EXPERIMENT NO : 05

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

THEORY :

Terraform is an open-source infrastructure as code software tools created by HashiCorp. Users define and provide data center infrastructure using a declarative configuration language known as HashiCorp Configuration Language (HCL) or optionally JSON.

Terraform supports a number of cloud infrastructure providers such Amazon Web Services, Microsoft Azure, IBM Cloud, Google Cloud Platform, DigitalOcean, Oracle Cloud Infrastructure, Yandex.Cloud, vMware vSphere and OpenStack.

Terraform has four major commands

$ terraform init

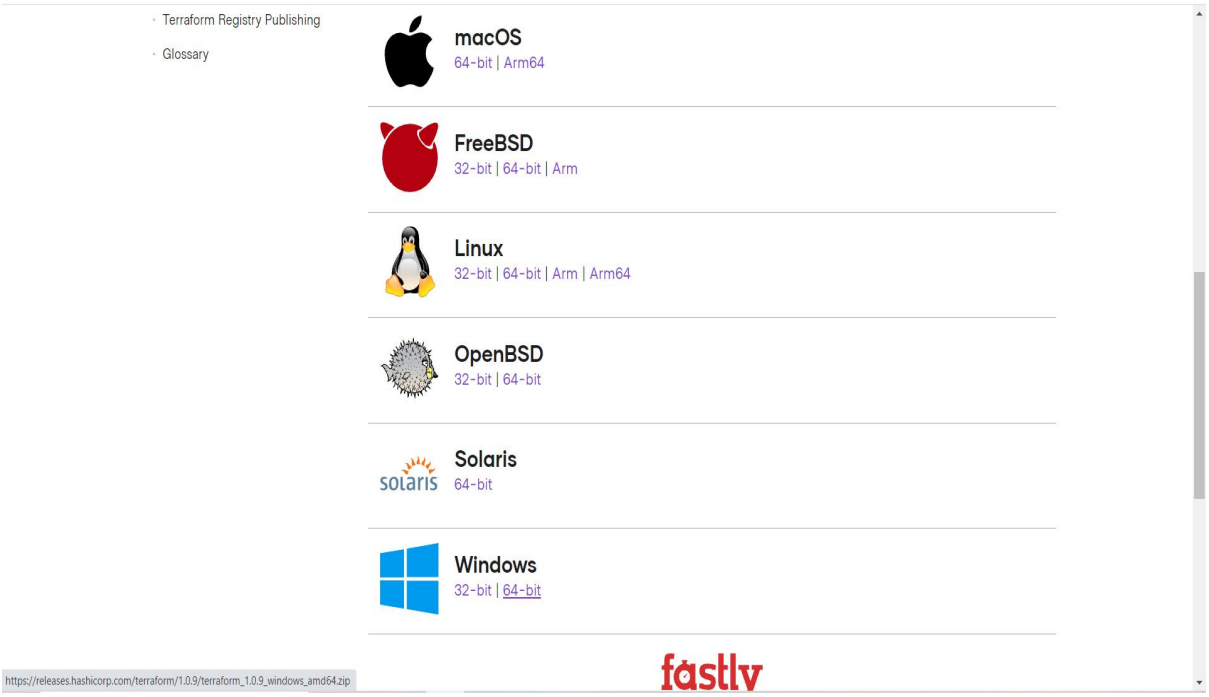
$ terraform plan

$ terraform apply

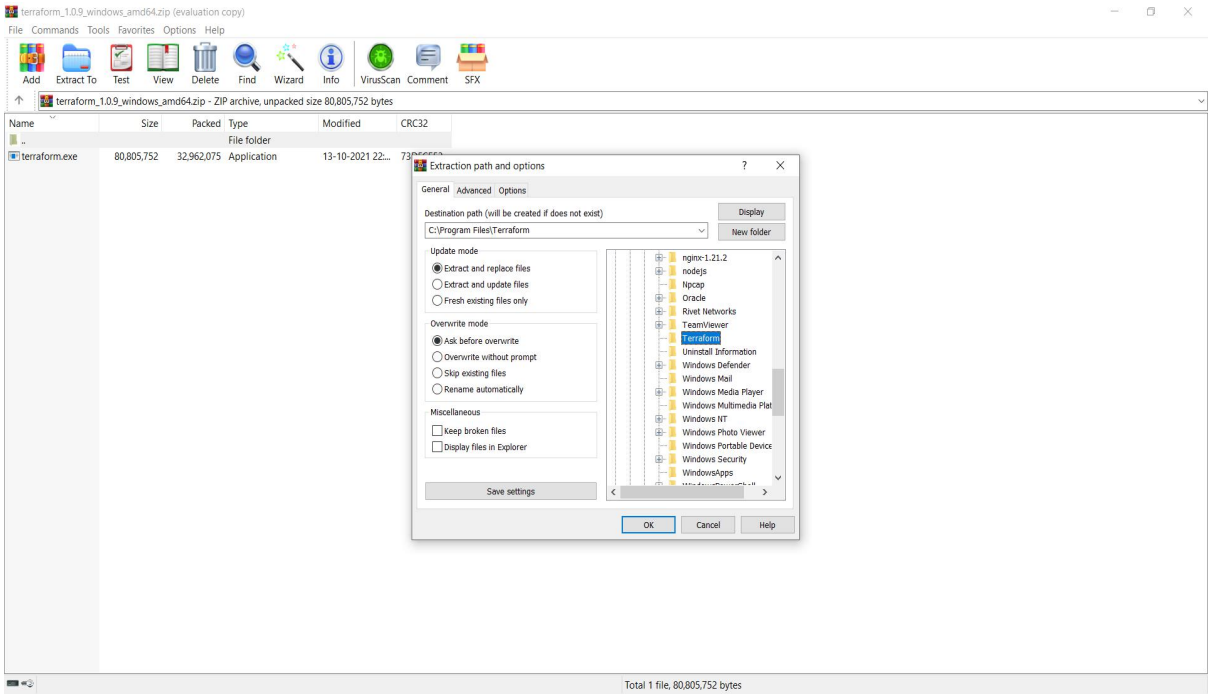
$ terraform destroy

INSTALLATION OF TERRAFORM

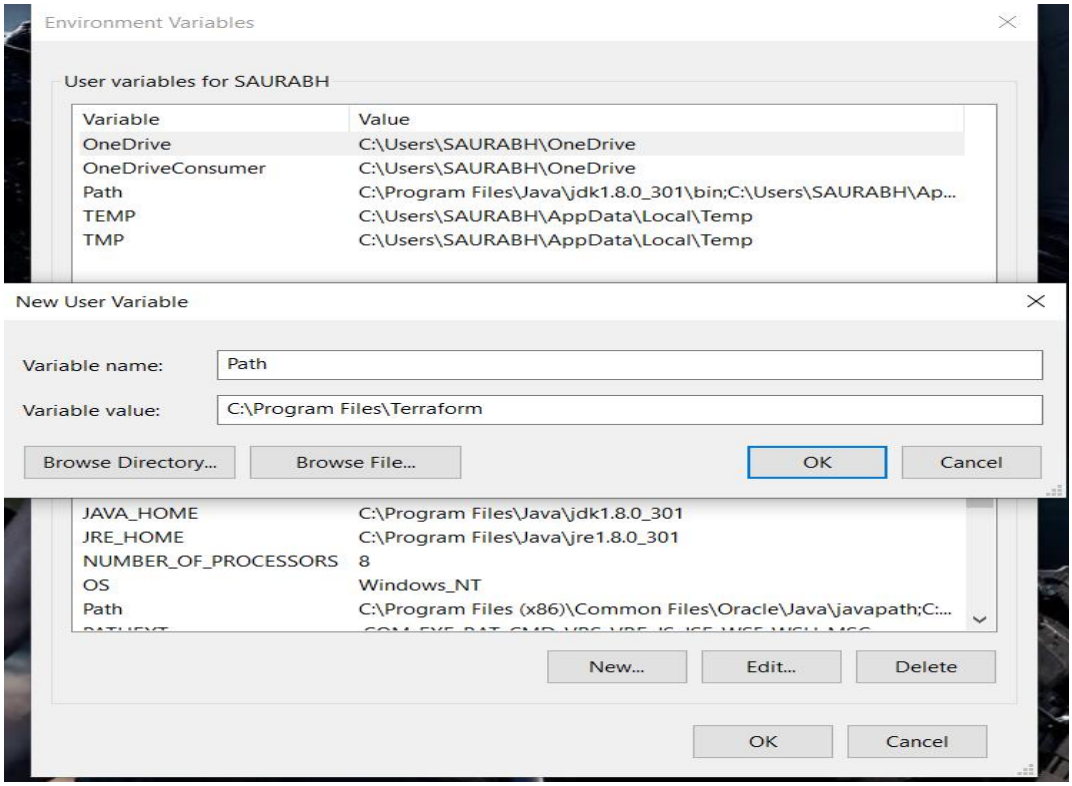
Step 1: Download the Terraform Cli utility



