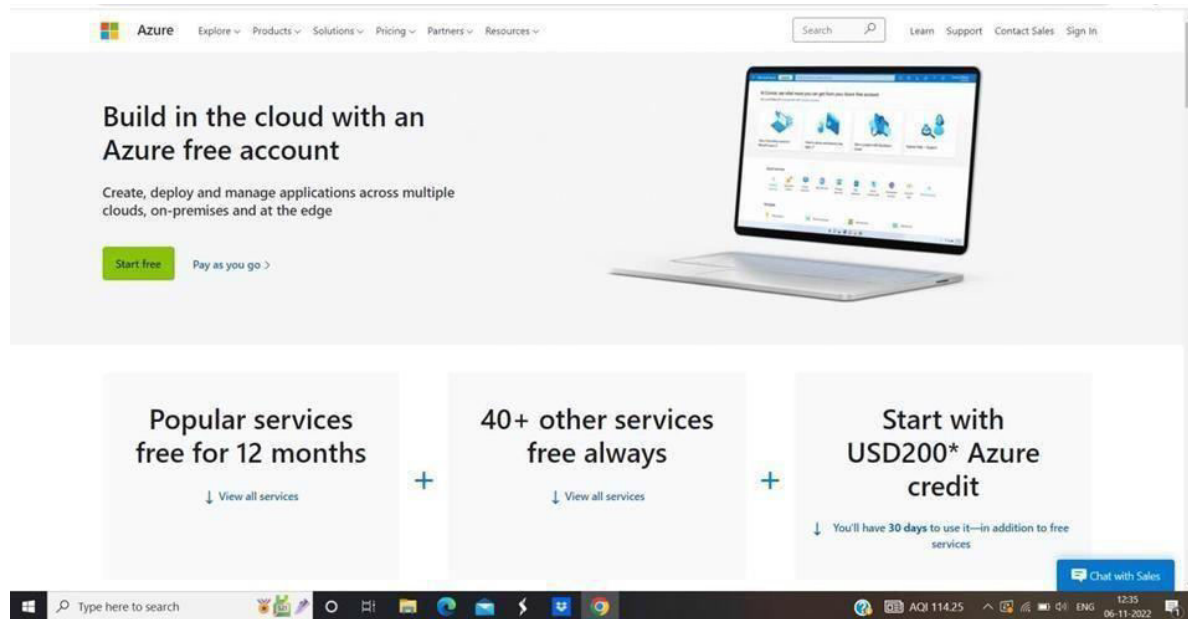


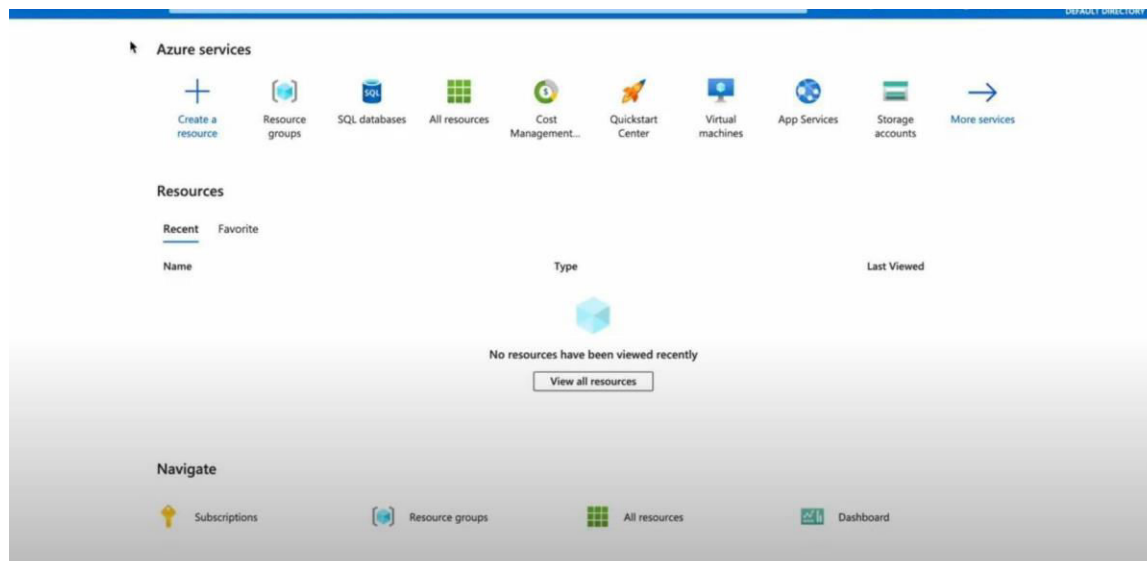
**PUBLIC CLOUD CREATING AN INSTANCE IN MICROSOFT AZURE AIM:**

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

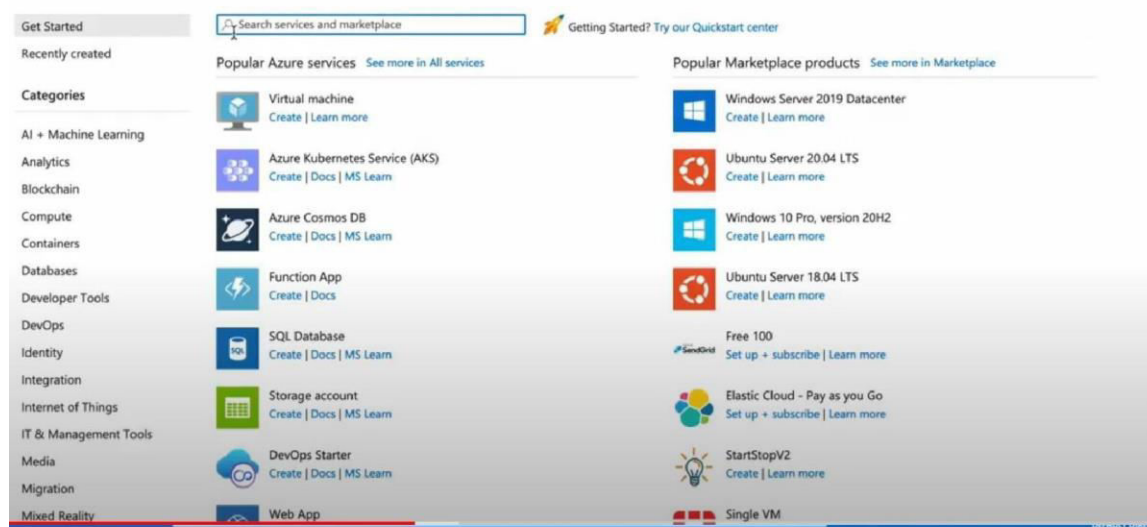
**PROCEDURE:**

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

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](#)

**Project details**

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \*

Resource group \*   
[Create new](#)

**Instance details**

Virtual machine name \*

Region \*

Availability options

Home > Create a resource >

## 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

Home > Create a resource > Create a virtual machine >

## 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 ↑↓
The most used sizes by users in Azure								
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 y...

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 I applications that require reserved capacity. Learn more about Reserved VM Instances pric

Compute (D2 v3)

OS (Windows)

Pay as you go

1 year reserved (~32% discount)

3 year reserved (~57% discount)

License included

Azure Hybrid Benefit

\$152.57

[Home](#) >

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

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

Deployment details

Resource	Type	Status	Operation details
cloud-instance-test-vnet	Microsoft.Network/virtualNet...	Created	<a href="#">Operation details</a>
instance1-nsg	Microsoft.Network/networkSe...	OK	<a href="#">Operation details</a>
instance1-ip	Microsoft.Network/publicIpA...	OK	<a href="#">Operation details</a>

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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)	: <a href="#">cloud-instance-test</a>	Operating system	: Linux (ubuntu 18.04)
