

# How to obtain Static IP from Microsoft Azure

# Search Microsoft Azure

 Microsoft Azure  
<https://azure.microsoft.com>

## Microsoft Azure: Cloud Computing Services

Transform the way you work · Optimize your infrastructure with popular **Azure** solutions and services. · Create today's solutions and tomorrow's breakthroughs.

### IP Addresses pricing

All Instance level public IPv4 addresses (ILPIP) are charged ...



### Azure

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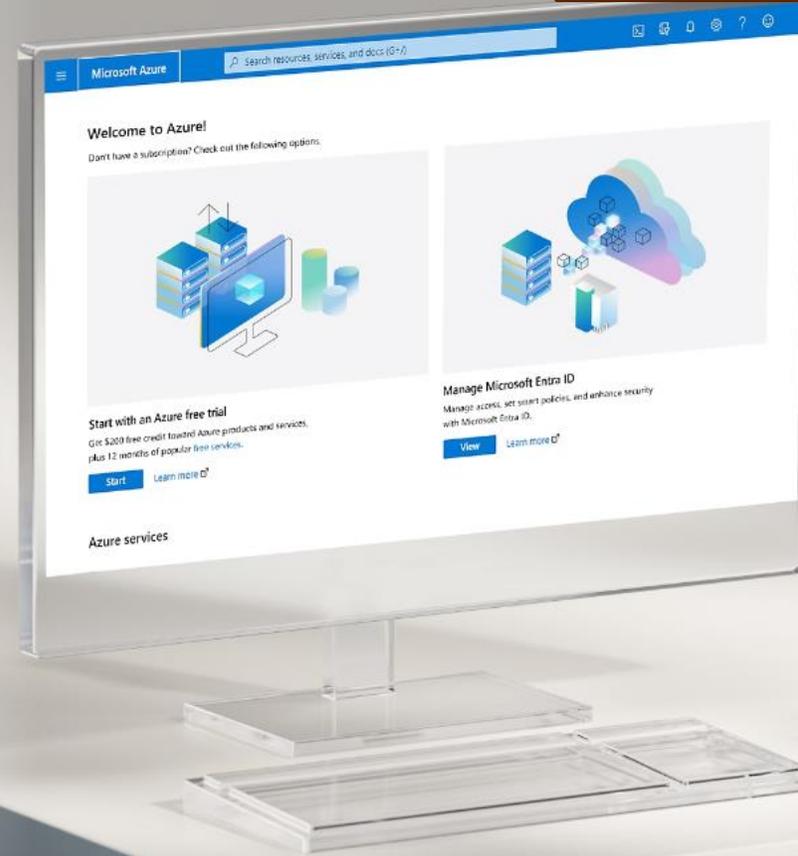
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# Network foundation | Public IP addresses

Preview

Search

- Overview
- Virtual network
  - Virtual Network overview
  - Virtual networks
  - NAT gateways
  - Public IP addresses**
  - Network interfaces
  - Network security groups
  - Application security groups
  - Bastions
  - Route tables
- Monitoring and management

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Start

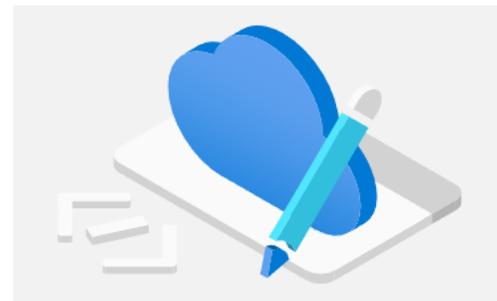


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Manage access, set smart policies, and enhance security with Microsoft Entra ID.

View

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public IP addresses

Type in Search Bar: Public IP Addresses

Azure services

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- Documentation (99+)
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Resources

- Recent
- Favorite

Name

- Subscriptions
- Pipelines
- OracleSubscriptions
- Documentation
  - Public IP addresses in Azure - Azure Virtual Network
  - Azure virtual network service endpoints
  - Upgrade Basic Public IP Address to Standard SKU in Azure
  - Source Network Address Translation (SNAT) for outbound connections - Azure Loa...

Continue searching in Microsoft Entra ID  
Searching all subscriptions. Give feedback

Navigate

- Subscriptions
- Resource groups
- All resources
- Dashboard



# Network foundation | Public IP addresses

Preview

- + Create
- ⚙️ Manage view
- 🔄 Refresh
- ⬇️ Export to CSV
- 🔗 Open query
- 🏷️ Assign tags
- 🗑️ Delete

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

Showing 0 to 0 of 0 records.

