Lab Exercise 5– Terraform Variables with Command Line Arguments

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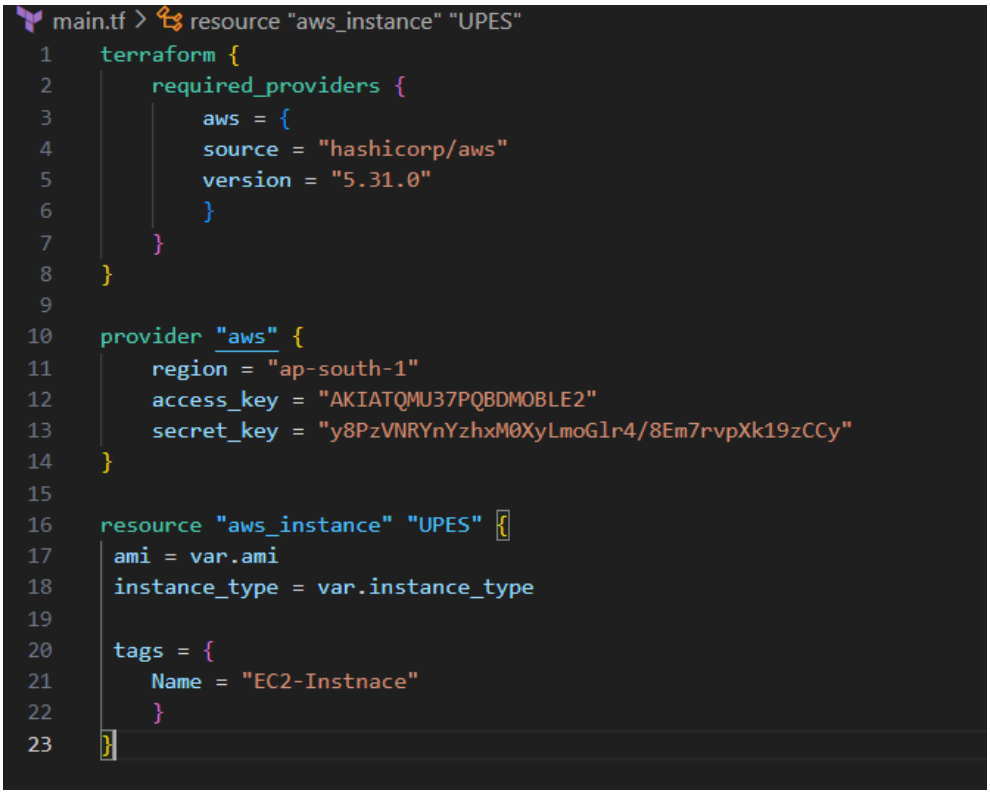
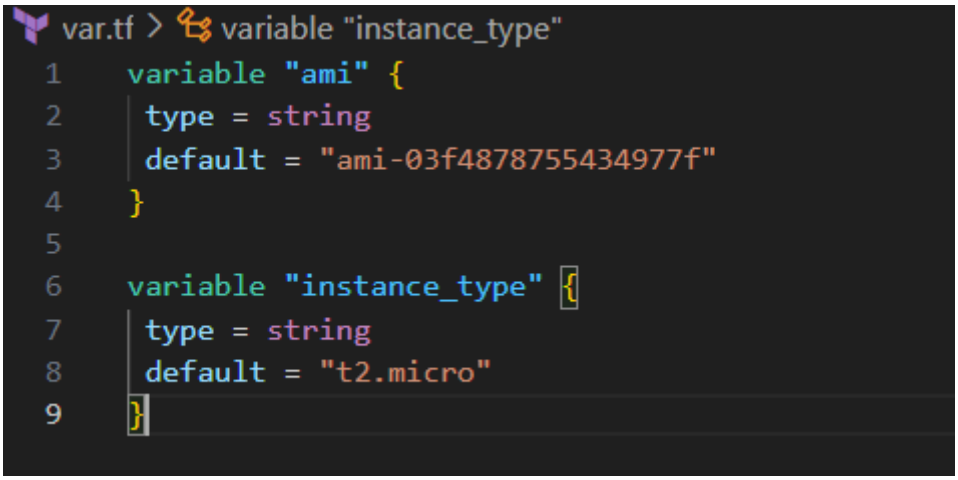
B. Tech. CSE-DevOps – B1, 6th SEM

