

EXP13. DEMONSTRATE INFRASTRUCTURE AS A SERVICE (IAAS) BY CREATING A VIRTUAL MACHINE USING A PUBLIC CLOUD SERVICE PROVIDER (AZURE), CONFIGURE WITH REQUIRED MEMORY AND CPU.

Microsoft Azure Portal | Microsoft | Create a virtual machine - Microsoft

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

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Home > Create a resource > Create a virtual machine >

Create a virtual machine

Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.

Create new

Instance details

Virtual machine name * manish ✓

Region * (US) East US ✓

Availability options Availability zone ✓

Availability zone * Zones 1 ✓

☒ You can now select multiple zones. Selecting multiple zones will create one VM per zone. [Learn more](#)

Security type Trusted launch virtual machines ✓
[Configure security features](#)

Image * Windows 10 Pro, version 22H2 - x64 Gen2 ✓
[See all images](#) [Configure VM generation](#)

VM architecture ☐ Arm64 ☒ x64

Arm64 is not supported with the selected image.

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go.microsoft.com/fwlink/?LinkId=2126834

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Create a virtual machine

Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.

Administrator account

Username * ⓘmanish27✓

Password * ⓘ*****✓

Confirm password * ⓘ*****✓

Inbound port rules

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports * ⓘ

☐ None

☒ Allow selected ports

Select inbound ports *

RDP (3389)▼

All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.

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Encryption at host is not registered for the selected subscription.
[Learn more about enabling this feature](#)

OS disk

OS disk size ⓘ
Image default (127 GiB)

OS disk type * ⓘ
Premium SSD (locally-redundant storage)

Delete with VM ⓘ
☒

Key management ⓘ
Platform-managed key

Enable Ultra Disk compatibility ⓘ
☐

Data disks for manish

You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.

LUN	Name	Size (GiB)	Disk type	Host caching	Delete with VM ⓘ
<div>Create and attach a new disk</div> <div>Attach an existing disk</div>					

Advanced

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Basics Disks **Networking** Management Monitoring Advanced Tags Review + create

Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution.
[Learn more](#)

Network interface

When creating a virtual machine, a network interface will be created for you.

Virtual network * ⓘ

(new) manish-vnet
[Create new](#)

Subnet * ⓘ

(new) default (10.0.0.0/24)

Public IP ⓘ

(new) manish-ip
[Create new](#)

NIC network security group ⓘ

None

☒ Basic

Advanced

Public inbound ports * ⓘ

None

☒ Allow selected ports

Select inbound ports *

RDP (3389)

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Create a virtual machine ...

Validation passed

Availability options	Availability zone
Availability zone	1
Security type	Trusted launch virtual machines
Enable secure boot	Yes
Enable vTPM	Yes
Integrity monitoring	No
Image	Windows 10 Pro, version 22H2 - Gen2
VM architecture	x64
Size	Standard B1s (1 vcpu, 1 GiB memory)
Username	manish27
Public inbound ports	RDP
Already have a Windows license?	Yes
License type	Windows Client
Azure Spot	No

Disks

OS disk size	Image default
OS disk type	Premium SSD LRS
Use managed disks	Yes
Delete OS disk with VM	Enabled

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Windows taskbar showing search, task view, and various application icons (including Chrome, Edge, and social media apps). System tray shows weather (31°C), time (11:23 AM), and language (ENG).

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portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/_overview/id/%2Fsubscriptions%2F6f8c405b-f766-48c9-81f1-fa768d228...manishganapathi591 ss...DEFAULT DIRECTORY (MANISHG...)

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Home >CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20240308112027 | Overview

Deployment

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Overview

Inputs

Outputs

Template

✓Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsDesktop.Windows...

Subscription: Azure for Students

Resource group: Manish_group

Start time: 3/8/2024, 11:24:16 AM

Correlation ID: 23c25db0-6538-4b96-87fd-eb4b3c9c7a1e

Deployment details

Next steps

Setup auto-shutdownRecommended

Monitor VM health, performance and network dependenciesRecommended

Run a script inside the virtual machineRecommended

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