SPCM LAB

Gopika Jhanwar 500093662 R2142210318 Btech cse devops B2 Lab Exercise 5– Terraform Variables with Command Line Arguments

- Create a Terraform Directory: mkdir terraform-cli-variables cd terraform-cli-variables
- 2. Create Terraform Configuration Files:
 - Create a file named main.tf:

Create a file named variables.tf:

```
terraform-cli-variables >  variable.tf

1  variable "region" {
2   description = "AWS region"
3   default = "us-west-2"
4  }
5
6  variable "ami" {
7   description = "AMI ID"
8   default = "ami-052c9ea013e6e3567"
9  }
10
11  variable "instance_type" {
12   description = "EC2 Instance Type"
13   default = "t2.small"
14  }
```

3. Use Command Line Arguments: terraform init

```
PS D:\6 th sem\SPCM\SPCM LAB\teraform lab files\terraform-cli-variable s> terraform init

Initializing the backend...

Initializing provider plugins...
- Finding latest version of hashicorp/aws...
- Installing hashicorp/aws v5.38.0...
- Installed hashicorp/aws v5.38.0 (signed by HashiCorp)

Terraform has created a lock file .terraform.lock.hcl to record the provider selections it made above. Include this file in your version control re pository so that Terraform can guarantee to make the same selections by default when you run "terraform init" in the future.

Terraform has been successfully initialized!
```

terraform apply -var 'region=us-east-1' -var 'ami=ami-0440d3b780d96b29d' -var 'instance_type=t2.micro

```
PS D:\6 th sem\SPCM\SPCM LAB\teratorm lab tiles\terratorm-cli-variable
s> terraform apply -var 'region=us-east-1' -var 'ami=ami-0440d3b780d96
b29d' -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.example will be created
  + resource "aws_instance" "example" {
                                             = "ami-0440d3b780d96b29d"
      + ami
                                             = (known after apply)
      + arn
      + associate public ip address
                                             = (known after apply)
```

```
Plan: 1 to add, 0 to change, 0 to destroy.

Do you want to perform these actions?

Terraform will perform the actions described above.
Only 'yes' will be accepted to approve.

Enter a value: yes

aws_instance.example: Creating...
aws_instance.example: Still creating... [10s elapsed]
aws_instance.example: Still creating... [20s elapsed]
aws_instance.example: Still creating... [30s elapsed]
aws_instance.example: Creation complete after 37s [id=i-0a9f5e2956f4e3
25f]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
PS D:\6 th sem\SPCM\SPCM\SPCM LAB\teraform lab files\terraform-cli-variable
```

4. Test and Verify:



5. Clean Up:



