure VMs have one operating system disk and a temporary disk for short-term storage. You can attach additional data disks. The size of the VM determines the type of storage you can use and the number of data disks allowed. [Learn more](#)

i There is a charge for the underlying storage resources consumed by your virtual machine. [Learn more](#)

**VM disk encryption**

Azure disk storage encryption automatically encrypts your data stored on Azure managed disks (OS and data disks) at rest by default when persisting it to the cloud.

Encryption at host  i Encryption at host is not registered for the selected subscription. [Learn more](#)

**OS disk**

OS disk size

OS disk type   
x ✓

Delete with VM

Key management

Enable Ultra Disk compatibility

**Data disks for Internal-Server**

You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.

LUN	Name	Size (GiB)	Disk type	Host caching	Delete with VM
-----	------	------------	-----------	--------------	----------------

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Create a virtual machine - x +

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## Create a virtual machine

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

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

Manage subnet configuration

Public IP  None  Basic  Advanced

NIC network security group  None  Basic  Advanced

Public inbound ports \*  None  Allow selected ports

Select inbound ports \* SSH (22)

**⚠ 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 NIC when VM is deleted

Enable accelerated networking

**Load balancing**

You can place this virtual machine in the backend pool of an existing Azure load balancing solution. [Learn more](#)

Load balancing options  None  Azure load balancer Supports all TCP/UDP network traffic, port-forwarding, and outbound flows.  Application gateway Web traffic load balancer for HTTP/HTTPS with URL-based routing, SSL termination, session persistence, and web application firewall.

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## Create a virtual machine

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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

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

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 \* Firewallis.Tech Create new

**Instance details**

Virtual machine name \* Internal-Server

Region \* (Asia Pacific) East Asia Deploy to an Azure Extended Zone

Availability options No infrastructure redundancy required

Security type Standard

Image \* Ubuntu Server 22.04 LTS - x64 Gen2

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## Create a virtual machine

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

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

**Size \*** Standard\_D2s\_v3 - 2 vcpus, 8 GiB memory (\$96.36/month) See all sizes

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

**Administrator account**

**Authentication type**  Password

**Username \*** RahulGG04637

**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 \***  Allow selected ports

**Select inbound ports \*** SSH (22)

**Warning:** 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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## Create a virtual machine

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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

Azure VMs have one operating system disk and a temporary disk for short-term storage. You can attach additional data disks. The size of the VM determines the type of storage you can use and the number of data disks allowed. [Learn more](#)

ⓘ There is a charge for the underlying storage resources consumed by your virtual machine. [Learn more](#)

**VM disk encryption**  
Azure disk storage encryption automatically encrypts your data stored on Azure managed disks (OS and data disks) at rest by default when persisting it to the cloud.

Encryption at host  ⓘ Encryption at host is not registered for the selected subscription. [Learn more](#)

**OS disk**

OS disk size  OS disk type \*

Delete with VM

Key management

Enable Ultra Disk compatibility

**Data disks for Internal-Server**  
You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.

LUN	Name	Size (GiB)	Disk type	Host caching	Delete with VM

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## Create a virtual machine

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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 \* Firewallis-VNet Create new

Subnet \* Internal-Subnet (10.0.10/24) Manage subnet configuration

Public IP \* (new) Internal-Server-ip Create new

Public IP addresses have a nominal charge. Estimate price

NIC network security group \* None Basic Advanced

Public inbound ports \* None Allow selected ports

Select inbound ports \* SSH (22)

**⚠ 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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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

Public IP (new) Internal-Server-ip Create new

Public IP addresses have a nominal charge. [Estimate price](#)

None Basic Advanced

Public inbound ports \* None Allow selected ports

Select inbound ports \* SSH (22)

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

Enable accelerated networking

### Load balancing

You can place this virtual machine in the backend pool of an existing Azure load balancing solution. [Learn more](#)

Load balancing options None

Azure load balancer Supports all TCP/UDP network traffic, port-forwarding, and outbound flows.

Application gateway Web traffic load balancer for HTTP/HTTPS with URL-based routing, SSL termination, session persistence, and web application firewall.

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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

Configure management options for your VM.

**Microsoft Defender for Cloud**

Microsoft Defender for Cloud provides unified security management and advanced threat protection across hybrid cloud workloads. [Learn more](#)

Your subscription is protected by Foundational Cloud Security Posture Management: Free Plan.

**Identity**

Enable system assigned managed identity

**Microsoft Entra ID**

Login with Microsoft Entra ID  RBAC role assignment of Virtual Machine Administrator Login or Virtual Machine User Login is required when using Microsoft Entra ID login. [Learn more](#)

Microsoft Entra ID login now uses SSH certificate-based authentication. You will need to use an SSH client that supports OpenSSH certificates. You can use Azure CLI or Cloud Shell from the Azure Portal. [Learn more](#)

**Auto-shutdown**

Enable auto-shutdown

**Backup**

Enable backup

**Guest OS updates**

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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

Configure monitoring options for your VM.

**Alerts**

Enable recommended alert rules

**Diagnostics**

Boot diagnostics   Enable with managed storage account (recommended)  Enable with custom storage account  Disable There is a nominal charge for the managed storage account.

Enable OS guest diagnostics

**Health**

Enable application health monitoring

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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

Add additional configuration, agents, scripts or applications via virtual machine extensions or cloud-init.

**Extensions**

Extensions provide post-deployment configuration and automation.

Extensions Select an extension to install

**VM applications**

VM applications contain application files that are securely and reliably downloaded on your VM after deployment. In addition to the application files, an install and uninstall script are included in the application. You can easily add or remove applications on your VM after create. [Learn more](#)

Select a VM application to install

**Custom data and cloud init**

Pass a cloud-init script, configuration file, or other data into the virtual machine **while it is being provisioned**. The data will be saved on the VM in a known location. [Learn more about custom data for VMs](#)

Custom data

Custom data on the selected image will be processed by cloud-init.  
[Learn more about custom data for VMs](#)

**User data**

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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

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Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. [Learn more about tags](#)

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

Name ⓘ	Value ⓘ	Resource
	:	13 selected

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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

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**Price**

1 X Standard D2s v3 by Microsoft Subscription credits apply ⓘ 0.1320 USD/hr Pricing for other VM sizes Terms of use | Privacy policy

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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.

Name: Rahul Chandrakar

Preferred e-mail address: devrahu.chandrakar@gmail.com

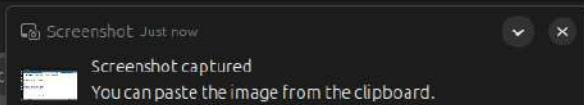
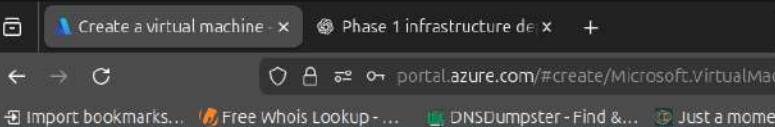
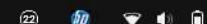
Preferred phone number:

**⚠ You have set SSH 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**

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## Create a virtual machine



Help me create a VM optimized for high availability

Help me create a low cost VM

Help me choose the right VM size for my workload

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

**⚠ You have set SSH 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	Firewallis_Tech
Virtual machine name	Internal-Server
Region	East Asia
Availability options	No infrastructure redundancy required
Zone options	Self-selected zone
Security type	Standard
Image	Ubuntu Server 22.04 LTS - Gen2
VM architecture	x64
Size	Standard D2s v3 (2 vcpus, 8 GiB memory)
Enable Hibernation	No
Authentication type	Password
Username	Rahul6604637
Public inbound ports	SSH
Azure Spot	No

### Disk

OS disk size	Image default
OS disk type	SSD (LRS)

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Validation passed

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Authentication type: Password  
Username: Rahul6604537  
Public inbound ports: SSH  
Azure Spot: No

Disk

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:	Firewallis-VNet
Subnet:	Internal-Subnet (10.0.1.0/24)
Public IP:	(new) Internal-Server-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:	Basic (free)
System assigned managed identity:	Off
Login with Microsoft Entra ID:	Off

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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

### Management

Microsoft Defender for Cloud	Basic (free)
System assigned managed identity	Off
Login with Microsoft Entra ID	Off
Auto-shutdown	Off
Backup	Disabled
Enable periodic assessment	Off
Enable hotpatch	Off
Patch orchestration options	Azure-orchestrated patching (preview): patches will be installed by Azure
Reboot setting	Reboot if required

### 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

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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

### Management

Microsoft Defender for Cloud	Basic (free)
System assigned managed identity	Off
Login with Microsoft Entra ID	Off
Auto-shutdown	Off
Backup	Disabled
Enable periodic assessment	Off
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Patch orchestration options	Azure-orchestrated patching (preview): patches will be installed by Azure
Reboot setting	Reboot if required

### 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

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--- Submitting deployment...  
Submitting the deployment template for resource group 'Firewallis\_Tech'.

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Validation passed

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### Management

Microsoft Defender for Cloud	Basic (free)
System assigned managed identity	Off
Login with Microsoft Entra ID	Off
Auto-shutdown	Off
Backup	Disabled
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Enable hotpatch	Off
Patch orchestration options	Azure-orchestrated patching (preview): patches will be installed by Azure
Reboot setting	Reboot if required

### 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

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--- Submitting deployment...  
Submitting the deployment template for resource group 'Firewallis\_Tech'.

