<u>Lab Exercise 15 – Terraform</u> <u>Variables</u>

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Objective:

Learn how to define and use variables in Terraform configuration.

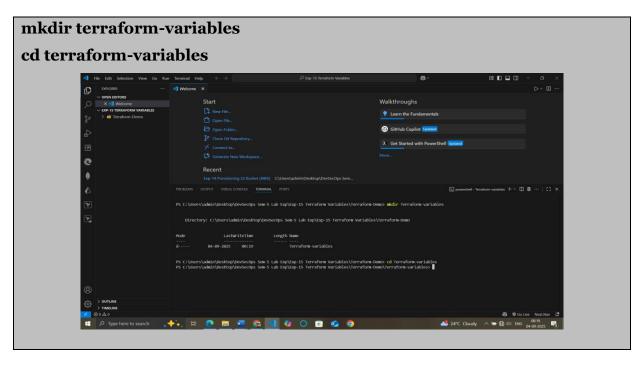
Prerequisites:

• Install Terraform on your machine.

Steps:

1. Create a Terraform Directory:

• Create a new directory for your Terraform project.



2. Create a Terraform Configuration File:

• Create a file named main.tf within your project directory.

main.tf

```
resource "aws_instance" "myinstance-1" {
  ami = var.myami
  instance_type = var.my_instance_type
  count = var.mycount
  tags = {
  Name= "My Instance"
      here to search 🗼 🖟 📵 🧓 👼 📢 🐠 🔘 🕫 💁 🧿
```

3. Define Variables:

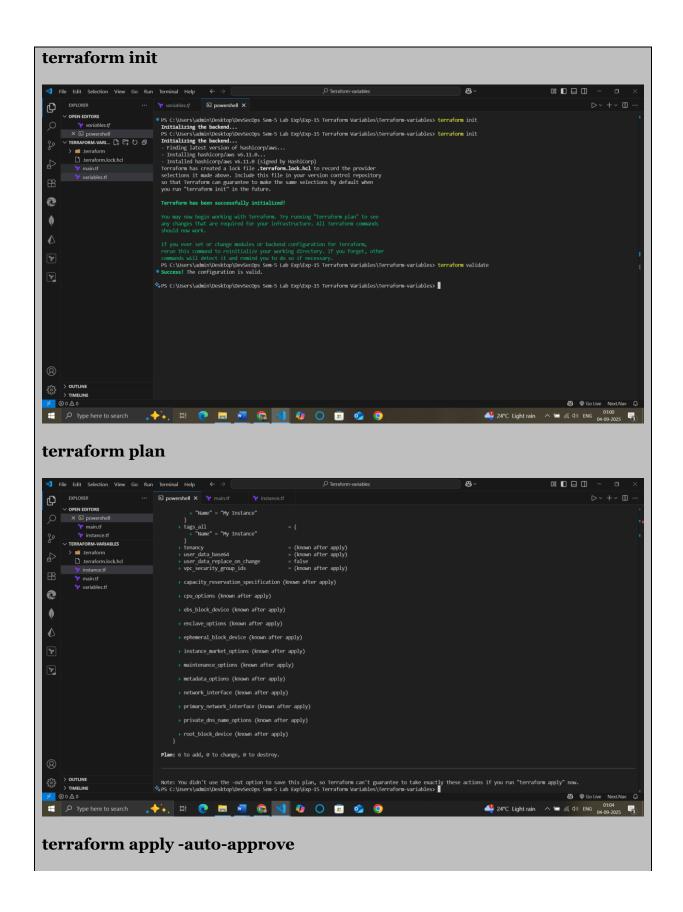
• Open a new file named variables.tf. Define variables for region, ami, and instance_type.

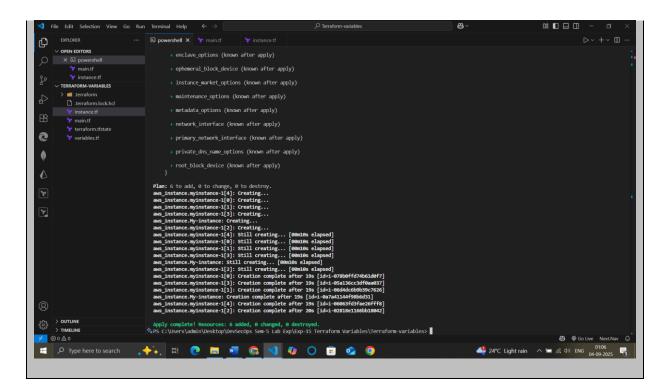
variables.tf

```
variable "myami" {
 type = string
default = "ami-08718895af4dfa033"
variable "mycount" {
 type = number
default = 5
variable "my_instance_type" {
  type = string
  default = "t2.micro"
             ,++, H 😷 🖿 🥦 🧠 🕠 🐠 🔘 🗈 💁 🦠
```

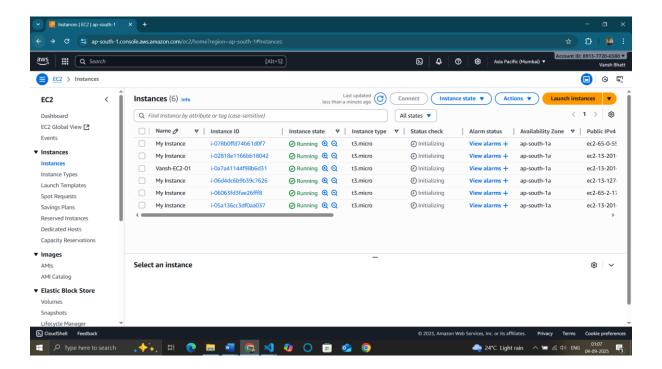
4. Initialize and Apply:

• Run the following Terraform commands to initialize and apply the configuration.



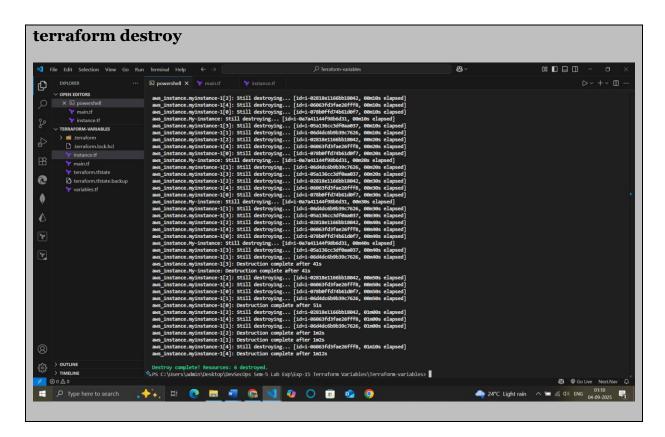


Observe how the region changes based on the variable override.



5. Clean Up:

After testing, you can clean up resources.



Confirm the destruction by typing yes.

6. Conclusion:

This lab exercise introduces you to Terraform variables and demonstrates how to use them in your configurations. Experiment with different variable values and overrides to understand their impact on the infrastructure provisioning process.