SYSTEM PROVISIONING AND CONFIGURATION MANAGEMENT LAB

Lab File
(2023-2024)

for

6th Semester

Submitted To

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Exercise 2– Terraform AWS Provider and IAM User Setting

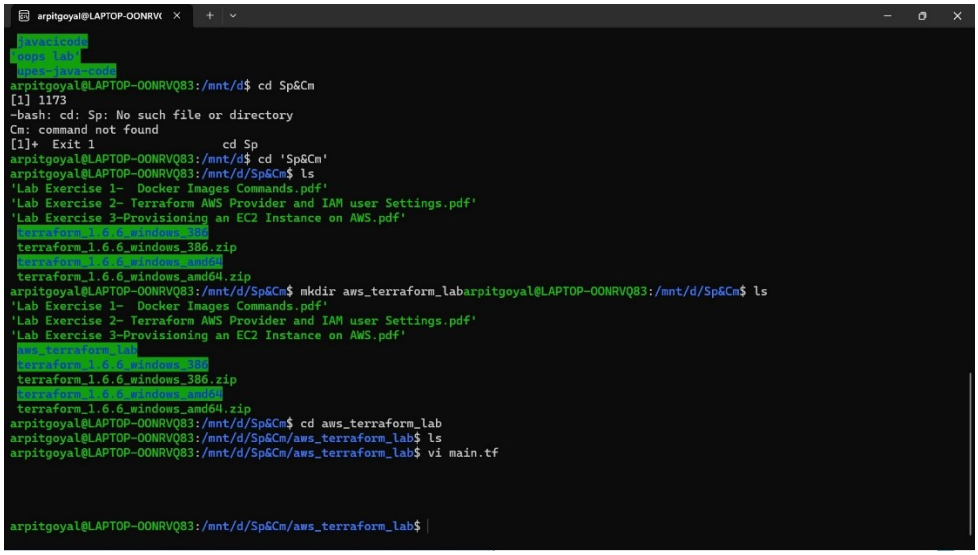
Prerequisites: Terraform Installed: Make sure you have Terraform installed on your machine.

AWS Credentials: Ensure you have AWS credentials (Access Key ID and Secret Access Key) configured. You can set them up using the AWS CLI or by setting environment variables.

Exercise Steps:

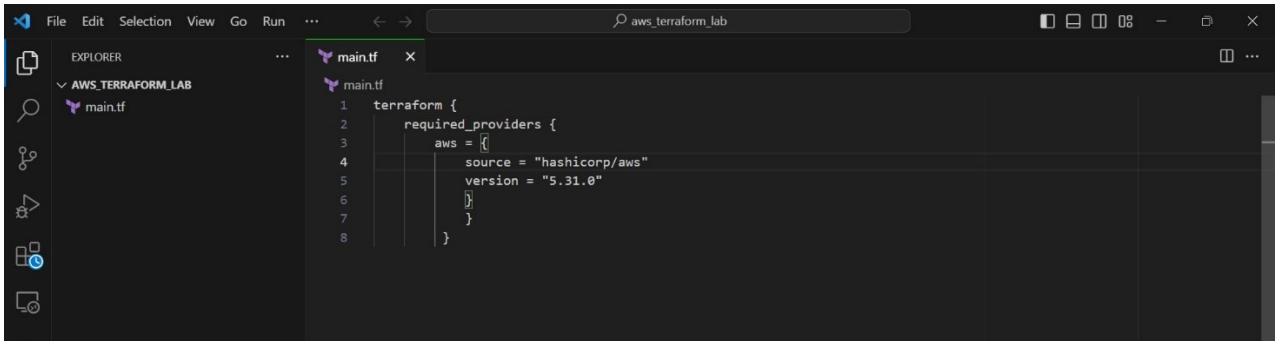
Step 1: Create a New Directory:

Create a new directory for your Terraform configuration:



Step 2: Create Terraform Configuration File (main.tf):

