SPCM LAB-7

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

· Create two files, main.tf and run the commands terraform init

```
gauravbhandari@gauravs-Air-2 System-provisioning % 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!
```

· Create another file named i_am_users.tf

```
i_am_users.tf X

i_am_users.tf > ...

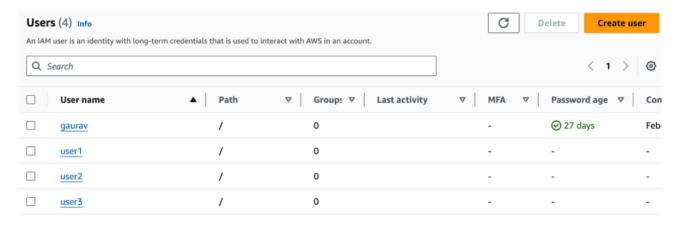
    resource "aws_iam_user" "my_iam_user" {
        count = length(var.iam_users)
        name = var.iam_users[count.index]

        tags = {
            Name = "${var.iam_users[count.index]}-upes"
        }

        variable "iam_users" {
            type = list(string)
            default = ["user1", "user2", "user3"]
        }
}
```

Run the command terraform apply -auto-approve

• Check the aws console and verify the creation of required resources.



• After successful experimentation run terraform apply -auto-approve to destroy the resources.

```
• gauravbhandari@gauravs-Air-2 aws-terraform-demo % terraform destroy -auto-approve
aws_iam_user.my_iam_user[0]: Refreshing state... [id=user1]
aws_iam_user.my_iam_user[2]: Refreshing state... [id=user3]
aws_iam_user.my_iam_user[1]: Refreshing state... [id=user2]

Plan: 0 to add, 0 to change, 3 to destroy.
aws_iam_user.my_iam_user[1]: Destroying... [id=user2]
aws_iam_user.my_iam_user[2]: Destroying... [id=user3]
aws_iam_user.my_iam_user[0]: Destroying... [id=user1]
aws_iam_user.my_iam_user[1]: Destruction complete after 2s
aws_iam_user.my_iam_user[2]: Destruction complete after 2s
aws_iam_user.my_iam_user[0]: Destruction complete after 2s
aws_iam_user.my_iam_user[0]: Destruction complete after 2s
```