

**EX.NO:06**

**REG.NO:210701287**

## **PUBLIC CLOUD CREATING AN INSTANCE IN MICROSOFT AZURE**

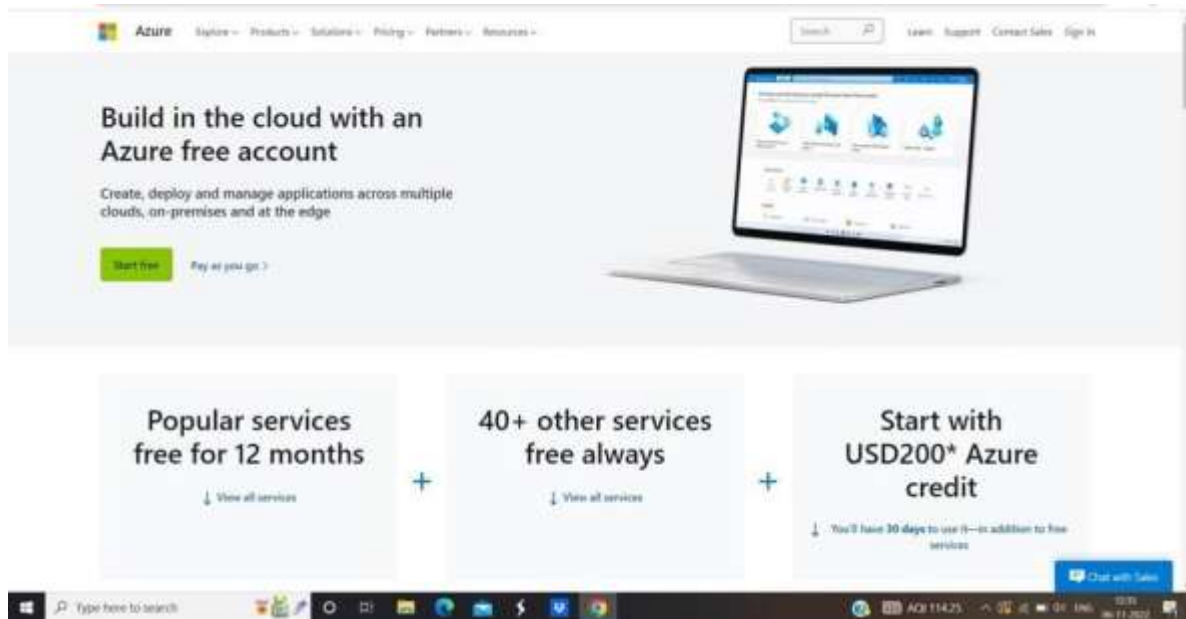
### **AIM:**

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

### **PROCEDURE:**

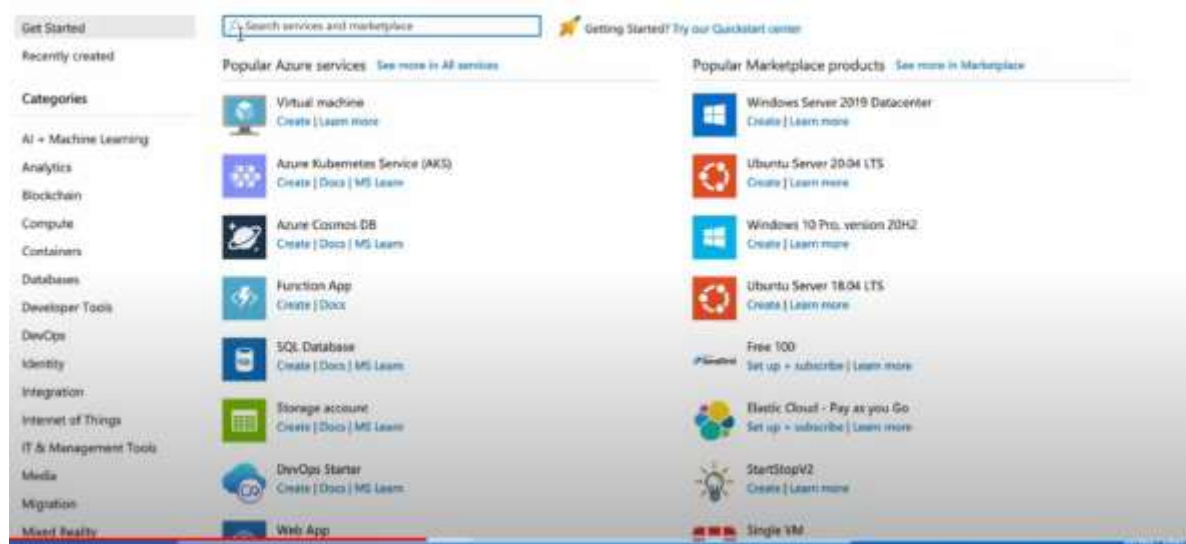
1. Sign in to the Azure portal
2. Select Azure SQL on the left menu of the Azure portal.
3. Select +Add to open the Select SQL deployment option page.
4. Select Create.

