Assignment-1

SPCM

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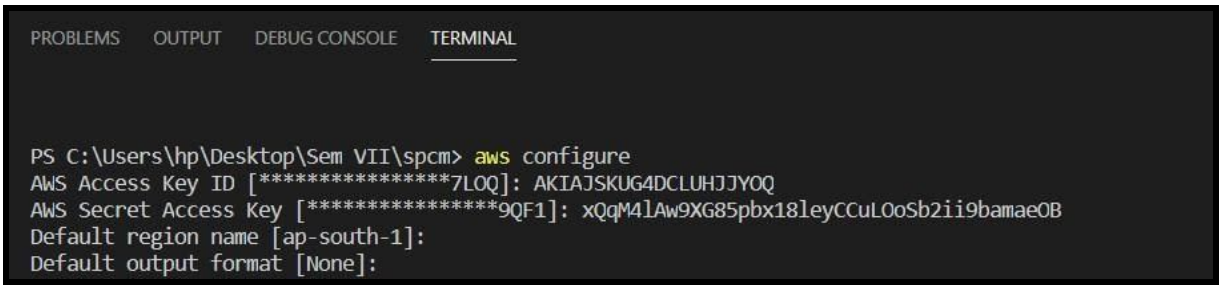
B.TECH-CSE-DEVOPS

Terraform scripts to perform following tasks on AWS cloud Platform

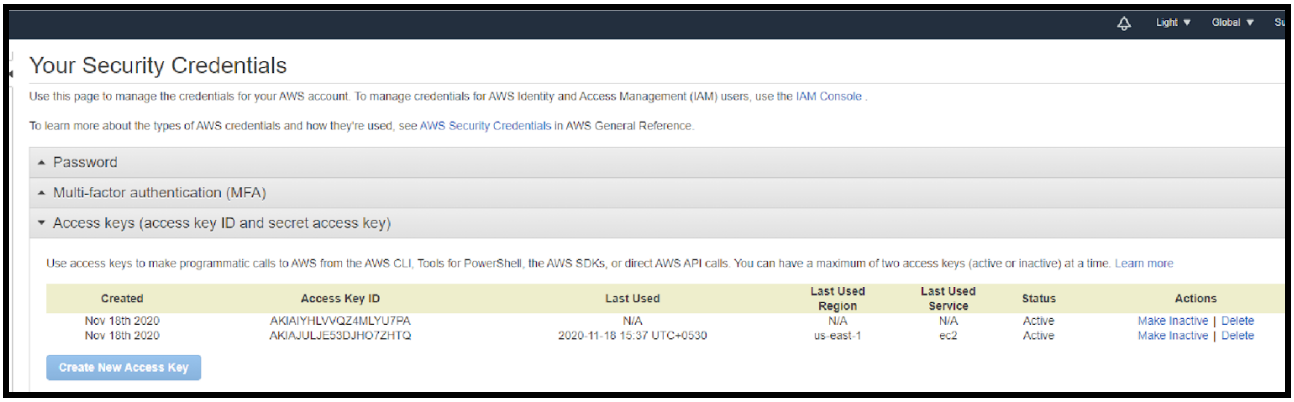
1. Creating two T2 micro ec2 instances
2. Creating a VPN on AWS
3. Creating a S3 bucket

Steps:

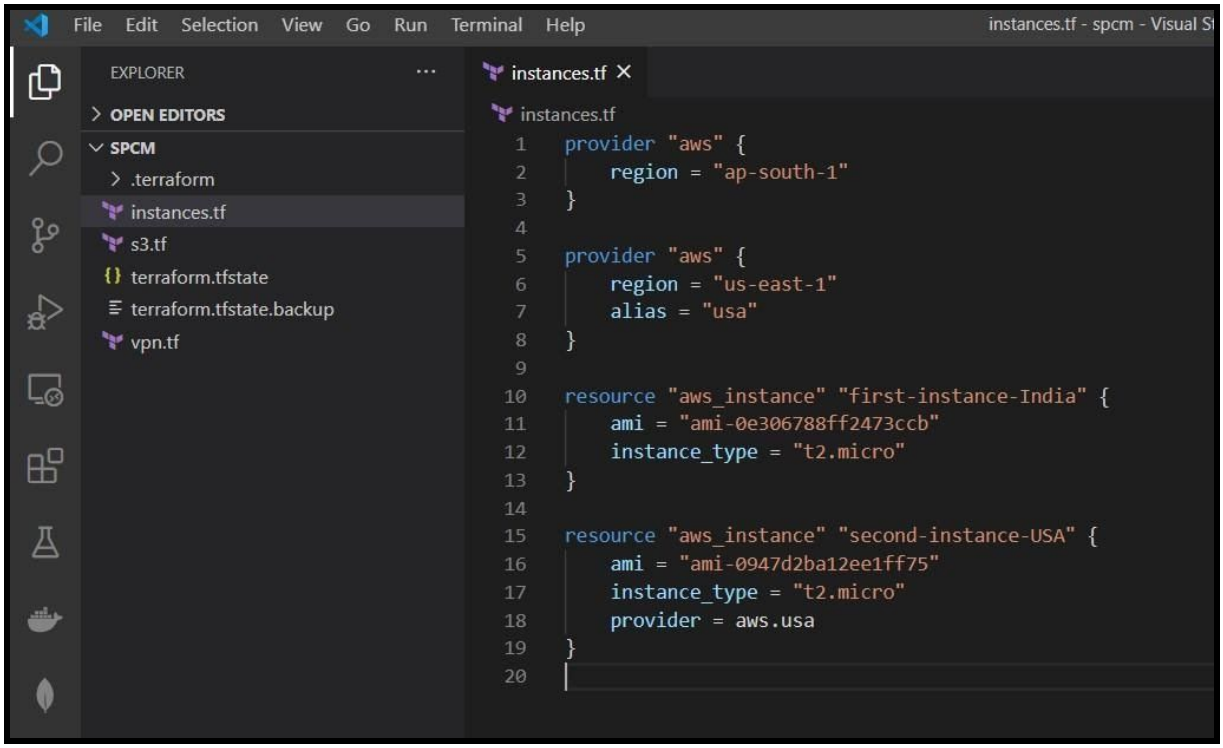
1. Configure your aws credentials using aws configure