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Home > CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20251222131947 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview Inputs Outputs Template

### Deployment is in progress

Deployment name: CreateVm-canonical.0001-com-ubuntu-server-j... Start time: 12/22/2025, 1:25:43 PM  
Subscription: Azure for Students Correlation ID: 588da3e2-a62a-46bb-8472-f02aad53ceb2

Resource group: Firewallis\_Tech

Deployment details

Resource	Type	Status	Operation details
internal-server769	Microsoft.Network/networkInterfaces	OK	<a href="#">Operation details</a>
Internal-Server-nsg	Microsoft.Network/networkSecurityGroups	OK	<a href="#">Operation details</a>
Internal-Server-ip	Microsoft.Network/publicIPAddresses	OK	<a href="#">Operation details</a>

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

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

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 \* **Firewallis.Tech** [Create new](#)

**Instance details**

Virtual machine name \* **Web-Server**

Region \* **(Asia Pacific) East Asia** [Deploy to an Azure Extended Zone](#)

Availability options **No infrastructure redundancy required**

Security type **Standard**

Image \* **Ubuntu Server 22.04 LTS - x64 Gen2**

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

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

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

Run with Azure Spot discount

Size \* Standard\_D2s\_v3 - 2 vcpus, 8 GiB memory (\$96.36/month) See all sizes

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

**Administrator account**

Authentication type  Password  SSH public key

Username \* Rahul6604637

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

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Basics Disks Networking Management Monitoring Advanced Tags Review + create

Azure VMs have one operating system disk and a temporary disk for short-term storage. You can attach additional data disks. The size of the VM determines the type of storage you can use and the number of data disks allowed. [Learn more](#)

i There is a charge for the underlying storage resources consumed by your virtual machine. [Learn more](#)

**VM disk encryption**  
Azure disk storage encryption automatically encrypts your data stored on Azure managed disks (OS and data disks) at rest by default when persisting it to the cloud.

Encryption at host  i Encryption at host is not registered for the selected subscription. [Learn more](#)

**OS disk**

OS disk size  OS disk type \*

Delete with VM

Key management

Enable Ultra Disk compatibility

**Data disks for Web-Server**  
You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.

LUN	Name	Size (GiB)	Disk type	Host caching	Delete with VM

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## Create a virtual machine

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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 \* Firewallis-VNet Create new

Subnet \* DMZ-Subnet (10.0.2.0/24) Manage subnet configuration

Public IP \* (new) Web-Server-ip Create new  
Public IP addresses have a nominal charge. [Estimate price](#)

NIC network security group \* None Basic Advanced

Public inbound ports \* None Allow selected ports

Select inbound ports \* HTTP (80), SSH (22)

**⚠ 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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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

Public IP (new) Web-Server-ip Create new

Public IP addresses have a nominal charge. [Estimate price](#)

None Basic Advanced

None Allow selected ports

Select inbound ports \* HTTP (80), SSH (22)

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

Enable accelerated networking

### Load balancing

You can place this virtual machine in the backend pool of an existing Azure load balancing solution. [Learn more](#)

Load balancing options None

Azure load balancer Supports all TCP/UDP network traffic, port-forwarding, and outbound flows.

Application gateway Web traffic load balancer for HTTP/HTTPS with URL-based routing, SSL termination, session persistence, and web application firewall.

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Image Viewer Just now  
"Screenshot from 2025-12-22 13-32-00.png" is ready

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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

Configure management options for your VM.

**Microsoft Defender for Cloud**

Microsoft Defender for Cloud provides unified security management and advanced threat protection across hybrid cloud workloads. [Learn more](#)

Your subscription is protected by Foundational Cloud Security Posture Management: Free Plan.

**Identity**

Enable system assigned managed identity

**Microsoft Entra ID**

Login with Microsoft Entra ID   
RBAC role assignment of Virtual Machine Administrator Login or Virtual Machine User Login is required when using Microsoft Entra ID login. [Learn more](#)

Microsoft Entra ID login now uses SSH certificate-based authentication. You will need to use an SSH client that supports OpenSSH certificates. You can use Azure CLI or Cloud Shell from the Azure Portal. [Learn more](#)

**Auto-shutdown**

Enable auto-shutdown

**Backup**

Enable backup

**Guest OS updates**

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## Create a virtual machine

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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

Configure monitoring options for your VM.

**Alerts**  
Enable recommended alert rules

**Diagnostics**  
Boot diagnostics   Enable with managed storage account (recommended)  
 Enable with custom storage account  
 Disable  
There is a nominal charge for the managed storage account.

