

School of Computer Science, UPES, Dehradun.

Lab 12

DevSecOps Lab

B.TECH. - V Semester

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**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"

    }

  }

}

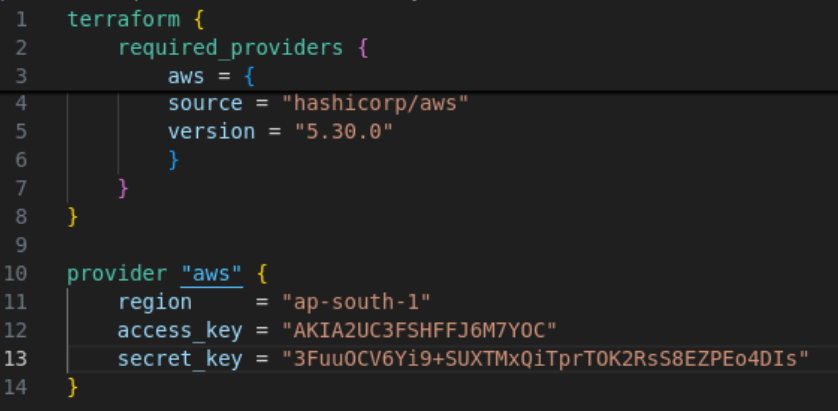
provider "aws" {

  region     = "ap-south-1"

  access\_key = "your IAM access key"

  secret\_key = "your secret access key"

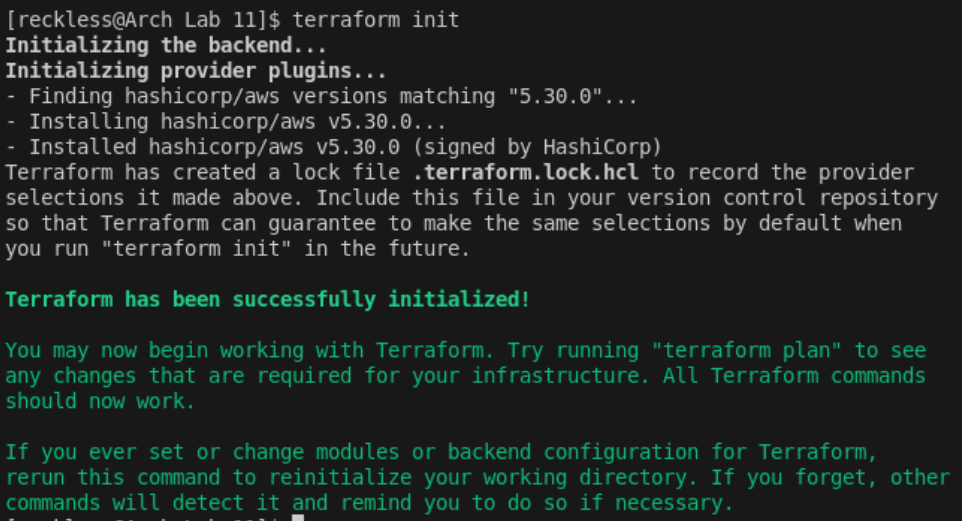
}



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