No grouping List view

Name ↑↓	Resource group ↑↓	Location ↑↓	Subscription ↑↓
---------	-------------------	-------------	-----------------



## No public IP addresses to display

Public IP addresses allow internet resources to communicate inbound to your Azure resources. You can also associate public IP addresses to Azure resources, like virtual machines, to communicate to the internet and public facing Azure services.

+ Create public IP address

[Learn more](#)

Click on Create public IP address

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- Private Link
- DNS
- Monitoring and management

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# Create public IP address

Basics DDoS Protection Tags Review + create

Create a public IP address. Associate it with a virtual machine or other Azure resources. Internet resources communicate to Azure resources through a public IP address. [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 \* ⓘ

Resource group \* ⓘ

[Create new](#)

1. Click on "Create new" on Resource group

### Instance details

Region \*

[Deploy to an Azure Extended Zone](#)

2. Select region

3. Click on Next

Previous Next Review + create

[Give feedback](#)



# Create public IP address

- Basics
- DDoS Protection
- Tags
- Review + create

1. Provide a name to your IP

## Configuration details

Name \*

IP Version \*  IPv4  IPv6

SKU \*  Standard

Availability zone \*

Tier \*  Regional  Global

2. Click on Review + create

- Previous
- Next
- Review + create

Give feedback



# Create public IP address

Validation passed

Basics DDoS Protection Tags Review + create

## Basics

Subscription	Azure subscription 1
Resource group	<input type="text"/>
Region	centralindia
Name	<input type="text"/>
IP Version	IPv4
SKU	Standard
Tier	Regional
Availability zone	Zone-redundant
IP address assignment	Static
Routing preference	MicrosoftNetwork
Idle timeout (minutes)	4
DNS name label	-
Domain name label scope (preview)	None

Click on Create

Previous Next **Create** Download a template for automation

Give feedback



Home >

# PublicIPAddress-ARM | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

- Overview
- Inputs
- Outputs
- Template

## ✔ Your deployment is complete

Deployment name : PublicIPAddress-ARM      Start time : 7/23/2025, 9:42:38 PM  
 Subscription : [Azure subscription 1](#)      Correlation ID [redacted]  
 Resource group : [redacted]

> Deployment details

∨ Next steps

[Go to resource](#)

Click on Go to resource

Give feedback

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### Cost management

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Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support. [Find an Azure expert >](#)

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Your static IP is created

Public IP address

Search

- Overview
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- Access control (IAM)
- Tags
- Resource visualizer
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- Automation
- Help

Associate Dissociate Delete Move Refresh Open in mobile Give feedback

Essentials

Resource group (move)	:		SKU	:	Standard
Location (move)	:	Central India	Tier	:	Regional
Subscription (move)	:	Azure subscription 1	IP address	:	
Subscription ID	:		DNS name	:	-
			Domain name label scope	:	-
			Associated to	:	-
			Virtual machine	:	-
			Routing preference	:	Microsoft network

Tags (edit) : Add tags

Get Started Properties Tutorials

Use public IP addresses for public connections to Azure resources

Associate and configure public IP addresses to various Azure resources Learn more.



Associate to a resource

Associate your public IP address to an Azure



Configure a public IP address

Configure a DNS idle time, name, and alias record



Protect IP address

Configure a firewall rule to protect your IP address

Add or remove favorites by pressing Ctrl+Shift+F



virtual machine

Type "Virtual Machines" in search bar

All Services (27) Marketplace (31) More (4)

Virtual machines

Virtual Machine Consoles (Operator Nexus)

Virtual machine scale sets

Virtual machines (classic)

Marketplace See more

Virtual machine

Free account virtual machine

Azure SQL

Virtual machine scale set

Documentation See more

Quickstart - Create a Windows VM in the Azure portal - Azure Virtual Machines

What is Azure role-based access control (Azure RBAC)?

Linux on Azure - Training

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Create a resource Virtual machines

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Azure Monitor

Microsoft Defender for Cloud

Cost Management

Storage accounts SQL databases More services

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a few seconds ago  
10 minutes ago

Dashboard



# Compute infrastructure | Virtual machines

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- > Capacity + placement
- > Related services
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Virtual machines Get started

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[Start](#)
[Group by none](#)

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Filter for any field...
 Subscription equals all
 Type equals all
 Resource Group equals all
 Location equals all
 Add filter



## No virtual machines to display

Create a virtual machine that runs Linux or Windows. Select an image from the marketplace or use your own customized image.

