**What is Terraform?**

Terraform is an IT infrastructure automation tool for building changing and versioning Infrastructure safely and efficiently.

Terraform can manage existing as well as custom in house solutions.

It turns your infrastructure as code IAC. Your computing environment has some of the same attributes as your applications.

1. Your application is version able
2. Infrastructure is reusable
3. Infrastructure is testable
4. Minimizes errors and security violations

**What is Provider block in Terraform?**

A provider block is provider using which we will be able to tell Terraform on what is the cloud service provide to which Terraform has to connect whether it is AWS, AZURE, GCP

Provider “aws/azure/gcp” {

}

**What is Resource block in Terraform?**

Resources are the components of the your infrastructure..

i.e., VM, V-net, subnet, LB

resource “azure\_virtual machine” “example1”{

}

**Terraform Taint**

At any time if you want to recreate a resource without a modification without change that is forcibly then you has marked it as taint.

**Terraform Module**

Module means you are trying to reuse the code and also its gives you the flexibility to call and reuse the same code many time with different set of values. But all of them will be handled from the main folder which is we called it as “root” module.

**Terraform Provisioner**

Provisioner is a special block within a resource block

Provisioners are used to execute scripts on local or remote machines as part of resource creation or destruction

1. Local-exec
2. Remote-exe