Enable OS guest diagnostics

**Health**  
Enable application health monitoring

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## Create a virtual machine

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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

Add additional configuration, agents, scripts or applications via virtual machine extensions or cloud-init.

**Extensions**

Extensions Select an extension to install

**VM applications**

VM applications contain application files that are securely and reliably downloaded on your VM after deployment. In addition to the application files, an install and uninstall script are included in the application. You can easily add or remove applications on your VM after create. [Learn more](#)

Select a VM application to install

**Custom data and cloud init**

Pass a cloud-init script, configuration file, or other data into the virtual machine **while it is being provisioned**. The data will be saved on the VM in a known location. [Learn more about custom data for VMs](#)

Custom data

Custom data on the selected image will be processed by cloud-init.  
[Learn more about custom data for VMs](#)

**User data**

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

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## Create a virtual machine

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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

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. [Learn more about tags](#)

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

Name ⓘ	Value ⓘ	Resource
	:	13 selected ▾

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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

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**Price**

1 X Standard D2s v3 by Microsoft Subscription credits apply ⓘ 0.1320 USD/hr Pricing for other VM sizes Terms of use | Privacy policy

**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.

Name: Rahul Chandrakar

Preferred e-mail address: devrahulchandrakar@gmail.com

Preferred phone number:

**⚠ You have set SSH 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**

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## Create a virtual machine

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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	Firewallis_Tech
Virtual machine name	Web-Server
Region	East Asia
Availability options	No infrastructure redundancy required
Zone options	Self-selected zone
Security type	Standard
Image	Ubuntu Server 22.04 LTS - Gen2
VM architecture	x64
Size	Standard D2s v3 (2 vcpus, 8 GiB memory)
Enable Hibernation	No
Authentication type	Password
Username	RahulGG04537
Public inbound ports	SSH, HTTP
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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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

**Subnet:** DMZ-Subnet (10.0.2.0/24)  
**Public IP:** (new) Web-Server-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: Basic (free)  
System assigned managed identity: Off  
Login with Microsoft Entra ID: Off  
Auto-shutdown: Off  
Backup: Disabled  
Enable periodic assessment: Off  
Enable hotpatch: Off  
Patch orchestration options: Azure-orchestrated patching (preview): patches will be installed by Azure  
Reboot setting: Reboot if required

**Monitoring**

Alerts: Off  
Boot diagnostics: On  
Enable OS guest diagnostics: Off  
Enable application health monitoring: Off

**Advanced**

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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

### Management

Microsoft Defender for Cloud	Basic (free)
System assigned managed identity	Off
Login with Microsoft Entra ID	Off
Auto-shutdown	Off
Backup	Disabled
Enable periodic assessment	Off
Enable hotpatch	Off
Patch orchestration options	Azure-orchestrated patching (preview): patches will be installed by Azure
Reboot setting	Reboot if required

### 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

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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

**Management**

Microsoft Defender for Cloud	Basic (free)
System assigned managed identity	Off
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Patch orchestration options	Azure-orchestrated patching (preview): patches will be installed by Azure
Reboot setting	Reboot if required

**Monitoring**

Alerts	Off
Boot diagnostics	On
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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

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--- Initializing deployment...  
Initializing template deployment to resource group 'Firewallis\_Tech'. devrahu1chandrakar@g...

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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

### Management

Microsoft Defender for Cloud	Basic (free)
System assigned managed identity	Off
Login with Microsoft Entra ID	Off
Auto-shutdown	Off
Backup	Disabled
Enable periodic assessment	Off
Enable hotpatch	Off
Patch orchestration options	Azure-orchestrated patching (preview): patches will be installed by Azure
Reboot setting	Reboot if required

### 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

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--- Submitting deployment...  
Submitting the deployment template for resource group 'Firewallis\_Tech'.

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Home > CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20251222132823 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview Inputs Outputs Template

### Deployment is in progress

Deployment name: CreateVm-canonical.0001-com-ubuntu-server-j... Start time: 12/22/2025, 1:33:02 PM  
Subscription: Azure for Students Correlation ID: 054ddadd-9319-4e5a-9835-bcb19efedec0

Deployment details

Resource	Type	Status	Operation details
No results.			

