

EXPERIMENT-14

Create a virtual machine - Microsoft Azure

Home > Virtual machines > Create a virtual machine

This subscription may not be eligible to deploy VMs or 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 *

Resource group *
[Create new](#)

Instance details

Virtual machine name *

Region *

Availability options

Security type
[Configure security features](#)

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

VM architecture ☐ Arm64 ☒ x64

Run with Azure Spot discount ☐

Size *

[Review & create](#) [< Previous](#) [Next : Disks >](#) [Give feedback](#)

Create a virtual machine - Microsoft Azure

Home > Virtual machines > Create a virtual machine

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 ☐

OS disk

OS disk size

OS disk type *

Delete with VM ☒

Key management

Enable Ultra Disk compatibility ☐
Ultra disk is not supported with selected security type.

Data disks for moni

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
0	moni_DataDisk_0	32	Premium SSD LRS	Read only	<input type="checkbox"/>

[Create and attach a new disk](#) [Attach an existing disk](#)

[Review & create](#) [< Previous](#) [Next : Networking >](#) [Give feedback](#)

Create a virtual machine - Micro

portal.azure.com/?Microsoft_Azure_Education_correlationId=e1a48410-040c-43dd-886f-f419773365a6&Microsoft_Azure_Education_newA4E=true&Microsoft_Azure_Educ...

Microsoft Azuremonisha

Home > Virtual machines >

Create a virtual machine

Validation passed

Price

1 X Standard D2s v3
by Microsoft
Terms of use | Privacy policy

Subscription credits apply ⓘ
10.6022 INR/hr
[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

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

Subscription

Azure for Students

Create

< Previous

Next >

Download a template for automation

Give feedback

moni - Microsoft Azure

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Microsoft Azuremonisha

Home > CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231104101509 | Overview >

moni

Virtual machine

Search

Connect

Start

Restart

Stop

Capture

Delete

Refresh

Open in mobile

Feedback

CLI / PS

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Networking

Connect

Disks

Size

Microsoft Defender for Cloud

Advisor recommendations

Extensions + applications

Availability + scaling

Configuration

Identity

Properties

Locks

Operations

Bastion

Essentials

Resource group (move)

Status

Location

Subscription (move)

Subscription ID

Tags (edit)

Operating system

Size

Public IP address

Virtual network/subnet

DNS name

Health state

JSON View

Properties

Monitoring

Capabilities (7)

Recommendations

Tutorials

Virtual machine

Computer name

Operating system

Image publisher

Image offer

Image plan

VM generation

VM architecture

Agent status

Agent version

Host group

Host

Networking

Public IP address

Public IP address (IPv6)

Private IP address

Private IP address (IPv6)

Virtual network/subnet

DNS name

Size

Size

vCPUs

RAM

SSH using Azure CLI - Microsoft

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monisha

monisha@5046.sse@sav...
DEFAULT DIRECTORY

monisha | Connect
Virtual machine

Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Networking
Connect
Disks
Size
Microsoft Defender for Cloud
Advisor recommendations
Extensions + applications
Availability + scaling
Configuration
Identity
Properties
Locks
Operations
Bastion

Refresh Troubleshooting More Options Feedback

Connecting using
Public IP address | 20.235.5.149

Admin username : azureuser
Port (change) : 22 Check access
Just-in-time policy : Unsupported by plan

Recommended

SSH using Azure CLI
Quickly connect in browser. Supports Azure AD authentication. Private key not required.
Public IP address (20.235.5.149)
Select

Most common

Native SSH
No additional software needed. Private key required. Best for those with existing SSH keys.
Public IP address (20.235.5.149)
Select

More ways to connect (3)

SSH using Azure CLI
Connect from the Azure portal
Connect from your local machine

1 Configure prerequisites for SSH using Azure CLI
Azure needs to configure some features in order to connect to the VM.

Ready for configuration

System assigned managed identity
Azure will configure a system assigned managed identity in order to enable the Azure AD login extension. Learn more

Azure AD SSH Login Extension
The Azure Active Directory based SSH Login extension will securely connect to the VM using Azure AD instead of SSH or a username and password. Learn more

Virtual machine user or administrator login
A virtual machine administrator login role on the resource group will allow login to the virtual machine via CloudShell. Learn more

Port 22 access
Port 22 is accessible on this virtual machine for all configured IPs. Learn more

Change the port for connecting to this virtual machine on the Connect page of the virtual machine.

Public IP address: 20.235.5.149
A public IP address is required to connect via this connection method.

I understand just in time policy on the virtual machine may be re-configured to allow any source IP to request just-in time access to port 22.

Configure + connect

Close Troubleshooting Give feedback

SSH using Azure CLI - Microsoft

portal.azure.com/Microsoft_Azure_Education_correlationId=e1a48410-040c-43dd-886f-419773365a6&Microsoft_Azure_Education_newA4E=true&Microsoft_Azure_Educ...

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Networking
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Disks
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Close Troubleshooting Give feedback

You have no storage mounted

Azure Cloud Shell requires an Azure file share to persist files. [Learn more](#)
This will create a new storage account for you and this will incur a small monthly cost. [View pricing](#)
Azure Cloud Shell will register your subscription with Microsoft.CloudShell resource provider.

* Subscription
Azure for Students Cloud Shell terminal dialog Show advanced settings

Create storage Close

SSH using Azure CLI - Microsoft

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monisha

Home > CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231104101509 | Overview > moni

moni | Connect Virtual machine

Search

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Networking

Connect

Disks

Size

Microsoft Defender for Cloud

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Close Troubleshooting Give feedback

Bash

Welcome to Azure Cloud Shell

Type "az" to use Azure CLI

Type "help" to learn about Cloud Shell

az ssh vm --resource-group moni_group --vm-name moni --subscription 84989c4b-a99b-4026-a85c-48921c4b16f2

Storage fileshare subscription 84989c4b-a99b-4026-a85c-48921c4b16f2 is not registered to Microsoft CloudShell Namespaces. Please follow these instructions "https://aka.ms/RegisterCloudShell" to register. In future, unregistered subscriptions will have restricted access to CloudShell services.

kondaru [~]\$ az ssh vm --resource-group moni_group --vm-name moni --subscription 84989c4b-a99b-4026-a85c-48921c4b16f2

OpenSSH 8.9p1, OpenSSL 1.1.1k TUE 20 Mar 2023

The authenticity of host '20.235.5.149 (20.235.5.149)' can't be established.

RD25519 key fingerprint is SHA256:H25Xg3t6Hfo3ofxiFryQcuhpwpk4hqlPlatBRLink.

This key is not known by any other names

Are you sure you want to continue connecting (yes/no/[fingerprint])?

SSH using Azure CLI - Microsoft

portal.azure.com/Microsoft Azure_Education_correlationId=e1a48410-040c-43dd-886f-f419773365a6&Microsoft Azure_Education_newAAE=true&Microsoft Azure_Educ...

monisha

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Close Troubleshooting Give feedback

Bash

See https://ubuntu.com/csm 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.

monishak5046.sse@savaetha.com:moni:~\$

