

# SYSTEM PROVISIONING AND CONFIGURATION MANAGEMENT LAB

Lab File (2023-2024)

for

6<sup>th</sup> Semester

### **Submitted To**

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## Exercise 7— Creating Multiple IAM Users in Terraform

#### Objective:

Learn how to use Terraform to create multiple IAM users with unique settings.

#### Prerequisites:

- Terraform installed on your machine.
- AWS CLI configured with the necessary credentials.

#### Steps:

1. Create a Terraform Directory:

Create Terraform Configuration Files:

•Create a file named main.tf:

2. Initialize and Apply:

```
■ → Exp7 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 used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:

+ create

Terraform will perform the following actions:

# aws_iam_user.iam_users[0] will be created
```

#### 3. Verify Users in AWS Console:



#### 4. Update IAM Users:

- If you want to add or remove IAM users, modify the iam users list in the main.tf file.
- Rerun the terraform apply command to apply the changes:



#### 5. Clean Up:

```
Do you really want to destroy all resources?

Terraform will destroy all your managed infrastructure, as shown above.

There is no undo. Only 'yes' will be accepted to confirm.

Enter a value: yes

aws_iam_user.iam_users[0]: Destroying... [id=ayroid]
aws_iam_user.iam_users[1]: Destroying... [id=user1]
aws_iam_user.iam_users[1]: Destruction complete after 7s
aws_iam_user.iam_users[0]: Destruction complete after 7s

Destroy complete! Resources: 2 destroyed.

→ Exp7
```