

## PUBLIC CLOUD CREATING AN INSTANCE IN MICROSOFT AZURE

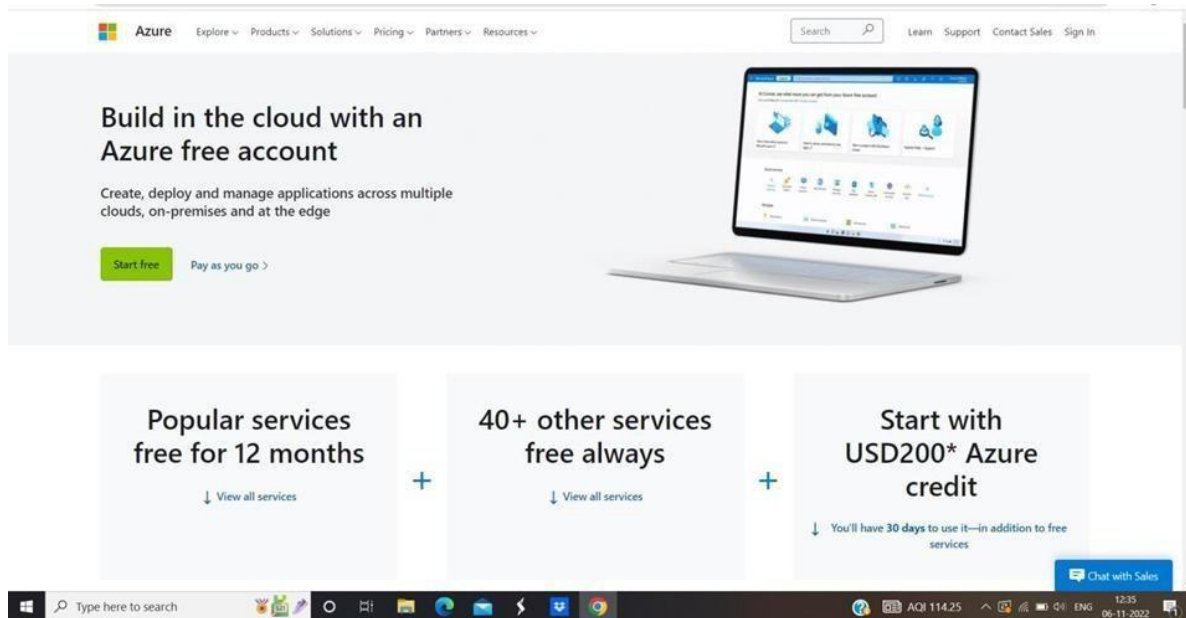
### AIM:

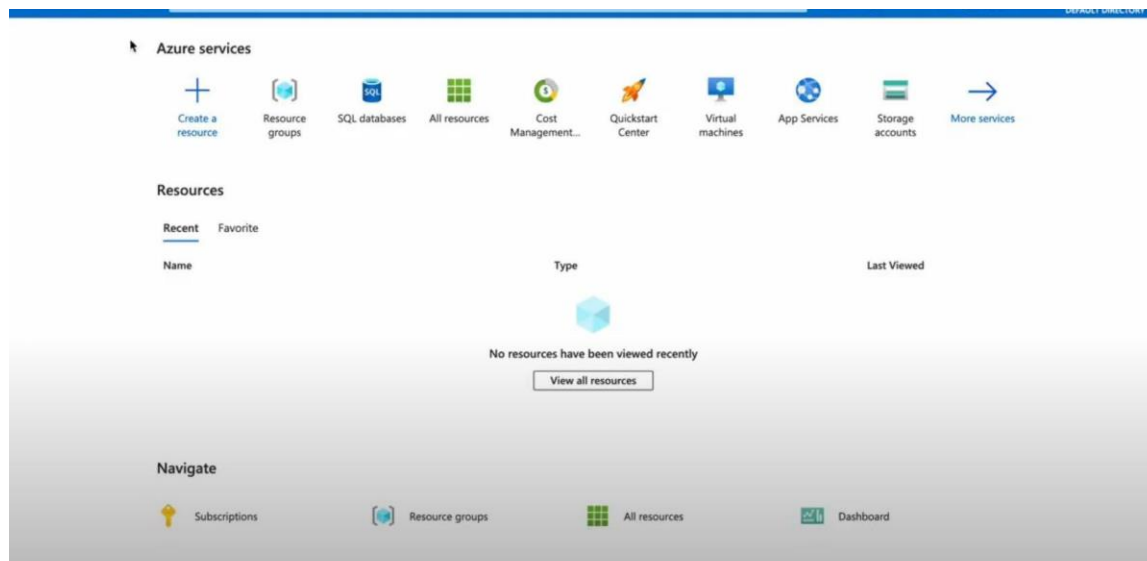
Develop a simple application to understand the concept of PAAS using Microsoft Azure.

