

TERRAFORM -01

Terraform is a Open source infrastructure as a code,

Setting up the infrastructure in cloud provider (Azure,AWS,GCP)

<https://registry.terraform.io/providers/hashicorp/aws/latest/docs>

README.md

- 1.VPC - 192.168.0.0/16
2. Create IGW
 - IGW attach to VPC
3. Public Subnet - 192.168.1.0/24
 - Public Subnet to VPC
 - Public subnet which AZ
4. Private Subnet - 192.168.2.0/24
 - Private Subnet to VPC
 - Private subnet which AZ
5. Public Route Table
 - Which VPC?
6. Private Route Table
 - Which VPC?
7. Create Public Route
 - Which Route Table?
 - destination - 0.0.0.0/0
 - target - IGW
8. EIP

9. Create NAT GW

- Which Subnet?
- EIP attach NAT GW

10. Create Private Route

- Which Route Table?
- Destination - 0.0.0.0/0
- Target - NAT Gateway

- **terraform Version**
- **aws configure** -----> to connect with aws
- **terraform init** -----> it look provider block, and download the required packages and plugins in the cloud provider(AWS, Azure) given in the provider block.
- **terraform validate** -----> see the code is correct or not
- **Terraform plan** ----> it give the plan of what resources need to be created for this project in the aws (It not creating the resouces)
- **[0m -->Gen Character]** ----> to avoild this terraform plan -no-color
- **terraform apply** ----> Created the terraform.tfstate
- **terraform destroy**