

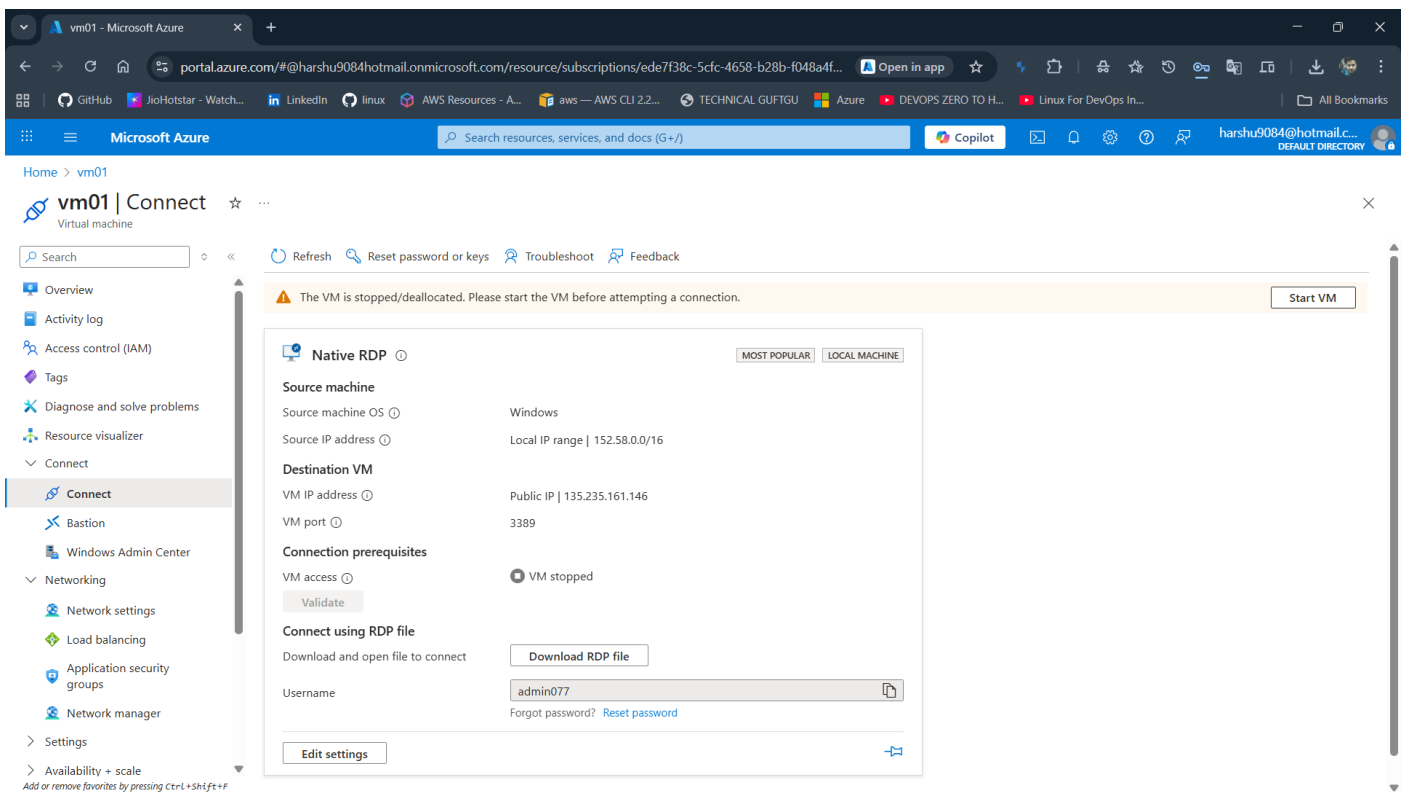
Assignment 2

Name – Ayush pandey

