



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.

The screenshot shows the Terraform download page with the following options:

- macOS**: 64-bit | Arm64
- FreeBSD**: 32-bit | 64-bit | Arm
- Linux**: 32-bit | 64-bit | Arm | Arm64
- OpenBSD**: 32-bit | 64-bit
- Solaris**: 64-bit
- Windows**: 32-bit | 64-bit



**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: ~/Desktop/mustqeen
File Edit View Search Terminal Help
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~/Desktop/mustqeen$ terraform -v
Terraform v1.9.4
on linux_amd64
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~/Desktop/mustqeen$
```

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