

Fill up the requirements

The screenshot shows the 'Create a virtual machine' page in the Microsoft Azure portal. The page is titled 'Create a virtual machine' and is part of the 'Virtual machines' section. It is the first step in the process, 'Project details'. The instructions state: 'Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.'

The form fields are as follows:

- Subscription:** Azure for Students
- Resource group:** swetha
- Instance details:**
 - Virtual machine name:** virtualmachine
 - Region:** (Asia Pacific) South India
 - Availability options:** No infrastructure redundancy required
 - Security type:** Trusted launch virtual machines
 - Image:** Ubuntu Server 20.04 LTS - x64 Gen2
 - VM architecture:** x64
 - Run with Azure Spot discount:** No
- Size:** Standard_D2s_v3 - 2 vcpus, 8 GiB memory (₹7,739.57/month)

At the bottom, there are buttons for 'Review + create', '< Previous', and 'Next: Disks >'. A 'Give feedback' link is also present.

Select password and give a strong password after that click on next

The screenshot shows the 'Create a virtual machine' page in the Microsoft Azure portal, specifically the 'Administrator account' step. The instructions state: '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.'

The form fields are as follows:

- Size:** Standard_D2s_v3 - 2 vcpus, 8 GiB memory (₹7,739.57/month)
- Administrator account:**
 - Authentication type:** Password
 - Username:** swetha2004
 - Password:** [Redacted]
 - Confirm password:** [Redacted]
- Inbound port rules:**
 - Public inbound ports:** Allow selected ports
 - Select inbound ports:** SSH (22)

At the bottom, there are buttons for 'Review + create', '< Previous', and 'Next: Disks >'. A 'Give feedback' link is also present.

NAME:-SWETHA KOLLURI

Reg no:-192210372

Click on next

The screenshot shows the 'Create a virtual machine' page in the Microsoft Azure portal. The page is titled 'Create a virtual machine' and has a breadcrumb trail: 'Home > Virtual machines > Create a virtual machine'. The page is divided into several sections:

- OS disk:** A dropdown menu for 'OS disk size' is set to '32 GiB (P4)'. A message states: 'Some images are, by default, smaller than the selected OS disk size. Click here to learn how to expand your disk partition size after you create your VM.' Below this, 'OS disk type' is set to 'Premium SSD (locally-redundant storage)'. 'Delete with VM' is checked. 'Key management' is set to 'Platform-managed key'. 'Enable Ultra Disk compatibility' is unchecked, with a note: 'Ultra disk is not supported with selected security type.'
- Data disks for virtual machine:** A section explaining that additional data disks can be added. It includes a table with columns: LUN, Name, Size (GiB), Disk type, Host caching, and Delete with VM. Below the table are links: 'Create and attach a new disk' and 'Attach an existing disk'.
- Navigation:** At the bottom, there are buttons: 'Review + create', '< Previous', and 'Next : Networking >'. A 'Give feedback' link is also present.

Check the details and click on next

The screenshot shows the 'Create a virtual machine' page in the Microsoft Azure portal, specifically the 'Networking' step. The page is titled 'Create a virtual machine' and has a breadcrumb trail: 'Home > Virtual machines > Create a virtual machine'. The page is divided into several sections:

- Public inbound ports:** A radio button selection where 'Allow selected ports' is selected. Below it, 'Select inbound ports' is set to 'SSH (22)'. A warning message states: '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.'
- Networking options:** 'Delete public IP and NIC when VM is deleted' is unchecked. 'Enable accelerated networking' is checked.
- Load balancing:** A section explaining that the VM can be placed in the backend pool of an existing Azure load balancing solution. It includes a link: 'Learn more'. Below this, 'Load balancing options' are set to 'None'. Other options include 'Azure load balancer' (which supports all TCP/UDP network traffic, port-forwarding, and outbound flows) and 'Application gateway' (which is a web traffic load balancer for HTTP/HTTPS with URL-based routing, SSL termination, session persistence, and web application firewall).
- Navigation:** At the bottom, there are buttons: 'Review + create', '< Previous', and 'Next : Management >'. A 'Give feedback' link is also present.

Click on next

The screenshot shows the 'Create a virtual machine' page in the Microsoft Azure portal, specifically the 'Identity' tab. The page is titled 'Create a virtual machine' and includes a sub-header 'Home > Virtual machines >'. A message at the top states: 'your subscription is protected by Microsoft Defender for Cloud basic plan.' The 'Identity' section contains the following options:

- Identity**
 - Enable system assigned managed identity ☐
- Azure AD**
 - Login with Azure AD ☐
 - Information: RBAC role assignment of Virtual Machine Administrator Login or Virtual Machine User Login is required when using Azure AD login. [Learn more](#)
 - Information: 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:
 - Information: Some patch orchestration options are not available for this image. [Learn more](#)

At the bottom, there are three buttons: 'Review + create' (highlighted in blue), '< Previous', and 'Next: Monitoring >'. A 'Give feedback' link is also present in the bottom right corner.