### PROCEDURE:

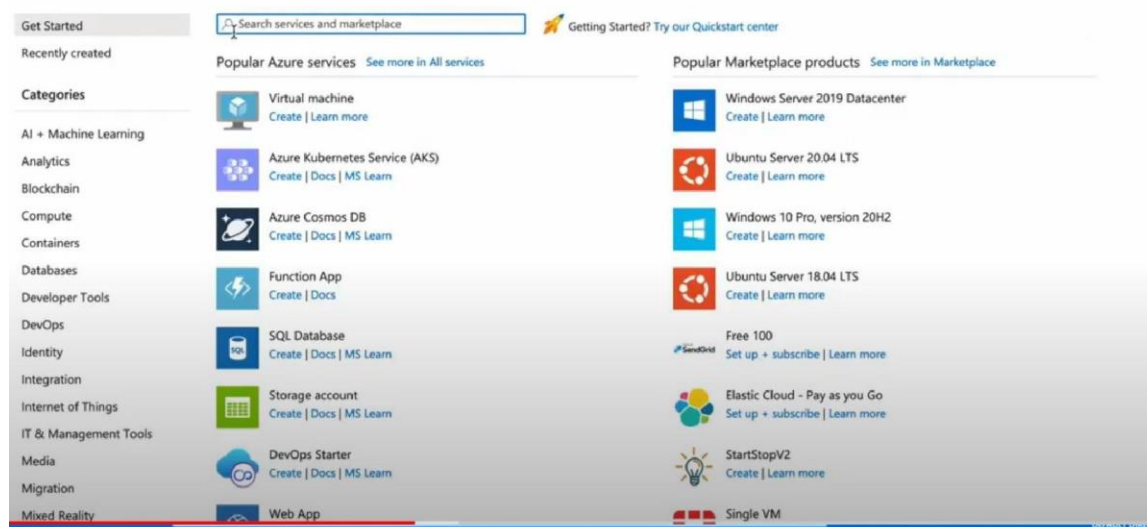
1. Sign in to the Azure portal
2. Select Azure SQL on the left menu of the Azure portal.
3. Select +Add to open the Select SQL deployment option page.
4. Select Create.