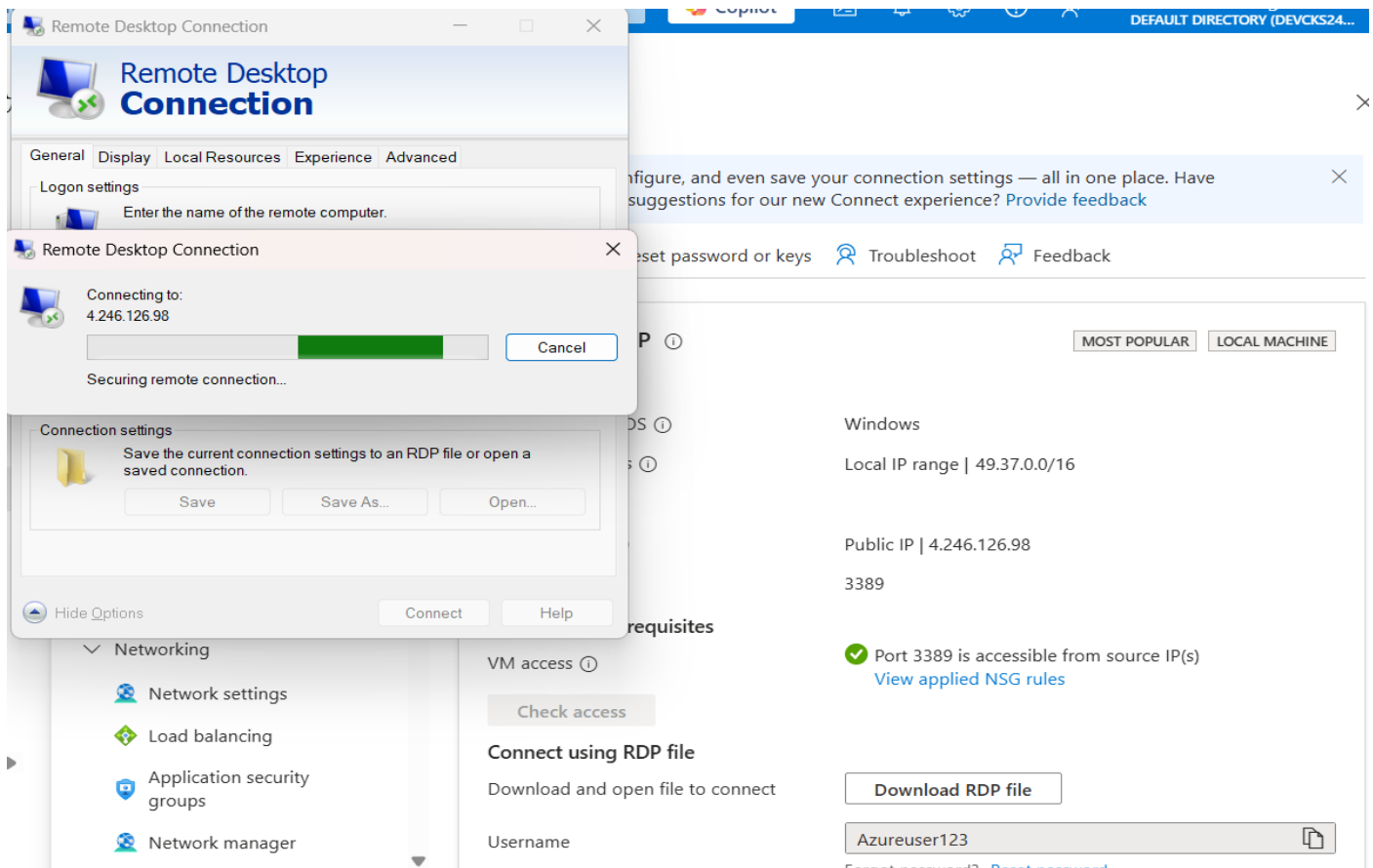
Batch – Az 900+104 (12 July Batch)

