InClass Assignment - Elastic BeanStalk using Terraform (Due by: 11-10-2023)

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CLCM3504: Continuous Integration and Continuous Deployment for cloud Applications

Preparation:

I have got the aws credentials and do few required changes in the terraform code and give the terraform commands to initialize, Plan, apply and destroy.

Observation:

While doing the task I have forgot to change the VPC ID and its subnet id of my own aws management. So faced the issue regard the subnet not existing because of this I have changed and worked fine. Later came across another issue in auto-scaling setting so I have changed the name and value inside that.

```
setting {
  namespace = "aws:autoscaling:launchconfiguration"
  name      = "IamInstanceProfile"
  value     =  "LabInstanceProfile"
 }
```

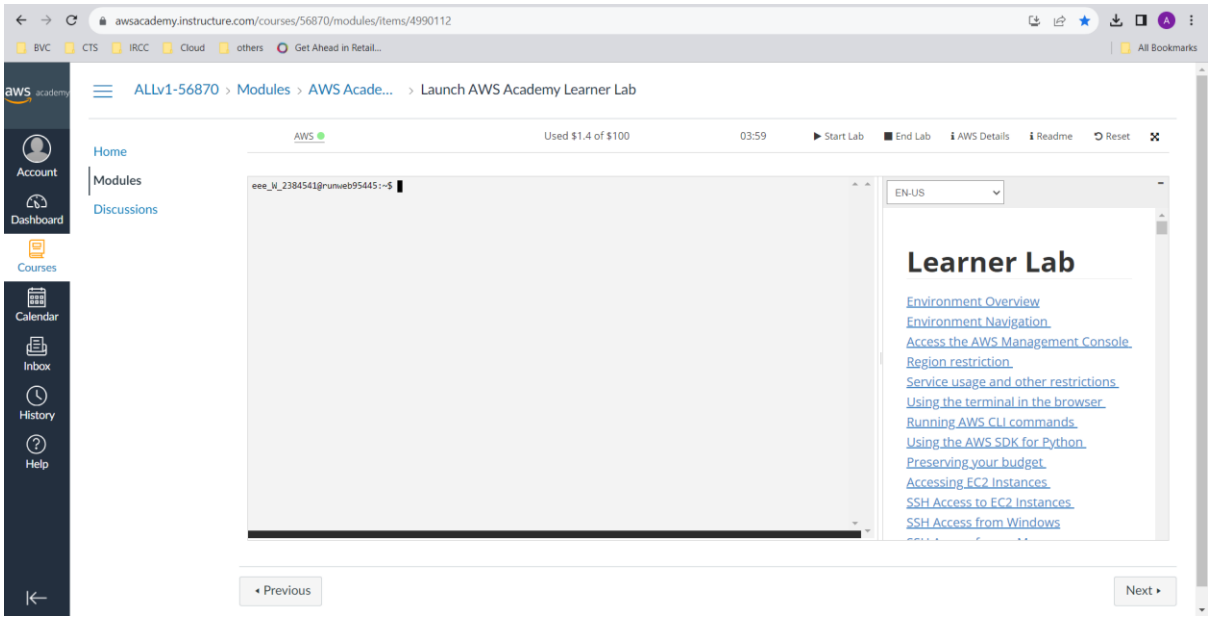
So these are the things I have learned , while configuring check the which environment we are running whether IAM or academy. And configure according to own AWS management console.

In my opinion, initially I felt terraform is difficult especially in the last class (terraform RDS). Now after completing this task I felt I have improved a bit after understood few basics.

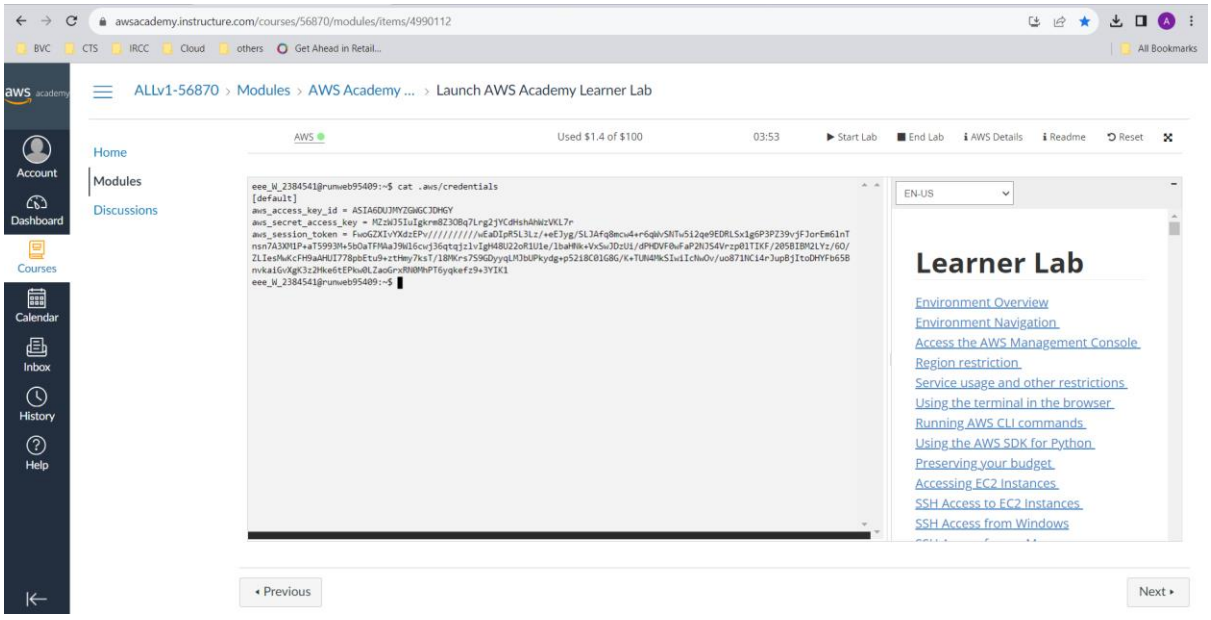
Screenshots:

Open the learners lab and start the lab.