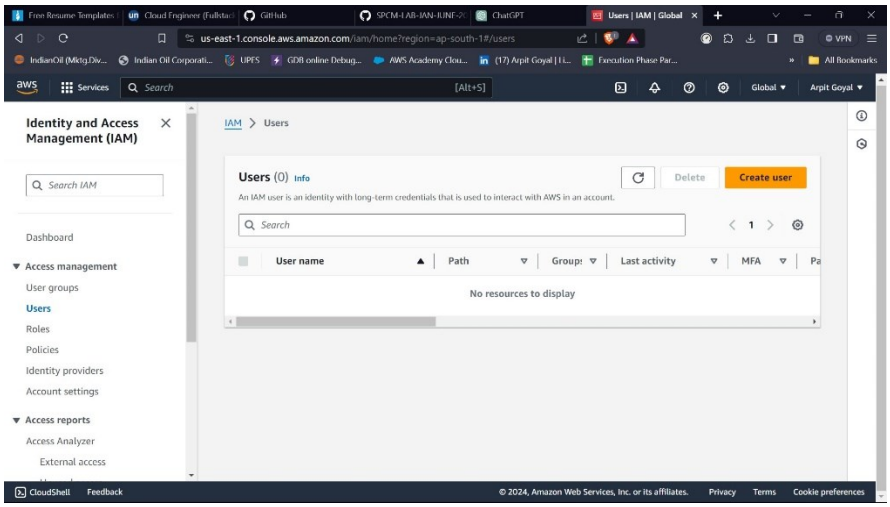
Create a file named main.tf with the following content:



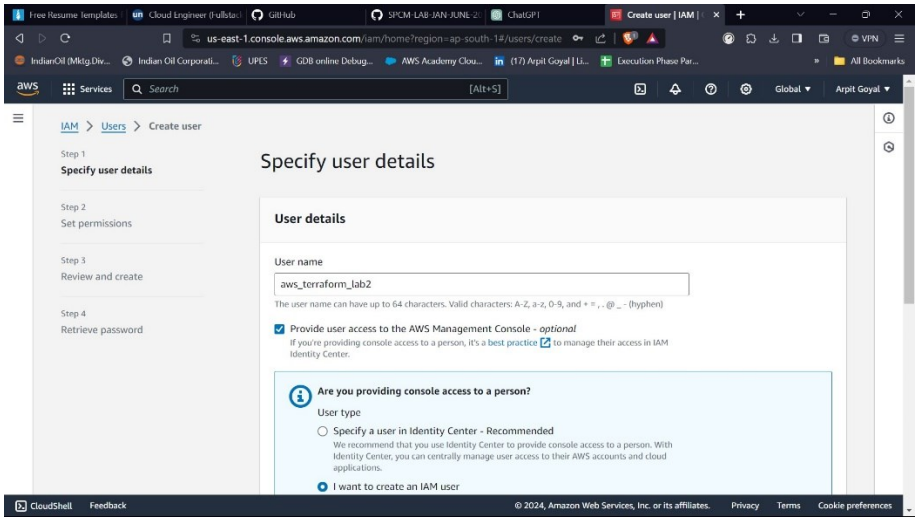
This script defines an AWS provider and provisions an EC2 instance.

Step 3: Create an IAm user on your aws account.

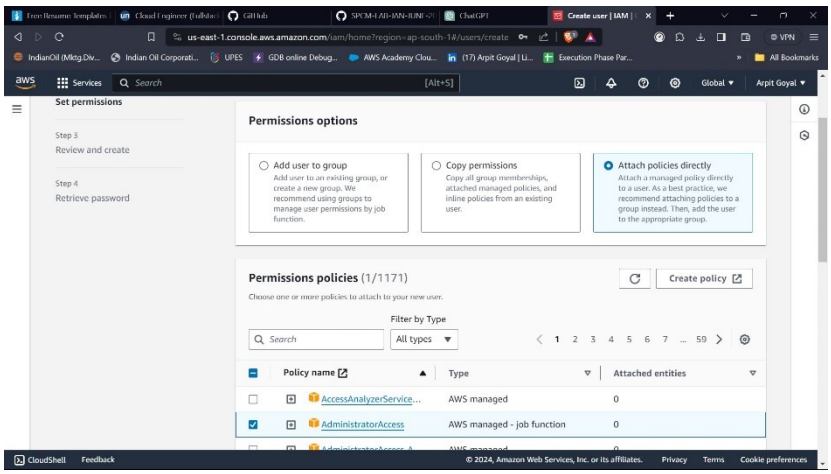
Go to IAM -> Users, click on create user.



