School of Computer Science

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

DEHRADUN, UTTARAKHAND

System Monitoring and Configuration Management

Lab File

(2024)

for

6th Semester

Submitted To:

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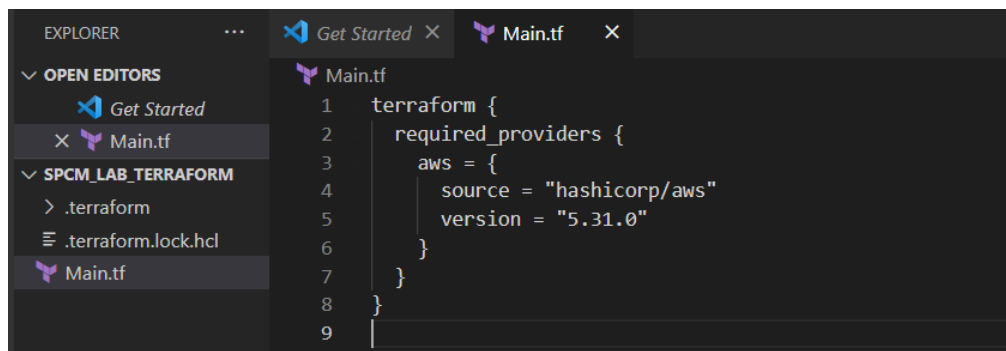
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LAB EXERCISE 2

Aim: Terraform AWS Provider and IAM User Setting

```
C:\Users\eksha>mkdir terraform

C:\Users\eksha>cd terraform

C:\Users\eksha\terraform>
```

Step 1: Create Terraform Configuration File (main.tf)


```
Main.tf
1    terraform {
2      required_providers {
3        aws = {
4          source = "hashicorp/aws"
5          version = "5.31.0"
6        }
7      }
8    }
9
```

Step 3: Initialize Terraform:

```
F:\SEM 6\SPCM_LAB\SPCM_LAB_TERRAFORM>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.

F:\SEM 6\SPCM_LAB\SPCM_LAB_TERRAFORM>terraform validate
Success! The configuration is valid.
```