### OUTPUT:



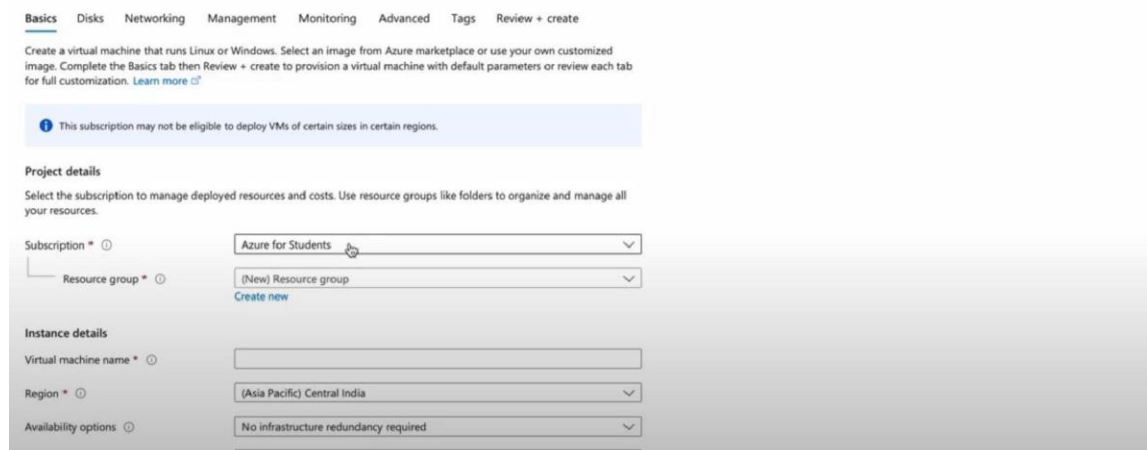


## Create a resource



Home > Create a resource >

## Create a virtual machine



Create a virtual machine

Virtual machine name \*

instance1

Region \*

(Asia Pacific) Central India

Availability options

No infrastructure redundancy required

Security type

Standard

Image \*

Ubuntu Server 20.04 LTS - Gen2

VM architecture

Run with Azure Spot discount

Size \*

Administrator account

Authentication type

Marketplace images to get started

Ubuntu Server 20.04 LTS - Gen2

Ubuntu Server 18.04 LTS - Gen2

SUSE Enterprise Linux 15 SP3 +Patching - Gen2

Red Hat Enterprise Linux 8.2 (LVM) - Gen2

Oracle Linux 8.5 (LVM) - Gen2

Debian 11 "Bullseye" - Gen2

CentOS-based 8.9 - Gen2

Windows Server 2022 Datacenter: Azure Edition - Gen2

Windows Server 2019 Datacenter - Gen2

Select a VM size

Search by VM size...

Display cost : Monthly

vCPUs : All

RAM (GiB) : All

Add filter

Showing 547 VM sizes

Subscription: Azure for Students

Region: Central India

Current size: Standard\_D2s\_v3

Image: Ubuntu Server 18.04 LTS

Learn more about VM sizes

Group by series

VM Size	Type	vCPUs	RAM (GiB)	Data disks	Max IOPS	Temp storage (GiB)	Premium disk	Cost/month
Most used by Azure users								
DS1_v2	General purpose	1	3.5	4	3200	7	Supported	Loading...
D2s_v3	General purpose	2	8	4	3200	16	Supported	Loading...
D2as_v4	General purpose	2	8	4	3200	16	Supported	Loading...
B2s	General purpose	2	4	4	1280	8	Supported	Loading...
B1s	General purpose	1	1	2	320	4	Supported	Loading...
B2ms	General purpose	2	8	4	1920	16	Supported	Loading...
B1ls	General purpose	1	0.5	2	320	4	Supported	Loading...
DS2_v2	General purpose	2	7	8	6400	14	Supported	Loading...
B4ms	General purpose	4	16	8	2880	32	Supported	Loading...
D4s_v3	General purpose	4	16	8	6400	32	Supported	Loading...
DS3_v2	General purpose	4	14	16	12800	28	Supported	Loading...
D8s_v3	General purpose	8	32	16	12800	64	Supported	Loading...

Azure

Contact Sales

Free account

Virtual Machines

1 D2 v3 (2 vCPUs, 8 GB RAM) x 730 Hours (Pay as you go)

Upfront: \$0.00

Monthly: \$152.62

Virtual Machines

REGION: West US

OPERATING SYSTEM: Windows

TYPE: (OS Only)

TIER: Standard

CATEGORY: All

INSTANCE SERIES: All

INSTANCE: Select from the options below or type to search

A0: 1 Cores, 0.75 GB RAM, 20 GB Temporary storage, \$0.020/hour

A1: 1 Cores, 1.75 GB RAM, 70 GB Temporary storage, \$0.090/hour

A2: 2 Cores, 3.5 GB RAM, 135 GB Temporary storage, \$0.180/hour

A3: 4 Cores, 7 GB RAM, 285 GB Temporary storage, \$0.360/hour

A4: 8 Cores, 14 GB RAM, 605 GB Temporary storage, \$0.720/hour

A5: 2 Cores, 14 GB RAM, 135 GB Temporary storage, \$0.330/hour

A6: 4 Cores, 28 GB RAM, 285 GB Temporary storage, \$0.660/hour

Savings Options

Save up to 72% on pay-as-you-go prices with 1-year or 3-year Reserved Virtual Machine Instance for applications that require reserved capacity. [Learn more about Reserved VM Instances pricing](#)