PART-1: Recreating VM using VM Image Version

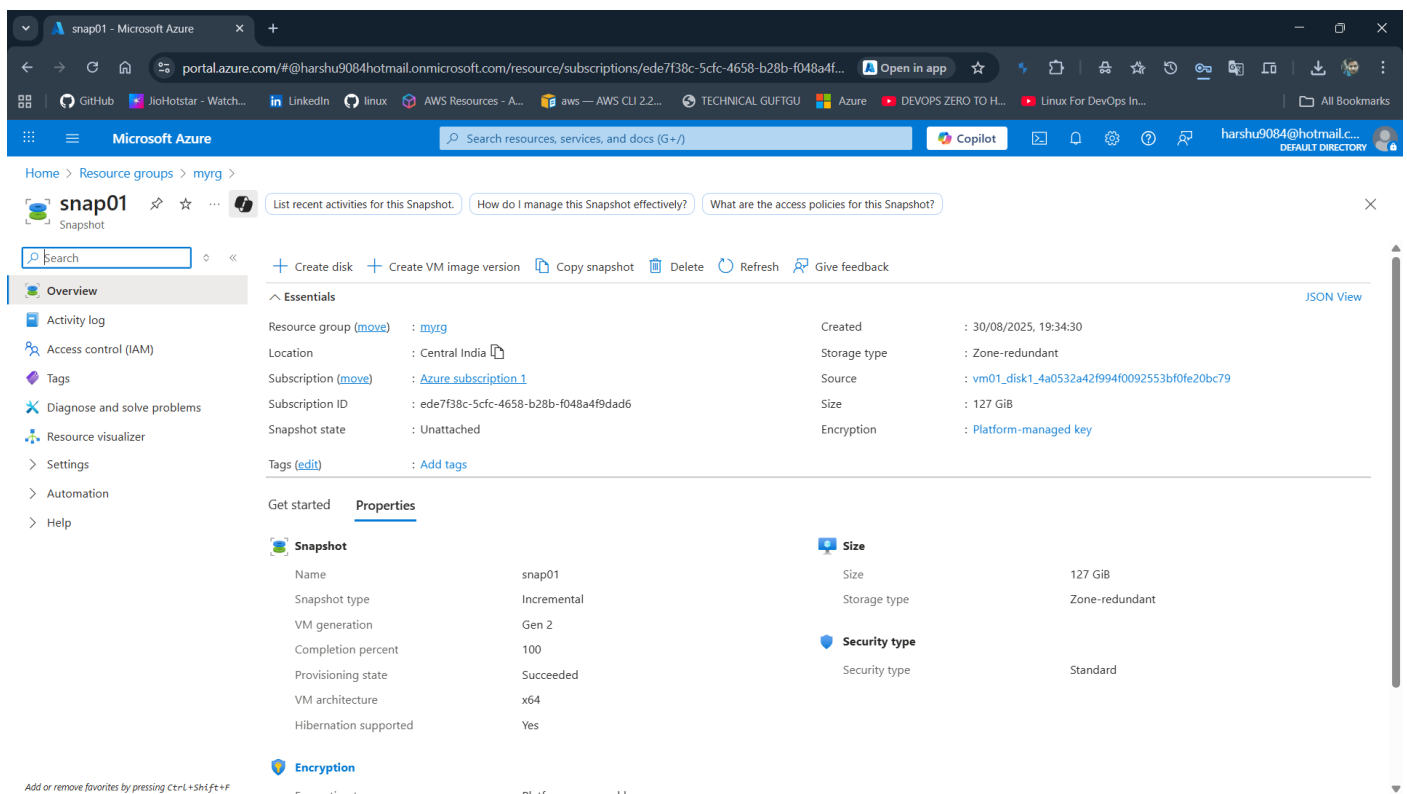
Step 1: Create a Virtual Machine



Step 2: Connect to Your Virtual Machine



Step 3: Create a Snapshot of the VM's OS Disk



Step 4: Create a VM Image from a Snapshot

Create VM image version - Mic

portal.azure.com/#view/Microsoft_Azure_DiskMgmt/CreateImageVersionBlade/_provisioningContext~/~/7B*initialVal...

Open in app

Microsoft Azure

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harshu9084@hotmail.c...
DEFAULT DIRECTORY

Home > Resource groups > myrg > snap01 >

Create VM image version

BasicsReplicationEncryptionTagsReview + create

Create a new image that can be used to deploy virtual machines and virtual machine scale sets. With a shared image, you can easily replicate the image to Azure regions around the world and manage versions of the image. [Learn more](#)

Project details

Subscription ⓘ
Azure subscription 1

Resource group * ⓘ
myrg
[Create new](#)

Instance details

Region ⓘ
(Asia Pacific) Central India

Version details

Version number * ⓘ
Example: 0.0.1, 15.35.0

Source ⓘ
Disks and/or snapshots

OS disk ⓘ
snap01

LUN
0

Data disk
Select a disk or snapshot

Review + createPreviousNext: Replication >

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Step 5: Create a New VM from a Custom Image in Azure Compute Gallery

CreateVm-1.0.1-202508301948

portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/Id/%2Fsubscriptions%2Fede7f38c-5cfc-...

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Home >

CreateVm-1.0.1-20250830194831 | Overview

Deployment

Search

DeleteCancelRedeployDownloadRefresh

OverviewInputsOutputsTemplate

Deployment is in progress

Deployment name : CreateVm-1.0.1-20250830194831Start time : 30/08/2025, 19:50:12
Subscription : Azure subscription 1Correlation ID : 7d80b6cd-36ab-4fc4-936f-e1b5d7a004c2
Resource group : versionrg

Deployment details

Resource	Type	Status	Operation details
vm02	Virtual machine	Created	Operation details
vm02260	Microsoft.Network/networkInter	OK	Operation details
network-interface-associated-virtual-network	Deployment	OK	Operation details
vm02-nsg	Network security group	OK	Operation details
vm02-ip	Public IP address	OK	Operation details

