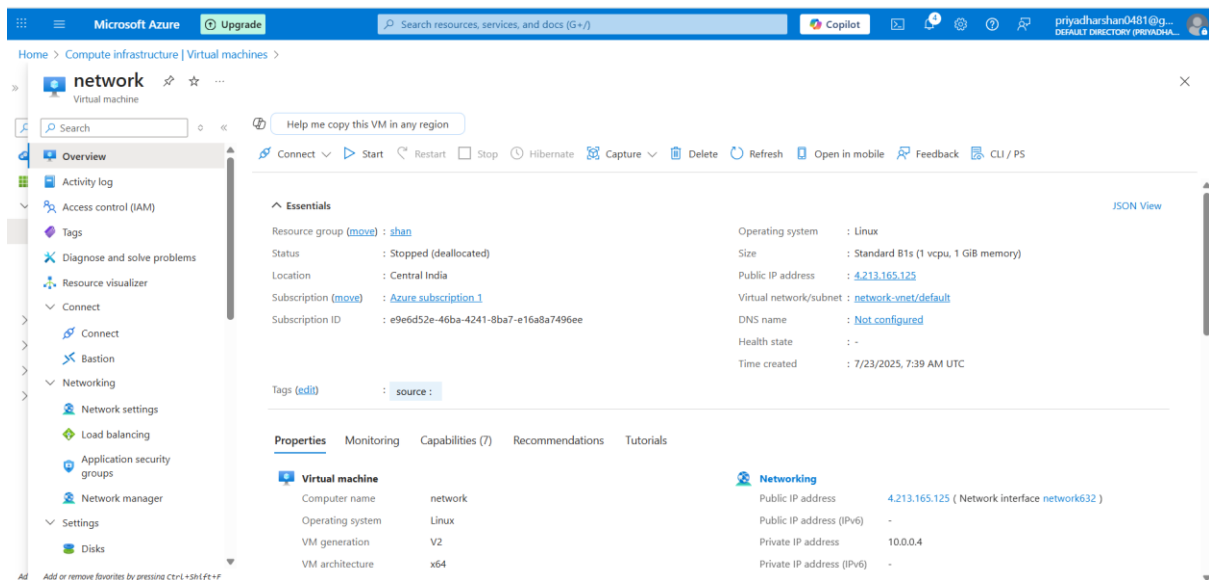


# CLONING A GITHUB REPOSITORY TO AN AZURE VIRTUAL MACHINE

## OBJECTIVE:

To securely access and clone a GitHub repository into an Azure Virtual Machine (VM) in order to set up a development environment, deploy code, or manage project files directly within the VM for further operations such as testing, configuration, or execution.

## STEP 1: Created a one virtual machine name it as “network”



STEP 2: After establishing a connection to the virtual machine from my local system, I verified that the target directory was initially empty prior to cloning the GitHub repository

```
Windows PowerShell
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

azureuser@VM2:~$ ls
azureuser@VM2:~$ exit
logout
Connection to 20.235.158.172 closed.
PS C:\Users\ASUS> scp -i C:\Users\ASUS\Downloads\VM2_Key.pem -r C:\Users\ASUS\Downloads\task azureuser@20.235.158.172:/home/azureuser/
PS C:\Users\ASUS> ssh -i C:\Users\ASUS\Downloads\VM2_Key.pem azureuser@20.235.158.172
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 Wed Jul 23 06:41:36 UTC 2025

System load:  0.0          Processes:    112
Usage of /:   5.6% of 28.02GB Users logged in:  0
Memory usage: 13%         IPv4 address for eth0: 124.0.0.68
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: Wed Jul 23 06:41:37 2025 from 27.5.126.155
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

azureuser@VM2:~$ ls
task
azureuser@VM2:~$ |
```

STEP 3: I executed the git clone command with my GitHub repository URL to clone the repository into the virtual machine.

```
azureuser@network:~$ pwd
/home/azureuser
azureuser@network:~$ ls
azureuser@network:~$ git clone https://github.com/priyadharshan28/Az-104-POC
```

STEP 4: I successfully cloned my GitHub repository to the virtual machine and verified that the directory Az-104-POC was created and accessible.

```
azureuser@network:~$ pwd
/home/azureuser
azureuser@network:~$ ls
azureuser@network:~$ git clone https://github.com/priyadharshan28/Az-104-POC
Cloning into 'Az-104-POC'...
remote: Enumerating objects: 12, done.
remote: Counting objects: 100% (12/12), done.
remote: Compressing objects: 100% (10/10), done.
remote: Total 12 (delta 2), reused 11 (delta 1), pack-reused 0 (from 0)
Receiving objects: 100% (12/12), 2.80 MiB | 3.43 MiB/s, done.
Resolving deltas: 100% (2/2), done.
azureuser@network:~$ ls
Az-104-POC
azureuser@network:~$
```

STEP 5: Listed the files in a AZ-104-POC

```
azureuser@network:~$ ls
Az-104-POC
azureuser@network:~$ ls Az-104-POC
Task1.pdf Task2.pdf Task3.pdf Task4.pdf
azureuser@network:~$
```

STEP 6: I used the git pull command to retrieve the files from my GitHub repository to the local virtual machine.

```
Az-104-POC
azureuser@network:~$ ls Az-104-POC
Task1.pdf Task2.pdf Task3.pdf Task4.pdf
azureuser@network:~$ ls Task1.pdf
ls: cannot access 'Task1.pdf': No such file or directory
azureuser@network:~$ vim Task1.pdf
azureuser@network:~$ vim Task3.pdf
azureuser@network:~$ git pull
fatal: not a git repository (or any of the parent directories): .git
azureuser@network:~$ cd Az-104-POC
azureuser@network:~/Az-104-POC$ git pull
Already up to date.
```

STEP 7: The file "Task 4.pdf" appears to be in an encrypted format and is not in an open file format.

```
azureuser@network: ~/Az-10- x + v
hPDF-1.7*M
%uuumM
1 0 obj*M
<</Type/Catalog/Pages 2 0 R/Lang(en) /StructTreeRoot 40 0 R/MarkInfo<<Marked true>>/Metadata 128 0 R/ViewerPreferences 129 0 R>>*M
endobj*M
2 0 obj*M
<</Type/Pages/Count 5/Kids[ 3 0 R 13 0 R 19 0 R 33 0 R 37 0 R ] >>*M
endobj*M
3 0 obj*M
<</Type/Page/Parent 2 0 R/Resources<</Font<</F1 5 0 R/F2 9 0 R>>/ExtGState<</GS7 7 0 R/GS8 8 0 R>>/XObject<</Image11 11 0 R/Image12 12 0 R>>/ProcSet[/PDF/TeX/ImageB/ImageC/ImageI] >>/MediaBox[ 0 0 595.32 841.92 ] /Contents 4 0 R/Group<</Type/Group/S/Transparency/CS/DeviceRGB>>/Tabs/S/StructParents 0>>*M
endobj*M
4 0 obj*M
<</Filter/FlateDecode/Length 1308>>*M
stream*M
x<9c>vY]SÜ8*T]İİp<83>^*^â*^"-^0Ü0N$3!^DH^MB<97>^Xh+^AMM04^_Öq^S;^k+^Ëv>66<9b>|vy^bEJçèèèè(!ÇÈSpND%;kê^MN<89>}|^Vİ^<84>FôİİËzÿ<9e><9c><9c>öÈ+vÈf6piqb^SCw<98>^T
D+İ|A<92>^Y^y<83>İÜ-<93> Y;+â<84>+f+^R<^["^Xm^SNuGR+â9.S. f^Pw>öEd C<93><89>yÜüÿwö<89><9e>^M.-^?Hð;Yêâ<98>^?.[5pð=mir009b<9f>X^N^]]t-<9f>DÜ^NİVİd%
ö^x^?ç^K<8a>w^A<92>^Fâ^TSç
İ^Dİi^G+ m;?S<96>Kwö3^P0e^xkÄÿs+^T^k^[X<92>b^D.Yk^<84>@^%<8b>Â^?^BNö^X(ÖİKÜ<8a>9~^U^<9b>è[<8b>^Kz^Nt.H^WSp<8b>bG6^Râö<98>^@>R3kGg^Het}óWİ R^@<9a>S^AZÿ^Vä^G
Ä<91>bÜ<8f><98>Y^E^[^<82><9e>^H<88>2A9ö6x]<9f>|^<8a>8{<96>|Äâ@^0iðç/)HJ^K<91>Çü
^B^G^H8j^P|<8c>V.<8c>x^]İul R^<83>-^A8@<2İaf<88>^A^F1.R^"R^VVG^@k<8e>öİ LÄ/S~^Q1$İöÑē.yĒ2<82>B;f<96>^U<94>^$Ä.<9a><86>sl0^g/^_äâ^AÈM<87dq<9b><9a><88>4
^H^<88>^Qj<9a>wİ<86>^0aÜ$<86>Rİ^B^Y0^Mİ^V&88>ö^RmFÈ 0<97>FVÄİ9Mpe^TcV^X^SN<81>xYk[ä<92>ê<96>ä@^LÜ<84><85>^<8f>fiAÄp^F0<9e>^ä^X<88>öÄ0L^İf8eGöç<9c>^HHE8l<
98>H4cfİY^_Pj|<87>ÄC8<9c>x8p>exçÜ;<89>ç^BE7(Cy.yLİen^HrÄ;öÜÄ$#3İ^5A<83>µ0<8b> è2HätHmb^@caİD4Ä!^Ró^YçÜ~ÖJ3İöÄ^*Wtg@uV$âk^P04#j}Py^Ao=L^TaÿyÄ<93>^Q^L<9b>^
L<8b>8q
}âh<89>A0$^A$FzÜMuxV6Ä^L<82>yGgyTk^<8f><90><8b>^UäV|ÄEÑ;DÿÄ!ÜäGÄ;wbw^V&İFK<8c>xk<97>1<81>5\ä<94>ö&kMm^V>ö+âzÑÄ^AÈÈ6^Y7kzv
<<x^P:UCV^"PE<96>eFk^T8^töäzVj<96>z..ÄjWä6pvq^W~v^E^" <81>ö<96>LwUXİ^TB09ÄÄ<82>;Wv^B^*****?EÄ^88* ~PE<98>JÄ<81>WÄYXÜ;än6D^KD,*R,*V80^XJwçEÈ^"®<zv÷?^SVTLÜ
j0) n0Ä^Gä<95>öB$;Zä^HÜ<92>^RİAö6^n^>WÄÄÄ88İk<98>^X^W<8c>İ+<96>^Uİ^N+0hàJ^BâÖuK ^08D7ÄÄ^ÇXV6<83>ÜÜ
<9e>YÄ08j ^T9e^"PAal0Ü ^B~f0Näâ&öxn_8~+^NUj^Y~İ^UoGTL^[^<8b>bİ0~ç<8e>a0Q6Äkè2[; |ÜÜ<98>/<99>äTİz^Y^b^L]ä0^TN<9e><88>x..»R<82>9<95>+_ÿ2+ââ~"BoçæVÜx<9e><
8d>+İ -RÜ<8a>8u^İ^H^X;bjç<93><8e><8d>_ä^Dä0x^OjÈR^KH7kÿ=Ñ+U^G^öQ<82>_İ<85>xnoY^Q!^"Q^0E<9d>wxb<83><88>^U<90>^:"^A^äâpEİ<81>^X<93>Y8pöİwİk^F^Ffÿ_ÄY<86>^N^H^)^]
|e<95>VMX^Kİ|ç@k0İ8èe)âµ~q;|D&<8c>7èz|İ$6^Dİä<86><95>0^Pñ<84>ñNJ^Räâİ^HB<98>A0pE^#jD^èİ&8v^F^p^RqNN^Wm^TKİ^"Ace^WXxäi<8a><85>H>Ut0<82>^RUP?^A^<8c>^&^M
endstream*M
endobj*M
5 0 obj*M
<</Type/Font/Subtype/TrueType/Name/F1/BaseFont/BCDEEE+Calibri-Bold/Encoding/WinAnsiEncoding/FontDescriptor 6 0 R/FirstChar 32/LastChar 122/Widths 121 0 R>>^
M
endobj*M
6 0 obj*M
<</Type/FontDescriptor/FontName/BCDEEE+Calibri-Bold/Flags 32/ItalicAngle 0/Ascent 750/Descent -250/CapHeight 750/AvgWidth 536/MaxWidth 1781/FontWeight 700/X
Height 258/StemV 53/FontBBox[ -519 -250 1263 750 ] /FontFile2 119 0 R>>^M
endobj*M
"Task4.pdf" [noeol][converted] 3642L, 1336393B
1,1 Top
```