



PARSHVANATH CHARITABLE TRUST'S

A. P. SHAH INSTITUTE OF TECHNOLOGY

Department of Information Technology

(NBA Accredited)



Semester: V

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Class / Branch: TE IT

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 Ubuntu 18.04

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

Amazon Linux

Homebrew

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

Binary download

386

Version: 1.9.4

Download

AMD64

Version: 1.9.4

Download

ARM

Version: 1.9.4

Download

ARM64

Version: 1.9.4

Download



Note

Complete this [tutorial](#) to learn how to install and verify HashiCorp tools on any Linux distribution, and create a custom Linux container with verified HashiCorp tools..

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Step:2 unzip the archive by using below command

```
:~$ unzip terraform_1.0.3_linux_amd64.zip
```

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

Step 3: Change the directory to unzipped folder



```
:~$ cd terraform_1.0.3_linux_amd64/
```

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

```
:~$ sudo mv terraform /usr/local/bin/
```

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

```
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ terraform -v  
Terraform v1.9.3  
on linux_amd64  
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$
```

Conclusion: In this experiment, we have installed terraform successfully from its website