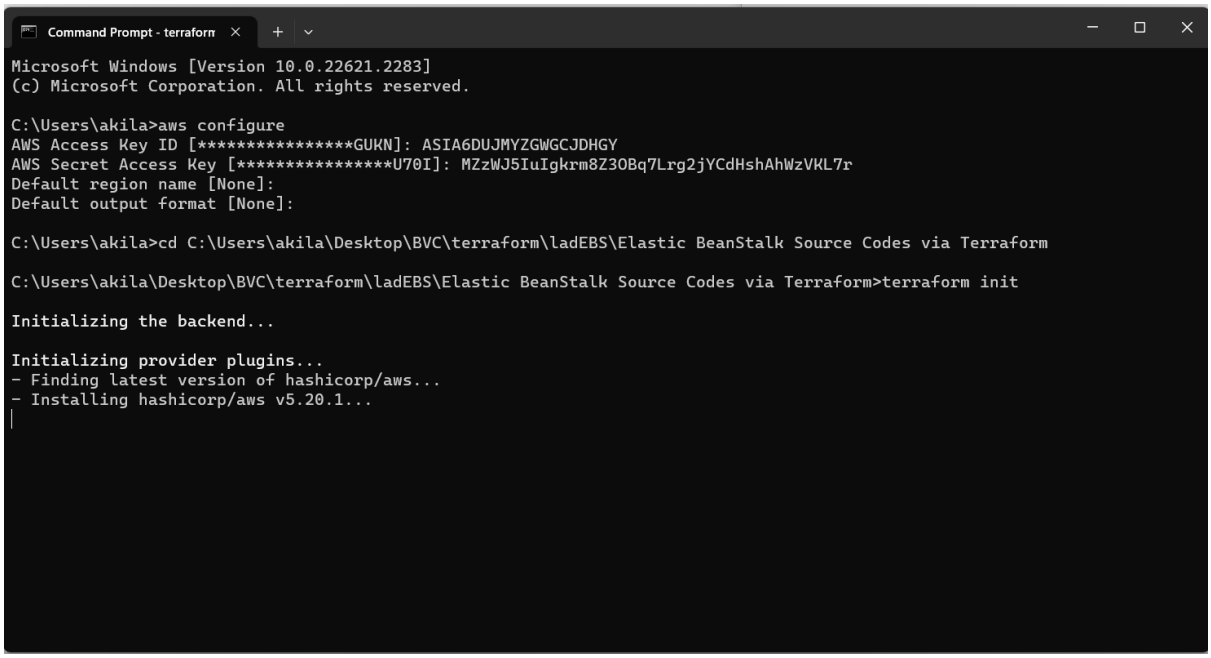
Classification: General



To get the access key id give the command as follows : ".aws/credentials". Copy this and paste in the credential files in the users folder.

