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Lab Exercise 3 – Provisioning an EC2 Instance on AWS

Prerequisites: Terraform Installed: Make sure you have Terraform installed on your machine. Follow the official installation guide if needed. AWS Credentials: Ensure you have AWS credentials (Access Key ID and Secret Access Key) configured. You can set them up using the AWS CLI or by setting environment variables.

Step 1 (continued after 3 steps of previous Exercise)

```
main.tf

instance.tf U x

instance.tf

resource "aws_instance" "My-instance" {
    instance_type = "t2.micro"
    ami = "ami-0449c34f967dbf18a"
    count = 1
    tags = {
        Name = "UPES-EC2-Instnace"
    }
}
```

Step 2

Step 3

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

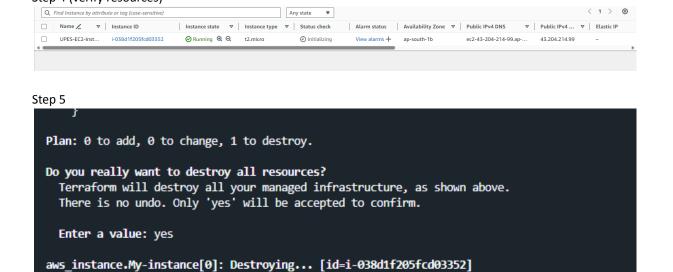
Do you want to perform these actions?

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-038d1f205fcd03352]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
PS D:\Sem 6 DevOps\SPCM\Lab\My Lab Files and PDFS\aws-terraform-demo> []
```



Step 4 (verify resources)