1. Create Terraform Configuration File:



2. Define Variables



3. Use Command Line Arguments

```
PS D:\DevOps\LAB\SPCM\TERRAFORM-SCRIPTS> terraform plan -var 'ami=ami-0449c34f967dbf18a' -var 'instance_type=t2.micro'

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
  + create

Terraform will perform the following actions:

  # aws_instance.UPES will be created
  + resource "aws_instance" "UPES" {
      + ami                                  = "ami-0449c34f967dbf18a"
      + arn                                  = (known after apply)
      + associate_public_ip_address          = (known after apply)
      + availability_zone                    = (known after apply)
      + cpu_core_count                       = (known after apply)
      + cpu_threads_per_core                 = (known after apply)
      + disable_api_stop                     = (known after apply)
      + disable_api_termination              = (known after apply)
      + ebs_optimized                        = (known after apply)
      + get_password_data                    = false
      + host_id                              = (known after apply)
      + host_resource_group_arn              = (known after apply)
      + iam_instance_profile                 = (known after apply)
      + id                                   = (known after apply)
      + instance_initiated_shutdown_behavior = (known after apply)
      + instance_lifecycle                   = (known after apply)
      + instance_state                       = (known after apply)
      + instance_type                        = "t2.micro"
      + ipv6_address_count                   = (known after apply)
```

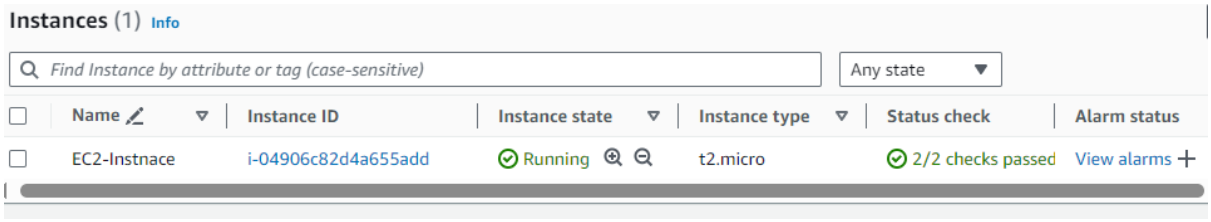
```
PS D:\DevOps\LAB\SPCM\TERRAFORM-SCRIPTS> terraform apply -var 'ami=ami-0449c34f967dbf18a' -var 'instance_type=t2.micro' -auto-approve

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
  + create

Terraform will perform the following actions:

  # aws_instance.UPES will be created
  + resource "aws_instance" "UPES" {
      + ami                                  = "ami-0449c34f967dbf18a"
      + arn                                  = (known after apply)
      + associate_public_ip_address          = (known after apply)
      + availability_zone                    = (known after apply)
      + cpu_core_count                       = (known after apply)
      + cpu_threads_per_core                 = (known after apply)
      + disable_api_stop                     = (known after apply)
      + disable_api_termination              = (known after apply)
      + ebs_optimized                        = (known after apply)
      + get_password_data                    = false
      + host_id                              = (known after apply)
      + host_resource_group_arn              = (known after apply)
      + iam_instance_profile                 = (known after apply)
      + id                                   = (known after apply)
      + instance_initiated_shutdown_behavior = (known after apply)
      + instance_lifecycle                   = (known after apply)
      + instance_state                       = (known after apply)
      + instance_type                        = "t2.micro"
```

4. Check Console



5. Clean Up

```
          - volume_size           = 8 -> null
          - volume_type           = "gp3" -> null
        }
    }

Plan: 0 to add, 0 to change, 1 to destroy.
aws_instance.UPES: Destroying... [id=i-04906c82d4a655add]
aws_instance.UPES: Still destroying... [id=i-04906c82d4a655add, 10s elapsed]
aws_instance.UPES: Still destroying... [id=i-04906c82d4a655add, 20s elapsed]
aws_instance.UPES: Still destroying... [id=i-04906c82d4a655add, 30s elapsed]
aws_instance.UPES: Destruction complete after 30s

Destroy complete! Resources: 1 destroyed.
PS D:\DevOps\LAB\SPCM\TERRAFORM-SCRIPTS>
```