ASSIGNMENT 1

Terraform does all that for you by preparing the whole infrastructure using terraform scripts. Thus, it is a software tool that provides Infrastructure as code.

Download AWS CLI in the windows system. And install it.

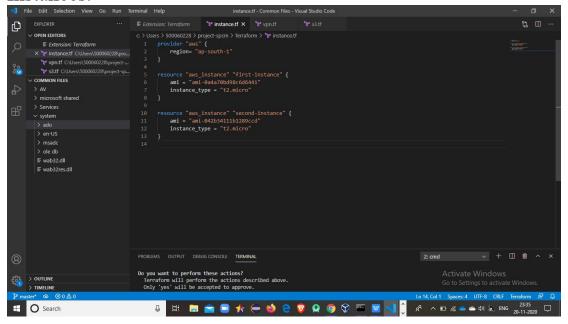
1. Download the terraform zip file, extract it in a folder.Create a path in the env variables.

Here I have extracted in -

C:\Users\500060228\project-spcm\Terraform

2. Open the visual studio code and install the "Terraform" extension.

3. Create a file instance.tf and write code for creating 2 instances in a particular region.Create two T2 Micro EC2 Instances.



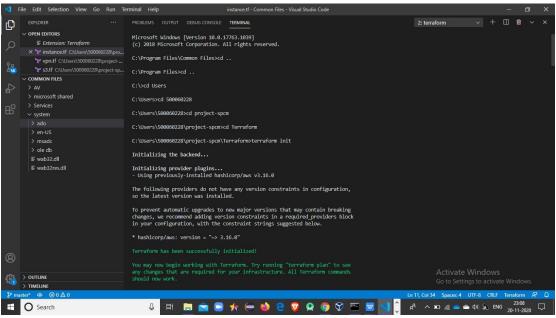
4. Now create another file "vpn.tf" to create the vpc in the aws.

5. Create another file "s3.tf" for creating a s3 bucket in the aws.

```
### Extension: Terraform | instance.tf | vpn.tf | vs3.tf | x | vp.tf | vs3.tf | x | vs.tf | x | vp.tf | vs3.tf | x | vp.tf | vs3.tf | x | vs.tf | x |
```

- 6. Now to run the ".tf" files, run the following commands-
- ✓ Terraform init: initiates the terraform files in the particular location/path
- ✓ Terraform validate: checks the files whether it is having any errors or not.
- ✓ Terraform plan:It create execution plan that helps you check whether execution plan matches your expectations.
- ✓ Terraform apply: applies the changes to the desired state.

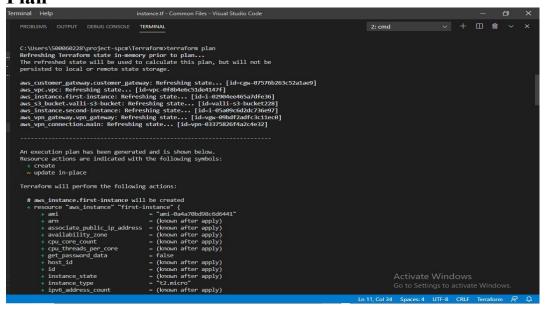
Init

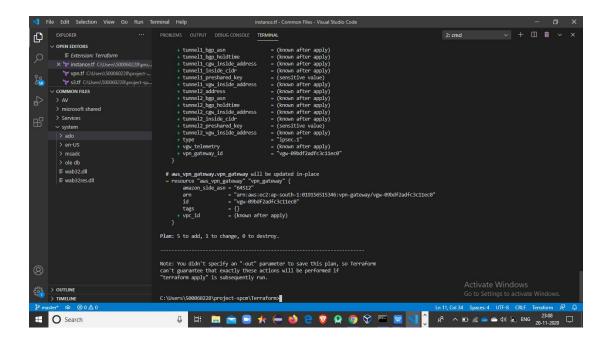


Validate

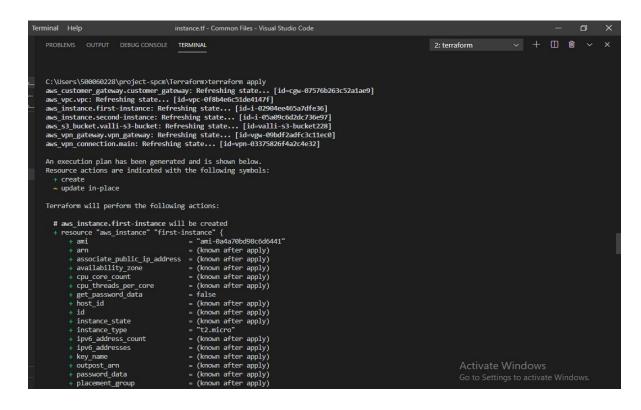
C:\Users\500060228\project-spcm\Terraform>terraform validate Success! The configuration is valid.

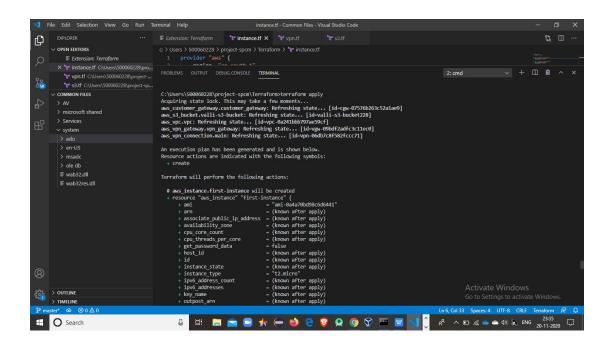
Plan

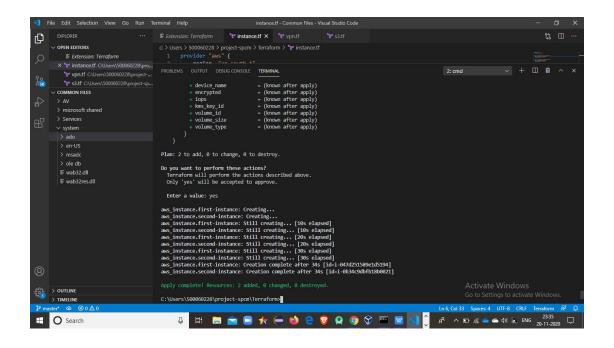




Apply (There was a small error while running the cmd at first time for creating instances, it is rectified and the "terraform apply" cmd is passed again)







OUTPUTS ON AWS:

