

## What is Terraform??

Terraform is a tool made by Hashicorp for building, changing, and versioning infrastructure safely and efficiently. Terraform can manage existing and popular service providers (Aws, azure, Google cloud) as well as custom in-house solutions.

You can compare Terraform to Cloud Formation . They are similar but at the same time have differences.

### Steps:

1. Download the terraform binary file <https://www.terraform.io/downloads.html>

\*\* If MAC users have homebrew installed on their machine: Just do: brew install terraform and Go to step 5

2. Extract the zip files.
3. You will see the terraform binary executable file.
4. make sure that the terraform binary is available on the path.

\*\*For Mac/Linux. On the shell/terminal, go to the folder where terraform binary is extracted

**Run:** `sudo mv terraform /usr/local/bin`

Enter password and once done run "ls" to validate that the file is in bin folder.

Run `cd ~` , enter

`Cd /`

Run: `terraform -v`

This will tell you if you have successfully installed the Terraform or not.

5. make a new directory(can be named anything) and go inside the directory.

```
mkdir terraform-test
```

```
cd terraform-test
```

Or

```
mkdir terraform-test && cd terraform-test
```