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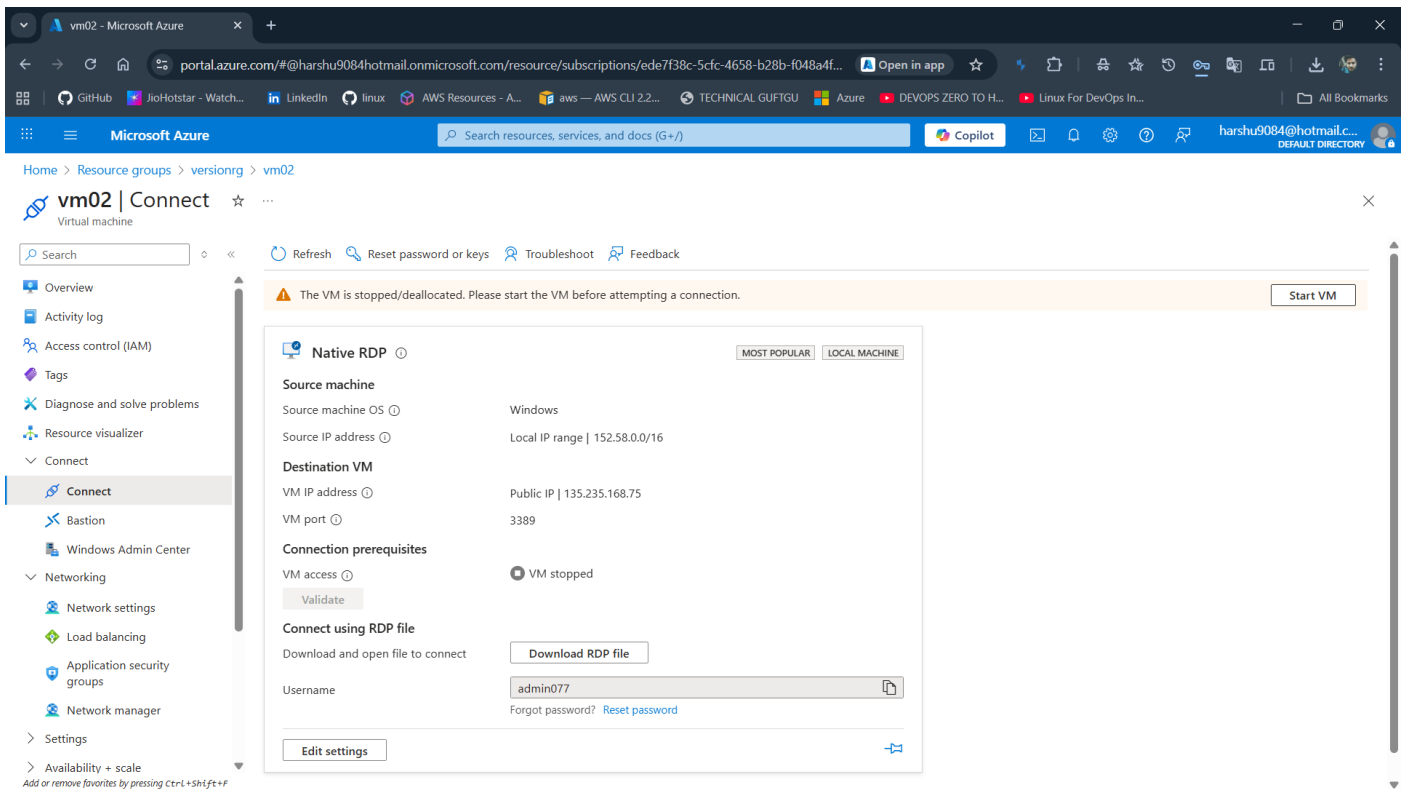
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Final Step: Verify the VM Deployed from the Azure Compute Gallery Image



