

Microsoft Azure

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DEFAULT DIRECTORY

[Home](#) > [Create a resource](#)

Create a virtual machine

Instance details

Virtual machine name *

cloud

Region *

(Asia Pacific) Central India

Availability options

No infrastructure redundancy required

Security type

Trusted launch virtual machines
[Configure security features](#)

Image *

Ubuntu Server 20.04 LTS - x64 Gen2

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

VM architecture

☐ Arm64

☒ x64

Run with Azure Spot discount

☐

Size *

Standard_D2s_v3 - 2 vcpus, 8 GiB memory (₹6,019.67/month)
[See all sizes](#)

Review + create

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Next: Disks >

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Home > Create a resource >

Create a virtual machine

Username *

azureuser

SSH public key source

Generate new key pair

Key pair name *

cloud_key

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)

All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.

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Create a virtual machine

OS disk

OS disk size

Image default (30 GiB)

OS disk type *

Premium SSD (locally-redundant storage)

Delete with VM

☒

Key management

Platform-managed key

Enable Ultra Disk compatibility

☐

Ultra disk is not supported with selected security type.

Data disks for cloud

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	cloud_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

Microsoft Azure portal interface showing the "Create a virtual machine" wizard. The "Networking" tab is selected. The form includes fields for Virtual network (selected: (new) cloud-vnet), Subnet (selected: (new) default (10.0.0.0/24)), Public IP (selected: (new) cloud-ip), and NIC network security group (selected: Basic). Navigation buttons include "Review + create", "< Previous", and "Next: Management >".

Microsoft Azure portal interface showing the "Management" tab of the "Create a virtual machine" wizard. The form includes checkboxes for "Defender for Cloud" and "Azure AD". A note indicates "RBAC role assignment of Virtual Machine Administrator Login or Virtual Machine User Login is required when using Azure AD login." Navigation buttons include "create", "< Previous", and "Next: Monitoring >".

Zoho | Cloud Software x Zoho Creator x account.live.com x Microsoft account se x Sign in to your accou x Create a virtual mach x +

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

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Create a virtual machine

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

Enable OS guest diagnostics ☐

Health

Enable application health monitoring ☐

[Review + create](#) < Previous Next: Advanced > [Give feedback](#)

25°C Heavy rain Search ENG IN 09:31 14-11-2023

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

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Create a virtual machine

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

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](#)

[Review + create](#) < Previous Next: Tags > [Give feedback](#)

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BasicsDisksNetworkingManagementMonitoringAdvancedTagsReview + 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
Farida	0814	13 selected
		13 selected

Review + create

< PreviousNext: Review + create >

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Validation passed

Cost given below is an estimate and not the final price. Please use [Pricing calculator](#) for all your pricing needs.

Price

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

Subscription credits apply
8.2461 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 its service providers and other Microsoft companies.

Create

< PreviousNext >Download a template for automation

Give feedback

Microsoft Azure portal showing the deployment details for a virtual machine named "CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231114090632". The deployment is complete, with a start time of 11/14/2023, 9:34:23 AM. The deployment details section shows the subscription as "Azure for Students" and the resource group as "Farida". The next steps section includes links for "Setup auto-shutdown", "Monitor VM health, performance and network dependencies", and "Run a script inside the virtual machine". The deployment is successful, and the user is prompted to "Go to resource" or "Create another VM".

Deployment Summary:

- Deployment name: CreateVm-canonical.0001-com-ubuntu-server-...
- Subscription: Azure for Students
- Resource group: Farida
- Start time: 11/14/2023, 9:34:23 AM
- Correlation ID: de27fa7a-b239-4220-b25b-dec6

Next steps:

- Setup auto-shutdown (Recommended)
- Monitor VM health, performance and network dependencies (Recommended)
- Run a script inside the virtual machine (Recommended)

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Microsoft Azure portal showing the "cloud | Connect" page for a virtual machine. The page displays the public IP address (52.172.226.25) and provides options to connect via SSH using Azure CLI or Native SSH. The "Recommended" section shows "SSH using Azure CLI" and "Native SSH" options, both with "Select" buttons. The "Most common" section shows "Local machine" options, also with "Select" buttons. The page includes a sidebar with navigation links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Connect, Bastion, Networking, Network settings, Load balancing, Application security groups, Network manager, Settings, Disks, Extensions + applications, Configuration, Advisor recommendations, and Properties.

Connect to your virtual machine

Public IP address | 52.172.226.25

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

Recommended

- SSH using Azure CLI** (Local machine, Azure portal)
Quickly connect in browser. Supports Azure AD authentication. Private key not required.
Public IP address (52.172.226.25)
[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 (52.172.226.25)
[Select](#)

[More ways to connect \(3\)](#)

Microsoft Azure portal interface showing the 'cloud | Connect' virtual machine page. The page displays connection details for a virtual machine named 'cloud' in the 'Farida' resource group. The public IP address is 52.172.226.25. The admin username is azureuser and the port is 22. The just-in-time policy is unsupported by plan.

The 'SSH using Azure CLI' sidebar provides instructions for connecting to the virtual machine. It lists the following steps:

- 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](#)
- Public IP address 52.172.226.25: A public IP address is required to connect via this connection method.

The 'Recommended' section shows two options: 'SSH using Azure CLI' (Local machine, Azure portal) and 'Native SSH' (Local machine). The 'SSH using Azure CLI' option is selected.

The terminal window shows the command to connect to the virtual machine using Azure CLI:

```
az ssh vm --resource-group Farida --vm-name cloud --subscription 562de702-febc-431b-847b-f855b10ade87
```

The terminal output shows the command execution and the resulting SSH connection details:

```
OpenSSH 8.9p1, OpenSSL 1.1.1.k FIPS 25 Mar 2021
The authenticity of host '52.172.226.25 (52.172.226.25)' can't be established.
ED25519 key fingerprint is SHA256:RQw+cuIA1f-Au7mtOjhlSARvJ45vi/1AR7n9vZ/LRg.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])?
```