Create a virtual machine ⋯   ✕

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 ↗

ℹ 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 * ⓘ	cloud_computing
	Create new

Instance details

Virtual machine name * ⓘ	exp13
Region * ⓘ	(Asia Pacific) South 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 (₹7,739.57/month)

[Review + create]   [< Previous]   [Next : Disks >]   ℛ Give feedback

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Create a virtual machine ⋯   ✕

	◉ x64
Run with Azure Spot discount ⓘ	☐
Size * ⓘ	Standard_D2s_v3 - 2 vcpus, 8 GiB memory (₹7,739.57/month)
	See all sizes

Administrator account

Authentication type ⓘ	◉ SSH public key ○ Password

ℹ 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 * ⓘ	azureuser
SSH public key source	Use existing key stored in Azure
	✖ You need to select a key to proceed
Stored Keys	Select a 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 *	HTTPS (443)

ℹ 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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step 2: disk

Create a virtual machine ...

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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 ⓘ ☐

ⓘ Encryption at host is not registered for the selected subscription.
Learn more about enabling this feature

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 exp13

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 ⓘ

Create and attach a new disk   Attach an existing disk

∨ Advanced

Review + create   < Previous   Next : Networking >

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step 3: networking

Microsoft Azure

Create a virtual machine ...

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports,
inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution. Learn more

Network interface

When creating a virtual machine, a network interface will be created for you.

Virtual network * ⓘ | (new) exp13-vnet | ▽
Create new
Subnet * ⓘ | (new) default (10.0.0.0/24) | ▽
Public IP ⓘ | (new) exp13-ip | ▽
Create new
NIC network security group ⓘ | ○ None
○ Basic
○ Advanced
Public inbound ports * ⓘ | ○ None
● Allow selected ports
Select inbound ports * | HTTPS (443) | ▽
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.

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step 4: management

Create a virtual machine

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 Microsoft Defender for Cloud basic plan.

Identity

Enable system assigned managed
identity ⓘ   ☐

Azure AD

Login with Azure AD ⓘ   ☐

ⓘ RBAC role assignment of Virtual Machine Administrator Login or Virtual Machine
   User Login is required when using Azure AD login. Learn more

ⓘ Azure AD 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

Patch orchestration options ⓘ   [Image default   ▾]

ⓘ Some patch orchestration options are not available for this image. Learn more

[Review + create]   [< Previous]   [Next : Monitoring >]   Give feedback

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step 5: monitoring

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 ⓘ   ☐

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step 6: advanced

step 7: tags

step 8: review and create

exp14
Virtual machine

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^ Essentials   JSON View

Resource group (move) : cloud_computing   Operating system   : Linux (ubuntu 20.04)
Status   : Running   Size   : Standard D2s v3 (2 vcpus, 8 GiB memory)
Location   : Central India (Zone 1)   Public IP address   : 98.70.57.187
Subscription (move)   : Azure for Students   Virtual network/subnet : exp14-vnet/default
Subscription ID   : 45962124-da26-4f14-87bc-3bbdc3fe6444   DNS name   : Not configured
Availability zone   : 1   Health state   : -

Tags (edit)   : linux : 12345   ubunttu : 34567

Properties   Monitoring   Capabilities (7)   Recommendations   Tutorials

Virtual machine   **Networking**
Computer name   exp14   Public IP address   98.70.57.187 (Network interface exp14514_z1)
Operating system   Linux (ubuntu 20.04)   Public IP address (IPv6) -
Image publisher   canonical   Private IP address   10.0.0.4
Image offer   0001-com-ubuntu-server-focal   Private IP address (IPv6) -
Image plan   20_04-lts-gen2   Virtual network/subnet   exp14-vnet/default
VM generation   V2   DNS name   Configure
VM architecture   x64
Agent status   Ready   **Size**
Agent version   2.9.1.1   Size   Standard D2s v3
Host group   None   vCPUs   2
Host   -   RAM   8 GiB
Proximity placement group -   **Disk**

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exp14
Virtual machine

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		vCPUs	2
Host group	None	RAM	8 GiB
Host	-
Proximity placement group	-	**Disk**
Colocation status	N/A	OS disk	exp14_OsDisk_1_933321cbcf784fffa8d6558f51b77014
Capacity reservation group	-	Encryption at host	Disabled
Disk controller type	SCSI	Azure disk encryption	Not enabled
		Ephemeral OS disk	N/A
Availability + scaling		Data disks	1
Availability zone (edit)	1
Availability set	-	**Auto-shutdown**
Scale Set	-	Auto-shutdown	Not enabled
		Scheduled shutdown	-
Security type	
Security type	Trusted launch	**Azure Spot**
Enable secure boot	Enabled	Azure Spot	-
Enable vTPM	Enabled	Azure Spot eviction policy	-
Integrity monitoring	Disabled

Health monitoring
Health monitoring   Not enabled

Extensions + applications
Extensions   -
Applications   -