

SPCM Lab-1

Objective : Installing TerraForm on Linux

1. Ensure system is upto date and have installed gnupg, software-properties-common and curl packages installed.

```
vidhant@psyches-safehouse:~$ sudo apt-get update && sudo apt-get install -y gnupg software-properties-common
[sudo] password for vidhant:
Hit:1 https://download.docker.com/linux/ubuntu jammy InRelease
Ign:2 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:3 https://apt.releases.hashicorp.com jammy InRelease
Hit:4 https://pkg.jenkins.io/debian-stable binary/ Release
Hit:6 https://dl.google.com/linux/chrome/deb stable InRelease
Hit:7 http://apt.pop-os.org/proprietary jammy InRelease
Hit:8 https://packages.microsoft.com/repos/code stable InRelease
Hit:9 http://apt.pop-os.org/release jammy InRelease
Hit:10 http://apt.pop-os.org/ubuntu jammy InRelease
```

2. Install the HashiCorp GPG key.

```
vidhant@psyches-safehouse:~$ wget -O- https://apt.releases.hashicorp.com/gpg | \
gpg --dearmor | \
sudo tee /usr/share/keyrings/hashicorp-archive-keyring.gpg
--2024-01-17 10:02:50-- https://apt.releases.hashicorp.com/gpg
Resolving apt.releases.hashicorp.com (apt.releases.hashicorp.com)... 2600:9000:245b:e000:18:566b:ecc0:93a1, 2600:9000:245b:1800:18:566b:ecc0:93a1, 2600:9000:245b:da00:18:566b:ecc0:93a1, ...
Connecting to apt.releases.hashicorp.com (apt.releases.hashicorp.com)|2600:9000:245b:e000:18:566b:ecc0:93a1|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3980 (3.9K) [binary/octet-stream]
Saving to: 'STDOUT'
```

3. verify key's finger print.

```
vidhant@psyches-safehouse:~$ gpg --no-default-keyring \
--keyring /usr/share/keyrings/hashicorp-archive-keyring.gpg \
--fingerprint
/usr/share/keyrings/hashicorp-archive-keyring.gpg
-----
pub  rsa4096 2023-01-10 [SC] [expires: 2028-01-09]
     798A EC65 4E5C 1542 8C8E 42EE AA16 FCBC A621 E701
uid          [ unknown] HashiCorp Security (HashiCorp Package Signing) <security+packaging@hashicorp.com>
sub  rsa4096 2023-01-10 [S] [expires: 2028-01-09]

vidhant@psyches-safehouse:~$
```

4. Installing official HashiCorp repository to your system.

```
vidhant@psyches-safehouse:~$ echo "deb [signed-by=/usr/share/keyrings/hashicorp-  
archive-keyring.gpg] \  
https://apt.releases.hashicorp.com $(lsb_release -cs) main" | \  
sudo tee /etc/apt/sources.list.d/hashicorp.list  
deb [signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.re  
leases.hashicorp.com jammy main  
vidhant@psyches-safehouse:~$
```

5. Download the package information from HashiCorp.

```
vidhant@psyches-safehouse:~$ sudo apt update  
Hit:1 http://apt.pop-os.org/proprietary jammy InRelease  
Ign:2 https://pkg.jenkins.io/debian-stable binary/ InRelease  
Hit:3 https://apt.releases.hashicorp.com jammy InRelease  
Hit:4 https://dl.google.com/linux/chrome/deb stable InRelease  
Hit:5 https://pkg.jenkins.io/debian-stable binary/ Release  
Hit:6 https://repo.steampowered.com/steam stable InRelease  
Hit:7 http://apt.pop-os.org/release jammy InRelease  
Hit:8 https://packages.microsoft.com/repos/code stable InRelease
```

6. Install TerraForm

```
vidhant@psyches-safehouse:~$ sudo apt-get install terraform  
[sudo] password for vidhant:  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
terraform is already the newest version (1.6.6-1).  
0 upgraded, 0 newly installed, 0 to remove and 22 not upgraded.  
vidhant@psyches-safehouse:~$
```

7. Verify Installation.

```
vidhant@psyches-safehouse:~$ terraform --version  
Terraform v1.6.6  
on linux_amd64  
vidhant@psyches-safehouse:~$
```