+ Create

Click on Create

[Learn more about Windows virtual machines](#)

[Learn more about Linux virtual machines](#)

Showing 1 - 0 of 0. Display count: auto

Give feedback

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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

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* ⓘ Azure subscription 1

Resource group \* ⓘ  Create new

### Instance details

Virtual machine name \* ⓘ  ✓

Region \* ⓘ (Asia Pacific) Central India

Availability options ⓘ No infrastructure redundancy required

Security type ⓘ Standard

Image \* ⓘ Windows Server 2025 Datacenter: Azure Edition - x64 Gen2  
[See all images](#) | [Configure VM generation](#)

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

VM architecture ⓘ  Arm64

Enter your Virtual Machine name

Select Virtual Machine Configure as per your requirements

- < Previous
- Next : Disks >
- Review + create

[Give feedback](#)



# 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

VM architecture <sup>ⓘ</sup>

Arm64

x64

Run with Azure Spot discount <sup>ⓘ</sup>

Size \* <sup>ⓘ</sup>

Standard\_D2s\_v3 - 2 vcpus, 8 GiB memory (\$76.65/month) <sup>⌵</sup>

[See all sizes](#)

Enable Hibernation <sup>ⓘ</sup>

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

**Administrator account**

Authentication type <sup>ⓘ</sup>

SSH public key

Password

<sup>i</sup> Azure now automatically generates an SSH key pair for you and allows you to store it for future use. It is a fast, simple, and secure way to connect to your virtual machine.

Username \* <sup>ⓘ</sup>

SSH public key source  <sup>⌵</sup>

Select memory size as per your requirements

- < Previous
- Next : Disks >
- Review + create

<sup>⌵</sup> Give feedback



# Create a virtual machine

- Help me create a low cost VM
- Help me create a VM optimized for high availability
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SSH public key source: Generate new key pair

SSH Key Type:
 

- RSA SSH Format
- Ed25519 SSH Format

Ed25519 provides a fixed security level of no more than 128 bits for 256-bit key, while RSA could offer better security with keys longer than 3072 bits.

Key pair name \*: myvmkey ✓

Create a Key Pair name

## 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

Select inbound ports \*: SSH (22)

This will allow all IP addresses to access your virtual machine. This is only... in the Networking tab to... sses.

Click on Next : Disks >

- < Previous
- Next : Disks >
- Review + create

Give feedback



# 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

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](#)

## 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

Select OS disk type as per your requirements

Click on Next : Networking >

< Previous   Next : Networking >   Review + create

[Give feedback](#)



# 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

- 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 \* ⓘ  [Create new](#)

Subnet \* ⓘ  [Create new](#)

Public IP ⓘ  [Create new](#)

NIC network security group ⓘ  None  Basic  Advanced

Public inbound ports \* ⓘ

**Click on Next : Management >**

- < Previous
- Next : Management >**
- Review + create

[Give feedback](#)



# 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

- Basics
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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](#)

Enable basic plan for free  This will apply to every VM in the selected subscription

## 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 certificates. You can use Azure CLI or Cloud Shell from the Azure Portal. [Learn more](#)

**Click on Review + create**

- < Previous
- Next : Monitoring >
- Review + create**

Give feedback



# Create a virtual machine

Validation passed

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

- Basics
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- Review + create**

## Price

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

Subscription credits apply ⓘ  
 [Redacted]  
[Pricing for other VM sizes](#)

## TERMS

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

Name

Preferred e-mail address

**Click on Create**

- < Previous
- Next >
- Create**

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# Create a virtual machine

Validation passed

- Help me create a low cost VM
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- Help me choose the right VM size for my workload

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- Review + create**

## Price

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by Microsoft  
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Subscription credits apply ⓘ  
Pricing for other VM sizes

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Name

Preferred e-mail address

### Generate new key pair

**i** An SSH key pair contains both a public key and a private key. **Azure doesn't store the private key.** After the SSH key resource is created, you won't be able to download the private key again. [Learn more](#)

**Download private key and create resource**

Return to create a virtual machine

Click on "Download private key and create resource"

- < Previous
- Next >
- Create**

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Your Virtual Machine is created

Virtual machine [Name] [Star] [Bookmark]

Search

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- Connect
  - Connect
  - Bastion
- Networking
  - Network settings
  - Load balancing
  - Application security groups
  - Network manager
- Settings
- Availability + scale