Click on next

The screenshot shows the 'Create a virtual machine' page in the Microsoft Azure portal, specifically the 'Monitoring' tab. The page is titled 'Create a virtual machine' and includes a sub-header 'Home > Virtual machines >'. The 'Monitoring' tab is selected, and the page content is as follows:

- 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 ☐

At the bottom, there are three buttons: 'Review + create' (highlighted in blue), '< Previous', and 'Next: Advanced >'. A 'Give feedback' link is also present in the bottom right corner.

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Click on next

Home > Virtual machines >

Create a virtual machine

Performance (NVMe)
Enable capabilities to enhance the performance of your resources.

Higher remote disk storage performance with NVMe ☐

Host
Azure Dedicated Hosts allow you to provision and manage a physical server within our data centers that are dedicated to your Azure subscription. A dedicated host gives you assurance that only VMs from your subscription are on the host, flexibility to choose VMs from your subscription that will be provisioned on the host, and the control of platform maintenance at the level of the host. [Learn more](#)

Host group

Capacity reservations
Capacity reservations allow you to reserve capacity for your virtual machine needs. You get the same SLA as normal virtual machines with the security of reserving the capacity ahead of time. [Learn more](#)

Capacity reservation group

Proximity placement group
Proximity placement groups allow you to group Azure resources physically closer together in the same region. [Learn more](#)

Proximity placement group

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

Give some names and values and click on next

Home > Virtual machines >

Create a virtual machine

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
cloud	: 123	All resources
computing	: 456	All resources
big data	: 789	13 selected
		13 selected

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

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Click on create which is on left side bottom

Validation passed

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

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
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: SWETHA KOLLURI

Preferred e-mail address: kolluridhatiparvathiswetha0372.sse@saveetha.com

Create < Previous Next > [Download a template for automation](#) [Give feedback](#)

Click on got resources

Home > **CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231018104528 | Overview**

Deployment

Search < Delete Cancel Redeploy Download Refresh

Overview Inputs Outputs Template

Your deployment is complete

Deployment name: CreateVm-canonical.0001-com-ubuntu-server-f... Start time: 18/10/2023, 10:53:38 am
Subscription: Azure for Students Correlation ID: 82b18ccb-5cb2-4421-ab19-c6efc956484b

Resource group: swetha

Deployment details

Resource	Type	Status	Operation details
virtualmachine	Microsoft.Compute/virtualMachines	OK	Operation details
virtualmachine780	Microsoft.Network/networkInterfa...	Created	Operation details
virtualmachine-nsg	Microsoft.Network/networkSecuri...	OK	Operation details
virtualmachine-ip	Microsoft.Network/publicIpAddre...	OK	Operation 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**

Give feedback
[Tell us about your experience with deployment](#)

Cost Management
Get notified to stay within your budget and prevent unexpected charges on your bill.
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Work with an expert
Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.
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It shows all you listed before

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and the user's profile. The main content area displays the details of a virtual machine named 'virtualmachine'. The left sidebar contains a navigation menu with options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Connect, Network settings, Load balancing, Application security groups, Network manager, Settings, Disks, Configuration, Advisor recommendations, and Properties. The main content area is divided into several sections: Essentials, Properties, Monitoring, Capabilities (7), Recommendations, and Tutorials. The Essentials section shows the resource group 'swetha', status 'Running', location 'South India', subscription 'Azure for Students', and subscription ID '5d0b2d9d-e218-4eba-a8bc-08aba99c9622'. The Properties section shows the virtual machine's configuration, including the computer name 'virtualmachine', operating system 'Linux (ubuntu 20.04)', image publisher 'canonical', image offer '0001-com-ubuntu-server-focal', image plan '20_04-lts-gen2', VM generation 'V2', VM architecture 'x64', agent status 'Ready', and agent version '2.9.1.1'. The Networking section shows the public IP address '20.235.162.247' and the virtual network/subnet 'vm-vnet/default'. The Size section shows the size 'Standard D2s v3'.

Go to home created virtual machine is appears at home page

The screenshot shows the Microsoft Azure portal home page. The top navigation bar includes the Microsoft Azure logo, a search bar, and the user's profile. The main content area displays the 'Recent' resources section, which lists the virtual machine 'virtualmachine', the resource group 'swetha', and the virtual machine 'vm'. The left sidebar contains a navigation menu with options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Connect, Network settings, Load balancing, Application security groups, Network manager, Settings, Disks, Configuration, Advisor recommendations, and Properties. The main content area is divided into several sections: Azure services, Resources, Navigate, and Tools. The Resources section shows the 'Recent' resources, including the virtual machine 'virtualmachine', the resource group 'swetha', and the virtual machine 'vm'. The Navigate section shows the 'Subscriptions' section, which lists the resource groups 'swetha' and 'vm'. The Tools section shows the 'Microsoft Learn' section, which provides links to learn more about Azure services.