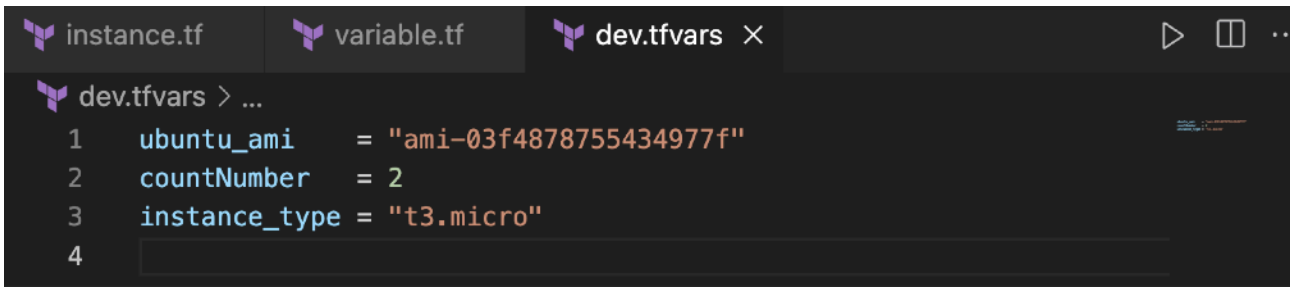
# SPCM LAB-6

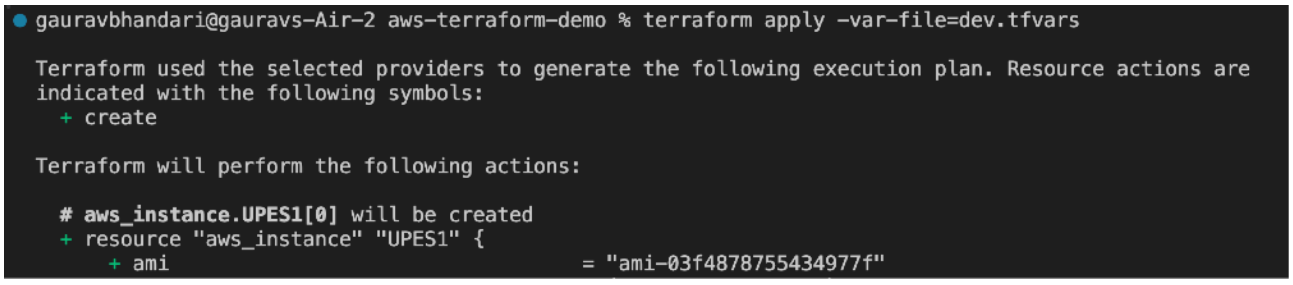
Objective: Learn how to use multiple tfvars files in Terraform for different environments.

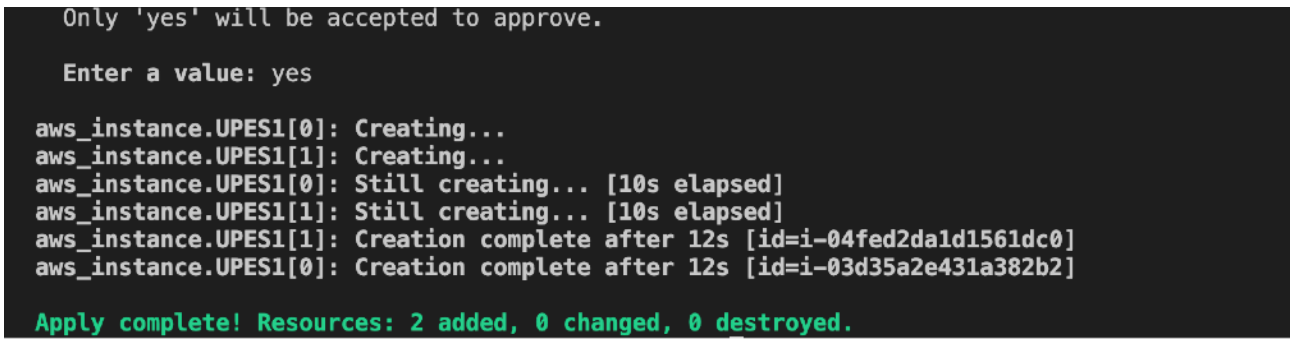
- Create multiple tfvar files
- Create a dev.tfvar file