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Firewallis_Tech	Resource group	a few seconds ago
Internal-Server-ip	Public IP address	6 minutes ago
internal-server769	Network interface	6 minutes ago
Internal-Server-nsg	Network security group	6 minutes ago
Internal-Server	Virtual machine	6 minutes ago
Firewallis-VNet	Virtual network	2 hours ago
Azure for Students	Subscription	20 hours ago

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## Create a virtual machine

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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

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

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 \* Firewallis.Tech [Create new](#)

**Instance details**

Virtual machine name \* SIEM-Server

Region \* (Asia Pacific) East Asia [Deploy to an Azure Extended Zone](#)

Availability options No infrastructure redundancy required

Security type Standard

Image \* Ubuntu Server 22.04 LTS - x64 Gen2

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## Create a virtual machine

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

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

**Size \*** Standard\_D2s\_v3 - 2 vcpus, 8 GB memory (\$96.36/month) See all sizes

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

**Administrator account**

**Authentication type**  Password

**Username \*** Rahul6604637

**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 \***  Allow selected ports

**Select inbound ports \*** SSH (22)

**Warning:** 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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Basics Disks Networking Management Monitoring Advanced Tags Review + create

Azure VMs have one operating system disk and a temporary disk for short-term storage. You can attach additional data disks. The size of the VM determines the type of storage you can use and the number of data disks allowed. [Learn more](#)

i There is a charge for the underlying storage resources consumed by your virtual machine. [Learn more](#)

**VM disk encryption**  
Azure disk storage encryption automatically encrypts your data stored on Azure managed disks (OS and data disks) at rest by default when persisting it to the cloud.

Encryption at host  i Encryption at host is not registered for the selected subscription. [Learn more](#)

**OS disk**

OS disk size  OS disk type \*

Delete with VM

Key management

Enable Ultra Disk compatibility

**Data disks for SIEM-Server**  
You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.

LUN	Name	Size (GiB)	Disk type	Host caching	Delete with VM

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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 \* Firewallis-VNet Create new

Subnet \* Internal-Subnet (10.0.10/24) Manage subnet configuration

Public IP \* (new) SIEM-Server-ip Create new  
Public IP addresses have a nominal charge. [Estimate price](#)

NIC network security group \* None Basic Advanced

Public inbound ports \* None Allow selected ports

Select inbound ports \* SSH (22)

**⚠ 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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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

Public IP (new) SIEM-Server-ip Create new

Public IP addresses have a nominal charge. [Estimate price](#)

NIC network security group None Basic Advanced

Public inbound ports \* None Allow selected ports

Select inbound ports \* SSH (22)

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

Enable accelerated networking

### Load balancing

You can place this virtual machine in the backend pool of an existing Azure load balancing solution. [Learn more](#)

Load balancing options None Azure load balancer Application gateway

Supports all TCP/UDP network traffic, port-forwarding, and outbound flows.

Web traffic load balancer for HTTP/HTTPS with URL-based routing, SSL termination, session persistence, and web application firewall.

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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

Configure management options for your VM.

**Microsoft Defender for Cloud**

Microsoft Defender for Cloud provides unified security management and advanced threat protection across hybrid cloud workloads. [Learn more](#)

Your subscription is protected by Foundational Cloud Security Posture Management: Free Plan.

**Identity**

Enable system assigned managed identity

**Microsoft Entra ID**

Login with Microsoft Entra ID  RBAC role assignment of Virtual Machine Administrator Login or Virtual Machine User Login is required when using Microsoft Entra ID login. [Learn more](#)

Microsoft Entra ID login now uses SSH certificate-based authentication. You will need to use an SSH client that supports OpenSSH certificates. You can use Azure CLI or Cloud Shell from the Azure Portal. [Learn more](#)

**Auto-shutdown**

Enable auto-shutdown

**Backup**

Enable backup

**Guest OS updates**

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## Create a virtual machine

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

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

Configure monitoring options for your VM.

**Alerts**

Enable recommended alert rules

**Diagnostics**

Boot diagnostics   Enable with managed storage account (recommended)  Enable with custom storage account  Disable There is a nominal charge for the managed storage account.

Enable OS guest diagnostics

**Health**

Enable application health monitoring

< Previous Next : Advanced > Review + create Give feedback

Dec 22, 13:39

Screenshot Just now  
Screenshot captured  
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Microsoft Azure

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## Create a virtual machine

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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

Add additional configuration, agents, scripts or applications via virtual machine extensions or cloud-init.

**Extensions**

Extensions provide post-deployment configuration and automation.

Select an extension to install

**VM applications**

VM applications contain application files that are securely and reliably downloaded on your VM after deployment. In addition to the application files, an install and uninstall script are included in the application. You can easily add or remove applications on your VM after create. [Learn more](#)

Select a VM application to install

**Custom data and cloud init**

Pass a cloud-init script, configuration file, or other data into the virtual machine **while it is being provisioned**. The data will be saved on the VM in a known location. [Learn more about custom data for VMs](#)

Custom data

Custom data on the selected image will be processed by cloud-init.  
[Learn more about custom data for VMs](#)

**User data**

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## Create a virtual machine

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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

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Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. [Learn more about tags](#)

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

Name	Value	Resource
		13 selected

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## Create a virtual machine

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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

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### Price

1 X Standard B2as v2 by Microsoft Subscription credits apply ⓘ 0.1050 USD/hr Pricing for other VM sizes

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### 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.

