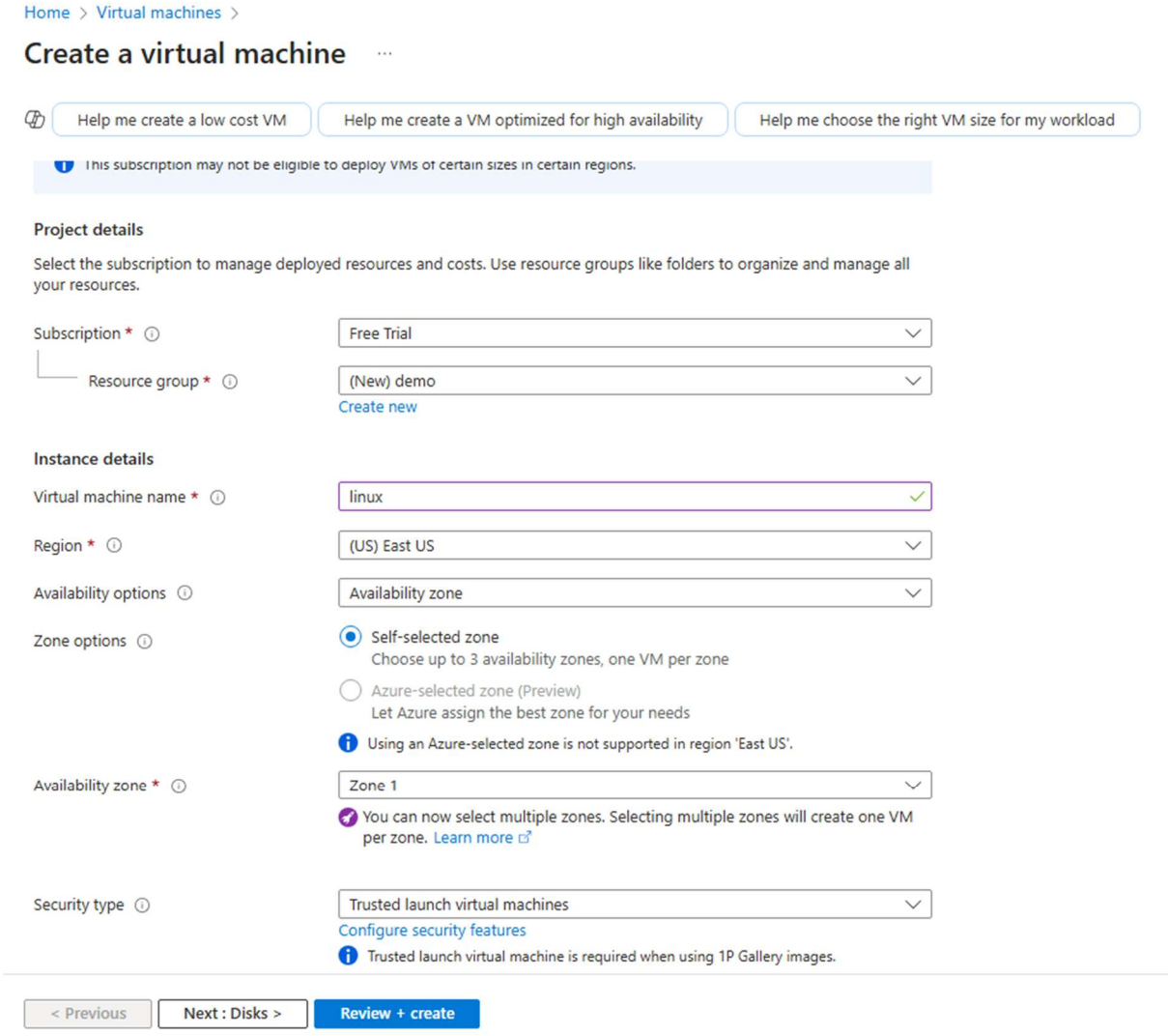
Module 4: Assignment – 1



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Create a virtual machine ...

