

EXPERIMENT – 2

Lab Exercise 2– Terraform AWS Provider and IAM User Setting

Step 1: Create a New Directory:

Create a new directory for your Terraform configuration:

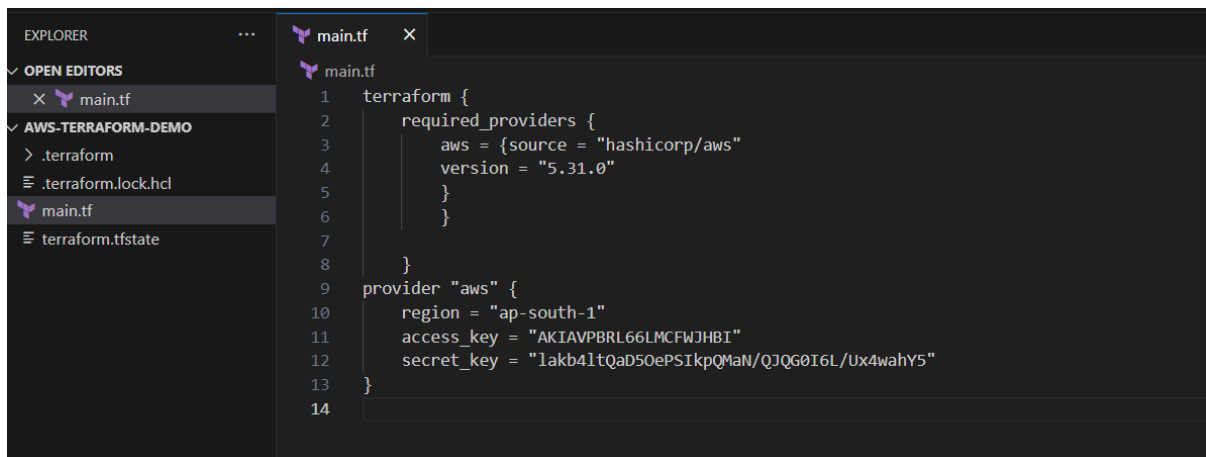
```
mkdir aws-terraform-demo
```

```
cd aws-terraform-demo
```

Step 2:

Create Terraform Configuration File (main.tf):

Create a file named main.tf with the following content:



```
1 terraform {
2   required_providers {
3     aws = {source = "hashicorp/aws"
4           version = "5.31.0"
5         }
6   }
7 }
8
9 provider "aws" {
10   region = "ap-south-1"
11   access_key = "AKIAVPBRL66LMCFWJHBI"
12   secret_key = "lakb41tQaD50ePSIkPQMaN/QJQG0I6L/Ux4wahY5"
13 }
14
```

Step 3: Initialize Terraform: Run the following command to initialize your Terraform working directory: terraform init

```
PS D:\SEMESTER 6\System Pro LAB\SPCM-LAB-JAN-JUNE-2024\aws-terraform-demo> 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!
```

```
You may now begin working with Terraform. Try running "terraform plan" to see any changes that are required for your infrastructure. All Terraform commands should now work.
```

```
If you ever set or change modules or backend configuration for Terraform, rerun this command to reinitialize your working directory. If you forget, other commands will detect it and remind you to do so if necessary.
```