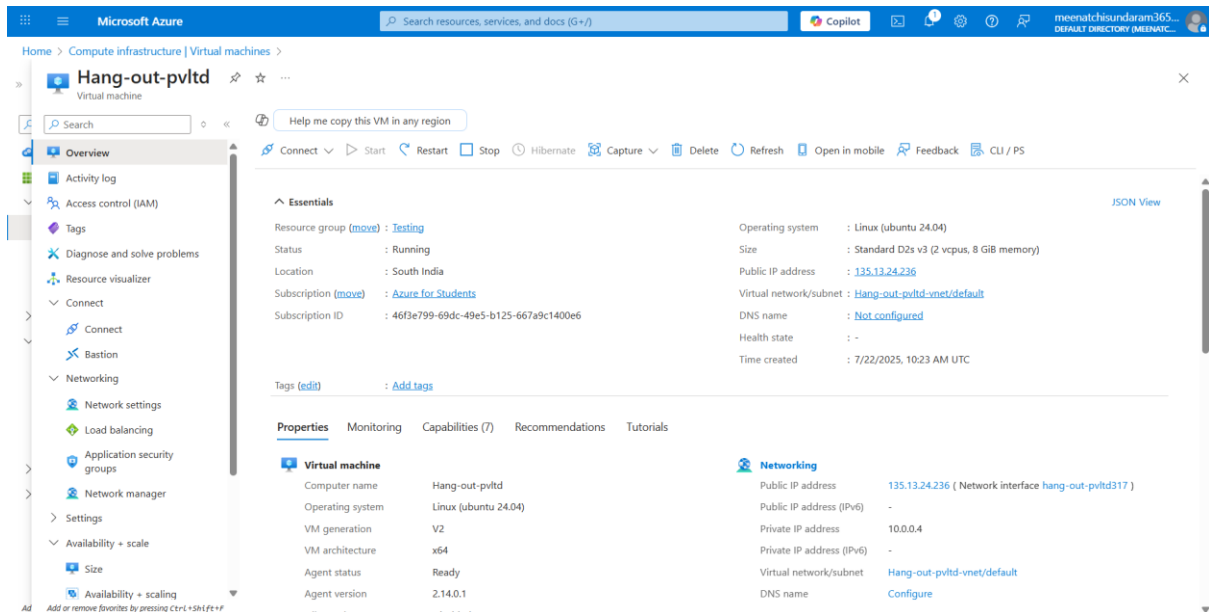


(SCP) for remote file deployment."

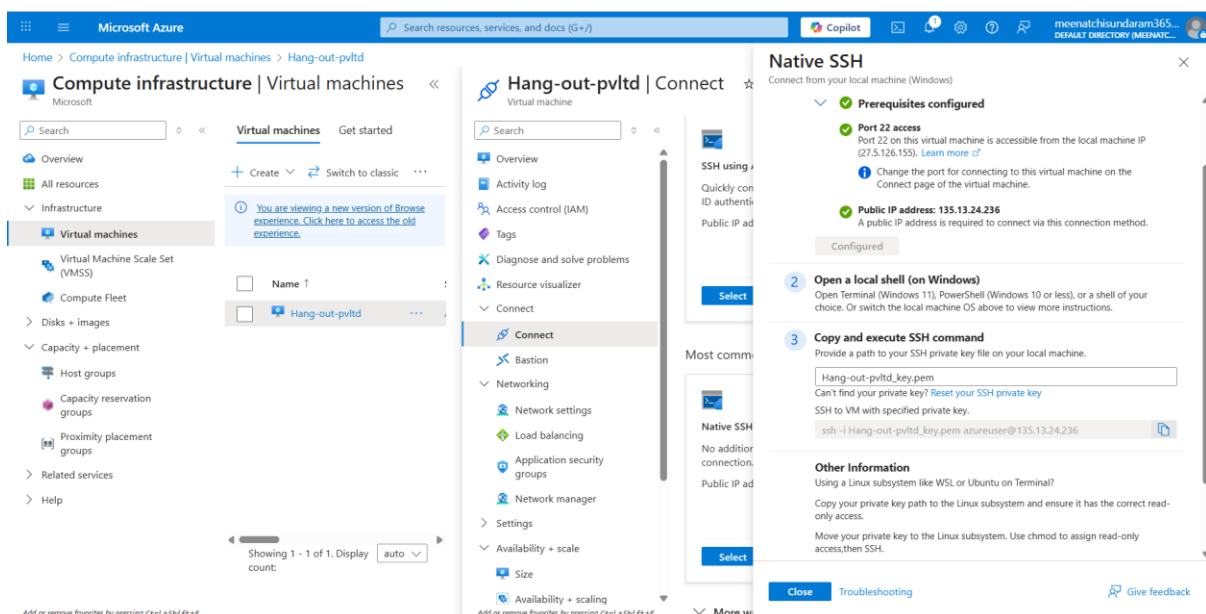
OBJECTIVE :

"Created and configured a Linux-based Azure Virtual Machine, and transferred a local file to the VM using secure copy protocol (SCP) for remote file deployment."

