



PARSHVANATH CHARITABLE TRUST'S

A. P. SHAH INSTITUTE OF TECHNOLOGY

Department of Information Technology

(NBA Accredited)



Semester: V

Academic Year: 2025-26

Class / Branch: TE IT-B

Subject: Advanced Devops Lab (ADL)

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EXPERIMENT NO. 05

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

Terraform Installation Steps on Ubuntu18.04

Step: 1 Terraform uses HashiCorp Configuration Language (HCL) to manage environments of Operators and Infrastructure teams. To download go to site

<https://www.terraform.io/downloads.html>

Select the appropriate package for your operating system and architecture.

Linux

Package manager

Ubuntu/Debian CentOS/RHEL Fedora 40 Fedora 41 Amazon Linux Homebrew

```
wget -O - https://apt.releases.hashicorp.com/gpg | sudo gpg --dearmor -o /usr/share/keyrings/hashicorp-archive-keyring.gpg
echo "deb [arch=$(dpkg --print-architecture) signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases.hashicorp.com/ubuntu * * * *" | sudo tee /etc/apt/sources.list.d/hashicorp.list
sudo apt update && sudo apt install terraform
```

Binary download

386 Version: 1.13.0 Download	AMD64 Version: 1.13.0 Download
ARM Version: 1.13.0 Download	ARM64 Version: 1.13.0 Download



Step:2 unzip the archive by using below command

```
apsit@worker01:~/Downloads$ unzip terraform_1.13.0_linux_amd64.zip
```

The archive will extract a single binary called **terraform**.

Step 3: Change the directory to unzipped folder

```
apsit@worker01:~/Downloads$ cd terraform_1.13.0_linux_amd64/
```

and Move the terraform binary to a directory included in your system's PATH in my case *usr/local/bin/*

```
apsit@worker01:~/Downloads$ sudo mv terraform /usr/local/bin/
```

Step 4: To check whether Terraform is installed, run:

```
apsit@worker01: ~/Downloads
apsit@worker01:~$ sudo do-release-upgrade
[sudo] password for apsit:
Checking for a new Ubuntu release
Please install all available updates for your release before upgrading.
apsit@worker01:~$ cd Downloads
apsit@worker01:~/Downloads$ unzip terraform_1.13.0_linux_amd64.zip
Archive:  terraform_1.13.0_linux_amd64.zip
replace LICENSE.txt? [y]es, [n]o, [A]ll, [N]one, [r]ename: y
  inflating: LICENSE.txt
  inflating: terraform
apsit@worker01:~/Downloads$ terraform -v
Terraform v1.13.0
on linux_amd64
```



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Conclusion: we have studied to understand terraform lifecycle, core concepts/terminologies and install it on a Linux Machine.