### **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](#)

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) Resource group

[Create new](#)

### Instance details

Virtual machine name 

Region  (Asia Pacific) Central India

Availability options  No infrastructure redundancy required

Home > Create a resource >

## Create a virtual machine

Virtual machine name \*

Region \*

Availability options

Security type

Image \*

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 11 SP3 - Patching - Gen2
- Red Hat Enterprise Linux 8.2 (VM) - Gen2
- Oracle Linux 8.5 (VM) - Gen2
- Debian 11 "Bullseye" - Gen2
- CentOS-based EL8 - 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 (GB): 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 (GB)	Data disks	Max IOPS	Temp storage (GB)	Premium disk	Cost/month
The most used sizes by users in Azure								
D51_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...
B1s	General purpose	1	0.5	2	320	4	Supported	Loading...
D52_v2	General purpose	2	7	8	6400	16	Supported	Loading...
B3ms	General purpose	4	16	8	3880	32	Supported	Loading...
D4s_v3	General purpose	4	16	8	6400	32	Supported	Loading...
D53_v2	General purpose	4	14	16	12800	38	Supported	Loading...
D6s_v3	General purpose	8	32	16	12800	64	Supported	Loading...

Azure

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

Virtual machines: 1 x 730 Hours

Savings Options

Save up to 72% on pay-as-you-go prices with 1-year or 3-year Reserved Virtual Machine instances for applications that require reserved capacity. Learn more about Reserved VM instances and Savings Plans

Compute (D2 v3)

Pay as you go

1 year reserved (-32% discount)

3 year reserved (-57% discount)

OS (Windows)

License included

Azure Hybrid Benefit

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, \$0.130/hour
- A6: 4 Cores, 28 GB RAM, 285 GB Temporary storage, \$0.660/hour

\$152.57

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 →

\*\*\* Deployment is in progress

Deployment name: CreateVm-Canonical.UbuntuServer-18\_04-lts-g... Start time: 9/22/2022, 9:57:02 PM  
Subscription: Azure for Students Correlation ID: c83aee71-a666-4a3c-815b-2d4d251ebad8

Resource group: cloud-instance-test

Deployment details

Resource	Type	Status	Operation details
No results.			

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

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Resource group: cloud-instance-test

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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Home > CreateVMs Canonical UbuntuServer-18\_04-lts-gen2-30220902215135 Overview >

### 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 (group)	cloud-instance-test	Operating system	Linux (ubuntu 18.04)
Status	Running	Size	Standard B1s (1 vcpu, 1 GB memory)
Location	Central India	Public IP address	20.219.255.142
Subscription (myorg)	Azure for Students	Virtual network/subnet	cloud-instance-test-vnet/default
Subscription ID	fb66015-784e-4afe-9511-4ac02abde52c	DNS name	test.configurl
Tags (add)	Click here to add tags		

#### Properties

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

Home > Create a resource >

## Create a virtual machine

Validation passed

#### Management

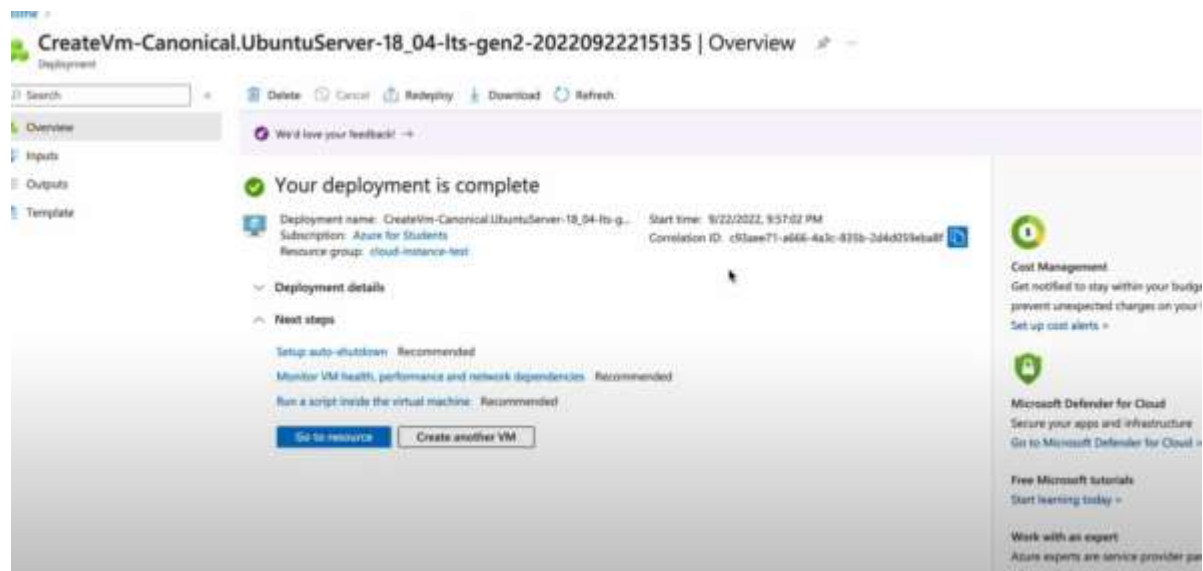
Microsoft Defender for Cloud	Basic (free)
System assigned managed identity	Off
Login with Azure AD	Off
Auto shutdown	Off
Backup	Disabled
Enable hotpatch	Off
Patch orchestration options	Image Default

#### Monitoring

Boot diagnostics	On
Enable OS-guest diagnostics	Off

#### Advanced

Extensions	None
VM applications	None
Cloud init	No
User data	No



## RESULT:

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