
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

LAB_12 > main12.tf > terraform > required_providers > aws > version

```
1 terraform {
2   required_providers {
3     aws = {
4       source = "hashicorp/aws"
5       version = "5.31.0"
6     }
7   }
8 }
9 provider "aws" {
10   region = "ap-south-1"
11   access_key = "AKIAZIQKCFIIFT3ZWSKF"
12   secret_key = "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"
13 }
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

zsh - LAB_12

- mohdanas@Mohds-MacBook-Air TERRAFORM % ls
LAB_12 LAB_13 LAB_14 LAB17
- mohdanas@Mohds-MacBook-Air TERRAFORM % cd LAB_12
- mohdanas@Mohds-MacBook-Air LAB_12 % 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.
- mohdanas@Mohds-MacBook-Air LAB_12 %