

## PUBLIC CLOUD CREATING AN INSTANCE IN MICROSOFT AZURE

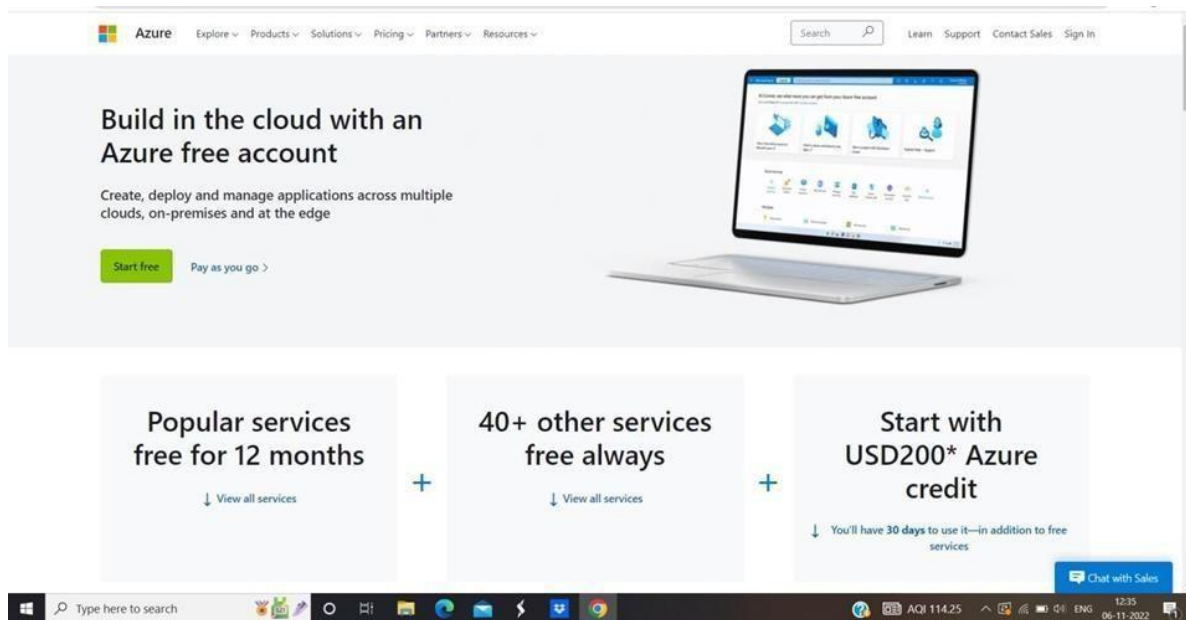
### AIM:

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:



DEFAULT DIRECTORY

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

No resources have been viewed recently

View all resources

Navigate

Subscriptions

Resource groups

All resources

Dashboard

Home >

## Create a resource

Get Started

Search services and marketplace

Getting Started? Try our Quickstart center

Recently created

Categories

AI + Machine Learning

Analytics

Blockchain

Compute

Containers

Databases

Developer Tools

DevOps

Identity

Integration

Internet of Things

IT & Management Tools

Media

Migration

Mixed Reality

Popular Azure services

See more in All services

Virtual machine

Create | Learn more

Azure Kubernetes Service (AKS)

Create | Docs | MS Learn

Azure Cosmos DB

Create | Docs | MS Learn

Function App

Create | Docs

SQL Database

Create | Docs | MS Learn

Storage account

Create | Docs | MS Learn

DevOps Starter

Create | Docs | MS Learn

Web App

Popular Marketplace products

See more in Marketplace

Windows Server 2019 Datacenter

Create | Learn more

Ubuntu Server 20.04 LTS

Create | Learn more

Windows 10 Pro, version 20H2

Create | Learn more

Ubuntu Server 18.04 LTS

Create | Learn more

Free 100

Set up + subscribe | Learn more

Elastic Cloud - Pay as you Go

Set up + subscribe | Learn more

StartStopV2

Create | Learn more

Single VM

Home &gt; Create a resource &gt;

## 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 \*

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
Most used by Azure users								
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 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 Instance pricing](#)

Compute (D2 v3)

OS (Windows)

Pay as you go

License included

1 year reserved (~32% discount)

Azure Hybrid Benefit

3 year reserved (~57% discount)

\$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...  
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.			

Microsoft Defender for Cloud

Secure your apps and infrastructure

Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provider partn...  
who can help manage your assets on Az...  
and be your first line of support.

Find an Azure expert >

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...  
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
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

Microsoft Defender for Cloud

Secure your apps and infrastructure

Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provider partn...  
who can help manage your assets on Az...  
and be your first line of support.

Find an Azure expert >

instance1

Virtual machine

Search

ConnectStartRestartStopCaptureDeleteRefreshOpen in mobileCLI / PSFeedback

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

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

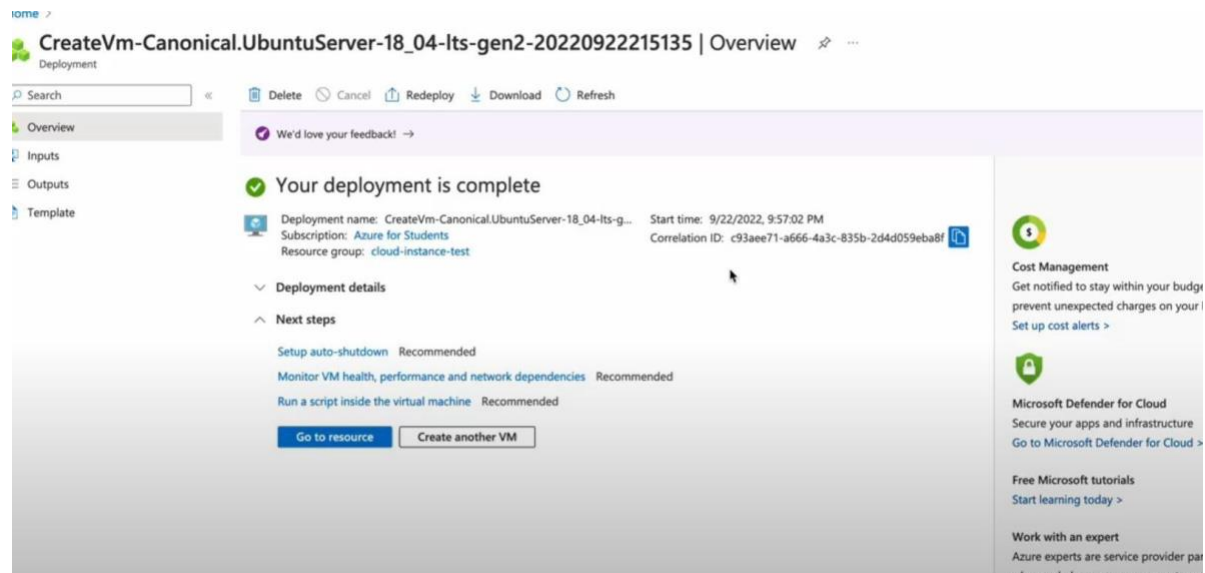
None

Cloud init

No

User data

No



## RESULT:

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