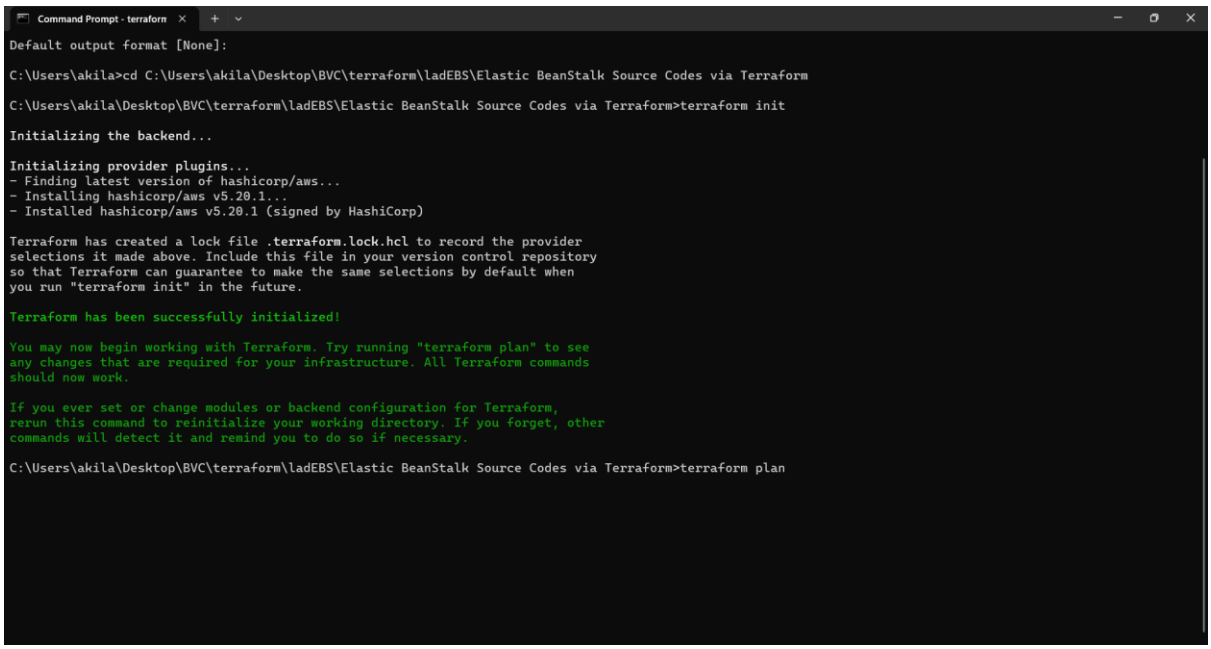


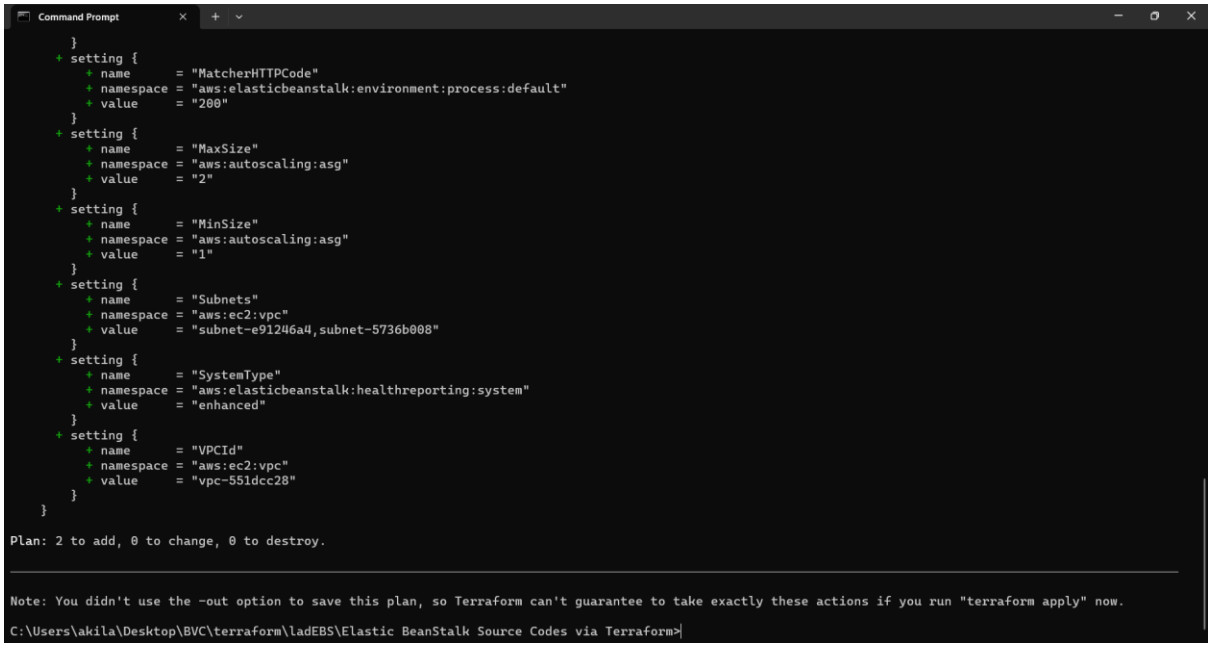
Now open the command prompt and give the command " aws configure" and give the access key id and security key id which you got in the aws learners lab.



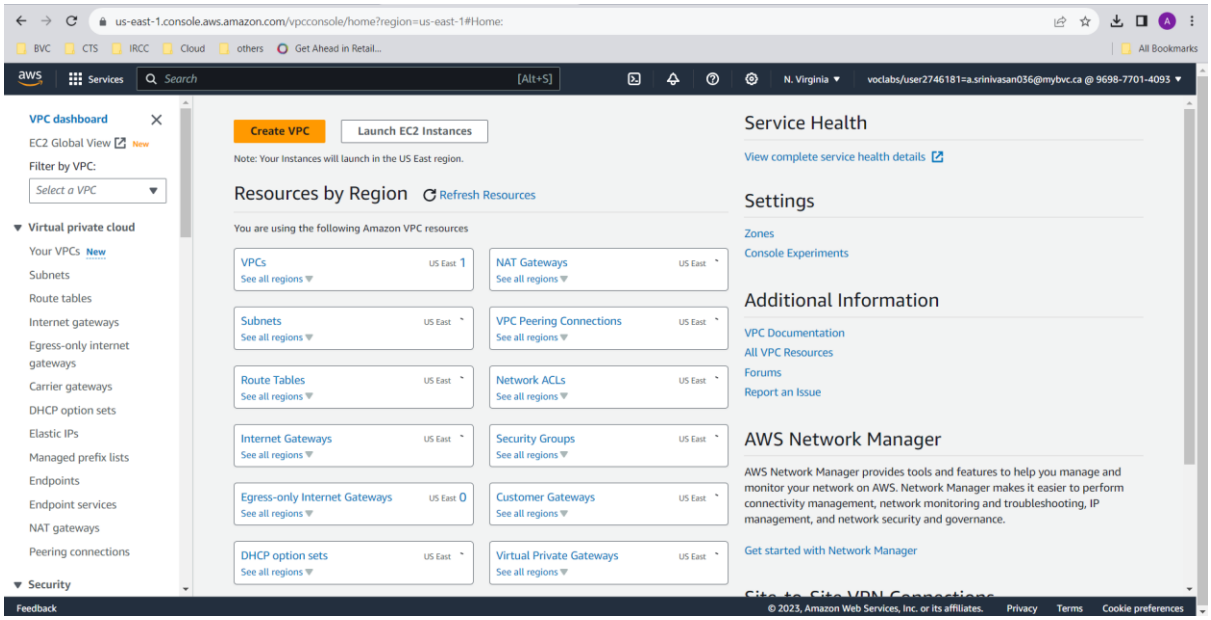
Now navigate the path to the folder directory where you have the terraform code. Also open the terraform code in visual studio code.

