

EX.NO:06

REG.NO:210701314

DATE:

PUBLIC CLOUD CREATING AN INSTANCE IN MICROSOFT AZURE

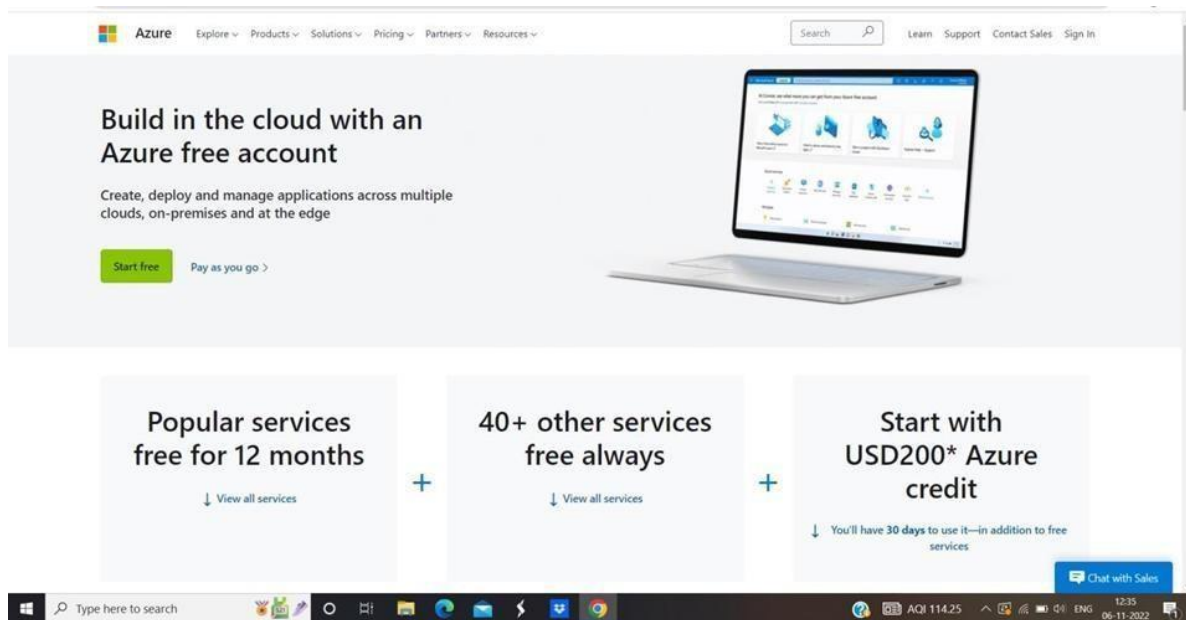
AIM:

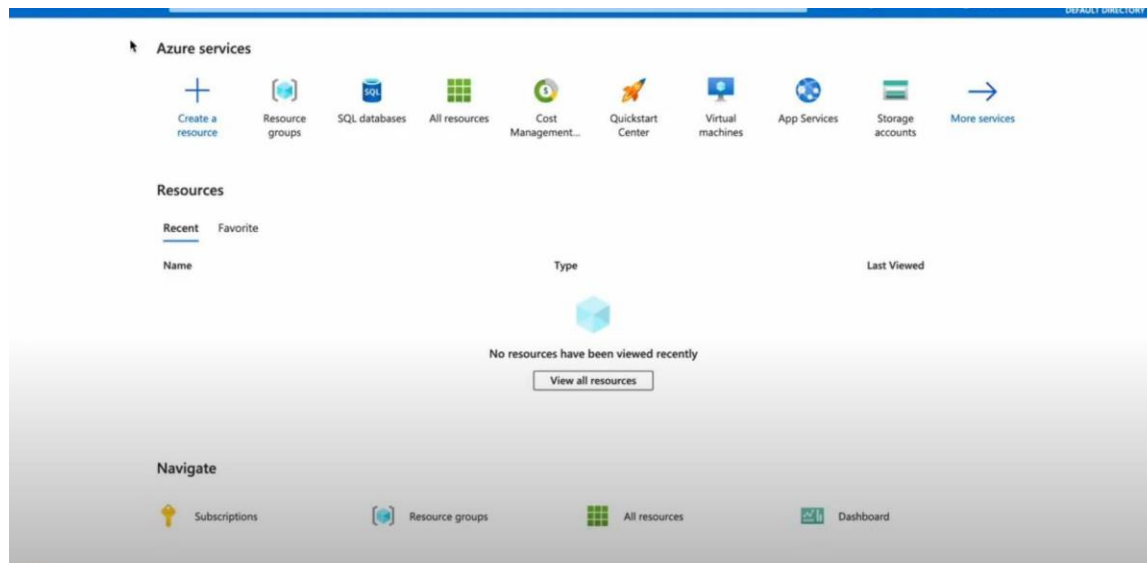
Develop a simple application to understand the concept of PAAS using Microsoft Azure.

PROCEDURE:

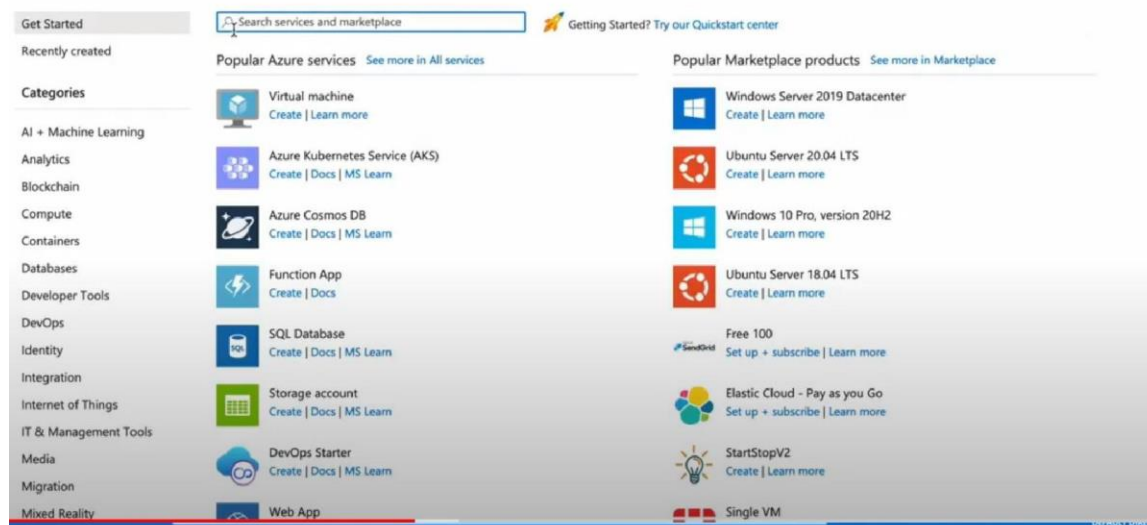
1. Sign in to the Azure portal
2. Select Azure SQL on the left menu of the Azure portal.
3. Select +Add to open the Select SQL deployment option page.
4. Select Create.

OUTPUT:





Create a resource



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

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								
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 Instances pricing](#)

Compute (D2 v3)

OS (Windows)

Pay as you go

1 year reserved (~32% discount)

3 year reserved (~57% discount)

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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who can help manage your assets on Azure
and be your first line of support.

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

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 : 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-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](#)

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RESULT:

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