Add or remove favorites by pressing Ctrl+Shift+F

Help me copy this VM in any region

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

Health state : -  
 Time created : 7/23/2025, 5:08 PM UTC

Tags (edit) : Add tags

- Properties
- Monitoring
- Capabilities (7)
- Recommendations
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Virtual machine	
Computer name	[Redacted]
Operating system	Linux (ubuntu 22.04)
VM generation	V2
VM architecture	x64
Agent status	Ready
Agent version	[Redacted]
Hibernation	Disabled
Host group	-
Host	-
Proximity placement group	-
Colocation status	N/A
Capacity reservation group	-

Networking	
Public IP address	[Redacted] Network interface [Redacted]
Public IP address (IPv6)	-
Private IP address	[Redacted]
Private IP address (IPv6)	-
Virtual network/subnet	[Redacted]
DNS name	Configure

Size	
Size	Standard D2s v3
vCPUs	2
RAM	8 GiB

Source image details

Click on the name of your Network interface





Search

Move Delete Refresh Edit accelerated networking

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  - Network security group
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- Monitoring
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- Help

Essentials

Resource group (move) : [redacted]

Location (move) : Central India

Subscription (move) : [Azure subscription 1](#)

Subscription ID : [redacted]

Accelerated networking : Disabled

Virtual network/subnet : [redacted]

Private IPv4 address : [redacted]

Public IPv4 address : [redacted]

Private IPv6 address : -

Public IPv6 address : -

Attached to : [redacted]

Type : Regular

Tags (edit) : Add tags

Get started Properties

Under Settings, click on IP Configurations

Enable Azure resources to communicate with each other

A network interface allows Azure resources to communicate with the internet, and on-premises resources. [Learn more](#)



# IP configurations

Search

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## IP Settings

Enable IP forwarding

Virtual network: [utkarsh-vnet](#)

Gateway load balancer:

Subnet:  250 free IP addresses

Private and public IP addresses can be assigned to a virtual machine's network interface controller. You can add as many private and public IPv4 addresses as necessary to a network interface, within the limits listed in the [Azure limits article](#). [Learn more](#)

[+](#) Add [⚙️](#) Make primary [🗑️](#) Delete

Name	IP Version	Type	Private IP Address	Public IP Address
<input type="checkbox"/> <a href="#">ipconfig1</a>	IPv4	Primary		

[Give feedback](#)

**Click on "ipconfig1"**

Add or remove favorites by pressing **Ctrl+Shift+F**



# IP configurations

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## IP Settings

Enable IP forwarding

Virtual network: [Redacted]

Gateway load balancer: None

Subnet: [Redacted] 250 free IP

Private and public IP addresses can be assigned to a virtual machine's network interface controller. You can add as many private and public IPv4 addresses as necessary to a network interface, within the limits listed in the [Azure limits article](#).

[+ Add](#) [Make primary](#) [Delete](#)

Name	IP Version	Type
[Redacted]	IPv4	Primary

[Apply](#) [Discard changes](#)

## Edit IP configuration

utkarsh575

A primary IP configuration already exists. Any additional IP configurations will be secondary. The virtual network this network interface is attached to only supports IPv4. [Learn more](#)

Name \* ipconfig1

IP version IPv4

Type Primary

### Private IP address settings

Allocation

Dynamic

Static

Private IP address \* [Redacted]

### Public IP address settings

Associate public IP address

Public IP address \* [Redacted]

[Save](#) [Cancel](#)

**Under Private IP address settings, click on Static**

**Click on Save**

Add or remove favorites by pressing Ctrl+Shift+F



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[🕒](#) You are viewing a new version of Browse experience. [Click here to access the old experience.](#)

Filter for any field... [Subscription equals all](#) [Type equals all](#) [Resource Group equals all](#) [Location equals all](#) [+](#) Add filter

<input checked="" type="checkbox"/>	Name ↑	Subscription	Resource Group	Location	Status	Operating syst...	Size	Public IP addre...	Disks	
<input checked="" type="checkbox"/>	 [Redacted]	...	Azure subscrip...	[Redacted]	Central India	Stopped (deall...	Linux	Standard_D2s_v3	[Redacted]	1

**Click on your Virtual Machine name**

Showing 1 - 1 of 1. Display count: [auto](#) [Give feedback](#)

Add or remove favorites by pressing **Ctrl+Shift+F**



# Compute infrastructure | Virtual machines

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+ Create Switch to classic

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

Name
[Redacted]

Showing 1 - 1 of 1. Display count: auto

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## Virtual machine

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Add or remove favorites by pressing Ctrl+Shift+F

