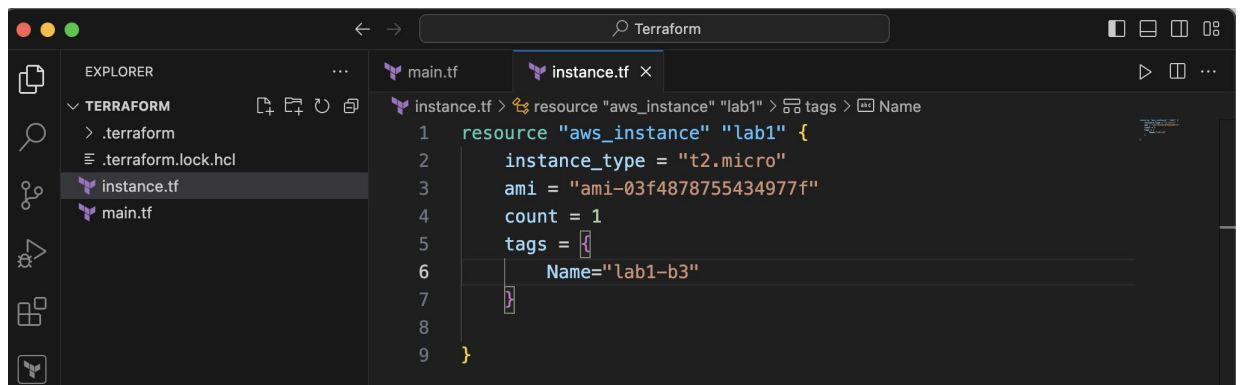


LAB-3

Provisioning on EC2 Instance on AWS

Step 1: Create Terraform configuration file for EC2 instance



Step 2: Review Plan –

```
pulkitkathayat@192 Terraform % 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.lab1[0] will be created

```
+ resource "aws_instance" "lab1" {  
  + ami                                = "ami-03f4878755434977f"  
  + arn                                = (known after apply)  
  + associate_public_ip_address       = (known after apply)  
  + availability_zone                  = (known after apply)  
  + cpu_core_count                     = (known after apply)  
  + cpu_threads_per_core               = (known after apply)  
  + disable_api_stop                   = (known after apply)  
  + disable_api_termination            = (known after apply)  
  + ebs_optimized                      = (known after apply)  
  + get_password_data                  = false  
  + host_id                            = (known after apply)  
  + host_resource_group_arn            = (known after apply)  
  + iam_instance_profile                = (known after apply)  
  + id                                 = (known after apply)  
  + instance_initiated_shutdown_behavior = (known after apply)  
  + instance_lifecycle                 = (known after apply)  
  + instance_state                     = (known after apply)  
  + instance_type                      = "t2.micro"  
  + ipv6_address_count                 = (known after apply)  
  + ipv6_addresses                     = (known after apply)  
  + key_name                           = (known after apply)  
  + monitoring                         = (known after apply)  
  + outpost_arn                        = (known after apply)  
  + password_data                      = (known after apply)  
  + placement_group                    = (known after apply)  
  + placement_partition_number         = (known after apply)  
  + primary_network_interface_id       = (known after apply)  
  + private_dns                        = (known after apply)  
  + private_ip                         = (known after apply)  
  + public_dns                         = (known after apply)  
  + public_ip                          = (known after apply)  
  + secondary_private_ips               = (known after apply)  
  + security_groups                    = (known after apply)  
  + source_dest_check                  = true  
  + spot_instance_request_id           = (known after apply)  
  + subnet_id                          = (known after apply)  
  + tags                               = {  
    + "Name" = "lab1-b3"  
  }  
  + tags_all                           = {  
    + "Name" = "lab1-b3"  
  }  
  + tenancy                            = (known after apply)  
  + user_data                          = (known after apply)  
  + user_data_base64                   = (known after apply)  
  + user_data_replace_on_change        = false  
  + vpc_security_group_ids             = (known after apply)  
}
```

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

Step 3: Apply Changes

