

# Experiment 2

## Terraform AWS Provider and

## IAM User Settings

### Prerequisites

Terraform Installed & AWS Credentials.

### Aim

Setup Terraform AWS Provider and IAM User Settings

### Steps

1. Create a new directory

```
→ Experiments mkdir Exp2
→ Experiments ls
Exp2
→ Experiments cd Exp2 && code .
→ Exp2
```

2. Create Terraform Configuration File (main.tf) & Add IAM AccessKey & Secret Keys

```
main.tf
1 terraform {
2   required_providers {
3     aws = {
4       source = "hashicorp/aws"
5       version = "5.31.0"
6     }
7   }
8 }
9
10 provider "aws" {
11   region = "ap-south-1"
12   access_key = "
13   secret_key = "
14 }
```

### 3. Initialize Terraform to create your Terraform working directory

● → Exp2 terraform init

Initializing the backend...

Initializing provider plugins...

- Finding hashicorp/aws versions matching "5.31.0"...
- Installing hashicorp/aws v5.31.0...
- Installed hashicorp/aws v5.31.0 (signed by HashiCorp)

Terraform has created a lock file `.terraform.lock.hcl` to record the provider selections it made above. Include this file in your version control repository so that Terraform can guarantee to make the same selections by default when you run "terraform init" in the future.

**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.

○ → Exp2 █