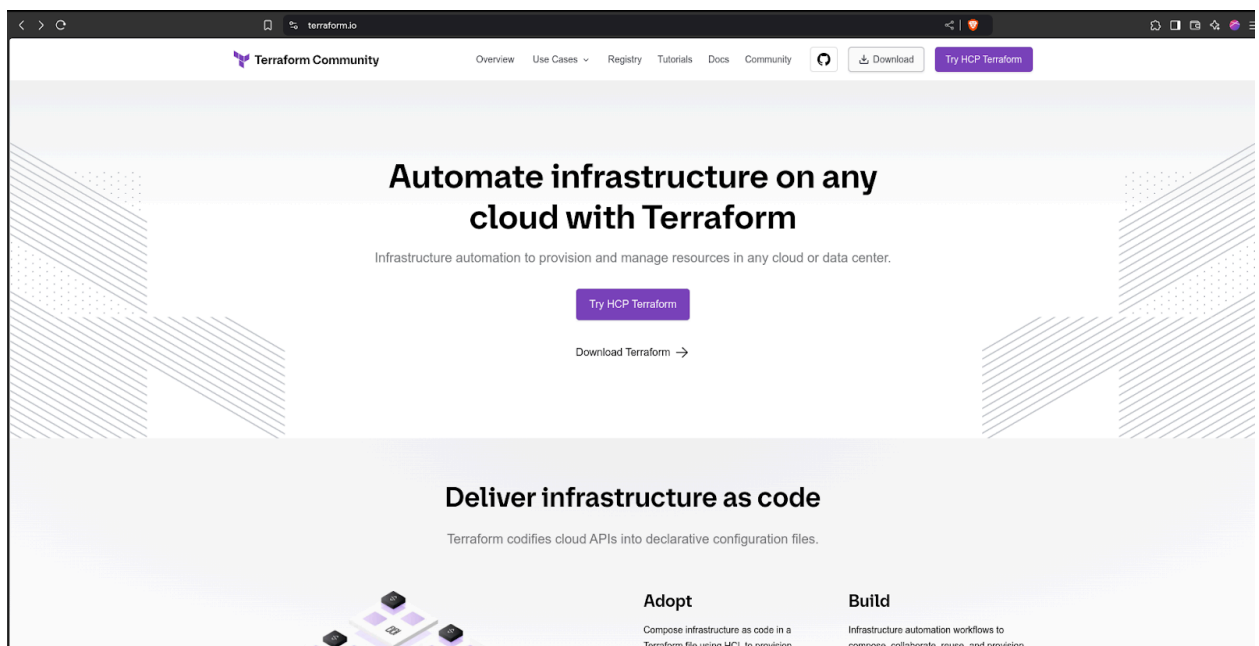


EXPERIMENT NO. 5

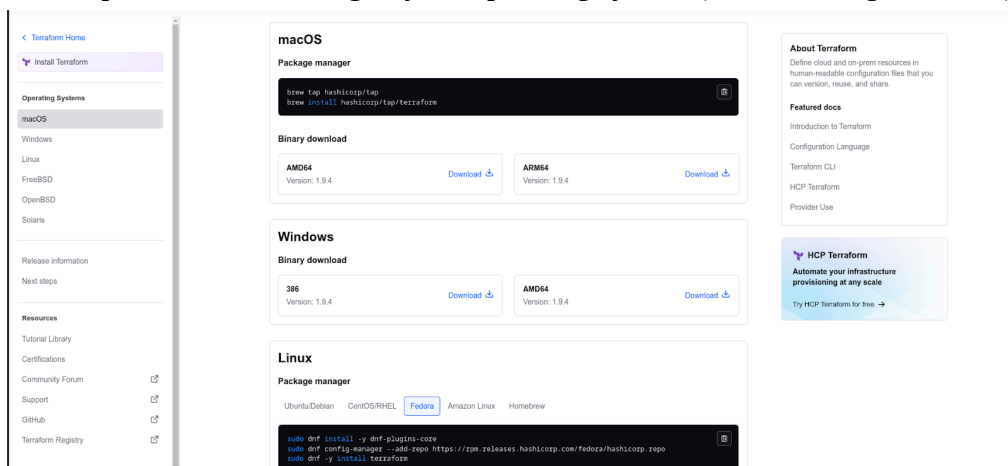
Aim: To understand terraform lifecycle, core concepts/terminologies and install it on a Linux Machine.

Steps:

1. Go to the official website of **Terraform** (<https://www.terraform.io/>). Click on Downloads located at top right corner of the page



2. Follow procedure according to your operating system (I'm installing on Linux)



3. Update your repository cache

```
quantum@machine ~$ sudo dnf5 update --refresh
Updating and loading repositories:
```

4. Install **Plugins Core**

```
quantum@machine ~$ sudo dnf install -y dnf-plugins-core

Fedora 40 - x86_64 - Updates
Package dnf-plugins-core-4.8.0-1.fc40.noarch is already installed.
Dependencies resolved.
Nothing to do.
Complete!
```

5. Add official package repository to your system

```
quantum@machine ~$ sudo dnf config-manager --add-repo https://rpm.releases.hashicorp.com/fedora/hashicorp.repo
Adding repo from: https://rpm.releases.hashicorp.com/fedora/hashicorp.repo
```

6. Install it by typing **sudo dnf -y install terraform** in the terminal

```
x quantum@machine ~$ sudo dnf5 install terraform
```

Package	Arch	Version	Repository	Size
terraform	x86_64	1.9.4-1	hashicorp	84.9 MiB

Transaction Summary:
Installing: 1 packages
Total size of inbound packages is 27 MiB. Need to download 27 MiB.
After this operation 85 MiB will be used (install 85 MiB, remove 0 B).
Is this ok [y/N]: y
(1/1) terraform-0:1.9.4-1.x86_64 100% | 1.8 MiB/s | 26.7 MiB | 00m14s

(1/1) Total 100% | 1.8 MiB/s | 26.7 MiB | 00m14s
(1/2) https://rpm.releases.hashicorp.com/gpg 100% | 1.7 KiB/s | 3.9 KiB | 00m02s

(2/2) Total 100% | 1.8 MiB/s | 26.7 MiB | 00m14s
Importing PGP key 0xA621E701:
Userid : "HashiCorp Security (HashiCorp Package Signing) <security+packaging@hashicorp.com>"
Fingerprint: 798AEC654E5C15428C8E42EEA16FCBCA621E701
From : https://rpm.releases.hashicorp.com/gpg
Is this ok [y/N]: y
The key was successfully imported.
(1/3) Verify package files 100% | 50.0 B/s | 1.0 B | 00m00s
(2/3) Prepare transaction 100% | 1.0 B/s | 1.0 B | 00m01s
(3/3) Installing terraform-0:1.9.4-1.x86_64 100% | 108.3 MiB/s | 84.9 MiB | 00m01s

7. Verify installation by checking version of Terraform installed

```
quantum@machine ~$ terraform -v
Terraform v1.9.4
on linux_amd64
```