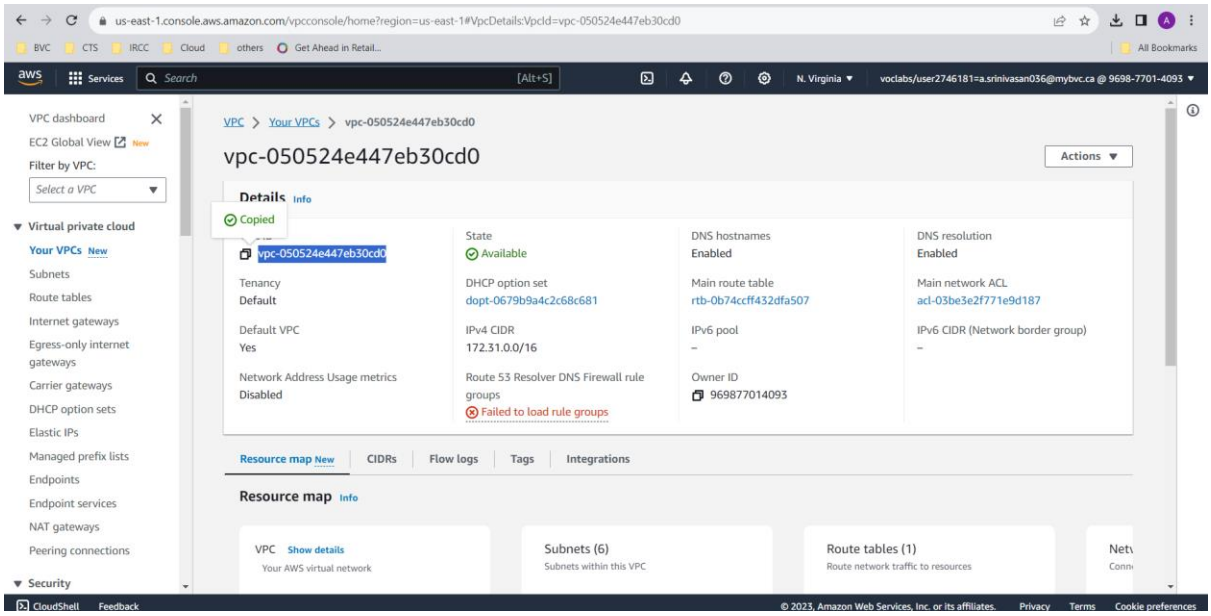
After that give the command " terraform init" to initialize the terraform. Later give "terraform plan"

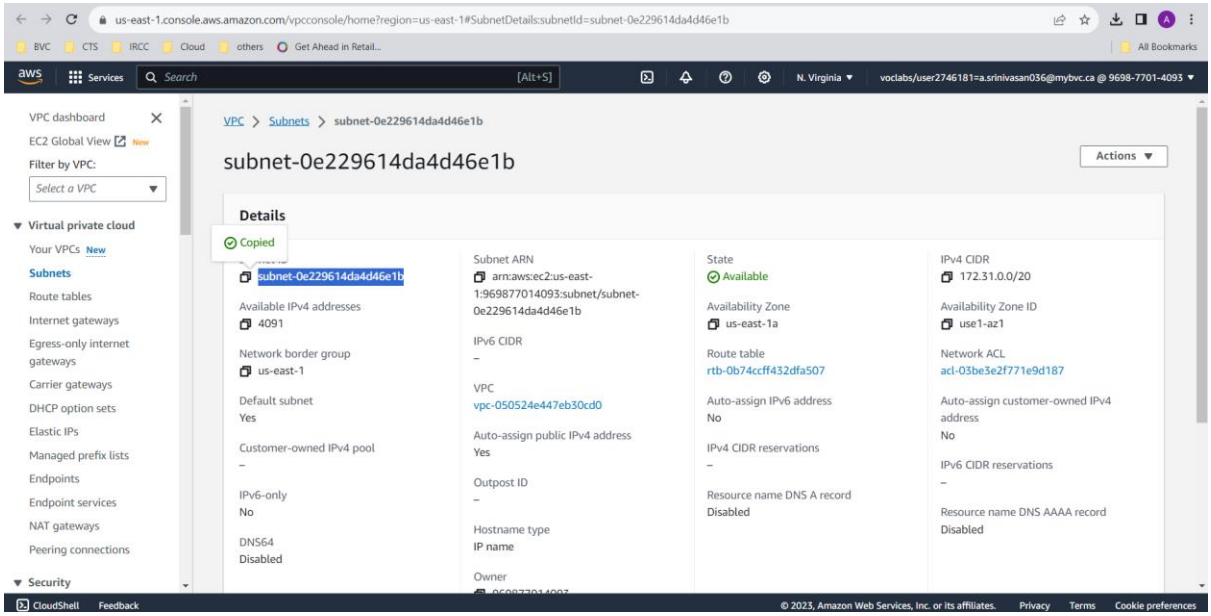




Before that change the code according to the requirements. Like change the VPC ID, Subnets id for your default VPC. And also instance profile in autoscaling settings as it varies for IAM and academy lab.







