# Lab Exercise 3– Terraform IAM User Setting

**Prerequisites: Terraform Installed: Make sure you have Terraform installed on your machine. Follow the official installation guide if needed.**

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:**

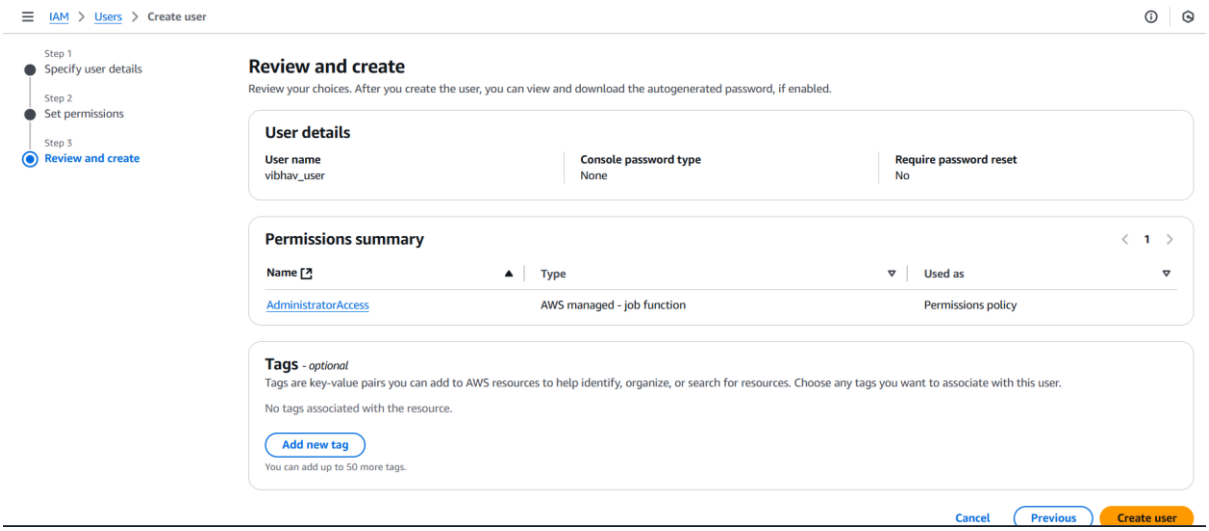
**Step 1: Create a New Directory:**

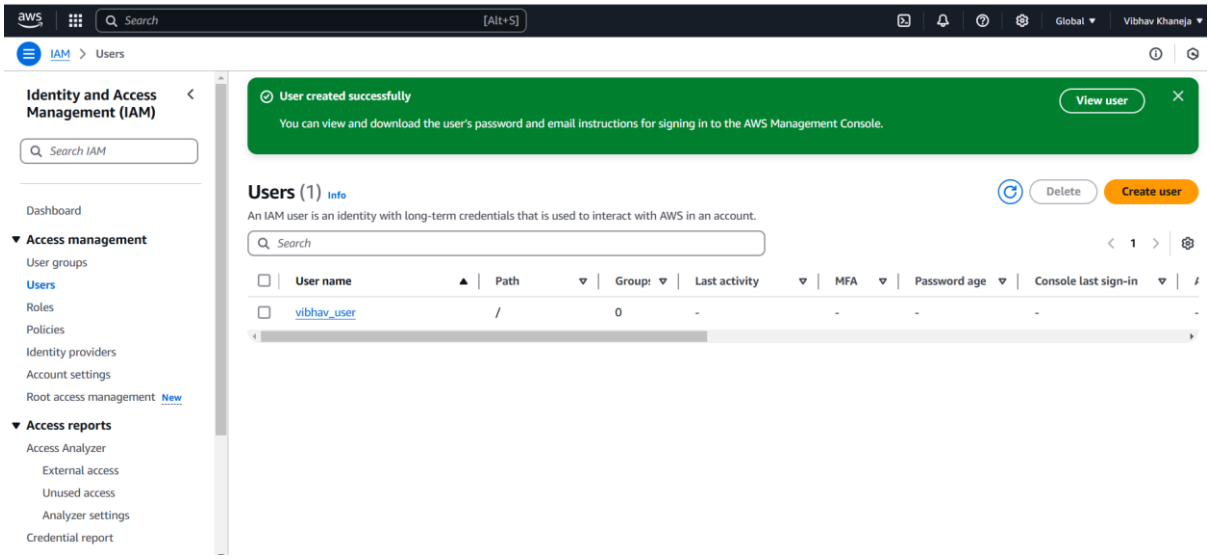
Create a new directory for your Terraform configuration:

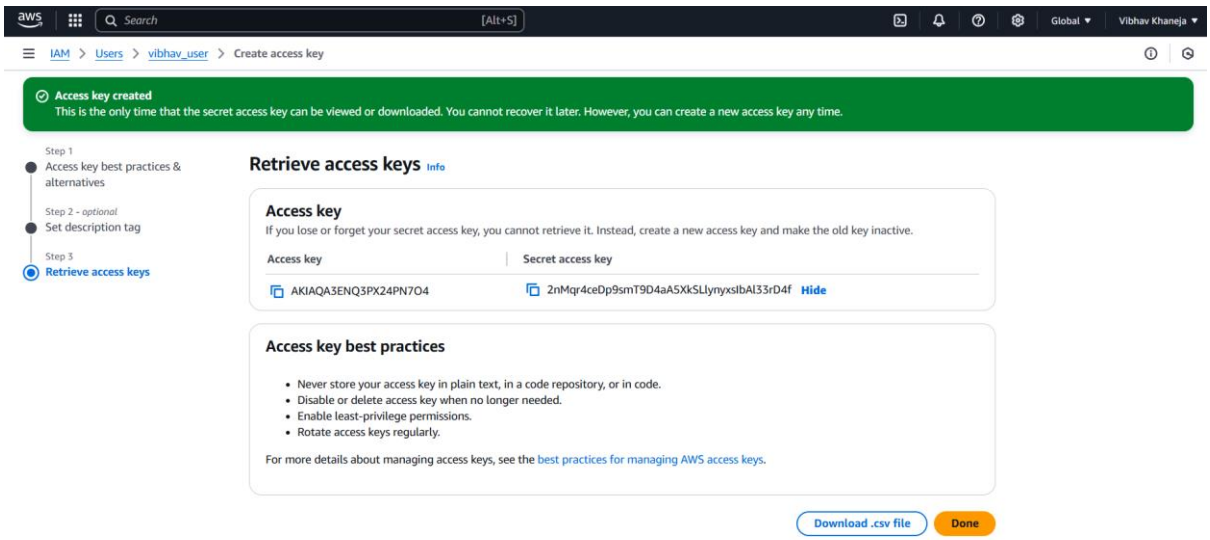
**"Terraform-Demo"**

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

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



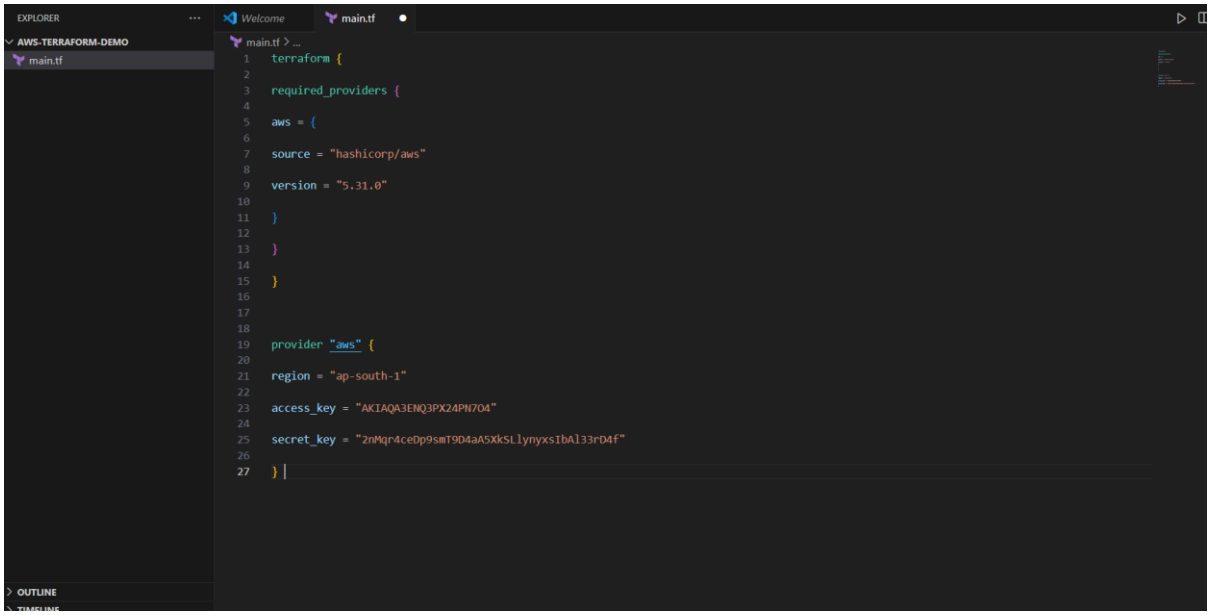



```
terraform {
 required_providers {
  aws = {
   source = "hashicorp/aws"
   version = "5.31.0"
  }
 }
```

```
}
```

```
provider "aws" {
  region     = "ap-south-1"
  access_key = "your IAM access key"
  secret_key = "your secret access key"
}
```

