

EX.NO:06

REG.NO:210701292

DATE:

PUBLIC CLOUD CREATING AN INSTANCE IN MICROSOFT AZURE

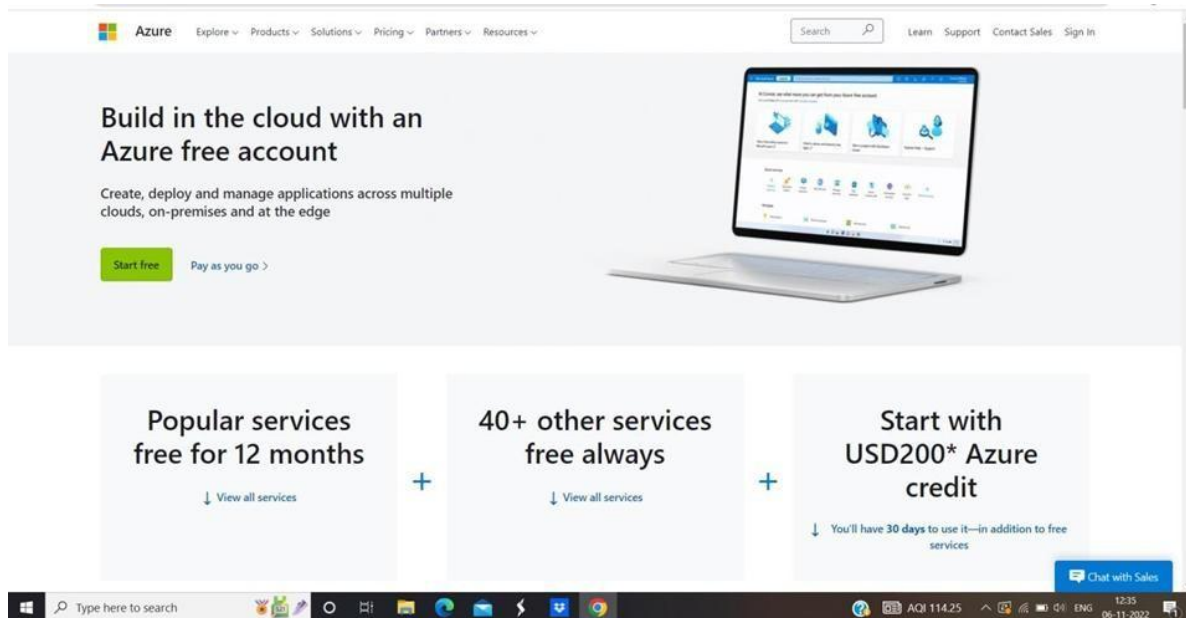
AIM:

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:



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

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 > 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

Size

Standard

Create a virtual machine

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

Select a VM size

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

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 Instance for applications that require reserved capacity. [Learn more about Reserved VM Instance 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

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

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: c93aee71-a666-4a3c-835b-2d4d059eba8f
Resource group: [cloud-instance-test](#)

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 partners who can help manage your assets on Azure 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... 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

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



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 partners who can help manage your assets on Azure and be your first line of support.
[Find an Azure expert >](#)

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

PropertiesMonitoringCapabilities (7)RecommendationsTutorials

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

RecentFavorite

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

Cost Management

Get notified to stay within your budget
prevent unexpected charges on your bill
Set up cost alerts >

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 partners who help you design, build, and manage your Azure environment.

RESULT:

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