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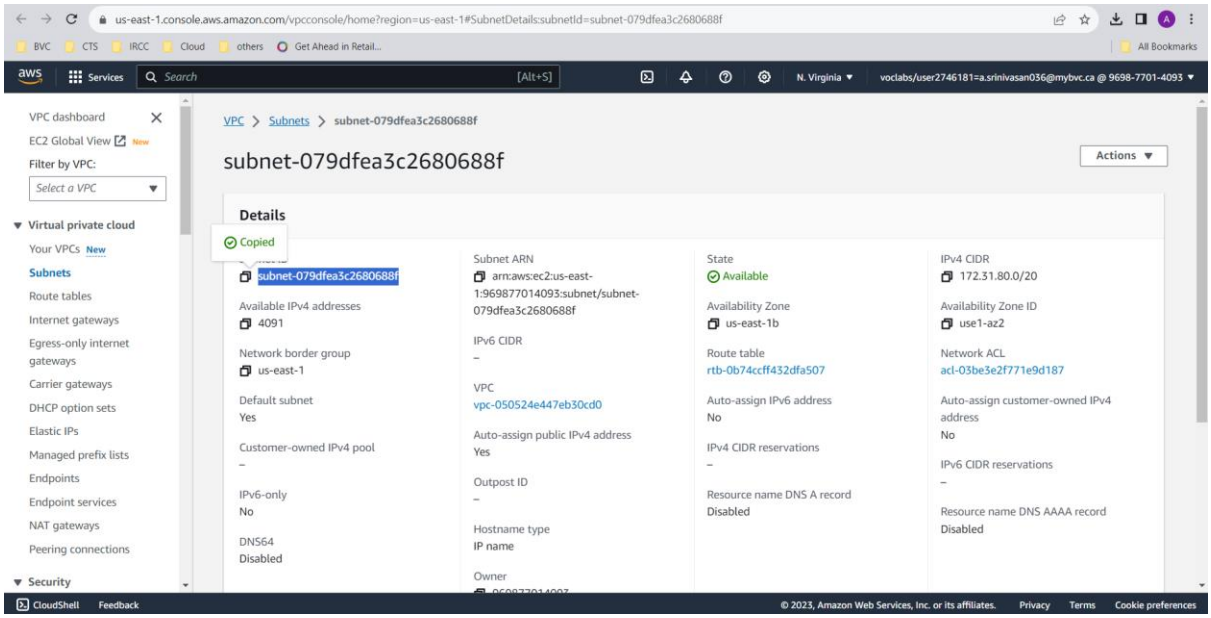
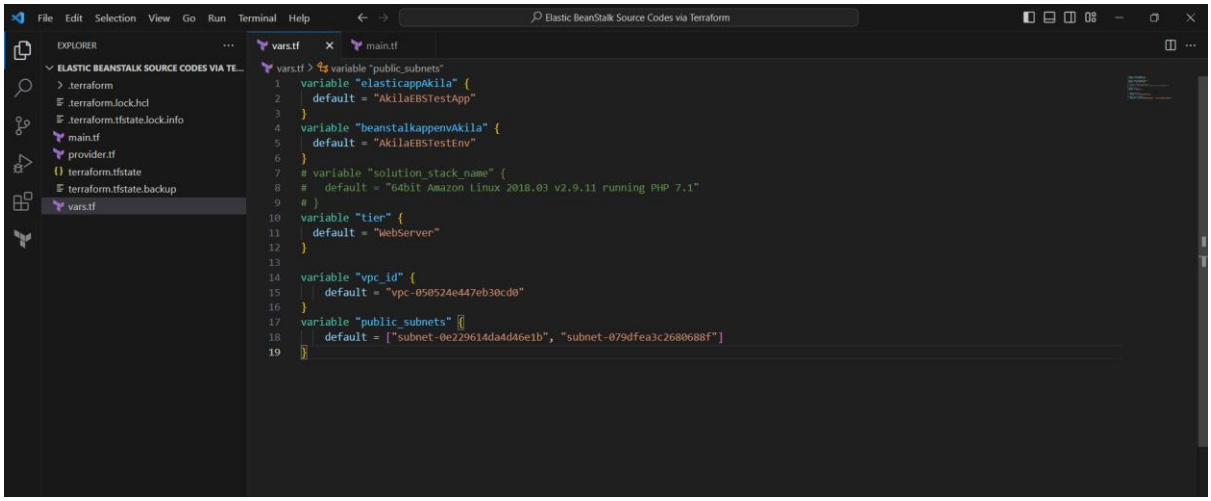
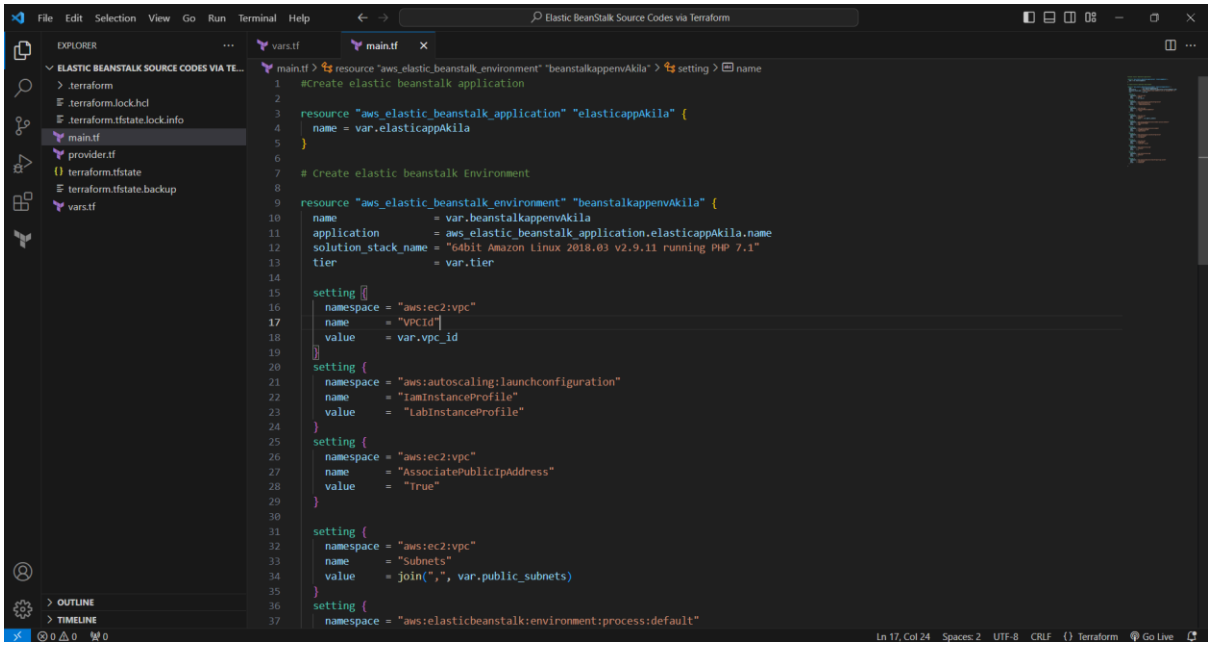
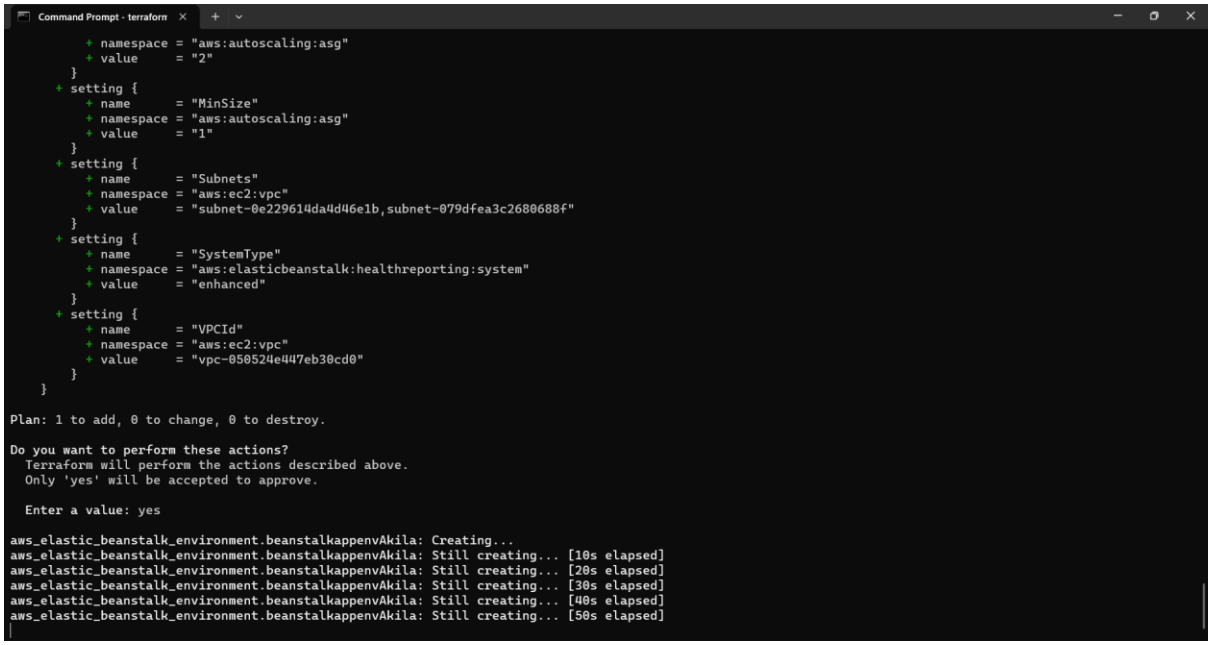