In Overview Tab, click on Connect

Help me copy this VM in any region

Connect Start Restart Stop Hibernate Capture Delete

Connect  
Connect via Bastion

Resource group	: [Redacted]
Status	: Stopped (deallocated)
Location	: Central India
Subscription	: Azure subscription 1
Subscription ID	: [Redacted]
Operating system	: Linux
Size	: Standard D2s v3 (2 vcpus, 8 GiB memory)
Public IP address	: [Redacted]
Virtual network/subnet	: [Redacted]
DNS name	: Not configured
Health state	: -
Time created	: 7/23/2025, 5:08 PM UTC
Tags	: Add tags



# Compute infrastructure | Virtual machines

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Virtual machines Get started

+ Create Switch to classic

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

Name
[Virtual Machine Name]

Showing 1 - 1 of 1. Display count: auto

## Virtual machine | Connect

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**SSH using Azure CLI**

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

Public IP address (20.219.203.188)

Select

### Most common

**Native SSH** Local machine

No additional software needed. Private key required for connection. Best for those with existing SSH tools.

Public IP address (20.219.203.188)

Select

More ways to connect (3)

Click on "Select" in Native SSH



# Compute infrastructure | Virtual machines

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Help

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Name ↑

[VM Name]

## Connect

Virtual machine

Search

Overview

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Access control (IAM)

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Diagnose and solve problems

Resource visualizer

Connect

1. In "Copy and execute SSH command", write your downloaded .pem file path

## Native SSH

Connect from your local machine (Windows)

Prerequisites configured

Port 22 access

Public IP address

Configured

2. Open a local shell (on Windows)

3. Copy and execute SSH command

Can't find your private key? Reset your SSH private key

SSH to VM with specified private key.

Other Information

Using a Linux...

Copy your p...

only access.

Close Troubleshooting Give feedback

2. Click on copy icon

Add or remove favorites by pressing Ctrl+Shift+F

Add or remove favorites by pressing Ctrl+Shift+F



- Home > Comput
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```
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purpo
ses. If you want to re-enable it, run 'Import-Module PSReadLine'.

PS C:\Users\DELL>
```

Open Power shell and paste the copied text here and press Enter

from the local machine IP  
virtual machine on the  
via this connection method.  
0 or less), or a shell of your  
more instructions.  
cal machine.  
Copied  
nal?  
d ensure it has the correct read-

- Monitoring
- Automation
- More wi

Close Troubleshooting

Give feedback

Add or remove favorites by pressing Ctrl+Shift+F

Add or remove favorites by pressing Ctrl+Shift+F



```

azureuser@utkarsh: ~
PS C:\Users\DELL> [redacted]
Welcome to Ubuntu 22.04.5 LTS (GNU/Linux 6.8.0-1031-azure x86_64)

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

System information as of Thu Jul 24 04:19:24 UTC 2025

System load:  0.66          Processes:            117
Usage of /:   6.2% of 28.89GB Users logged in:     0
Memory usage: 3%           IPv4 address for eth0: [redacted]
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

2 updates can be applied immediately.
2 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

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

New release '24.04.2 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Thu Jul 24 04:12:21 2025 from [redacted]
azureuser@[redacted] ~$ |

```

Your Virtual Environment created

connect to the VM.

from the local machine IP

virtual machine on the

via this connection method.

0 or less), or a shell of your more instructions.

cal machine.

[redacted]

[redacted]



```
Welcome to Ubuntu 22.04.5 LTS (GNU/Linux 6.8.0-1031-azure x86_64)
```

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

```
System information as of Thu Jul 24 04:49:36 UTC 2025
```

```
System load: 0.0          Processes: 114
Usage of /: 6.2% of 28.89GB  Users logged in: 1
Memory usage: 3%          IPv4 address for eth0: [REDACTED]
Swap usage: 0%
```

```
Expanded Security Maintenance for Applications is not enabled.
```

```
2 updates can be applied immediately.
2 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable
```

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

```
New release '24.04.2 LTS' available.
Run 'do-release-upgrade' to upgrade to it.
```

```
Last login: Thu Jul 24 04:19:25 2025 from [REDACTED]
```

```
azureuser@[REDACTED] ~$ curl ifconfig.me
[REDACTED]
azureuser@[REDACTED] ~$
```

Type "curl ifconfig.me", where you'll see the Static IP



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- [Breeze Python SDK](#)
- [Breeze C# SDK](#)
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### Register App

App Name\*

Redirect URL\*

Primary IP Address\*

Secondary IP Address

[Submit](#)

Click on "Register an App", and insert your Static IP here.

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# Thank You

In case of any queries, please write to us at [breezeapi@icicisecurities.com](mailto:breezeapi@icicisecurities.com)