Get your security credentials (secret and access key) from aws console

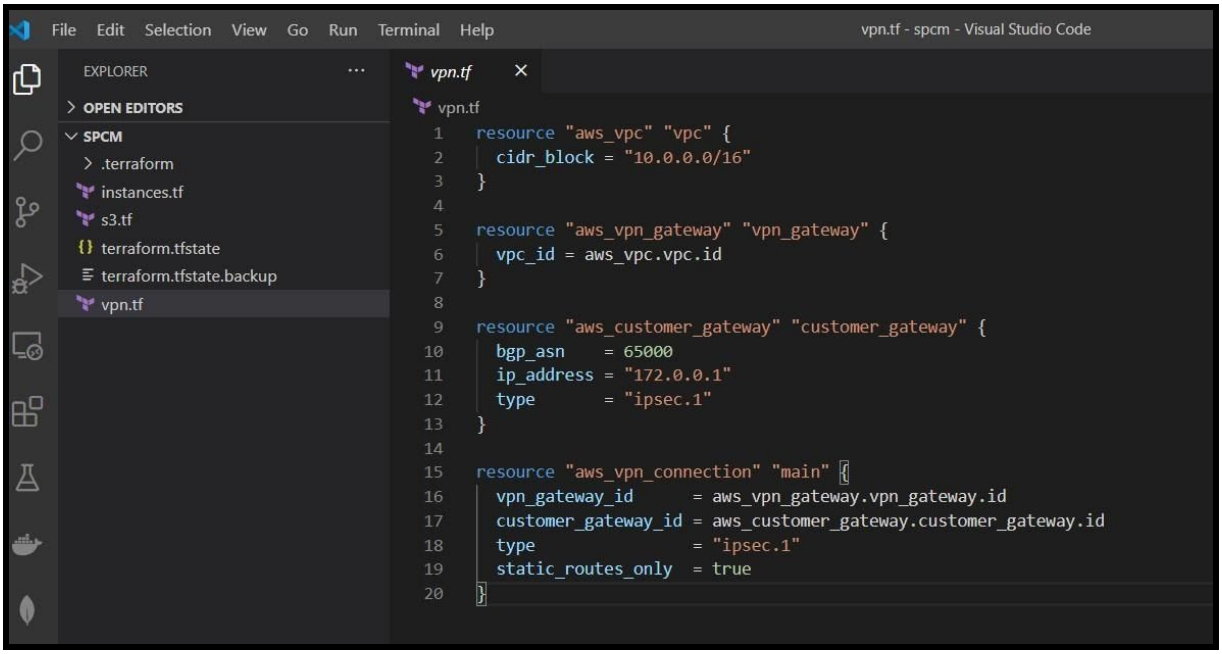


2. creating terraform scripts to fulfill above mentioned tasks

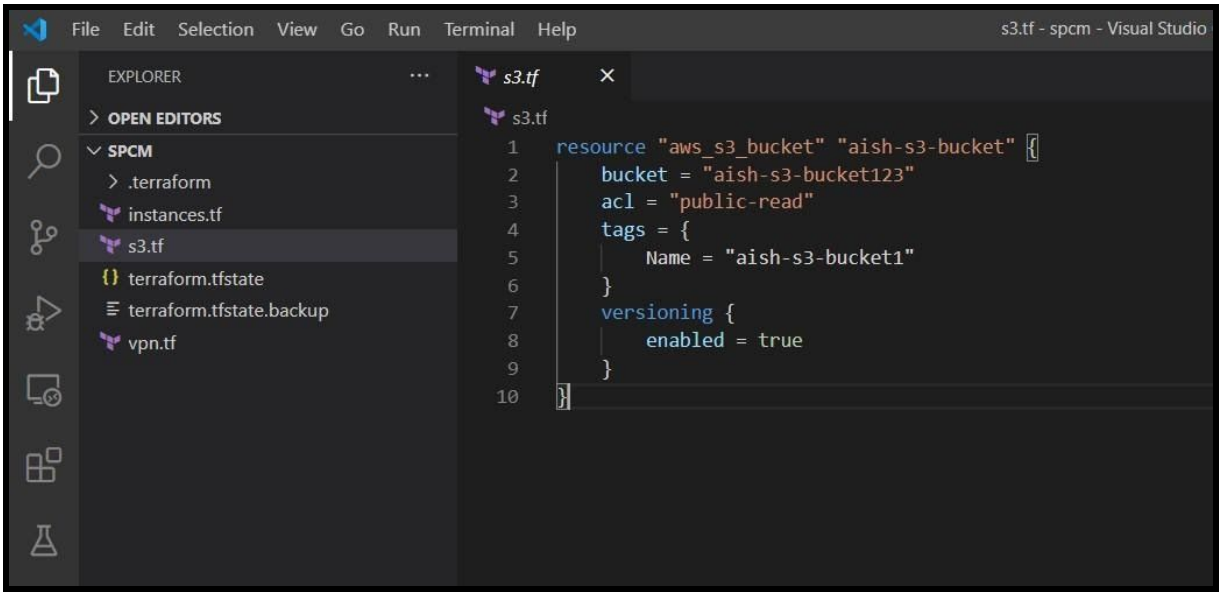


We create 2 aws providers, one in ap-south-1(Mumbai region) which is the default region and the other in us-east-1(Virginia region - USA)

- Creating VPN

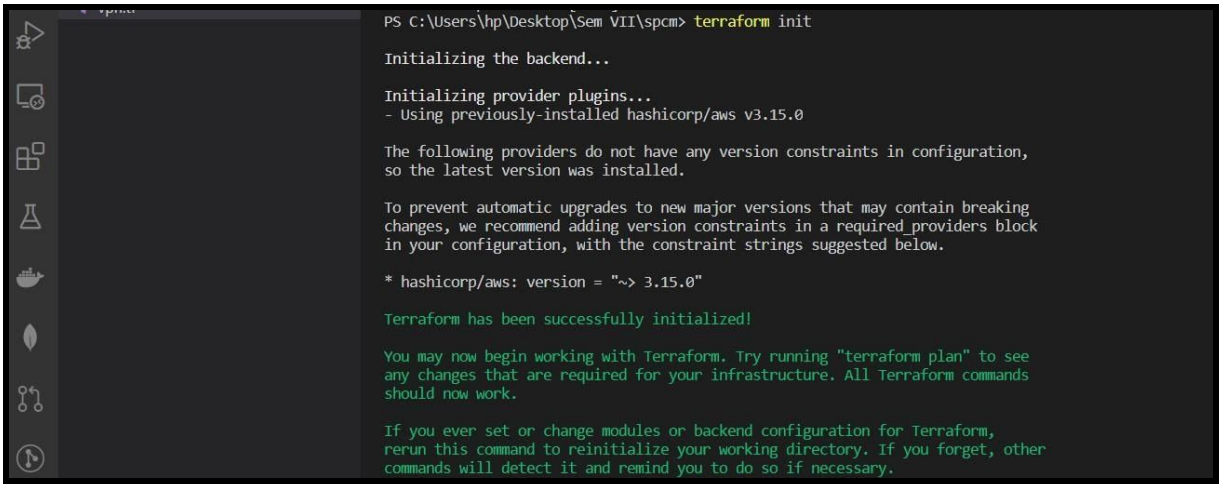


- Creating S3 bucket

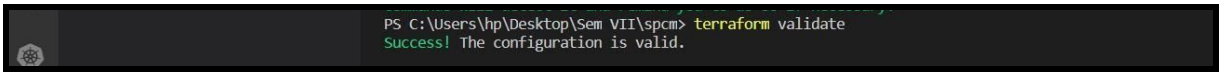


3. we will initialise , validate , plan , apply terraform which is installed on your system by running the following commands:

<u>Terraform init</u>



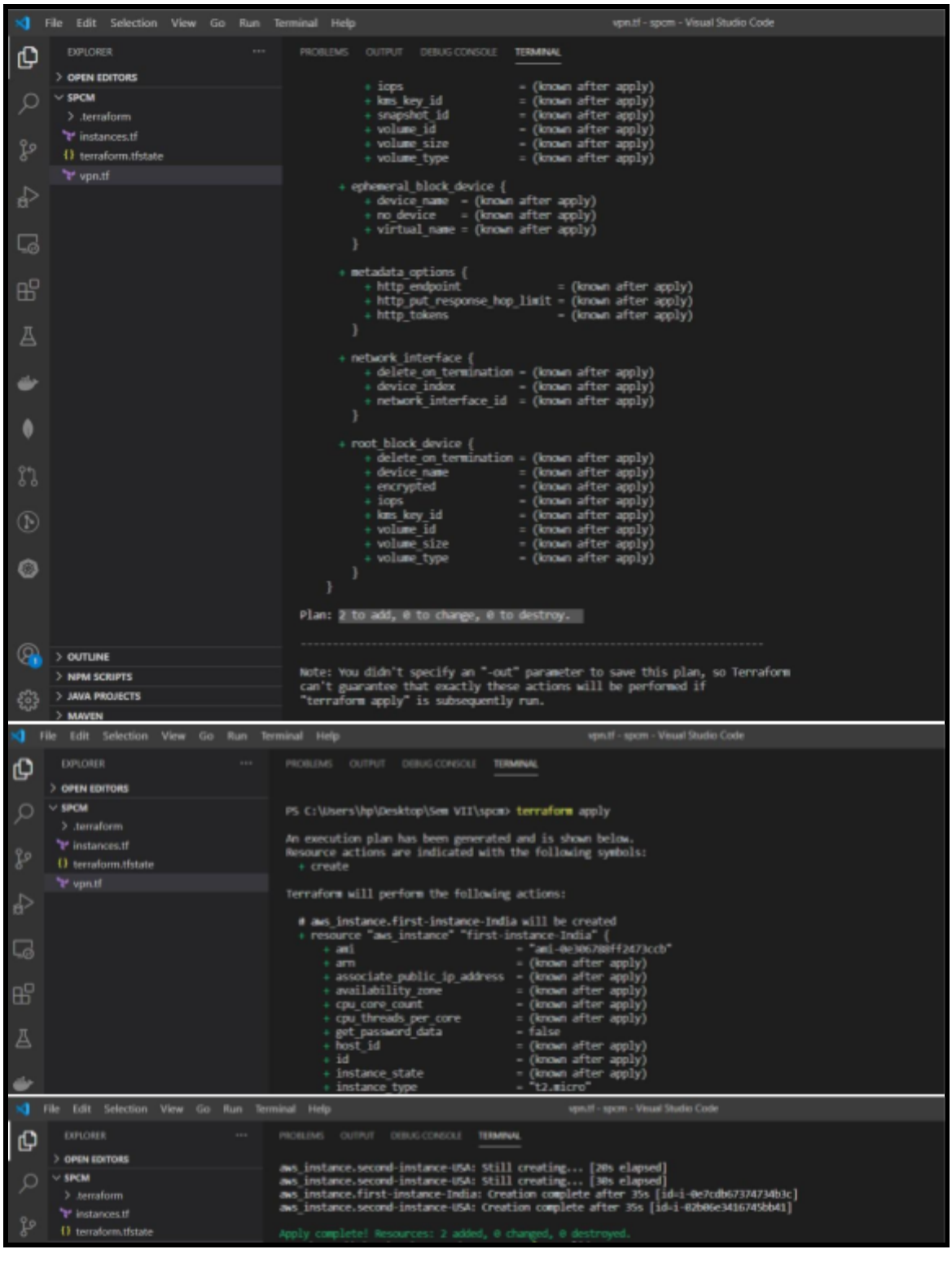
<u>Terraform validate</u>



Terraform plan

```
PS C:\Users\hp\Desktop\Sem VII\spcm> terraform plan
Refreshing Terraform state in-memory prior to plan...
The refreshed state will be used to calculate this plan, but will not be
persisted to local or remote state storage.
```

Terraform apply



4. the instances, VPN and S3 bucket have been created on your AWS cloud. One t2-micro ec2-instance is created in Mumbai region and the other in N. Virginia region.