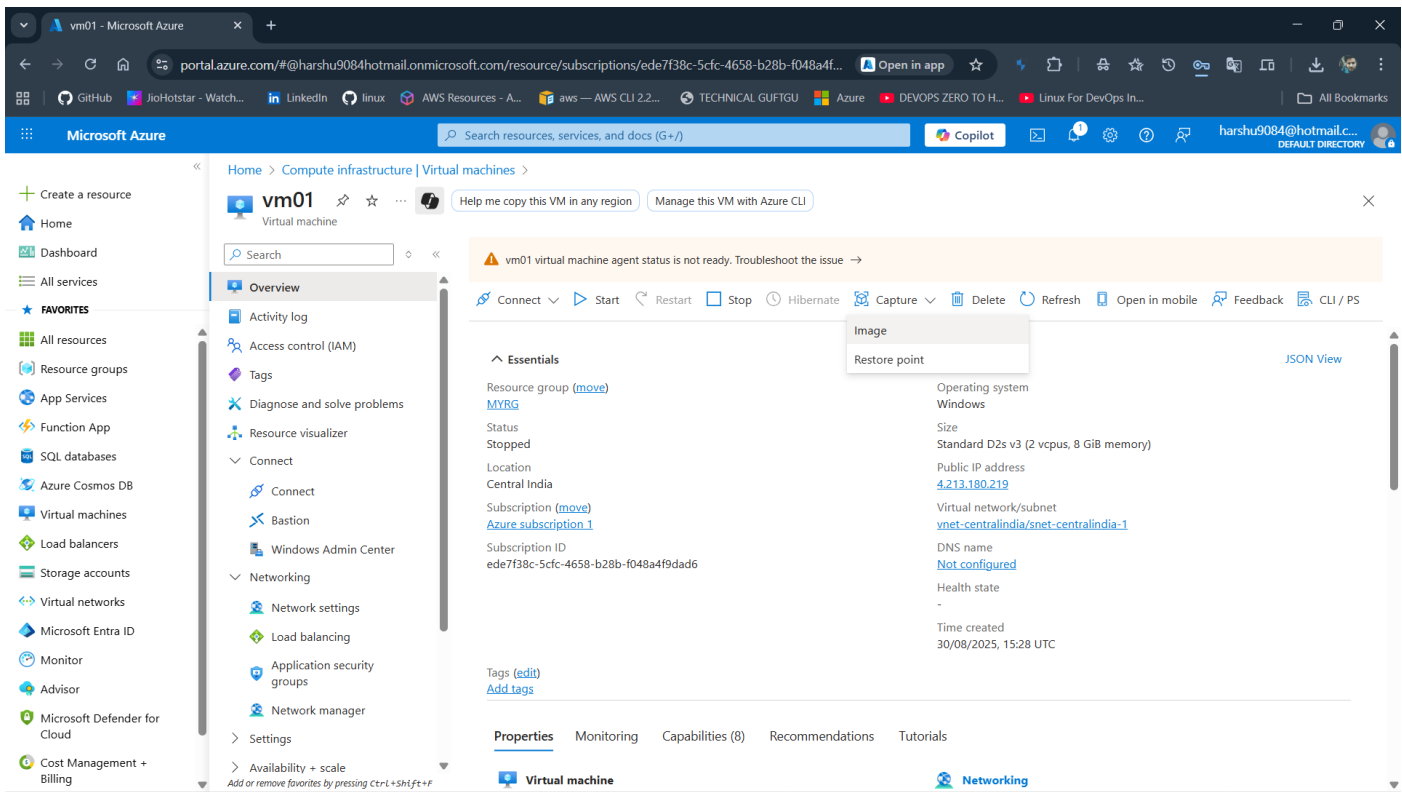
- Original VM (vm1) → 125.235.161.146
- Restored VM (restored-vm) → 135.235.168.75

This shows that while both VMs share the same configuration from the custom image, they are still independent resources with distinct network identities.

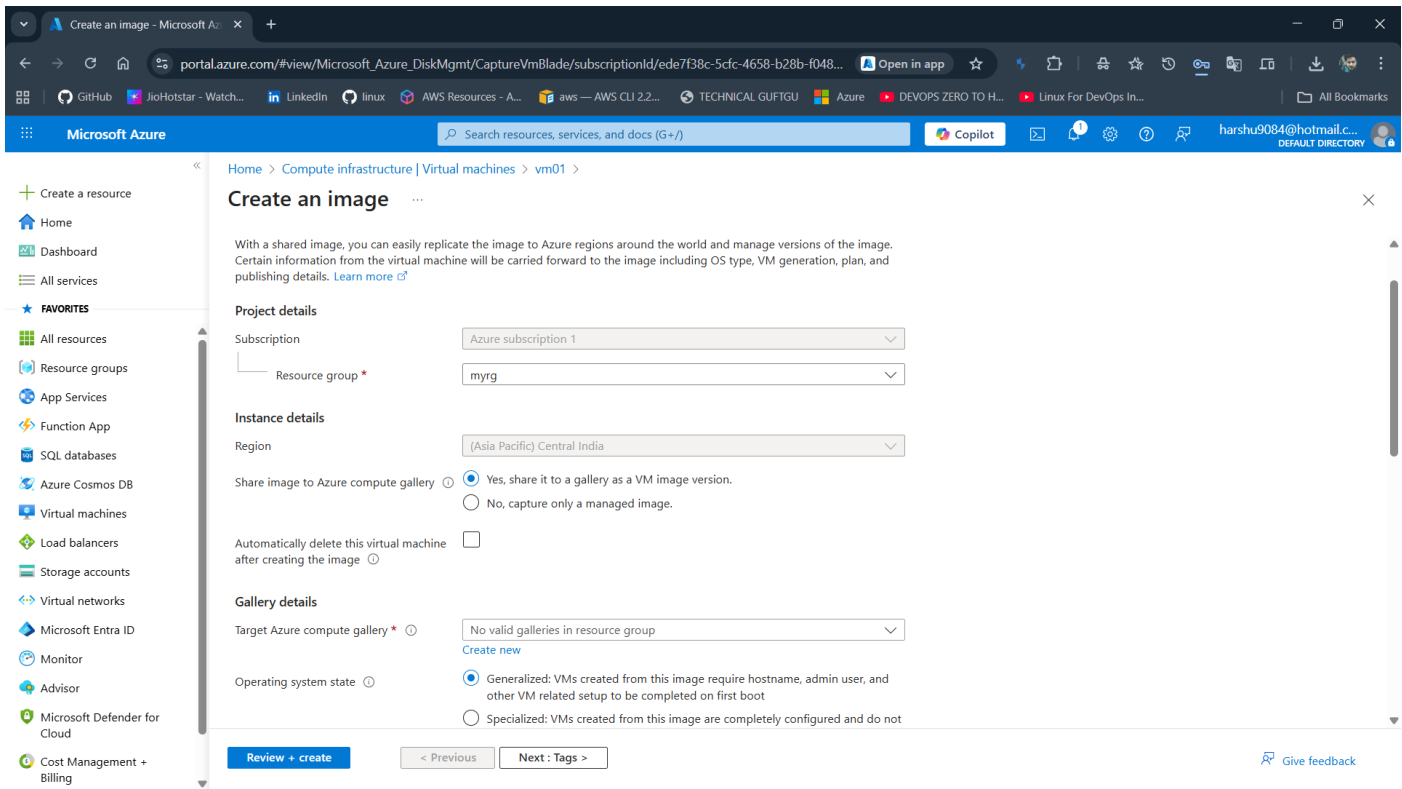
Part 2: Capturing a VM Directly to Create a Custom Image

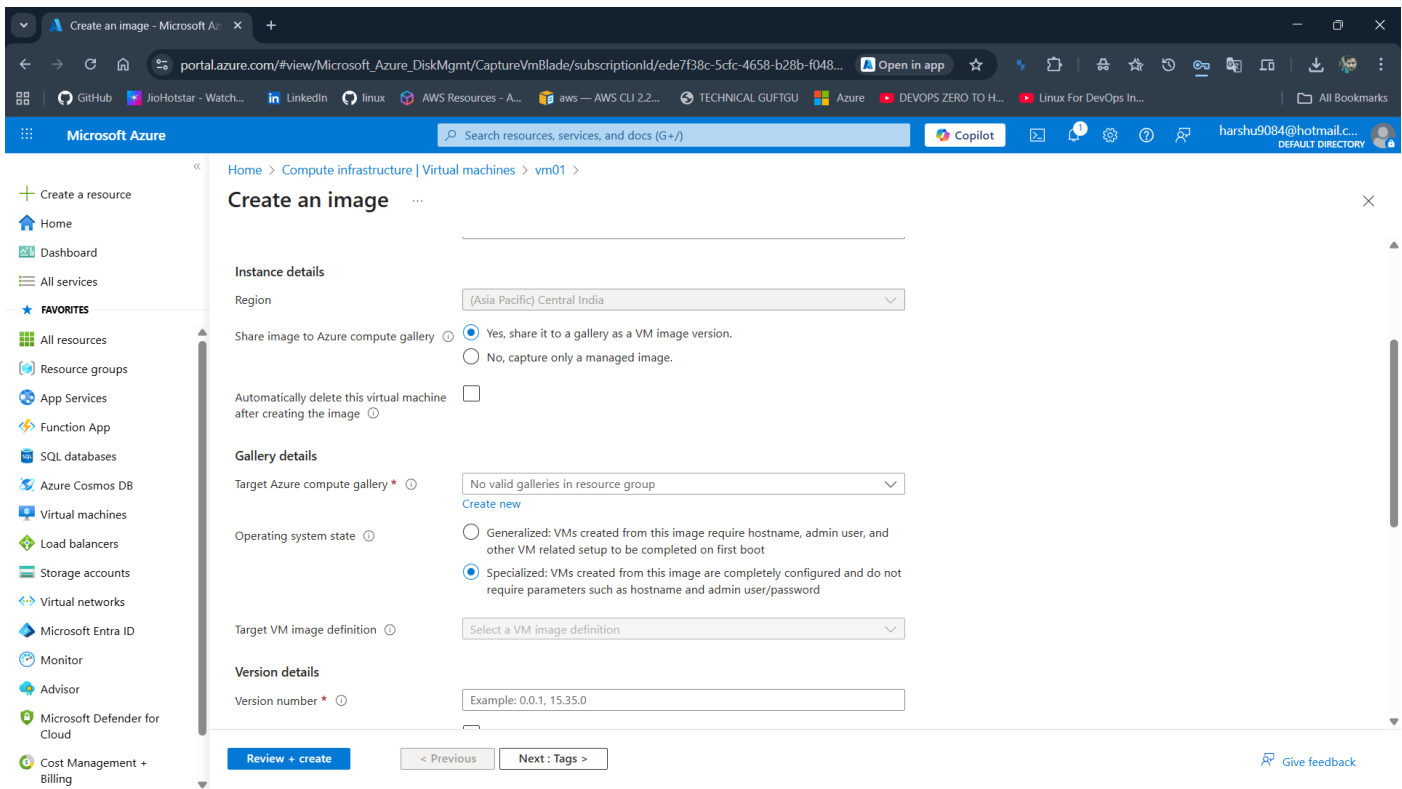
This method captures a VM directly into an image without using a snapshot.

