TASKS ON TERRAFORM

❖ NAME: S.MUZZAMMIL HUSSAIN

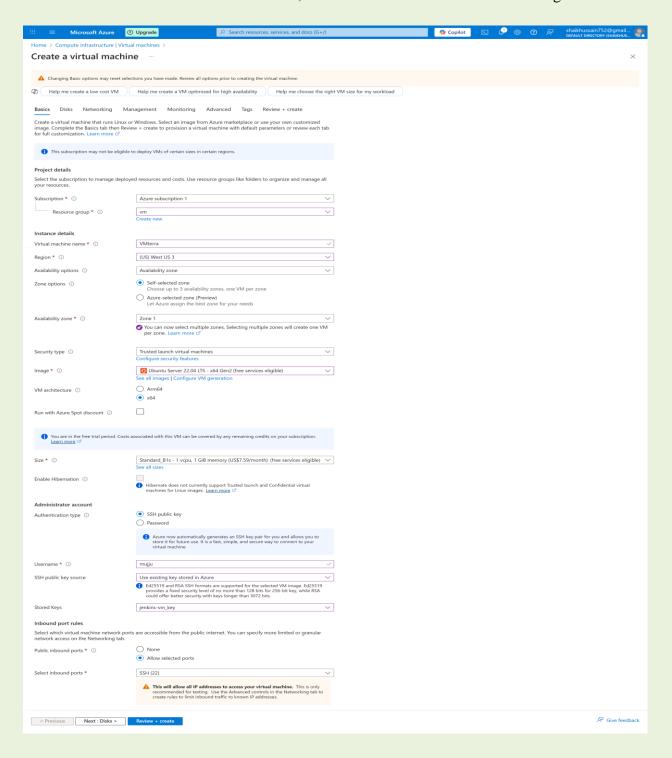
DATE: 17/07/2025

***** BATCH: 11

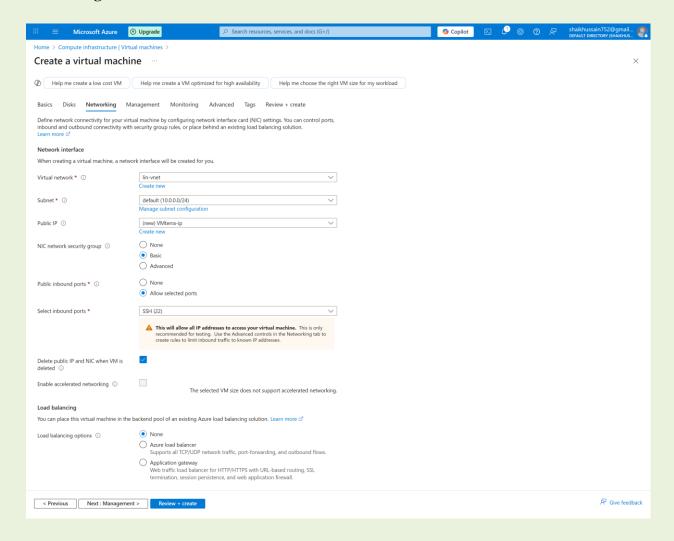
❖ NO.OF TASKS: 1

1. Installation of terraform on Linux

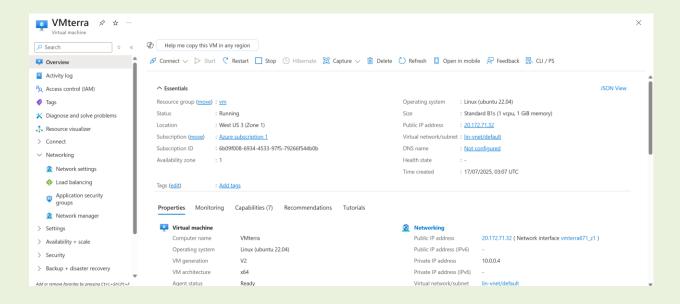
We create a virtual machine to install terraform, create a Virtual machine with following details



In Networking section



VM is created



Installation of terraform:

Install required packages

sudo apt-get update && sudo apt-get install -y gnupg software-properties-common

```
et:34 http://azure.archive.ubuntu.com/ubuntu
et:35 http://azure.archive.ubuntu.com/ubuntu
et:36 http://azure.archive.ubuntu.com/ubuntu
et:37 http://azure.archive.ubuntu.com/ubuntu
et:38 http://azure.archive.ubuntu.com/ubuntu
etched 39.0 MB in 6s (6619 kB/s)
eading package lists... Done
eading package lists... Done
uilding dependency tree... Done
```

Securely add HashiCorp's GPG key to Linux system

wget -O- https://apt.releases.hashicorp.com/gpg | gpg --dearmor | sudo tee /usr/share/keyrings/hashicorp-archive-keyring.gpg > /dev/null

```
025-07-17 03:29:34 (4.95 GB/s) - written to stdout [3980/3980]
```

You are adding the HashiCorp APT repository to your system, so apt can install Terraform and keep it updated via the package manager.

- echo "deb [signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases.hashicorp.com \$(lsb_release -cs) main" | sudo tee /etc/apt/sources.list.d/hashicorp.list
- sudo apt update

```
Mterra:~$ echo "deb [signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases.hicorpt/sources.list.d/hashicorp.list
gned-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases.hashicorp.com jammy main
Mterra:~$ suda apt-get update
ttp://azure.archive.ubuntu.com/ubuntu jammy-InRelease
ttp://azure.archive.ubuntu.com/ubuntu jammy-backports InRelease
ttp://azure.archive.ubuntu.com/ubuntu jammy-backports InRelease
ttp://azure.archive.ubuntu.com/ubuntu jammy-backports InRelease
ttps://apt.releases.hashicorp.com jammy/main amd64 Packages [191 kB]
204 kB in 1s (253 kB/s)
package lists... Done
tterra:~$
                                                                                                                     /usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases.hashicorp.com $()
```

Once we have added the repository and updated run the command to install terraform

sudo apt-get install terraform

```
mujju@VMterra:~$ sudo apt-get install terraform
Reading package lists... Done
Building dependency tree ... Done
Reading state information... Done
The following NEW packages will be installed:
    terraform
0 upgraded, 1 newly installed, 0 to remove and 21 not upgraded.
Need to get 28.4 MB of archives.
After this operation, 93.6 MB of additional disk space will be used.
Get:1 https://apt.releases.hashicorp.com jammy/main amd64 terraform amd64 1.12.2-1 [28.4 MB]
Fetched 28.4 MB in 0s (96.3 MB/s)
Selecting previously unselected package terraform.
(Reading database ... 62805 files and directories currently installed.)
Preparing to unpack .../terraform_1.12.2-1_amd64.deb ...
Unpacking terraform (1.12.2-1) ...
Setting up terraform (1.12.2-1) ...
Setting up terraform (1.12.2-1) ...
Scanning processes ...
Scanning linux images ...
```

Check the version using command

terraform -v

```
mujju@VMterra:~$ terraform -v
Terraform v1.12.2
on linux amd64
```