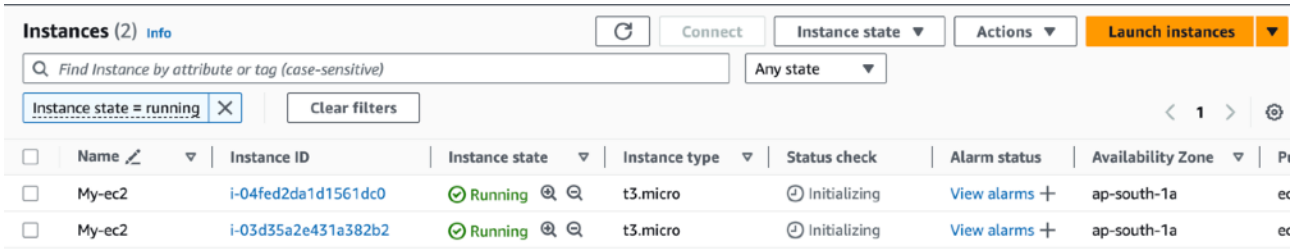



- Create a prod.tfvar file


- Run the terraform apply -var-file=dev.tfvars commands to initialize and apply the configuration for the dev environment:






- Run the following Terraform commands to initialize and apply the configurationf or the prod environment:

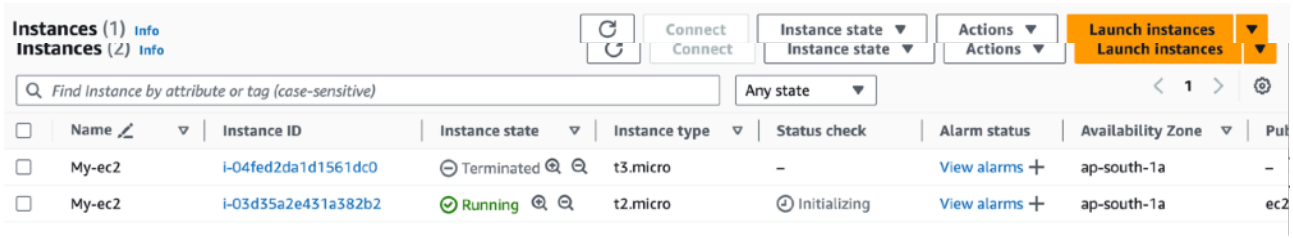
```
gauravbhandari@gauravs-Air-2 aws-terraform-demo % terraform apply -var-file=prod.tfvars
aws_instance.UPES1[0]: Refreshing state... [id=i-03d35a2e431a382b2]
aws_instance.UPES1[1]: Refreshing state... [id=i-04fed2da1d1561dc0]

Terraform used the selected providers to generate the following execution plan. Resource actions are
indicated with the following symbols:
  ~ update in-place
  - destroy

Terraform will perform the following actions:

Plan: 1 to add, 0 to change, 0 to destroy.
aws_instance.UPES1[0]: Still modifying... [id=i-03d35a2e431a382b2, 50s elapsed]
aws_instance.UPES1[0]: Still modifying... [id=i-03d35a2e431a382b2, 1m0s elapsed]
aws_instance.UPES1[0]: Still modifying... [id=i-03d35a2e431a382b2, 1m10s elapsed]
aws_instance.UPES1[0]: Still modifying... [id=i-03d35a2e431a382b2, 1m20s elapsed]
aws_instance.UPES1[0]: Still modifying... [id=i-03d35a2e431a382b2, 1m30s elapsed]
aws_instance.UPES1[0]: Still modifying... [id=i-03d35a2e431a382b2, 1m40s elapsed]
aws_instance.UPES1[0]: Modifications complete after 1m42s [id=i-03d35a2e431a382b2]

Apply complete! Resources: 0 added, 1 changed, 1 destroyed.
```




- After successful experimentation clean up the environment using terraform destroy -var-file=prod.tfvars

```
gauravbhandari@gauravs-Air-2 aws-terraform-demo % terraform destroy -var-file=prod.tfvars --auto-approve
aws_instance.UPES1[0]: Refreshing state... [id=i-03d35a2e431a382b2]

Terraform used the selected providers to generate the following execution plan. Resource actions are
indicated with the following symbols:
  - destroy

Terraform will perform the following actions:

  # aws_instance.UPES1[0] will be destroyed
  - resource "aws_instance" "UPES1" {
      - ami                                  = "ami-03f4878755434977f" -> null

Plan: 0 to add, 0 to change, 1 to destroy.
aws_instance.UPES1[0]: Destroying... [id=i-03d35a2e431a382b2]
aws_instance.UPES1[0]: Still destroying... [id=i-03d35a2e431a382b2, 10s elapsed]
aws_instance.UPES1[0]: Still destroying... [id=i-03d35a2e431a382b2, 20s elapsed]
aws_instance.UPES1[0]: Still destroying... [id=i-03d35a2e431a382b2, 30s elapsed]
aws_instance.UPES1[0]: Destruction complete after 30s

Destroy complete! Resources: 1 destroyed.
```