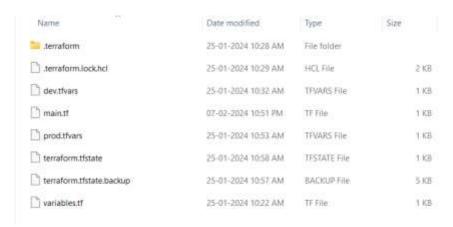
## **EXPERIMENT – 6**

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Batch – 2 [DevOps Non-Hons]
SAP ID- 500092140
Subject – System Provisioning and Configuration Management Lab

## Aim: Terraform Multiple tfvars Files.

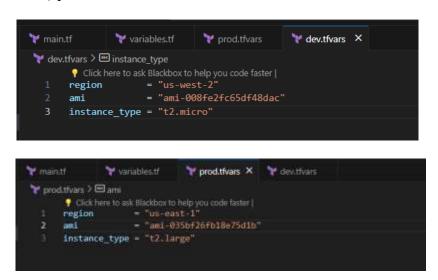
1] Create a new directory and Create terraform Configuration File (main.tf)



```
terraform-multiple-tfvars-6 > main.tf > train.tf > trai
```

2] Create a file named as "variable.tf"

- 3] Create Multiple tfvars Files:
  - i) dev.tfvars
  - ii) prod.tfvars



4] Initialize Terraform for <u>Dev Environment</u> and apply it using command "Terraform apply"

```
PS F:\PESSOR Semester\Sys Provisioning and Colg Mgot\Lab\Terraform-Lab-Scripts\terraform-multiple-tivers-6> terraform init

Initializing the backend...

Initializing provider plugims...

- Finding hashicorp/me versions matching "5.31.0"...

- Installing hashicorp/me versions matching "5.31.0"...

- Installing hashicorp/me v5.31.0 (signed by HashiCorp)

Terraform has created a lock file .terraform.lock.hel to record the provider
celections it made above. Include this file in your version control repository
so that Terraform can guarantee to make the same selections by default when
you run "ternaform init" in the future.

Terraform has been seccessfully initialized!

You may now heigh working with Terraform. Try rounding Terraform glam'in see
any changes that are required for your infrastructure. All Terraform commands
thought new work.

If you were not see change modules or backend configuration for liveraform,
recommends will datest it and remark you to do so for necessary.

FS F-\UPPESSORS command to relativalize your morking directory. If you forget, other
commands will datest it and remark you to do so for necessary.

FS F-\UPPESSORS command to relativalize your morking directory. If you forget, other
commands will datest it and remark you to do so for necessary.

FS F-\UPPESSORS commands are secured by Provisioning and Cofg Mgot\Lab\Terraform-Lab-Scripts\terraform-multiple tfvers-6> terraform validate
Secures the coordiguration to valid.
```

```
PS F:\UPPES\6th Semester\Sys Provisioning and Confg Mgmt\Lab\Ternaform-Lab-Scripts\ternaform-multiple-tfvars-6> ternaform apply -var-file="dev.tfvars"

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

**Create**

Ternaform will perform the following actions:

***Base_instance.example will be created

**resource "aws_instance" "example" {

**ami_088fe2fc65df48dac"

**(known after apply)

**ansoclate public lp address

**(known after apply)

**ansoclate public lp address

**(known after apply)

**cpu_tore_count

**(known after apply)

**disable_pst_tore

**(known after apply)

**disable_pst_toreInation

**(known after apply)

**disable_pst_toreInation

**(known after apply)

**get_password_data

**password_data

**false

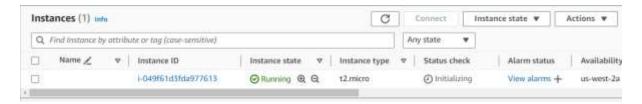
**(known after apply)

**id**

**(known after apply)

**(known after apply)
```

5] Verify Resources on AWS Management Console for <u>Dev Environment</u>



6] Initialize Terraform for Prod Environment and apply it using command "Terraform apply"

```
PS F:\PES\Oth Semester\Sys Provisioning and Cofg Mget\Lab\Terraform-Lab-Scripts\terraform-multiple-tfvars-60 terraform init

Initializing the backend...

Initializing provider plugins...
- Finding hashicorp/mac versions matching "5.11.0"...
- Installing hashicorp/mac versions matching "5.11.0"...
- Installing hashicorp/mac v5.31.0 (signed by HashiCorp)

Terraform has created a lock file .terraform.lack.hcl to record the provider celections it made above. Include this file in your version control repository so that Terraform guarantee to make the same selections by default when you run "terraform init" in the future.

Terraform has been sectorafully initialized:

You may now hagle working with Terraform. Try running "larraform plan" in we any changes that was required for your infrastructure. All Terraform termands chould now wars.

If you were set or change modules or backend configuration for legislar, commands to reinitialize your morking directory. If you forgot, other commands to reinitialize your morking directory.

PS F:\UPES\Delta Semester\Sys Provisioning and Cofg Mget\Lab\Terraform-Lab-Scripts\terraform-multiple-tfvars-60 terraform validate Sections! The configuration is valid.
```

```
Plan: I to add, 8 to change, 8 to destroy.

Do you want to perform these actions?
Terraform will perform the actions described above.
Only 'yes' will be accepted to approve.

Enter a value: yes

aws_instance.example: Creating...
aws_instance.example: Still creating... [18s elapsed]
aws_instance.example: Still creating... [28s elapsed]
aws_instance.example: Still creating... [38s elapsed]
aws_instance.example: Still creating... [38s elapsed]
aws_instance.example: Still creating... [38s elapsed]
aws_instance.example: Creation complete after 34s [idei-8114abd94f485a41f]

Apply_complete! Resources: 1 added, 0 changed, 0 destroyed.
```

7] Verify Resources on AWS Management Console for Prod Environment



8] Cleanup Resources for Dev and Prod Environment using command "Terraform destroy"

```
- volume_type = 8 -> null
- volume_type = "gp3" -> null
}

Plan: 0 to add, 0 to change, 1 to destroy.

Do you really want to destroy all resources?
   Terraform will destroy all your managed infrastructure, as shown above.
   There is no undo. Only 'yes' will be accepted to confirm.

Enter a value: yes

aws_instance.example: Destroying... [id=i-0114abd94f405a41f]
aws_instance.example: Still destroying... [id=i-0114abd94f405a41f, 10s elapsed]
aws_instance.example: Still destroying... [id=i-0114abd94f405a41f, 20s elapsed]
aws_instance.example: Still destroying... [id=i-0114abd94f405a41f, 30s elapsed]
aws_instance.example: Destruction complete after 31s

Destroy complete! Resources: 1 destroyed.
```