

# JESSICA GRACE-192224078(EXPERIMENT-12)

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Microsoft Azure

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Home > Create a resource >

Create a virtual machine

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](#) if for all your pricing needs.

Price

1 X Standard D51 v2  
by Microsoft  
[Terms of use](#) | [Privacy policy](#)

Subscription credits apply  
**6.5969 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

Jessica Grace S

Preferred e-mail address

jessicagraces4078.sse@savetha.com

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

Create

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[Download a template for automation](#)

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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
jessy	: 111	All resources
faru	: 112	All resources
varsh	: 113	All resources
sam	: 114	13 selected
		13 selected

Review + create

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Give fe

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Add additional configuration, agents, scripts or applications via virtual machine extensions or cloud-init.

Extensions

Extensions provide post-deployment configuration and automation.

Extensions ⓘSelect an extension to install

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](#) ⓘ

Custom data

Custom data on the selected image will be processed by cloud-init. [Learn more about custom data for VMs](#) ⓘ

User data

Pass a script, configuration file, or other data that will be accessible to your applications **throughout the lifetime of the virtual machine**. Don't use user data for storing your secrets or passwords. [Learn more about user data for VMs](#) ⓘ

Enable user data☐

Review + create< PreviousNext: Tags >

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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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## 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](#)

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

### 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

Some patch orchestration options are not available for this image. [Learn more](#)

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## Create a virtual machine

BasicsDisksNetworkingManagementMonitoringAdvancedTagsReview + 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) Cloud-vnet  
[Create new](#)

Subnet \*

(new) default (10.0.0.0/24)

Public IP

(new) Cloud-ip  
[Create new](#)

NIC network security group

☐ None

☒ Basic

☐ Advanced

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 recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

Delete public IP and NIC when VM is deleted

☒

Enable accelerated networking

☐

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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

OS disk type

Delete with VM ☒

Key management

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](#)

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Create a virtual machine

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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](#) >

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 < >

(New) Jess

Create new

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\_DS1\_v2 1 vcpu, 3.5 GiB memory (¥4,815.74/month)

See all sizes

Enable Hibernation (preview) < >

☐

To enable Hibernation, you must register your subscription. [Learn more](#) >

Administrator account

Authentication type < >

☒ SSH public key

☐ Password

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.

Review & create

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Microsoft Azure

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Microsoft Defender for Cloud

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Restart

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Backup

Disaster recovery

Updates

Connect > Start > Restart > Stop > Hibernate (preview) > Capture > Delete > Refresh > Open in mobile > Feedback > CLI / PS

Essentials

Resource group: [cloud](#) > [test](#)

Status: Running

Location: Central India

Subscription: [cloud](#) > [Azure for Students](#)

Subscription ID: a580945a-e725-4a70-8750-040x044a6327

Operating system: Linux (ubuntu:20.04)

Size: Standard D51 v2 (1 vcpu, 3.5 GiB memory)

Public IP address: [52.172.239.89](#)

Virtual network/subnet: [Cloud-vnet/default](#)

DNS name: [Not configured](#)

Health state: OK

Tags: [test:111](#) > [env:112](#) > [varch:113](#) > [sam:114](#)

JSON View

Properties Monitoring Capabilities (7) Recommendations Tutorials

Virtual machine

Computer name: Cloud

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

Agent version: 2.0.1.1

Hybridization: Disabled

Host group: [None](#)

Host: -

Proximity placement group: -

Collocation status: N/A

Capacity reservation group: -

Disk controller type: SCSI

Networking

Public IP address: [52.172.239.89](#) | Network interface: [cloudnic1](#)

Private IP address (IPv4): 10.0.0.4

Private IP address (IPv6): -

Virtual network/subnet: [Cloud-vnet/default](#)

DNS name: [Configure](#)

Size

Size: Standard D51 v2

vCPUs: 1

RAM: 3.5 GiB

Disk

OS disk: Cloud/Disk\_L1\_1f04db25a8814a8f64bdc02ae00806

Encryption at host: Disabled

Azure disk encryption: Not enabled

Ephemeral OS disk: N/A