Name: Rahul Chandrakar

Preferred e-mail address: devrahu.chandrakar@gmail.com

Preferred phone number:

**⚠ You have set SSH 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

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## Create a virtual machine

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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	Firewallis_Tech
Virtual machine name	SIEM-Server
Region	East Asia
Availability options	No infrastructure redundancy required
Zone options	Self-selected zone
Security type	Standard
Image	Ubuntu Server 22.04 LTS - Gen2
VM architecture	x64
Size	Standard B2as v2 (2 vcpus, 8 GiB memory)
Enable Hibernation	No
Authentication type	Password
Username	Rahul6604537
Public inbound ports	SSH
Azure Spot	No

### Disk

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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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

Ephemeral OS disk No

**Networking**

Virtual network Firewallis-VNet	
Subnet Internal-Subnet (10.0.1.0/24)	
Public IP (new) SIEM-Server-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 Basic (free)	
System assigned managed identity Off	
Login with Microsoft Entra ID Off	
Auto-shutdown Off	
Backup Disabled	
Enable periodic assessment Off	
Enable hotpatch Off	
Patch orchestration options Azure-orchestrated patching (preview): patches will be installed by Azure	
Reboot setting Reboot if required	

**Monitoring**

Alerts Off	
------------	--

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## Create a virtual machine

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

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

### Management

Microsoft Defender for Cloud	Basic (free)
System assigned managed identity	Off
Login with Microsoft Entra ID	Off
Auto-shutdown	Off
Backup	Disabled
Enable periodic assessment	Off
Enable hotpatch	Off
Patch orchestration options	Azure-orchestrated patching (preview): patches will be installed by Azure
Reboot setting	Reboot if required

### 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

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**Create a virtual machine**

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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

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Microsoft Defender for Cloud	Basic (free)
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Enable hotpatch	Off
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Reboot setting	Reboot if required

**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

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--- Submitting deployment...  
Submitting the deployment template for resource group 'Firewallis\_Tech'.

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**CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20251222133448 | Overview**

Deployment

Search

Overview

Inputs

Outputs

Template

...

--- Deployment in progress...  
Deployment to resource group 'Firewallis\_Tech' is in progress.

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Microsoft Azure | portal.azure.com #view/HubsExtension/DeploymentDetailsBlade/-/overview/id/%2Fb41ac961-68e6-4692-b01f-36b19c9d502c%2Fresource

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Microsoft Azure | CreateVm-canonical.0001 | Overview

Deployment succeeded Deployment 'CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20251222133448' to resource group 'Firewallis\_Tech' was successful.

Go to resource Pin to dashboard

Your deployment is complete

Deployment name: CreateVm-canonical.0001-com-ubuntu-server-j... Start time: 12/22/2025, 1:49:52 PM  
Subscription: Azure for Students Correlation ID: b1f1795a-424f-4386-b0ed-6235f3e01006

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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resource



Virtual  
machines



Resource  
groups



Deployment  
Scripts



Virtual  
networks



Education



All resources



Quickstart  
Center



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More services

### Resources

Recent Favorite

Name	Type	Last Viewed
SIEM-Server	Virtual machine	a few seconds ago
Firewallis_Tech	Resource group	a few seconds ago
Web-Server-ip	Public IP address	16 minutes ago
Web-Server-ns	Network security group	16 minutes ago
web-server398	Network Interface	16 minutes ago
Web-Server	Virtual machine	16 minutes ago
Internal-Server-ip	Public IP address	23 minutes ago
internal-server769	Network interface	23 minutes ago
Internal-Server-ns	Network security group	23 minutes ago
Internal Server	Virtual machine	23 minutes ago
Firewallis-VNet	Virtual network	2 hours ago
Azure for Students	Subscription	20 hours ago

See all

### Navigate



Subscriptions



Resource groups



All resources



Dashboard

Dec 22 16:55

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Internal-Server Virtual machine

Help me copy this VM in any region Manage this VM with Azure CLI

Adviser (1 of 3): Use Azure Capacity Reservation for virtual machine (VM) → Help me copy this VM in any region

Search Connect Start Restart Stop Hibernate Capture Delete Refresh Open in mobile Feedback CLI / PS

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Resource visualizer Connect Networking Settings Availability + scale Security Backup + disaster recovery Operations Monitoring Automation Help