Help me create a low cost VM | Help me create a VM optimized for high availability | Help me choose the right VM size for my work

Size * : Standard_B1s - 1 vcpu, 1 GiB memory (₹631.61/month) (free services eligible)
See all sizes

Enable Hibernation

Hibernate does not currently support Trusted launch and Confidential virtual machines for Linux images. Learn more

Administrator account

Authentication type: SSH public key / Password

Username * : rabi

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 *: SSH (22)

This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

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linux
Virtual machine

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Help me copy this VM in any region

Connect | Start | Restart | Stop | Hibernate | Capture | Delete | Refresh | Open in mobile | Feedback | CLI / PS

Location : East US (Zone 1)
Subscription (move) : Free Trial
Subscription ID : d5c8b5df-61ed-4f8a-83d5-e2ce4d3df7f7
Availability zone : 1

Public IP address : 40.76.141.195
Virtual network/subnet : linux-vnet/default
DNS name : Not configured
Health state : -
Time created : 12/03/2025, 07:49 UTC

Tags (edit) : Add tags

Properties | Monitoring | Capabilities (7) | Recommendations | Tutorials

Virtual machine

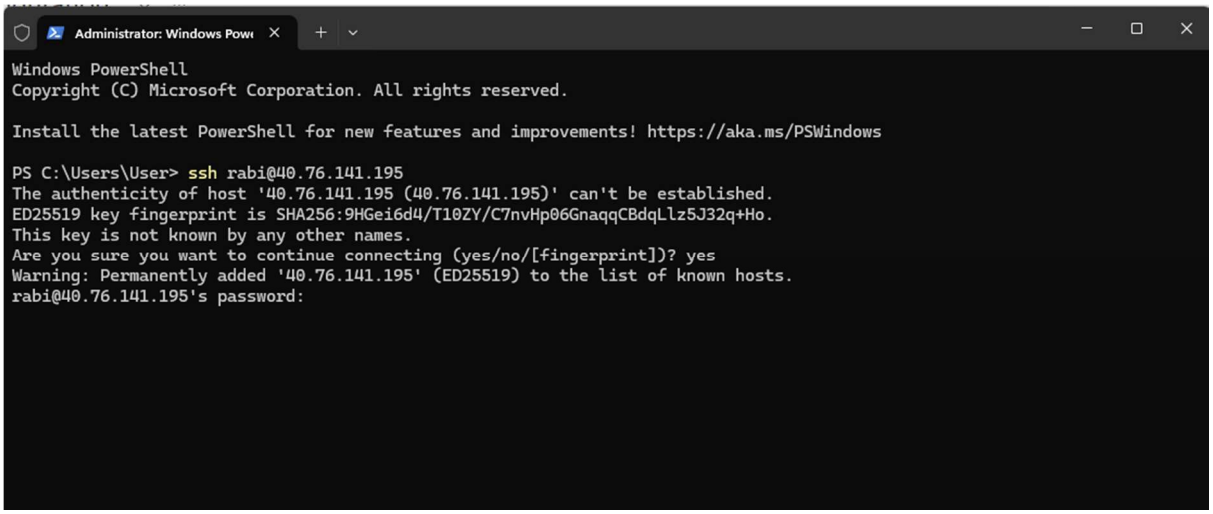
Computer name	linux
Operating system	Linux (ubuntu 24.04)
VM generation	V2
VM architecture	x64
Agent status	Ready
Agent version	2.12.0.2
Hibernation	Disabled
Host group	-
Host	-
Proximity placement group	-
Colocation status	N/A

Networking

Public IP address	40.76.141.195 (Network interface linux59_z1)
Public IP address (IPv6)	-
Private IP address	10.0.0.4
Private IP address (IPv6)	-
Virtual network/subnet	linux-vnet/default
DNS name	Configure

Size

Size	Standard B1s
vCPUs	1
RAM	1 GiB


Administrator: Windows Powe
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS C:\Users\User> ssh rabi@40.76.141.195
The authenticity of host '40.76.141.195 (40.76.141.195)' can't be established.
ED25519 key fingerprint is SHA256:9HGei6d4/T10ZY/C7nvHp06GnaqqCBdqLlz5J32q+Ho.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '40.76.141.195' (ED25519) to the list of known hosts.
rabi@40.76.141.195's password:

rabi@linux: ~
The authenticity of host '40.76.141.195 (40.76.141.195)' can't be established.
ED25519 key fingerprint is SHA256:9HGei6d4/T10ZY/C7nvHp06GnaqqCBdqLlz5J32q+Ho.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '40.76.141.195' (ED25519) to the list of known hosts.
rabi@40.76.141.195's password:
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1021-azure x86_64)
* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/pro
System information as of Wed Mar 12 07:52:23 UTC 2025
System load: 0.18 Processes: 110
Usage of /: 5.4% of 28.02GB Users logged in: 0
Memory usage: 28% IPv4 address for eth0: 10.0.0.4
Swap usage: 0%
Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
The list of available updates is more than a week old.
To check for new updates run: sudo apt update
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
rabi@linux:~$