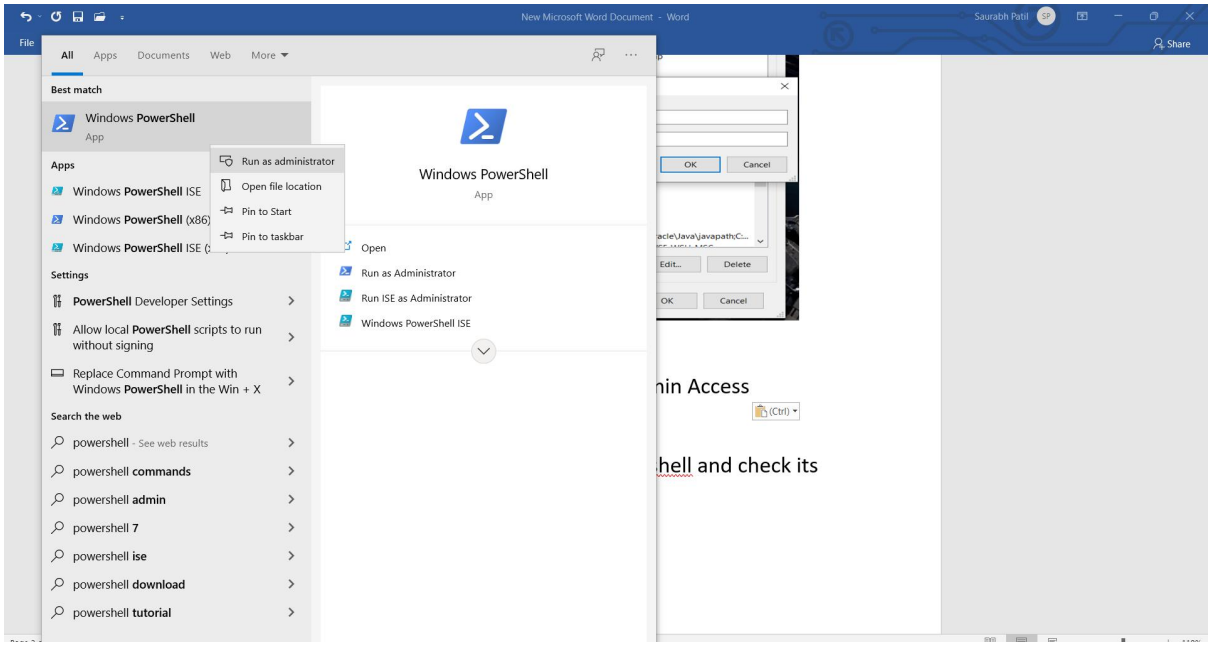
Step 2: Extract the downloaded setup file Terraform.exe in C:\Terraform directory