```
pulkitkathayat@192 Terraform % 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.lab1[0] will be created
+ resource "aws_instance" "lab1" {
  + ami                        = "ami-03f4878755434977f"
  + arn                      = (known after apply)
  + associate_public_ip_address = (known after apply)
  + availability_zone         = (known after apply)
  + cpu_core_count            = (known after apply)
  + cpu_threads_per_core      = (known after apply)
  + disable_api_stop          = (known after apply)
  + disable_api_termination   = (known after apply)
  + ebs_optimized              = (known after apply)
  + get_password_data         = false
  + host_id                   = (known after apply)
  + host_resource_group_arn    = (known after apply)
  + iam_instance_profile       = (known after apply)
  + id                        = (known after apply)
  + instance_initiated_shutdown_behavior = (known after apply)
  + instance_lifecycle         = (known after apply)
  + instance_state             = (known after apply)
  + instance_type              = "t2.micro"
  + ipv6_address_count         = (known after apply)
  + ipv6_addresses             = (known after apply)
  + key_name                   = (known after apply)
  + monitoring                 = (known after apply)
  + outpost_arn                = (known after apply)
  + password_data              = (known after apply)
  + placement_group            = (known after apply)
  + placement_partition_number = (known after apply)
  + primary_network_interface_id = (known after apply)
  + private_dns                = (known after apply)
  + private_ip                 = (known after apply)
  + public_dns                 = (known after apply)
  + public_ip                  = (known after apply)
  + secondary_private_ips      = (known after apply)
  + security_groups             = (known after apply)
  + source_dest_check          = true
  + spot_instance_request_id   = (known after apply)
  + subnet_id                  = (known after apply)
  + tags                       = {
    + "Name" = "lab1-b3"
  }
  + tags_all                   = {
    + "Name" = "lab1-b3"
  }
  + tenancy                    = (known after apply)
  + user_data                  = (known after apply)
  + user_data_base64           = (known after apply)
  + user_data_replace_on_change = false
  + vpc_security_group_ids     = (known after apply)
}

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

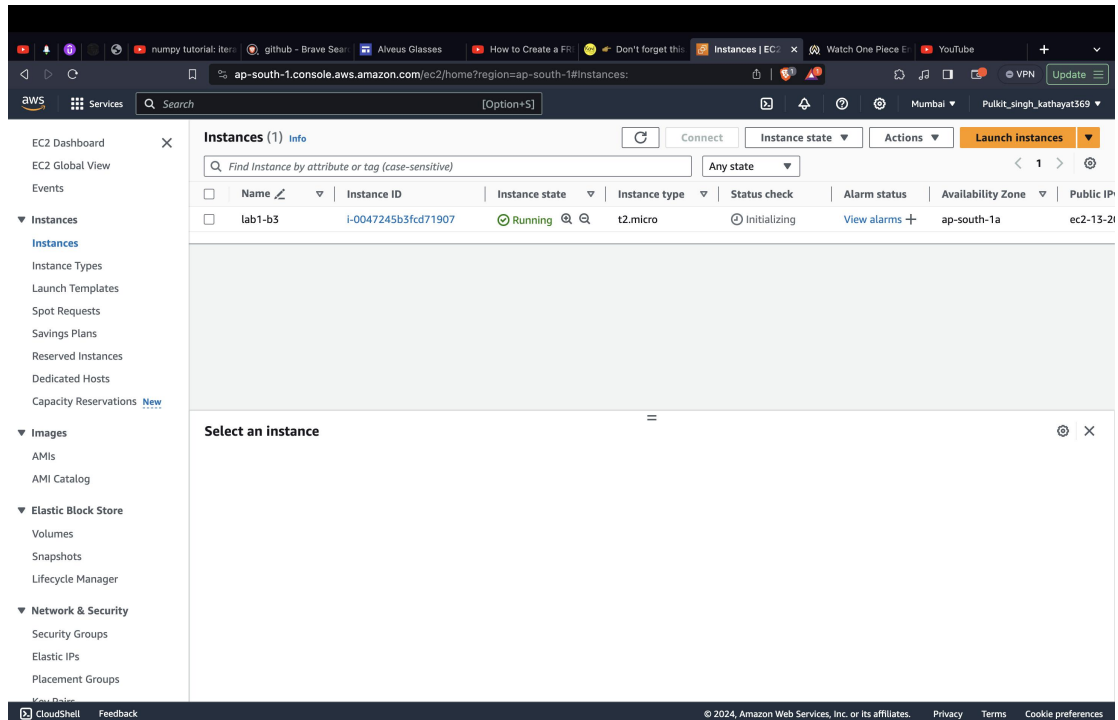
Do you want to perform these actions?
  Terraform will perform the actions described above.
  Only 'yes' will be accepted to approve.

