### Building Simple Infrastructure

Creating an Example1.tf file in any working directory, makes sure no other .tf file is available on working directory because when infrastructure is build, terraform loads all the .tf files.

### Note:

* provider variable describes the cloud provider either it’s openstack, aws, azure etc.
* aws\_instance describes the EC2 instance of AWS having variable name example.
* instance\_type has “t2.micro” ami id is “ami-0d729a60” which is Amazon Linux AMI

### Terraform Plan

Now go to terminal and go to .tf file working directory path, and apply command ‘terraform plan’ which describes whole infrastructure as planned, also allows to get the output. It will also help to know that how the infrastructure will be built .

### Terraform apply

Once the plan is ready, apply ‘terraform apply’ to launch infrastructure. one can get status of every 10 seconds of building the infrastructure of AWS. Single service has been described in the screenshot. But one can set multiple instances and multiple aws services in a single configuration file.

### Terraform show

After building whole infrastructure, if one wants to see the Infrastructure brief details, For ex. IP Address, Volume, DNS etc., without any provider’s login, one just have to fire ‘terraform show’ command, which enables viewing the entire infrastructure details.