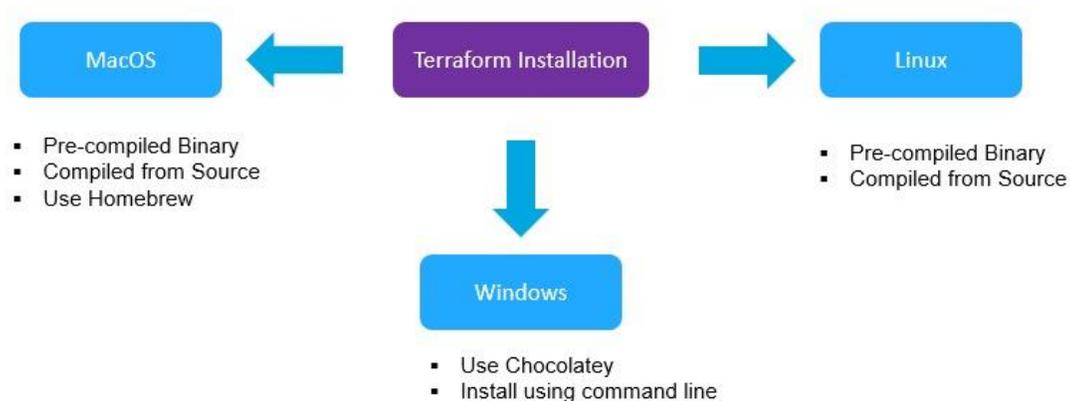


# **TERRAFORM INSTALLATION**

- Developed by Hashicorp, terraform is a powerful open-source Infrastructure as Code (IaC) tool that facilitates infrastructure management and creation on-premises and in the cloud.
- **PREREQUISITES:**
  - **Operating System:** Windows / Linux / MacOS
  - Basic CLI knowledge



### **INSTALL TERRAFORM ON WINDOWS:**

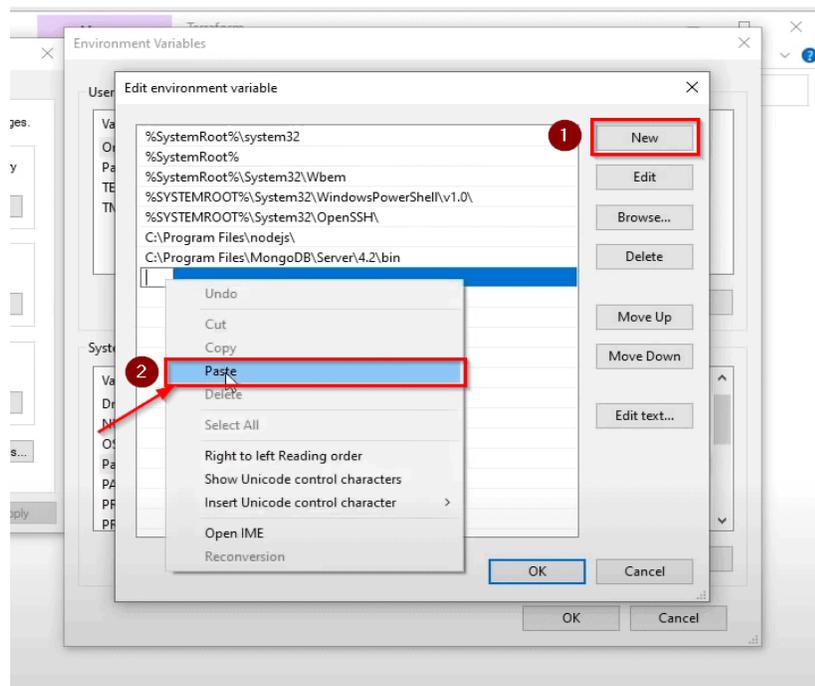
- Download the terraform Executable File (.exe) and select 32-bit or 64-bit according to your machine.

<https://developer.hashicorp.com/terraform/install>

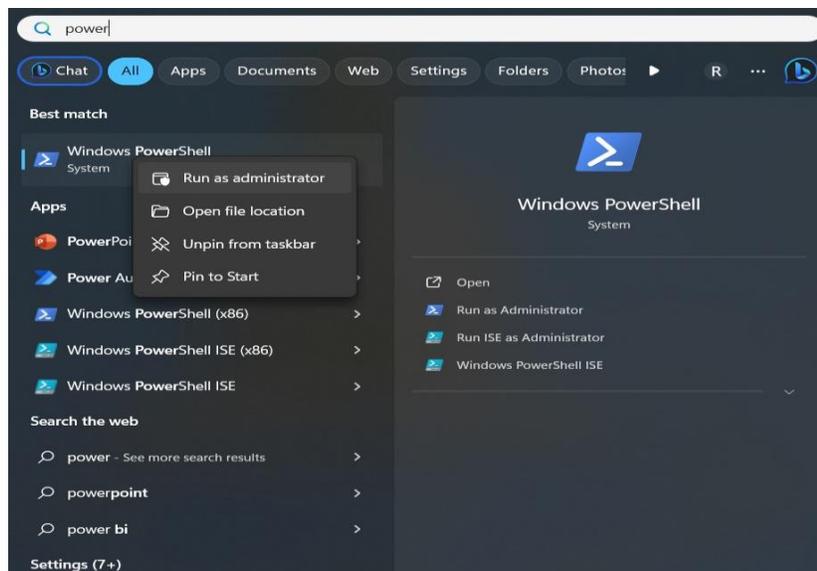
- Extract the downloaded .zip folder containing the terraform executable file and copy the file.
- Create a new Terraform directory and paste the file, this directory can be anywhere on your machine. I would recommend pasting in **“C:\Program Files (x86)\Terraform”**.
- Copy the path of the executable file, in my case it is **“C:\Program Files (x86)\Terraform”**.