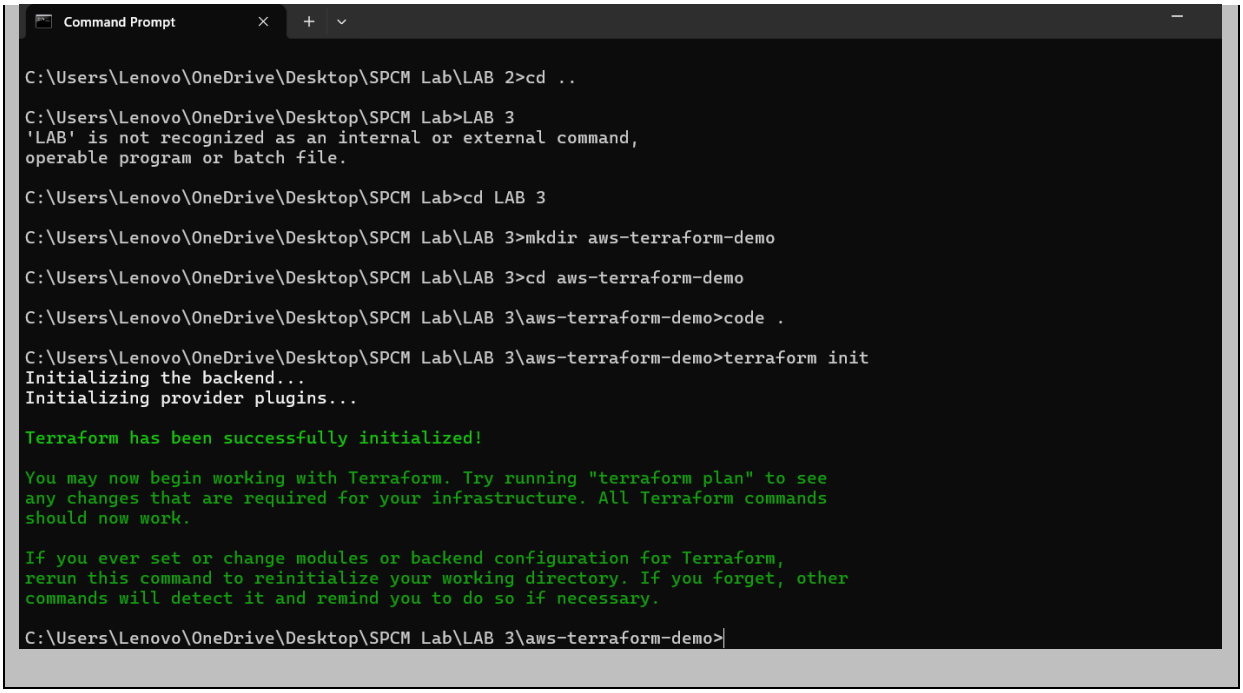



This script defines an AWS provider and provisions an EC2 instance.

**Step 3: Initialize Terraform:**

Run the following command to initialize your Terraform working directory:

```
terraform init
```


Command Prompt
C:\Users\Lenovo\OneDrive\Desktop\SPCM Lab\LAB 2>cd ..
C:\Users\Lenovo\OneDrive\Desktop\SPCM Lab>LAB 3
'LAB' is not recognized as an internal or external command,
operable program or batch file.
C:\Users\Lenovo\OneDrive\Desktop\SPCM Lab>cd LAB 3
C:\Users\Lenovo\OneDrive\Desktop\SPCM Lab\LAB 3>mkdir aws-terraform-demo
C:\Users\Lenovo\OneDrive\Desktop\SPCM Lab\LAB 3>cd aws-terraform-demo
C:\Users\Lenovo\OneDrive\Desktop\SPCM Lab\LAB 3\aws-terraform-demo>code .
C:\Users\Lenovo\OneDrive\Desktop\SPCM Lab\LAB 3\aws-terraform-demo>terraform init
Initializing the backend...
Initializing provider plugins...
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.
C:\Users\Lenovo\OneDrive\Desktop\SPCM Lab\LAB 3\aws-terraform-demo>