Lab Exercise 3–Provisioning an EC2 Instance on

Step 1: Create a terraform configuration file for EC2 instance (instance.tf)

Create a file named instnace.tf with the following content:

Step 2: Review Plan

Run the following command to see what Terraform will do:

Step 3: Apply changes

Apply the changes to create the AWS resources:

```
Plan: 1 to add, 0 to change, 0 to destroy.

Do you want to perform these actions?

Terraform will perform the actions described above.

Only 'yes' will be accepted to approve.

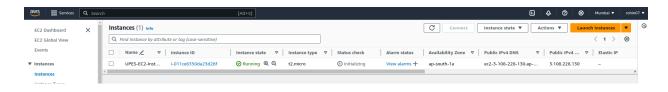
Enter a value: yes

aws_instance.My-instance[0]: Creating...
aws_instance.My-instance[0]: Still creating... [10s elapsed]
aws_instance.My-instance[0]: Still creating... [20s elapsed]
aws_instance.My-instance[0]: Creation complete after 22s [id=i-011ce6350da23d28f]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
rohin@victus:~/UPES/Sem_6/SPCM/Terraform$
```

Step 4: Verify Resources

After the terraform apply command completes, log in to your AWS Management Console and navigate to the EC2 dashboard. Verify that the EC2 instance has been created.



Step 5 Cleanup Resources

When you are done experimenting, run the following command to destroy the created resources:

```
+ rohm@wcdus:~/UPES/Sem_6/SPCM/Terraforms terraform destroy
aws_instance.Wy-instance[0]: Refreshing state... [id=1-011ce0350da23d28f]

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
destroy

Terraform will perform the following actions:

# aws_instance.My-instance[0] will be destroyed

resource "aws_instance" "My-instance"

and

= "ami-03f4878755434977f" → mull

associate public ip_address

= "ami-assise22:ap-south-1:439533254892:instance/1-011ce0350da23d28f" → mull

availability_zone

= "ap-south-1a" → mull
```

```
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_instance.My-instance[0]: Destroying... [id=i-011ce6350da23d28f]

aws_instance.My-instance[0]: Still destroying... [id=i-011ce6350da23d28f, 10s elapsed]

aws_instance.My-instance[0]: Still destroying... [id=i-011ce6350da23d28f, 20s elapsed]

aws_instance.My-instance[0]: Still destroying... [id=i-011ce6350da23d28f, 30s elapsed]

aws_instance.My-instance[0]: Destruction complete after 31s

Destroy complete! Resources: 1 destroyed.

rohin@victus:~/UPES/Sem_6/SPCM/Terraform$
```