SIDDHARTH TIWARI 500095935 R2142210949 B.TECH CSE DEVOPS BATCH 3

Experiment-5 Lab Exercise 5— Terraform Variables with Command Line Arguments

1. Use Command Line Arguments:

```
variables.tf > % variable "instance_type"

1  variable "ami" {
2   | description = "AWS ami"
3   | default = ""
4  }
5  variable "region" {
6   | description = "AWS region"
7   | default = ""
8  }
9  variable "instance_type" {
10   | description = "AWS Instance Type"
11  | default = ""
12 }
```

```
PS C:\Users\pulki\OneDrive\Desktop\Terraform\Lab\Lab-2> terraform init

Initializing the backend...

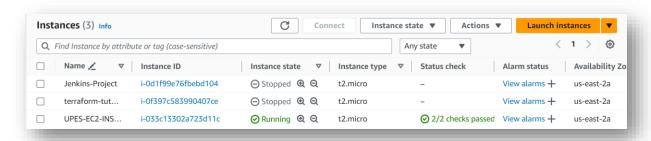
Initializing provider plugins...

- Reusing previous version of hashicorp/aws from the dependency lock file

- Using previously-installed hashicorp/aws v5.31.0

Terraform has been successfully initialized!
```

2. Test and Verify:



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3. Clean Up:

```
# aws_instance.Siddharth-ec2 will be d
  resource
               "aws_instance"
                                  "Siddharth-ec2" {
                                                        = "ami-05fb0b8c1424f266b" -> null
       ami
                                                          "arn:aws:ec2:us-east-2:375913183126:instance/i-06fdaa02802665bc8" -> null
       associate_public_ip_address
availability_zone
                                                          true -> null
"us-east-2c" -> null
       cpu_core_count
        cpu_threads_per_core
       disable_api_stop
disable_api_termination
ebs_optimized
                                                        = false -> null
= false -> null
                                                           false -> null
       get_password_data
hibernation
                                                          false -> null
"i-06fdaa02802665bc8" -> null
                                                        = "stop" -> null
= "running" -> null
= "t2.micro" -> null
       instance initiated shutdown behavior =
       instance_state
        instance_type
                                                       = 0 -> null
= [] -> null
= false -> null
= 0 -> null
       ipv6_address_count
ipv6_addresses
       monitoring
placement_partition_number
                                                           "eni-090464c8e2e8913e8" -> null
       primary_network_interface_id
                                                        = "ip-172-31-38-180.us-east-2.compute.internal" -> null
= "172.31.38.180" -> null
       private_dns
       private_ip
public dns
                                                        = "ec2-3-134-115-199.us-east-2.compute.amazonaws.com" -> null
       public_ip
                                                        = "3.134.115.199"
                                                        = [] -> null
= [
        secondary_private_ips
       security_groups
- "default",
        source_dest_check
                                                        = true -> null
```

```
aws_instance.Siddharth-ec2: Destroying... [id=i-06fdaa02802665bc8]
aws_instance.Siddharth-ec2: Still destroying... [id=i-06fdaa02802665b
aws_instance.Siddharth-ec2: Still destroying... [id=i-06fdaa02802665b
aws_instance.Siddharth-ec2: Still destroying... [id=i-06fdaa02802665b
aws_instance.Siddharth-ec2: Destruction complete after 32s

Destroy complete! Resources: 1 destroyed.
PS D:\SEMESTER 6\System Pro LAB\SPCM-LAB-JAN-JUNE-2024\aws-terraform-
```