Lab Exercise 6- Terraform Multiple tfvars Files

Objective:

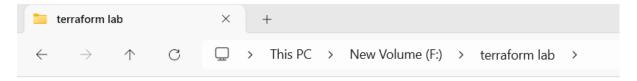
Learn how to use multiple thvars files in Terraform for different environments.

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 > fravariable "region_ec2"

1  variable "ami" {
2  description = "AMI ID"
3  default = "ami-03f4878755434977f"
4  }

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

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

2. Create tfvars Files:

3. Initialize and Apply for Dev Environment:

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PS F:\terraform lab\lab6> terraform apply -var-file="dev.tfvars

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warring: Nature for webclared contable

the part social does not sociate a cartable named "region" but a value was finish in Ilia Take, thoses. If you meant to use this value,

and a "naminals" block to the configuration.

To allowed these secularly, but IT.NST... and named "region" but a value was finish to Ilia Take, thoses. It was sent to use this value,

organization. In reduce the verboosty of these seculars, one the compact vermings cutton.

Verming: Value for webclared variable

The root for variable

The root webclared variable

The root variable

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```

4. Initialize and Apply for Prod Environment:

PS F:\terraform lab\lab6> terraform apply -var-file="prod.tfvars"

```
Nameling: Value for undeclared variable

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

To allers these mernings, use if VAR_... environment variables to provide certain "globel" settings to all configurations in your organization. To reduce the varboisty of these warnings, use the "compact-warnings option.

But you want to perform these actions?

The rathers will perform the actions?

The rathers will perform the actions?

Enter a value; yes

and instance example: Destroying... [id=1-000e2c30570732056, 10s elepted]

and instance example: Still destroying... [id=1-000e2c30570732056, 10s elepted]

and instance example: Still destroying... [id=1-000e2c30570732056, 30s elepted]

and instance example: Destruction complete after 32s

and instance.example: Destruction complete after 32s

and instance.example: Destructing... [ids elepted]

and instance.example: Creating... [ids elepted]

and instance.example: Creating... [ids elepted]

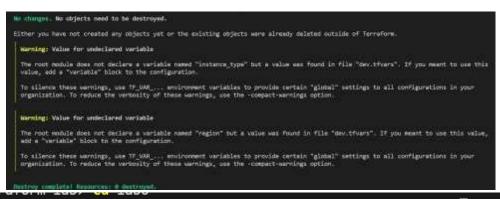
and instance.example: Still creating... [ids elepted]
```

5. Test and Verify:



6. Clean Up:

PS F:\terraform lab\lab6> terraform destroy -var-file="dev.tfvars"



PS F:\terraform lab\lab6> terraform destroy -var-file="prod.tfvars"