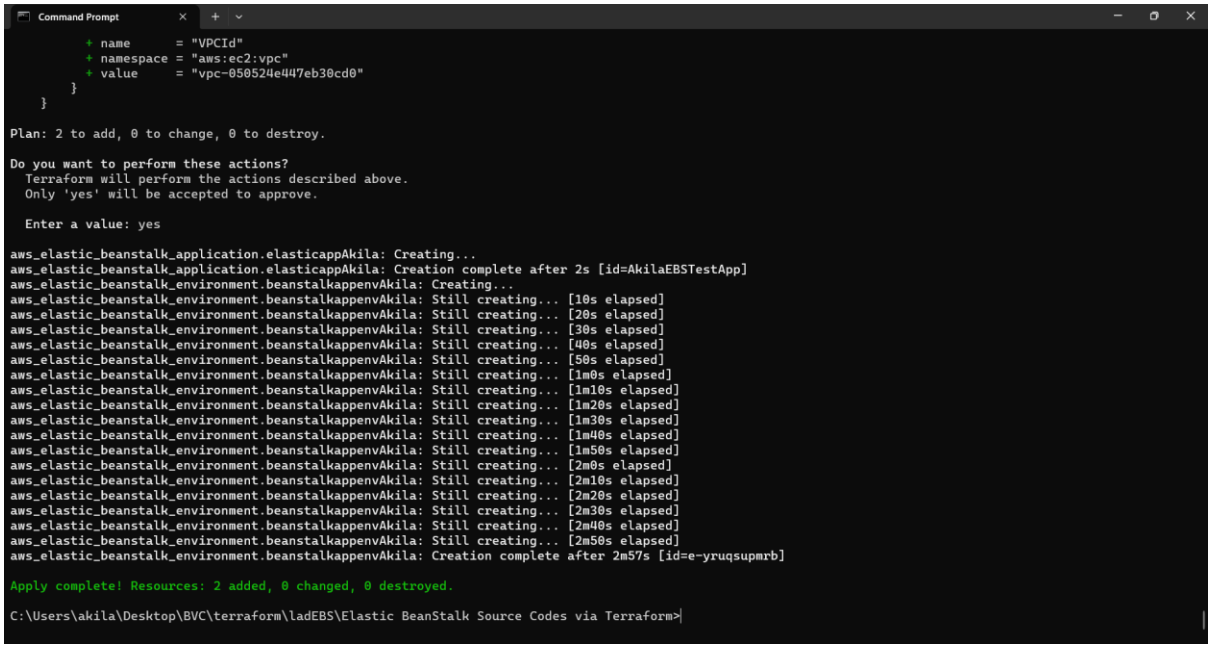
Updated Code:



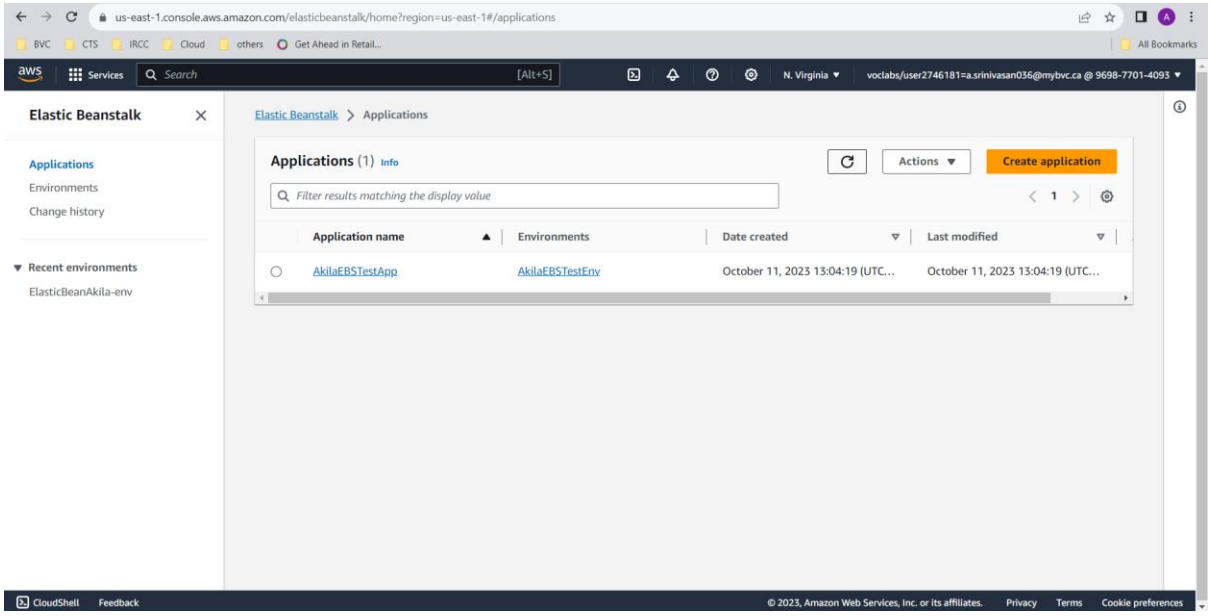


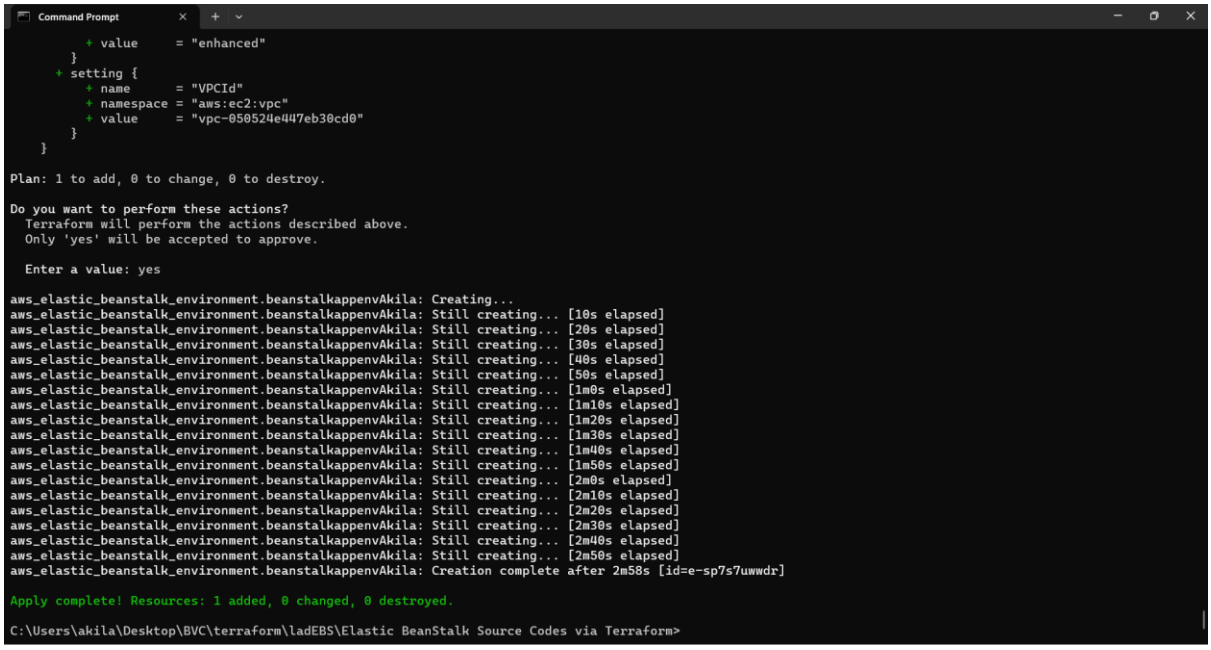
Then give “Terraform apply”