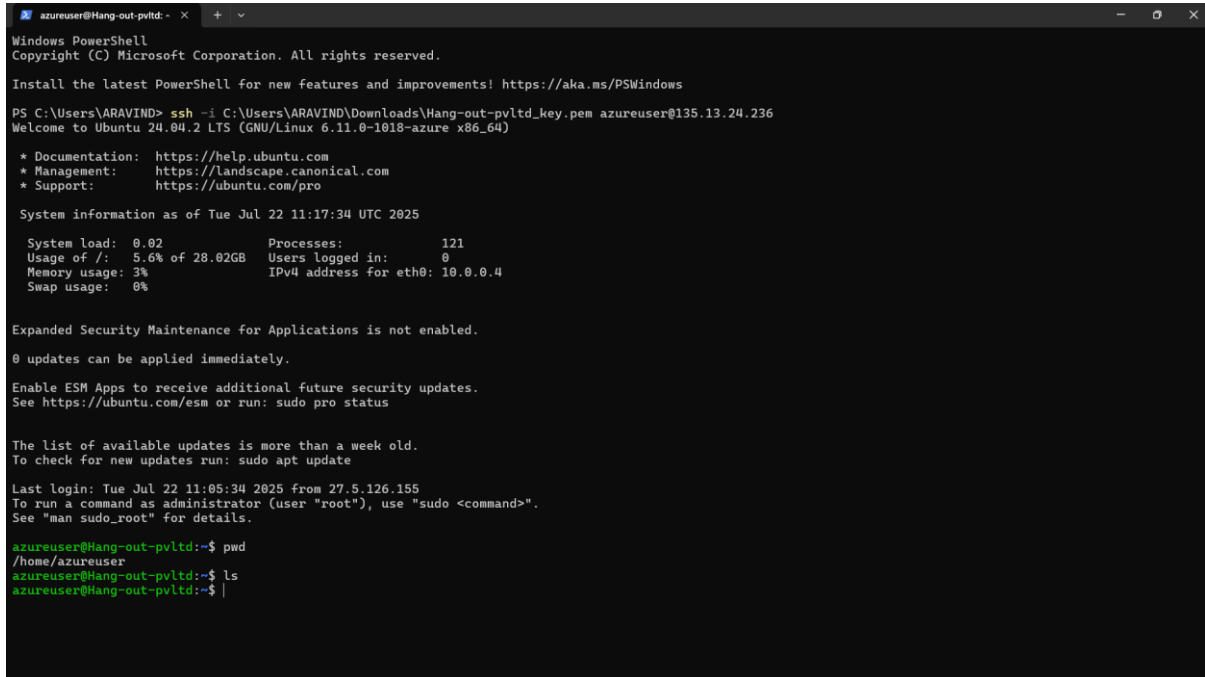
STEP 1 : Created and configured a Linux-based Azure Virtual Machine



STEP 2 : "Connected to the virtual machine using SSH with a private key for secure access."



STEP 3 : THERE IS NO FILE IN THE VM



```
azureuser@Hang-out-pvltid: - x + v
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\ARAVIND> ssh -i C:\Users\ARAVIND\Downloads\Hang-out-pvltid_key.pem azureuser@135.13.24.236
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.11.0-1018-azure x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Tue Jul 22 11:17:34 UTC 2025

System load: 0.02          Processes:    121
Usage of /:  5.6% of 28.02GB Users logged in: 0
Memory usage: 3%          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

Last login: Tue Jul 22 11:05:34 2025 from 27.5.126.155
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

azureuser@Hang-out-pvltid:~$ pwd
/home/azureuser
azureuser@Hang-out-pvltid:~$ ls
azureuser@Hang-out-pvltid:~$
```

STEP 4 : This will securely upload Resum-1.pdf to your VM's/home/azureuser/ directory.

!Important:

Exit from the VM and COPY the file. Because Once you're **logged into the VM**, you're inside a **remote shell** — and your **local Windows files are not accessible from the VM directly**.



```
Windows PowerShell
PS C:\Users\ARAVIND> scp -i "C:\Users\ARAVIND\Downloads\Hang-out-pvltid_key.pem" "C:\Users\ARAVIND\Documents\Resum-1.pdf" azureuser@135.13.24.236:/home/azureuser/
Resum-1.pdf
PS C:\Users\ARAVIND> |
100% 66KB 2.0MB/s 00:00
```

STEP 5 : "The file was securely uploaded from the local system to the Azure VM using key-based SSH authentication and SCP."

```
PS C:\Users\ARAVIND> ssh -i C:\Users\ARAVIND\Downloads\Hang-out-pvltld_key.pem azureuser@135.13.24.236
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.11.0-1018-azure x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Tue Jul 22 11:20:26 UTC 2025

System load:  0.02          Processes:      124
Usage of /:   5.6% of 28.02GB Users logged in:    0
Memory usage: 3%           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

Last login: Tue Jul 22 11:17:35 2025 from 27.5.126.155
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

azureuser@Hang-out-pvltld:~$ pwd
/home/azureuser
azureuser@Hang-out-pvltld:~$ ls
Resum-1.pdf
azureuser@Hang-out-pvltld:~$ |
```