System Provisioning and Configuration Management Lab

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Batch - 3

Experiment 2

Prerequisites

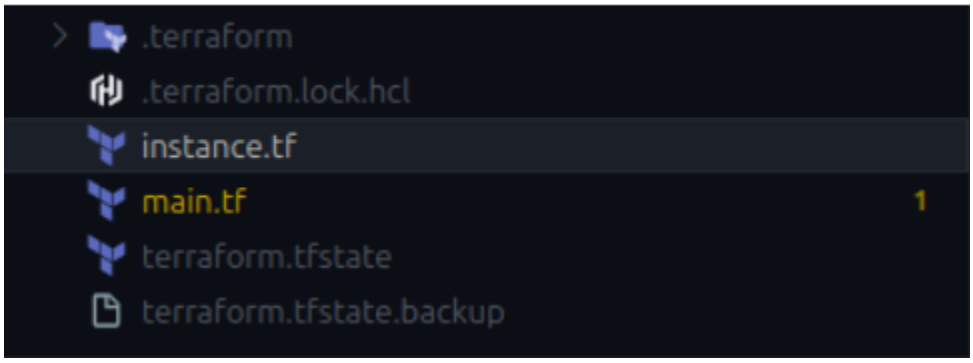
Terraform Installed & AWS Credentials.

Aim

Provisioning an EC2 Instance on AWS

Steps

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




```
instance.tf
1  resource "aws_instance" "Ayroid-ec2" {
2      instance_type = "t2.micro"
3      ami = "ami-03f4878755434977f"
4      count = 1
5
6      tags = {
7          Name = "Exp3-Instance"
8      }
9  }
```

2. Validate the configuration

```
→  Exp2  terraform validate
Success! The configuration is valid.
```

3. Review Plan

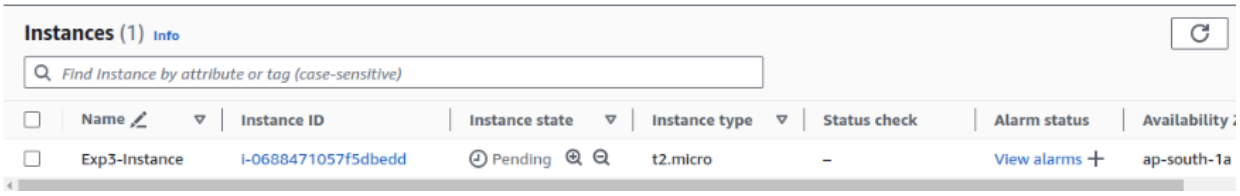
```
Exp2  terraform plan

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_instance.Ayroid-ec2[0] will be created
  + resource "aws_instance" "Ayroid-ec2" {
```

4. Terraform Apply

```
Exp2  terraform apply

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_instance.Ayroid-ec2[0] will be created
  + resource "aws_instance" "Ayroid-ec2" {
      + ami                                  = "ami-03f4878755434977f"
```

```
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.Ayroid-ec2[0]: Creating...
aws_instance.Ayroid-ec2[0]: Still creating... [10s elapsed]
aws_instance.Ayroid-ec2[0]: Still creating... [20s elapsed]
aws_instance.Ayroid-ec2[0]: Still creating... [30s elapsed]
aws_instance.Ayroid-ec2[0]: Creation complete after 34s [id=i-0688471057f5dbedd]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
```

5. Verify Resources



6. Cleanup Resources