System Provisioning and Configuration Management Lab

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Batch - 3

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   }
15
```

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 ▌
```