Enter a value: yes

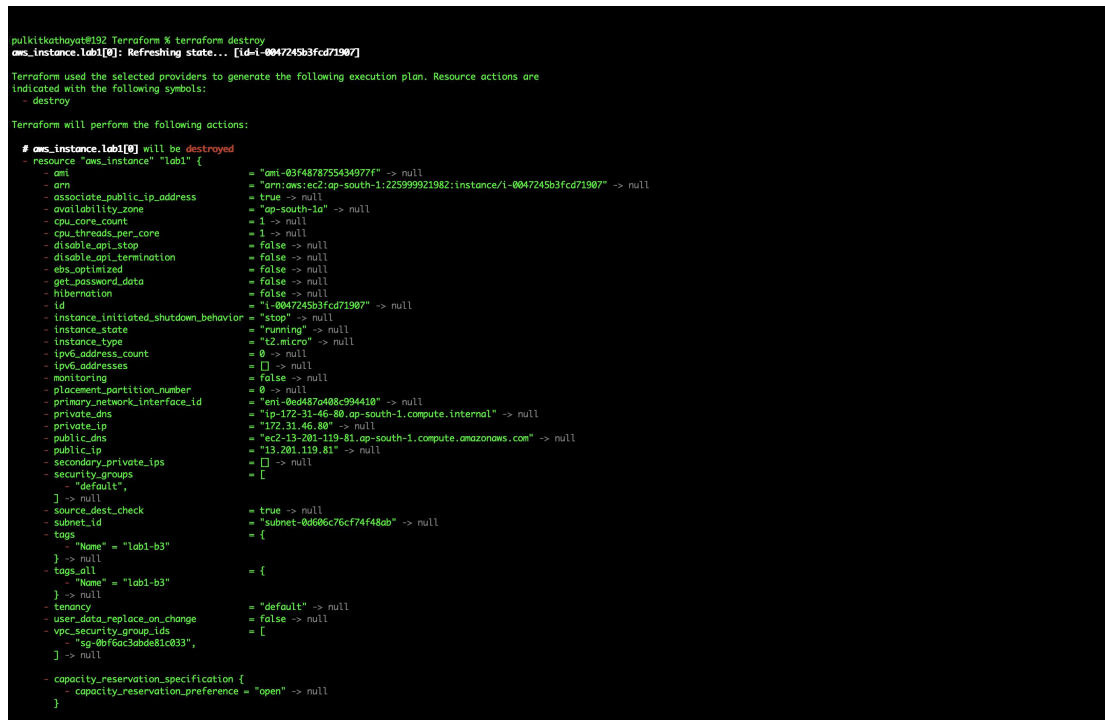
aws_instance.lab1[0]: Creating...
aws_instance.lab1[0]: Still creating... [10s elapsed]
aws_instance.lab1[0]: Still creating... [20s elapsed]
aws_instance.lab1[0]: Still creating... [30s elapsed]
aws_instance.lab1[0]: Creation complete after 37s [id=i-0047245b3fcd71907]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
pulkitkathayat@192 Terraform %
```

Step 4: Verify Resources



Step 5: Cleanup Resources



```
Destroy complete! Resources: 1 destroyed.
pulkitkathayat@192 Terraform %
```

aws

Services

Search

[Option+S]

Mumbai

Pulkit_singh_kathayat369

EC2 Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Instances (1) Info

Find Instance by attribute or tag (case-sensitive)

Any state

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
<input type="checkbox"/>	lab1-b3	i-0047245b3fcd71907	Terminated	t2.micro	-	View alarms +	ap-south-1a	-