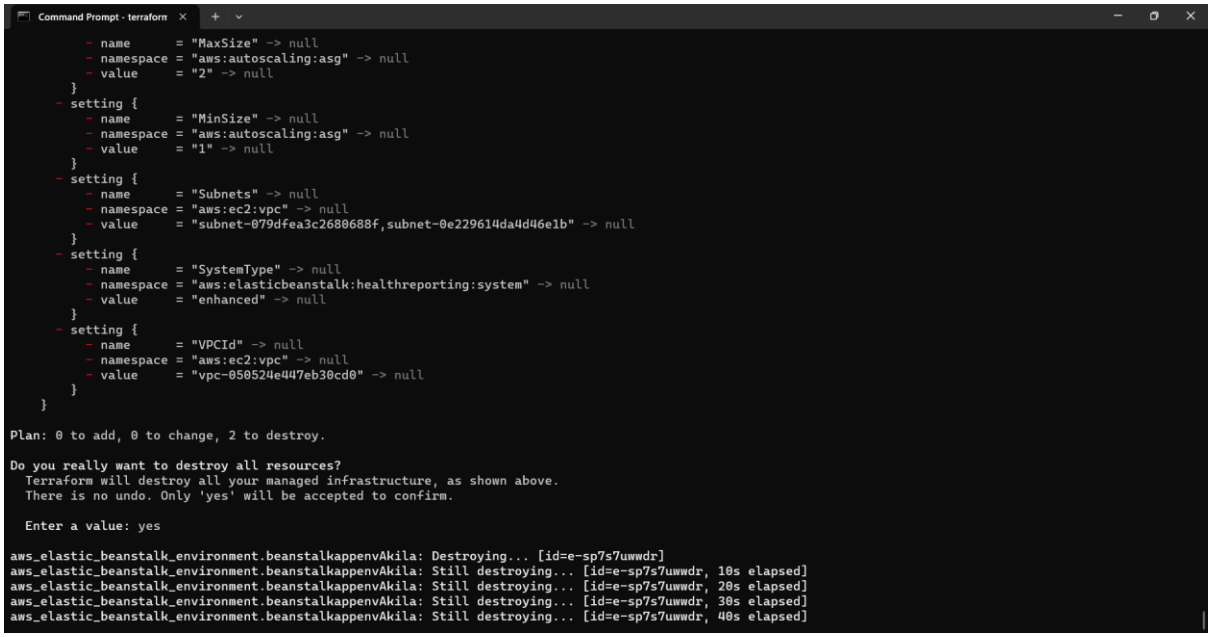


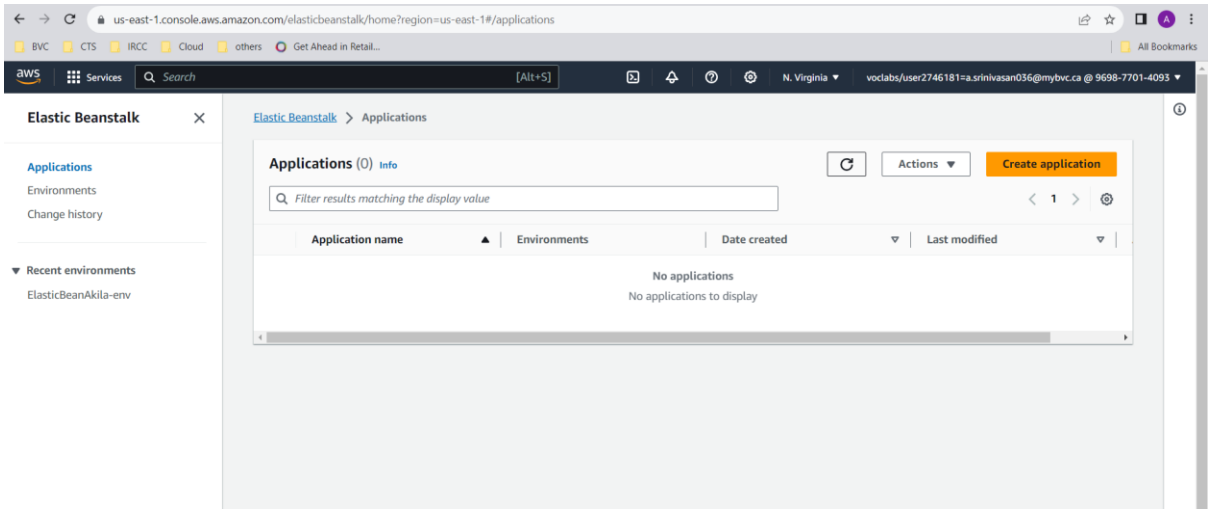
After successfully applied. Check the Elastic BeanStalk in the management console.





Then delete the Elastic BeanStalk which you have created by giving “terraform destroy” in cmd





Reference :

www.google.com ,
https://registry.terraform.io/providers/hashicorp/aws/latest/docs/resources/elastic_beanstalk_environment