JSON View

**Essentials**

Resource group ( <a href="#">move</a> )	: Firewallis_Tech	Operating system	: Linux (ubuntu 22.04)
Status	: Running	Size	: Standard D2s v3 (2 vcpus, 8 GiB memory)
Location	: East Asia	Primary NIC public IP	: <a href="#">20.24.65.85</a> <a href="#">1 associated public IPs</a>
Subscription ( <a href="#">move</a> )	: Azure for Students	Virtual network/subnet	: <a href="#">Firewallis-VNet/Internal-Subnet</a>
Subscription ID	: b41ac961-68e6-4692-b01f-36b19c9d502c	DNS name	: Not configured
		Health state	: -
		Time created	: 12/22/2025, 7:56 AM UTC

Tags ([edit](#)) : [Add tags](#)

**Properties** Monitoring Capabilities (7) Recommendations (3) Tutorials

**Virtual machine**

Computer name	Internal-Server
Operating system	Linux (ubuntu 22.04)
VM generation	V2
VM architecture	x64
Agent status	Ready
Agent version	2.15.0.1
Hibernation	Disabled
Host group	-
Host	-

**Networking**

Public IP address	: <a href="#">20.24.65.85</a> ( Network interface <a href="#">internal-server769</a> ) 1 associated public IPs
Public IP address (IPv6)	: -
Private IP address	: 10.0.1.4
Private IP address (IPv6)	: -
Virtual network/subnet	: <a href="#">Firewallis-VNet/Internal-Subnet</a>
DNS name	: <a href="#">Configure</a>

**Size**

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Dec 22 17:02

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Internal-Server | Connect Virtual machine

Native SSH

Source machine

Source machine OS: Windows  
Source IP address: Local IP | 59.95.31.48 Connecting over a VPN?

Destination VM

VM IP address: Public IP | 20.24.65.85  
VM port: 22

Connection prerequisites

VM access: Check inbound NSG rules

SSH command

Execute in your choice of local shell: ssh Rahul6604637@20.24.65.85  
Forgot password? Reset password

More ways to connect (4)

AZURE PORTAL LOCAL MACHINE

SSH using Azure CLI

Quickly connect in browser. Supports Microsoft Entra ID authentication. Private key not required.

Connect via Azure CLI

AZURE PORTAL LOCAL MACHINE

Bastion (Basic, Standard, or Premium)

Advanced capabilities including custom inbound port, RDP on desktop, and host scaling. Learn more

Go to Bastion

Save changes Close Troubleshooting Give feedback

Search resources, services, and docs (G+)

Copilot

Refresh

Connect from Azure portal Connect from local machine

Source machine

Source IP address: Any IP

Destination VM

VM IP address: Public IP | 20.24.65.85  
VM port: 22

Connection prerequisites

VM administrator login role: Configured  
Microsoft Entra ID SSH extension: Configured  
System assigned managed identity: Configured  
VM access: Port 22 is accessible from source IP(s) View applied NSG rules  
Configure + Check access

Connect using Cloud Shell

Connect

Dec 22 17:04

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portal.azure.com/#@devrahu1chandrakargmail.onmicrosoft.com/resource/subscriptions/b41ac961-68e6-4692-b01f-36b19c9d502c/resourceGroups/Firewallis\_Tech/

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Overview Refresh Reset password or keys Manage JIT Troubleshoot Feedback

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Switch to PowerShell Restart Manage files New session Editor Web preview Settings Help

Requesting a Cloud Shell. Succeeded. Connecting terminal...

Welcome to Azure Cloud Shell

Type "az" to use Azure CLI  
Type "help" to learn about Cloud Shell

Subscription used to launch your CloudShell b41ac961-68e6-4692-b01f-36b19c9d502c is not registered to Microsoft.CloudShell Namespace. Please follow these instructions "<https://aka.ms/RegisterCloudShell>" to register. In future, unregistered subscriptions will have restricted access to CloudShell service.

Your Cloud Shell session will be ephemeral so no files or system changes will persist beyond your current session.

```
rahul [ - ]$ az ssh vm --resource-group Firewallis_Tech --vm-name Internal-Server --subscription b41ac961-68e6-4692-b01f-36b19c9d502c
OpenSSH 9.8p1, OpenSSL 3.3.5 30 Sep 2025
The authenticity of host '20.24.65.85 (20.24.65.85)' can't be established.
ED25519 key fingerprint is SHA256:7gwB0cAS4jwoLuhGyg0dLm0Uihg9C0R1rVrP1J697eQ.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes[]
```

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Switch to PowerShell Restart Manage files New session Editor Web preview Settings Help