Step 1: Prepare and Capture the VM

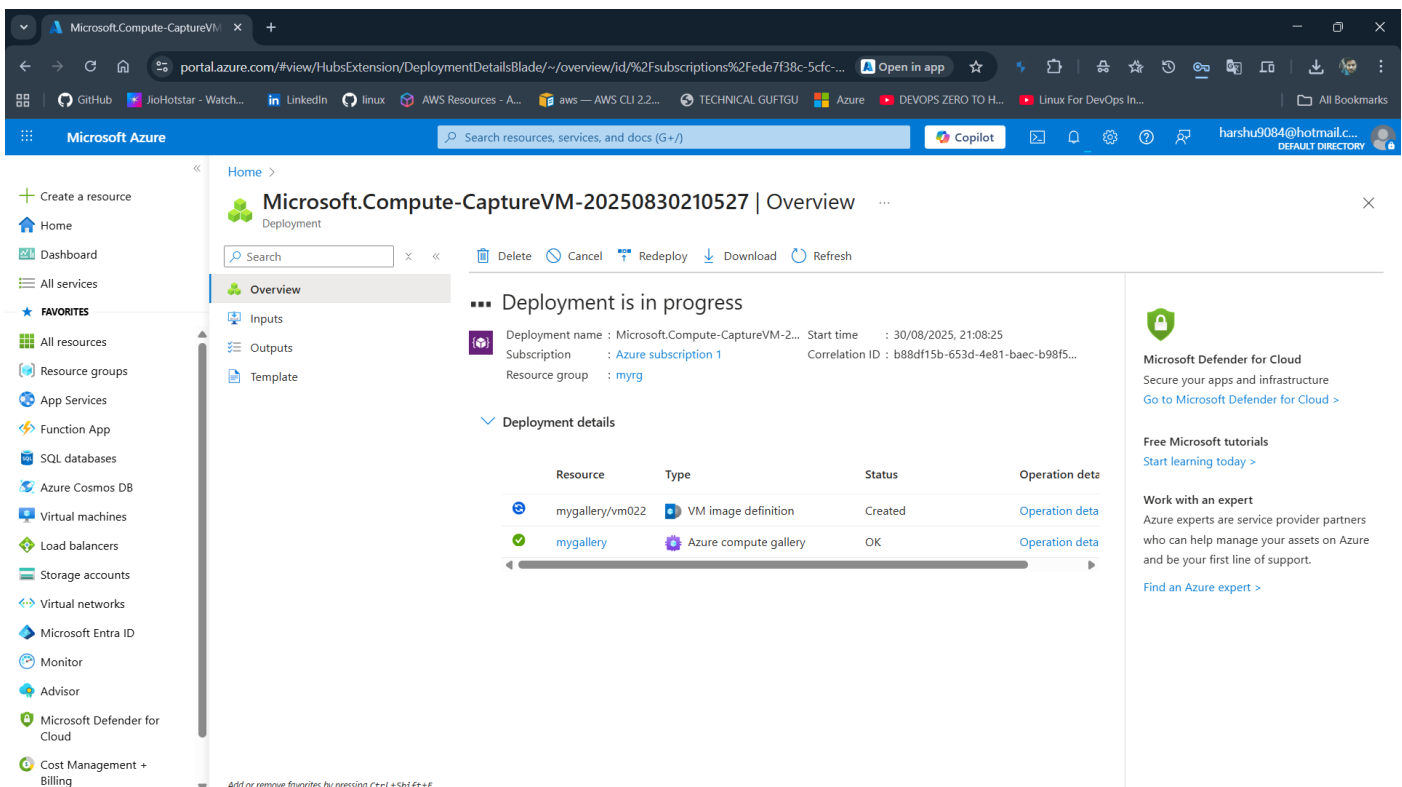


Step 2: Create the Image Version

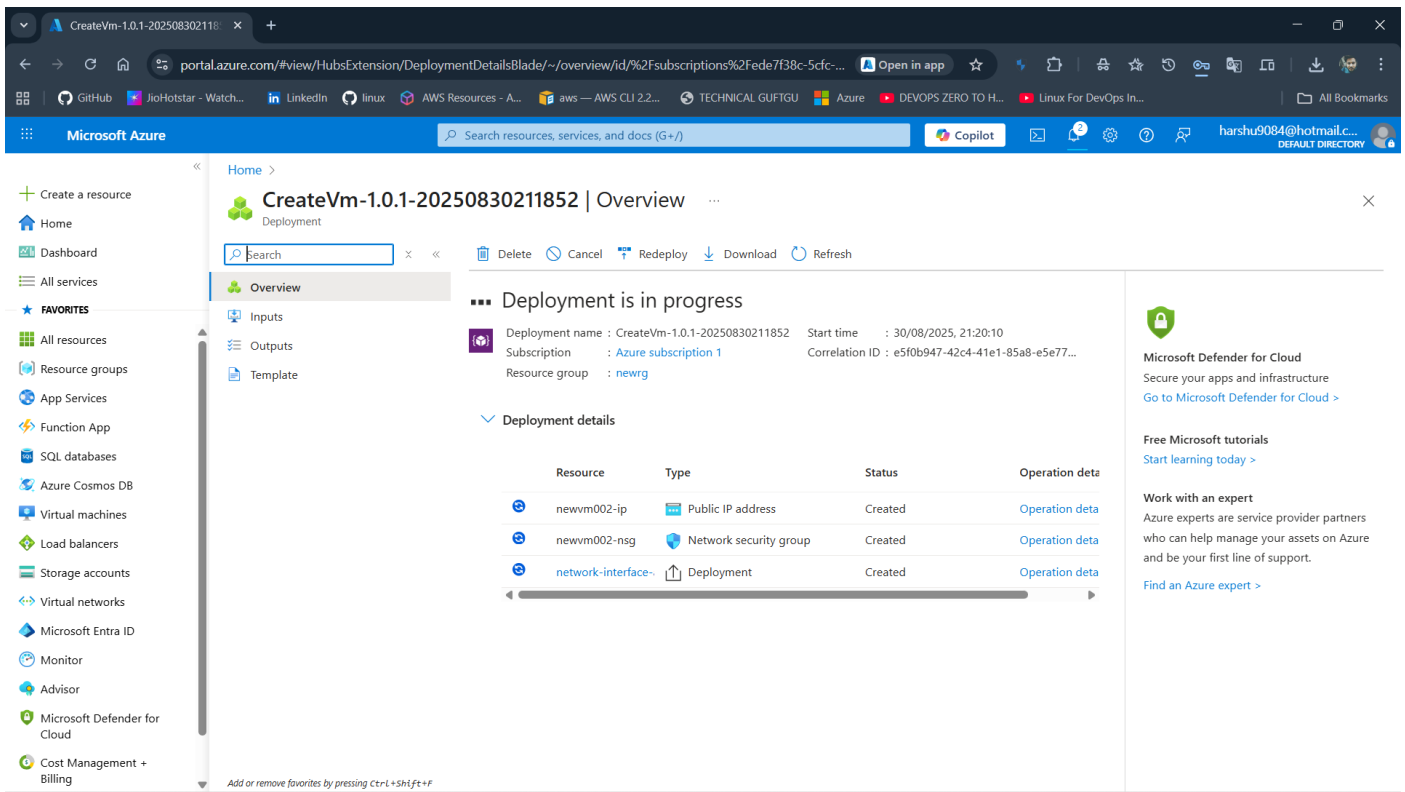




Deploying:



Step 3 – Deploying a VM from the Captured Image



Final Step - Verifying the New VM

- **Original VM (vm1) → 4.213.180.219**
- **Restored VM (restored-vm) → 74.225.219.151**

Connected to New VM: Logged into vm-new1 using its new public IP (74.225.219.151), proving it's an independent resource.

Software Check: Opened Visual Studio Code directly without reinstalling, showing the image carried over the setup.

Validation: The workflow VM → Image (via Compute Gallery) → New VM is verified—new VM has a different IP but retains all pre-installed tools.

Confirms image-based deployment creates fresh, independent VMs while keeping the original environment intact.