## Lab Exercise 6- Terraform Multiple tfvars Files

# **Objective:**

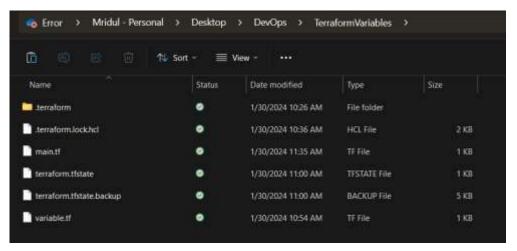
Learn how to use multiple thvars files in Terraform for different environments.

## **Prerequisites:**

- Terraform installed on your machine.
- Basic knowledge of Terraform configuration and variables.

## **Steps:**

# 1. Create a Terraform Directory:



**Create Terraform Configuration Files:** 

Create a file named main.tf:

#### # main.tf

Create a file named variables.tf:

### # variables.tf

```
variable.tf X

variable.tf > **x variable "region_ec2"

1   variable "ami" {
2   description = "AMI ID"
3   default = "ami-83f4878755434977f"
4  }

5   variable "instance_ty" {
7   description = "ec2-instance"
8   default = "t2.micro"
9  }

10   variable "region_ec2" {
11   variable "region_ec2" {
12   description = "ec2-region"
13   default = "ap-south-1"
14 }
```

# 2. Create Multiple tfvars Files:

Create a file named dev.tfvars: #

#### dev.tfvars

Create a file named prod.tfvars: #

### prod.tfvars

# 3. Initialize and Apply for Dev Environment:

```
warring: Value for wederland contains.

The root social does not contain a contained the proof of the value was found in file "day thought to we this value, and a "cantains" block to the configuration.

To eliment block the merrings, one IT 300, a end-common variable to provide centain "global" anthings to all configurations in your organization. To enhance the vertexity of these sendings, one the "conject-vermings action.

The root would does not declare a variable.

The root would does not declare a variable.

The root would does not declare a variable meed "instance type" but a value was found in file "New tivers". If you meent to use this value, and a "ownishing block to the configuration.

To eliment these sentings, one IT_NAL__ environment variables to provide centain "global" sentings to all configurations in your organization. To reduce the variability of these sentings, one fire comput-variable parties.

Deeper worst to perfore those actions? These sentings, one fire comput-variable action.

Coly 'yes' will be accorded to approve.

Color yes 'will it resulting. [We classed]

No. Sentance compiles Still creating. [We classed]

No. Sentance compiles Still creating. [We classed]

No. Sentance compiles Still creating. [We classed]

No. Sentance compiles (Color of the sentance that the life identication) is provided to approve the sentance of the life identication.
```

## 4. Initialize and Apply for Prod Environment:

```
PS C:\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\Users\Del\
```

```
Naming: Value for undeclared variable

The root module does not declare a variable named "instance_type" but a value was found in file "prod.tfvars". If you meant to use this value, add a "variable" block to the configuration.

To milence these mermings, use IF NAM ... environment variables to provide certain "globel" settings to all configurations in your organization. To reduce the varbosity of these warnings, use the "compact-warnings option.

Do you ment to perform these actions?

Terration will perform the actions described above.

Only 'yes' will be accepted to approve.

Enter a value; yes

ma_instance.example: Destroying... [id=1.000e2c3007073206]

ma_instance.example: Still destroying... [id=1.000e2c3007073206]

ma_instance.example: Still destroying... [id=1.000e2c3007073206]

ma_instance.example: Still destroying... [id=1.000e2c3007073206]

ma_instance.example: Still conting... [id=1.000e2c3007073206]

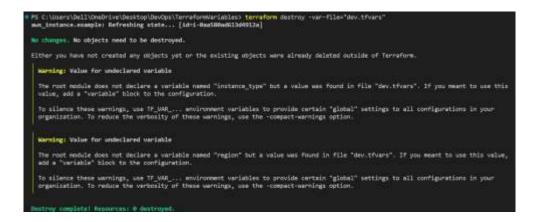
ma_instance.example: Still creating... [id=1.000e2c3007073206]

ma_instance.example: Still creati
```

## 5. Test and Verify:



### 6. Clean Up:



```
PS C. Where Well Disable Description (Description Prometer Select Section Sect
```