Status	: Running	Size	: Standard B1s (1 vcpu, 1 GiB memory)
Location	: Central India	Public IP address	: <a href="#">20.219.255.142</a>
Subscription (move)	: <a href="#">Azure for Students</a>	Virtual network/subnet	: <a href="#">cloud-instance-test-vnet/default</a>
Subscription ID	: f6bb6015-7d4e-4afe-9511-4ac02abde52c	DNS name	: <a href="#">Not configured</a>
Tags (edit)	: <a href="#">Click here to add tags</a>		

#### 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	<a href="#">20.219.255.142</a>
Public IP address (IPv6)	-
Private IP address	10.0.0.4
Private IP address (IPv6)	-
Virtual network/subnet	<a href="#">cloud-instance-test-vnet/default</a>
DNS name	<a href="#">Configure</a>

#### Azure services



#### Resources

Recent Favorite

Name	Type	Last Viewed
<a href="#">instance1</a>	Virtual machine	a few seconds ago
<a href="#">cloud-instance-test</a>	Resource group	a few seconds ago

[See all](#)

#### Navigate



## Create a virtual machine

Validation passed

#### Management

Microsoft Defender for Cloud	Basic (free)
System assigned managed identity	Off
Login with Azure AD	Off
Auto-shutdown	Off
Backup	Disabled
Enable hotpatch	Off
Patch orchestration options	Image Default

#### Monitoring

Boot diagnostics	On
Enable OS guest diagnostics	Off

#### Advanced

Extensions	None
VM applications	None
Cloud init	No
User data	No

home /

## CreateVm-Canonical.UbuntuServer-18\_04-Its-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-Its-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](#)

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## RESULT:

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