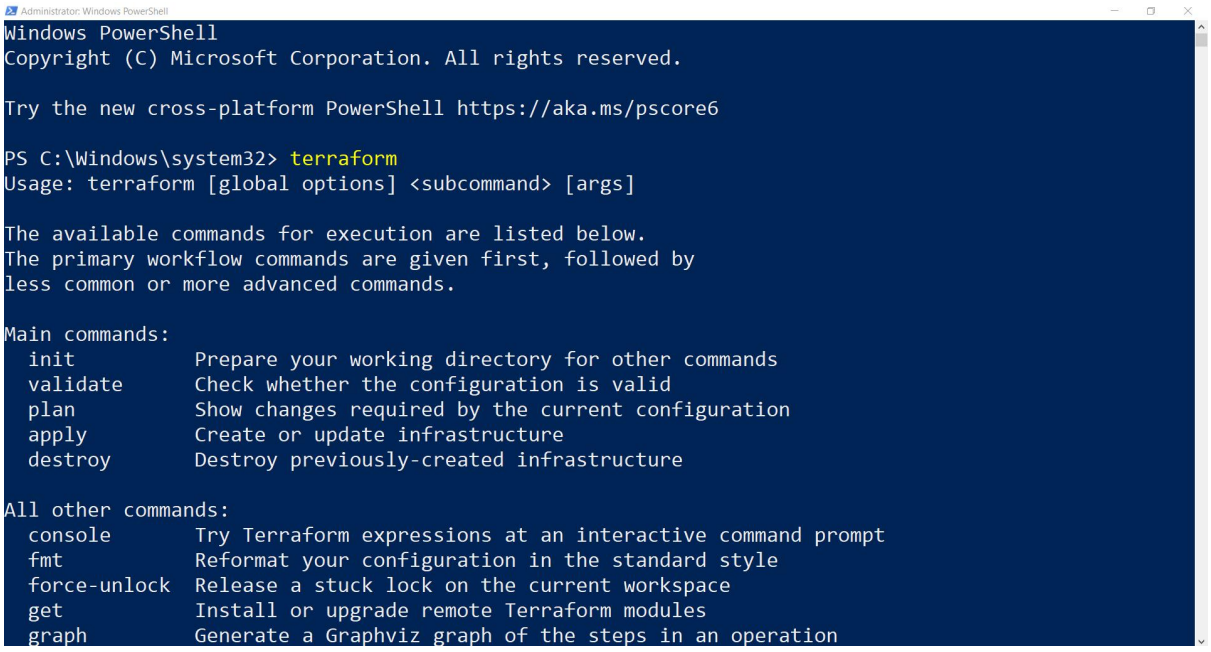
Step 3: Set the System path for Terraform in Environment variables

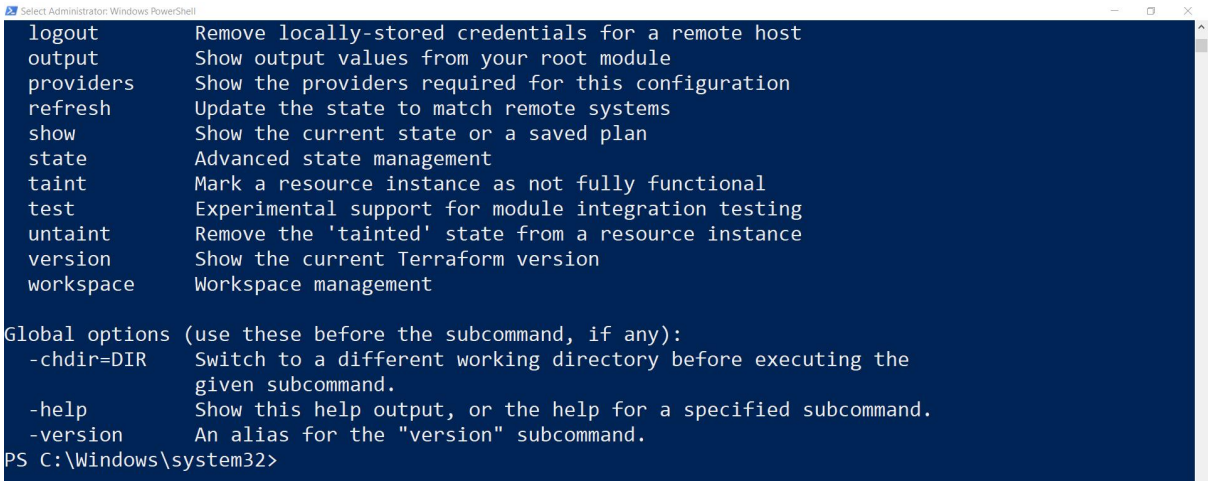


Step 4: Open Powershell with Admin Access



Step 5: Open Terraform in Powershell and check its functionality





CONCLUSION : Hence we can conclude that we have learned and implemented terraform lifecycle, core concepts/terminologies and install it on a Linux Machine.