Lab Exercise 6- Terraform Multiple tfvars Files

Steps:

1. Create a Terraform Directory:

```
mkdir terraform-multiple-tfvars
cd terraform-multiple-tfvars
```

main.tf

```
resource "aws_instance" "example" {

ami = var.ami

instance_type = var.instance_type

}

terraform {

required_providers {

aws = {

source = "hashicorp/aws"

version = "5.31.0"

}

provider "aws" {

region = "ap-south-1"

access_key = "AKIA5FTY77WSIB44R75Q"

secret_key = "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"

}
```

variables.tf

```
Terraform-multiple-tfvars > variables.tf > variable "region" > default

1  variable "region" {
2     description = "AWS region"
3     default = "ap-south-1"
4     }
5     
6     
7  variable "ami" {
8     description = "AMI ID"
9  type = string
10  default = "ami-03f4878755434977f"
11  }
12
13  variable "instance_type" {
14     description = "EC2 Instance Type"
15     default = "t2.micro"
16  }
```

2. Create Multiple tfvars Files:

dev.tfvars

```
Terraform-multiple-tfvars > dev.tfvars > region

1 region = "ap-south-1"

2 ami = "ami-0d63de463e6604d0a"

3 instance_type = "t2.micro"
```

ops.tfvars

```
Terraform-multiple-tfvars > ♥ ops.tfvars > № region

1 region = "ap-south-1"

2 ami = "ami-03f4878755434977f"

3 instance_type = "t2.large"
```

3. Initialize and Apply for Dev Environment:

• Run the following Terraform commands to initialize and apply the configuration for the dev environment:

```
terraform init
terraform apply -var-file=dev.tfvars
```

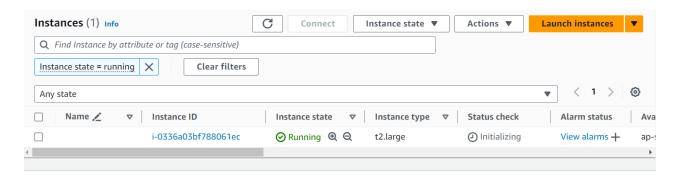
4. Initialize and Apply for Prod Environment:

• Run the following Terraform commands to initialize and apply the configuration for the prod environment:

```
terraform init
terraform apply -var-file=ops.tfvars
```

•

5. Test and Verify:



6. Clean Up:

```
terraform destroy -var-file=dev.tfvars
terraform destroy -var-file=ops.tfvars
```