Welcome to Ubuntu 22.04.5 LTS (GNU/Linux 6.8.0-1044-azure x86\_64)

\* Documentation: <https://help.ubuntu.com>  
\* Management: <https://landscape.canonical.com>  
\* Support: <https://ubuntu.com/pro>

System information as of Mon Dec 22 11:34:35 UTC 2025

System load: 0.02	Processes: 119
Usage of /: 6.4% of 28.89GB	Users logged in: 0
Memory usage: 4%	IPv4 address for eth0: 10.0.1.4
Swap usage: 0%	

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.  
See <https://ubuntu.com/esm> or run: sudo pro status

The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/\*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo\_root" for details.

devrahulchandrakar@gmail.com@Internal-Server:~\$

Dec 22 17:06

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Home > Internal-Server

## Internal-Server | Connect

Virtual machine

Search Overview Activity log Access control (IAM) Tags Diagnose and solve problems Resource visualizer Connect Connect Bastion

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Connection prerequisites

Native SSH

MOST POPULAR LOCAL MACHINE

Source machine

Source machine OS: Windows  
Source IP address: Local IP | 59.95.31.48 Connecting over a VPN?

Destination VM

VM IP address: Public IP | 20.24.65.85  
VM port: 22

SSH using Azure CLI

Connect from the Azure portal Connect from local machine

Source machine

Source IP address: Any IP

Destination VM

VM IP address: Public IP | 20.24.65.85  
VM port: 22

Save changes Close Troubleshooting Give feedback

Switch to PowerShell Restart Manage files New session Editor Web preview Settings Help

Expanded Security Maintenance for Applications is not enabled.  
0 updates can be applied immediately.  
Enable ESM Apps to receive additional future security updates.  
See <https://ubuntu.com/esm> or run: sudo pro status

The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/\*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo\_root" for details.

```
devrahlchandrakar@gmail.com@Internal-Server:~$ ssh Rahul6604637@20.24.65.85
```

Dec 22 17:06

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portal.azure.com/#@devrahulchandrakargmail.onmicrosoft.com/resource/subscriptions/b41ac951-68eb-4692-b01f-36b19c9d502c/resourceGroups/Firewallis\_Tech/

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## Internal-Server | Connect

Virtual machine

Search

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Connect

Connect

Bastion

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Native SSH

MOST POPULAR LOCAL MACHINE

Source machine

Source machine OS: Windows

Source IP address: Local IP | 59.95.31.48 Connecting over a VPN?

Destination VM

VM IP address: Public IP | 20.24.65.85

VM port: 22

Connect from Azure portal

Connect from local machine

Source machine

Source IP address: Any IP

Destination VM

VM IP address: Public IP | 20.24.65.85

VM port: 22

Save changes Close Troubleshooting Give feedback

Enable ESM Apps to receive additional future security updates.  
See <https://ubuntu.com/esm> or run: sudo pro status

The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/\*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo\_root" for details.

```
devrahulchandrakar@gmail.com@Internal-Server:~$ ssh Rahul6604637@20.24.65.85
The authenticity of host '20.24.65.85 (20.24.65.85)' can't be established.
ED25519 key fingerprint is SHA256:7gWB0cAS4jwoLUhGyg0dLm0UihG9C0RIrVrPlJ697eQ.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
```

Dec 22 17:07

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portal.azure.com/#@devrahulchandrakargmail.onmicrosoft.com/resource/subscriptions/b41ac951-68eb-4692-b01f-36b19c9d502c/resourceGroups/Firewallis\_Tech/

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## Internal-Server | Connect

Virtual machine

Search

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Resource visualizer Connect Connect Bastion

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Connection prerequisites

Now view, configure, and even save your connection settings — all in one place. Have comments or suggestions for our team? Click here to let us know.

Refresh Reset password or keys Manage JIT Troubleshoot Feedback

### Native SSH

MOST POPULAR LOCAL MACHINE

Source machine

Source machine OS: Windows  
Source IP address: Local IP | 59.95.31.48 Connecting over a VPN?

Destination VM

VM IP address: Public IP | 20.24.65.85  
VM port: 22

Save changes Close Troubleshooting Give feedback

### SSH using Azure CLI

Connect from the Azure portal

Refresh

Connect from Azure portal Connect from local machine

Source machine

Source IP address: Any IP

Destination VM

VM IP address: Public IP | 20.24.65.85  
VM port: 22

Save changes Close Troubleshooting Give feedback

Switch to PowerShell Restart Manage files New session Editor Web preview Settings Help

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates. See <https://ubuntu.com/esm> or run: sudo pro status

New release '24.04.3 LTS' available.  
Run 'do-release-upgrade' to upgrade to it.

The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/\*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo\_root" for details.

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