# Terraform Introduction

By TecheStop

# Agenda

- What is Terraform?
- Terraform workflow
- Terraform Internal Architecture

# What is terraform?

Terraform is an infrastructure as a code tool which can be used for provisioning the infrastructure with different cloud platforms i.e. AWS, GCP and Azure.

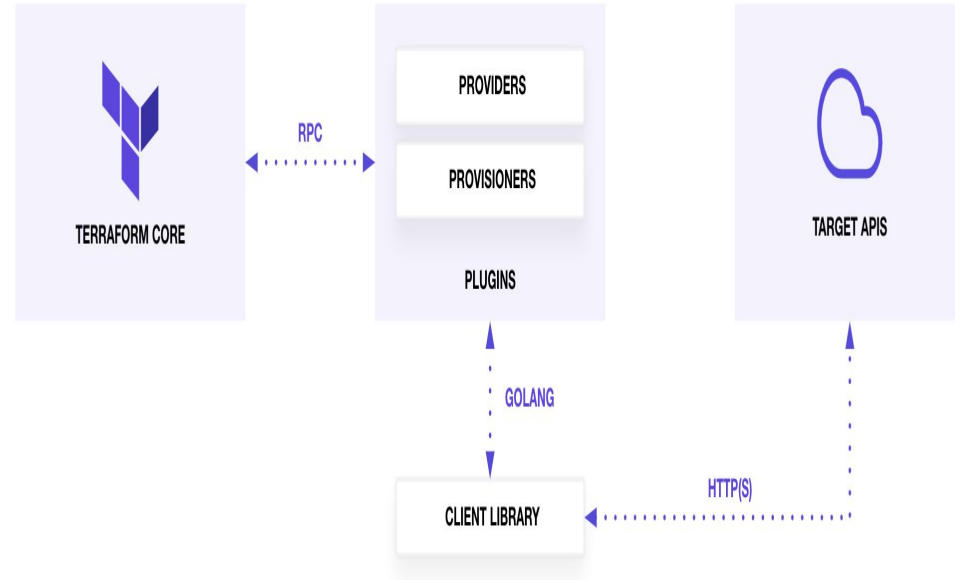The language used to define different resources of the infrastructure is Hashicorp Configuration Language ( HCL ).

# The workflow of Terraform looks like below



TecheStop
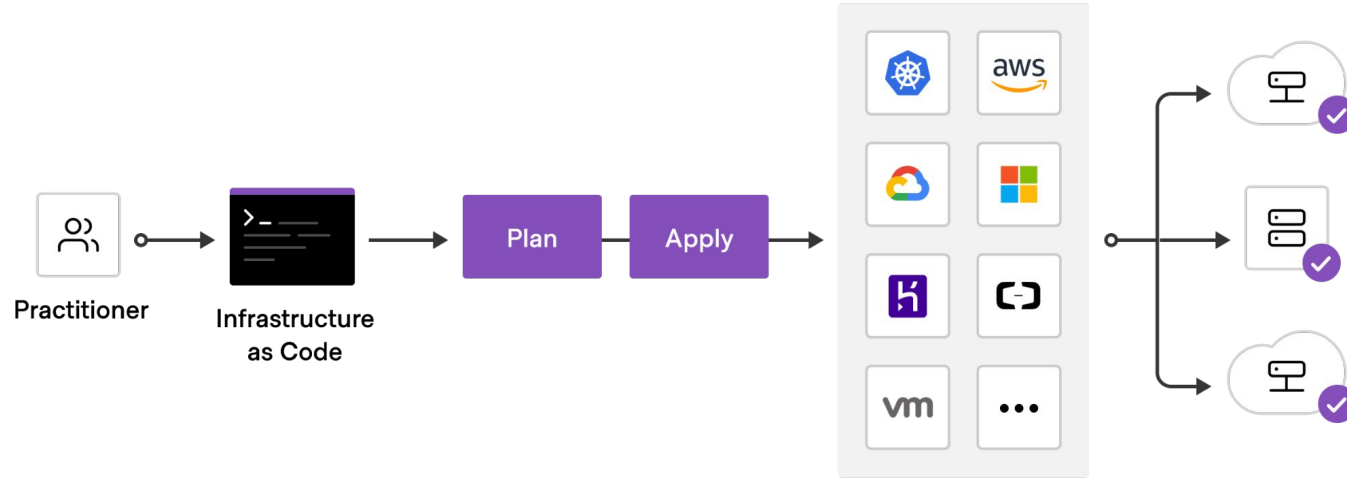
# Terraform internal architecture

There are 2 main parts of Terraform:

- Terraform core
  - Reads the configuration files and modules
  - Does the required state management
  - Creates an execution plan
  - Interacts with plugins over gRPC
  - Creates the resource graph
- Terraform plugins
  - Does all the heavy lifting of calling provider APIs.
  - Define resources that map to the services

# Thank you