

EX.NO:06

REG.NO:210701294

DATE:

PUBLIC CLOUD CREATING AN INSTANCE IN MICROSOFT AZURE

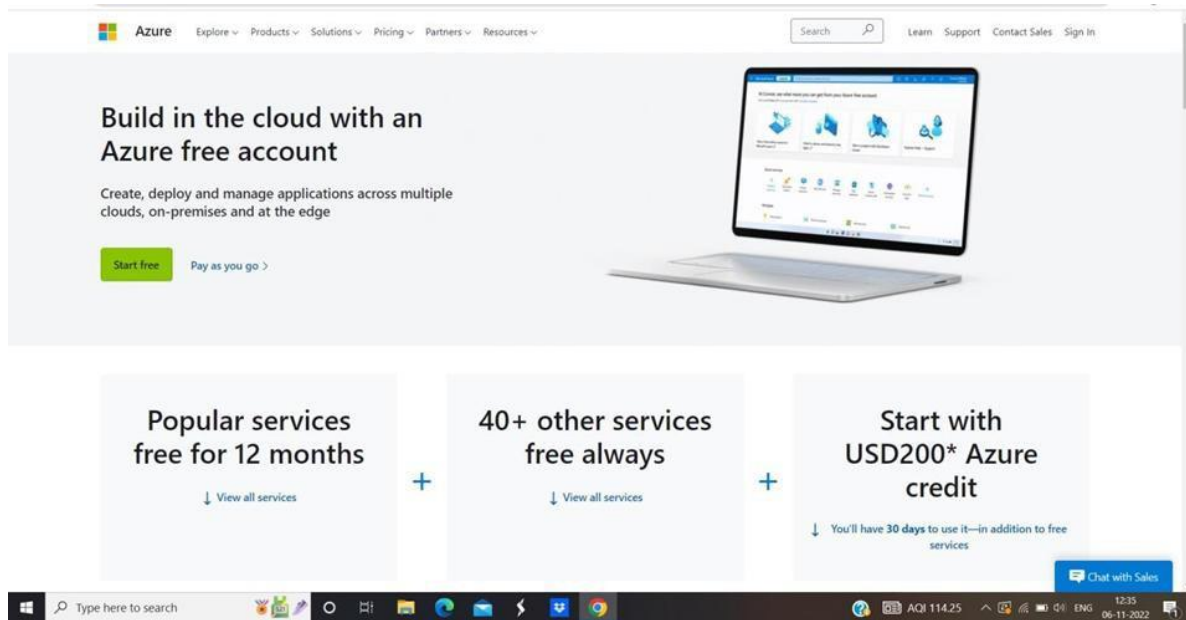
AIM:

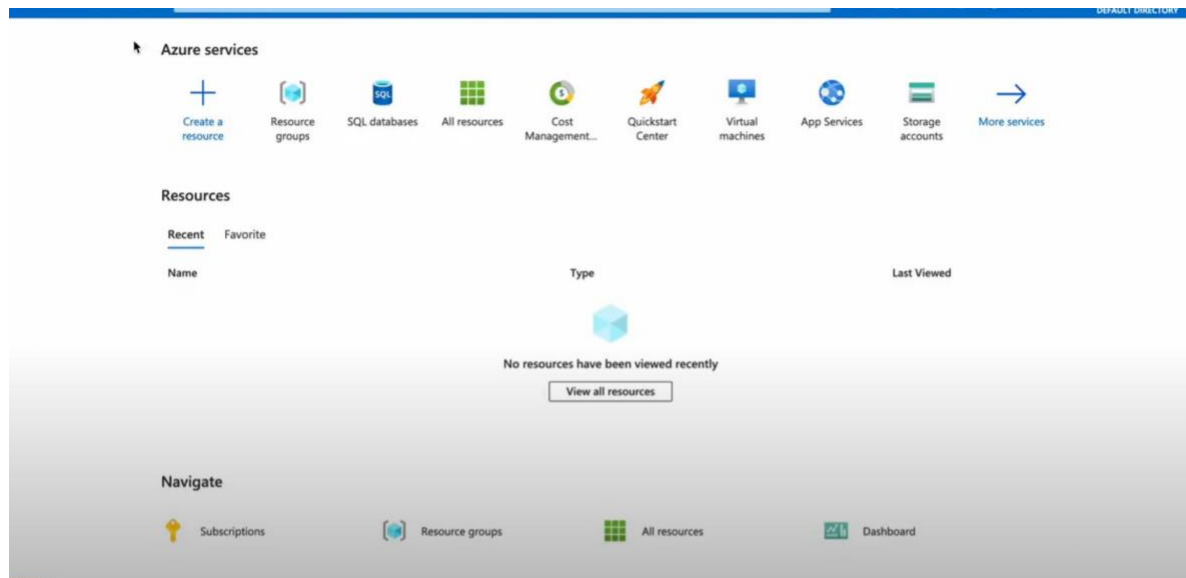
Develop a simple application to understand the concept of PAAS using Microsoft Azure.

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

Get Started

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

Search services and marketplace

Getting Started? Try our Quickstart center

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

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Set up + subscribe | Learn more

StartStopV2

Create | Learn more

Single VM

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

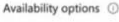
[Home](#) > [Create a resource](#) >

Create a virtual machine

EXPANDING RESOURCES

Virtual machine name * 

Region * 

Availability options 






Security type 


Image * 


VM architecture 

Run with Azure Spot discount 

Size * 

Administrator account

Authentication type 

instance1 

(Asia Pacific) Central India

No infrastructure redundancy required

Standard

Ubuntu Server 20.04 LTS - Gen2

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 - 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



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

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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 

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 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

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

\$152.57

[Home](#) >

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

Deployment

<< Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

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

Deployment

<< Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

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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	Operation details
instance1-nsg	Microsoft.Network/networkSe...	OK	Operation details
instance1-ip	Microsoft.Network/publicIP...	OK	Operation details

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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

Home > Create a resource >

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

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](#)

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RESULT:

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