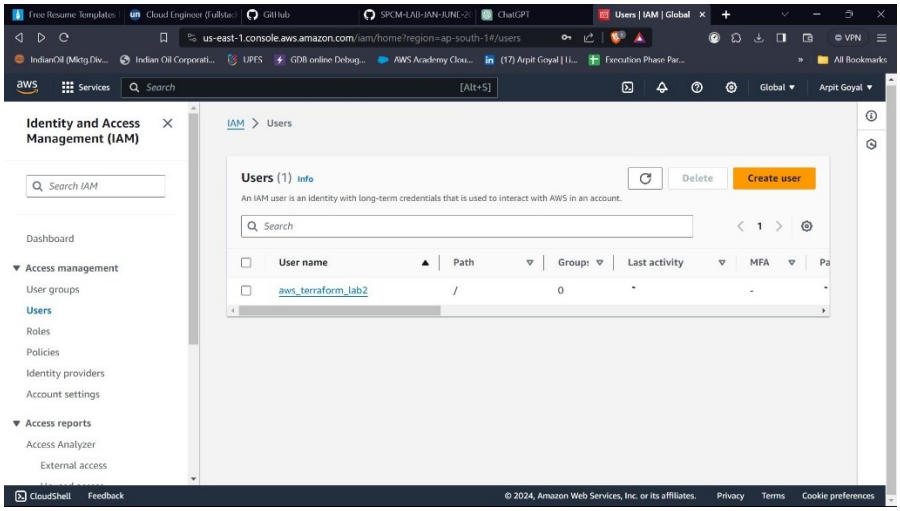
Follow the 4 steps asked :



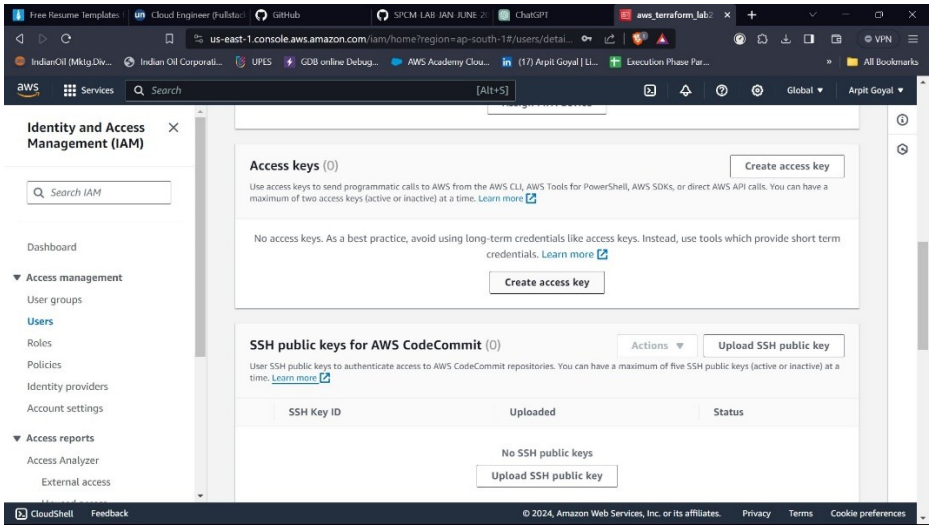
Set Permission:



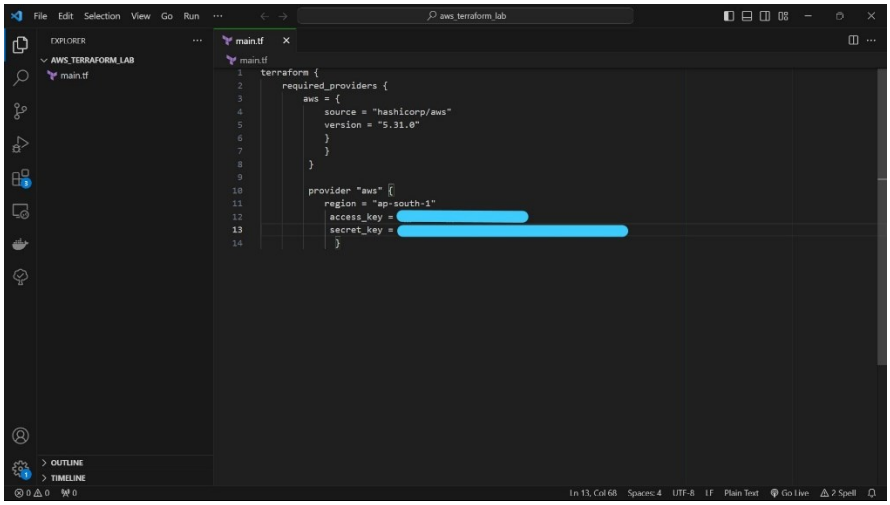
After Following all the steps an IAM user is created:



Now create the access keys of the User created :



Now add the access key and secret access key in the main.tf file created.



Step 4: Initialize Terraform:
Run the following command to initialize your Terraform working directory: