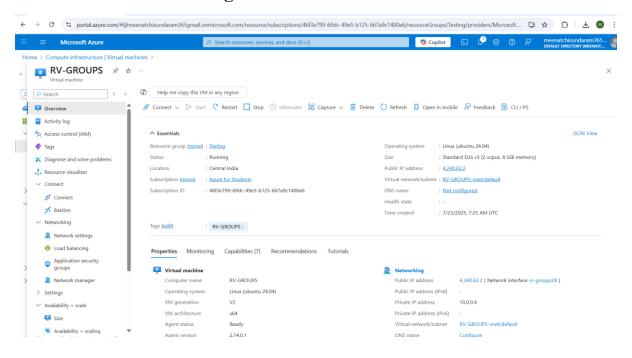
## Cloning and Pulling a GitHub Repository on an Azure Linux VM

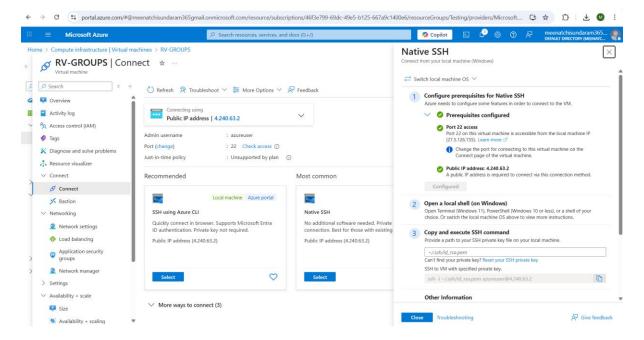
## **Objective:**

To clone a GitHub repository into an Azure Linux virtual machine (VM) and perform a git pull to fetch the latest changes

#### STEP 1: Create and configure the Azure VM



#### STEP 2: Connect the VM through the SSH Key



## **STEP 3:** After successfully logging into the VM Executed the ls command. it show there is no file or directory inside the VM

```
* Management: https://landscape.canonical.com
    * Support: https://landscape.canonical.com
    * Support: https://landscape.canonical.com
    * Support: https://landscape.canonical.com
    * Support: https://landscape.canonical.com
    System information as of Wed Jul 23 67:46:37 UTC 2025

System load: 0.0 Processes: 132
    Usage of /: 5.6% of 28.02GB Users logged in: 0
    Memory usage: 3%
    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 23 097:43:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:30 907:48:
```

# **STEP 4:** After successfully logging into the VM and cloning the GitHub repository, I navigated into the cloned directory.

```
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 07:43:30 2025 from 27.5.126.155

To run a command as administrator (user "root"), use "sudo <command>".

See "man sudo_root" for details.

azureuser@RV-GROUPS:~$ pwd
/home/azureuser
azureuser@RV-GROUPS:~$ git clone https://github.com/meenatchi-sundaram-git/AZ104-POC-
Cloning into 'AZ104-POC-'...
remote: Enumerating objects: 100% (12/12), done.
remote: Counting objects: 100% (10/10), 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), 2.75 MiB | 41.43 MiB/s, done.
Resolving deltas: 100% (2/2), done.
azureuser@RV-GROUPS:~$ ls
AZ104-POC-
azureuser@RV-GROUPS:~$ |

AZ104-POC-
azureuser@RV-GROUPS:~$ |
```

**STEP 5 :** After navigating into the cloned repository directory, I executed the git pull command to ensure the local copy was up to date with the remote GitHub repository

```
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 07:43:30 2025 from 27.5.126.155
To run a command as administrator (user "root"), use "sudo <command>".

See "man sudo_root" for details.

azureuser@RV-GROUPS:~$ pwd
/home/azureuser
azureuser@RV-GROUPS:-$ jst clone https://github.com/meenatchi-sundaram-git/AZ104-POC-
Cloning into 'AZ104-POC-'...
remote: Counting objects: 100% (12/12), 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% (2/2), done.
azureuser@RV-GROUPS:-$
azureuser@RV-GROUPS:-$
ts
AZ104-POC-
azureuser@RV-GROUPS:-$
ts
AZ104-POC-
azureuser@RV-GROUPS:-\AZ104-POC-$
ts
TASK1.pdf TASK2.pdf TASK3.pdf TASK4.pdf
azureuser@RV-GROUPS:-\AZ104-POC-$
```