- Paste the copied path by clicking on New and then click OK.



- Done!! Now to check if it is installed open command prompt / Power shell



- Run the command terraform --version

```
Administrator: Windows PowerShell
PS C:\WINDOWS\system32> terraform --version
Terraform v1.6.6
on windows_amd64
PS C:\WINDOWS\system32> _
```

## **INSTALL TERRAFORM ON LINUX:**

- Go to Package manager Location:  
<https://developer.hashicorp.com/terraform/install>

## **INSTALLING TERRAFORM USING REPOSITORY:**

```
$sudo yum install -y yum-utils  
  
$sudo yum-config-manager --add-repo  
https://rpm.releases.hashicorp.com/RHEL/hashicorp.repo  
  
$sudo yum -y install terraform  
  
$terraform --version
```

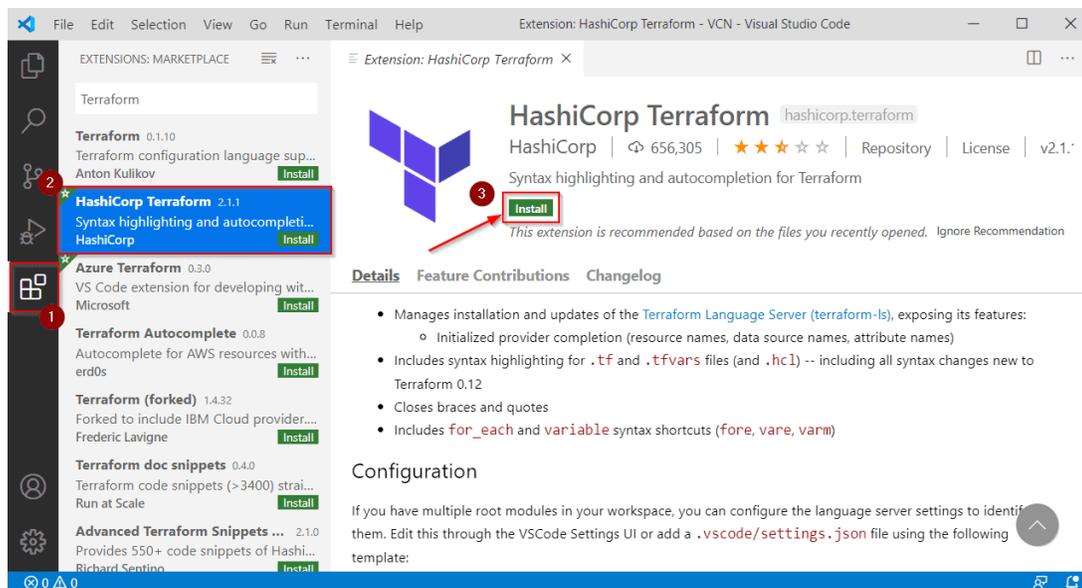
## **INSTALLING TERRAFORM USING ZIP FILE:**

- Download the terraform Zip File by visiting here and select 32-bit or 64-bit according to your machine.  
<https://developer.hashicorp.com/terraform/install>

- Unzip the folder using the command  
**\$unzip zipfile\_name**
- Move the extracted terraform file to **/usr/local/bin/**  
**\$sudo mv terraformfile /usr/local/bin/**
- Confirm the terraform has been installed:  
**\$terraform -v**

## INSTALL VISUAL STUDIO CODE:

- There are many text editors in the market, we recommended Visual Studio Code for this as it is a very **powerful text editor** and supports all platforms.
- Download and Install Visual Studio Code in your Windows.  
<https://code.visualstudio.com/Download>
- Once you have downloaded the visual studio code, open it and go to the extension and search for Terraform and Install it.



- A new view in the HashiCorp Terraform extension for Visual Studio Code shows your Terraform Cloud workspaces and runs, reducing context-switching.
- HashiCorp maintains a Terraform extension for Visual Studio Code in order to ensure that practitioners have a first-class editor experience.