Compute (D2 v3)

Pay as you go

1 year reserved (~32% discount)

3 year reserved (~57% discount)

OS (Windows)

License included

Azure Hybrid Benefit

1

x

730

Hours

\$152.57

[Home](#) >

CreateVm-Canonical.UbuntuServer-18\_04-Its-gen2-20220922215135 | Overview

Deployment

Search

Overview

Inputs

Outputs

Template

DeleteCancelRedeployDownloadRefresh

We'd love your feedback! →

Deployment is in progress

Deployment name: CreateVm-Canonical.UbuntuServer-18\_04-Its-g...  
Subscription: Azure for Students  
Resource group: cloud-instance-test

Start time: 9/22/2022, 9:57:02 PM  
Correlation ID: c93aee71-a666-4a3c-835b-2d4d059eba8f

Deployment details

Resource	Type	Status	Operation details
No results.			

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Deployment details

Resource	Type	Status	Operation details
cloud-instance-test-vnet	Microsoft.Network/virtualNet...	Created	Operation details
instance1-nsg	Microsoft.Network/networkSe...	OK	Operation details
instance1-ip	Microsoft.Network/publicIpA...	OK	Operation details

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instance1

Virtual machine

Search

Connect

Start

Restart

Stop

Capture

Delete

Refresh

Open in mobile

CLI / PS

Feedback

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Networking

Connect

Disks

Size

Microsoft Defender for Cloud

Advisor recommendations

Extensions + applications

Continuous delivery

Availability + scaling

Configuration

Essentials

Resource group (move) : cloud-instance-test

Status : Running

Location : Central India

Subscription (move) : Azure for Students

Subscription ID : f6bb6015-7d4e-4afe-9511-4ac02abde52c

Tags (edit) : [Click here to add tags](#)

Operating system : Linux (ubuntu 18.04)

Size : Standard B1s (1 vcpu, 1 GiB memory)

Public IP address : 20.219.255.142

Virtual network/subnet : cloud-instance-test-vnet/default

DNS name : Not configured

Properties

Monitoring

Capabilities (7)

Recommendations

Tutorials

Virtual machine

Computer name : instance1

Health state : -

Operating system : Linux (ubuntu 18.04)

Publisher : Canonical

Offer : UbuntuServer

Plan : 18\_04-lts-gen2

VM generation : V2

Networking

Public IP address : 20.219.255.142

Public IP address (IPv6) : -

Private IP address : 10.0.0.4

Private IP address (IPv6) : -

Virtual network/subnet : cloud-instance-test-vnet/default

DNS name : Configure

Azure services

Create a resource

Resource groups

SQL databases

All resources

Cost Management...

Quickstart Center

Virtual machines

App Services

Storage accounts

More services

Resources

Recent

Favorite

Name	Type	Last Viewed
instance1	Virtual machine	a few seconds ago
cloud-instance-test	Resource group	a few seconds ago

See all

Navigate

Subscriptions

Resource groups

All resources

Dashboard

## Create a virtual machine

Validation passed

Management

Microsoft Defender for Cloud

System assigned managed identity

Login with Azure AD

Auto-shutdown

Backup

Enable hotpatch

Patch orchestration options

Basic (free)

Off

Off

Off

Disabled

Off

Image Default

Monitoring

Boot diagnostics

Enable OS guest diagnostics

On

Off

Advanced

Extensions

VM applications

Cloud init

User data

None

None

No

No

home >

## CreateVm-Canonical.UbuntuServer-18\_04-lts-gen2-20220922215135 | Overview

Deployment

Search << Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

We'd love your feedback! →

✓ Your deployment is complete

Deployment name: CreateVm-Canonical.UbuntuServer-18\_04-lts-g... Start time: 9/22/2022, 9:57:02 PM  
Subscription: Azure for Students Correlation ID: c93aee71-a666-4a3c-835b-2d4d059eba8f

Resource group: cloud-instance-test

Deployment 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](#)

Cost Management

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prevent unexpected charges on your bill  
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## RESULT:

Thus an application instance has been created in Microsoft Azure successfully.