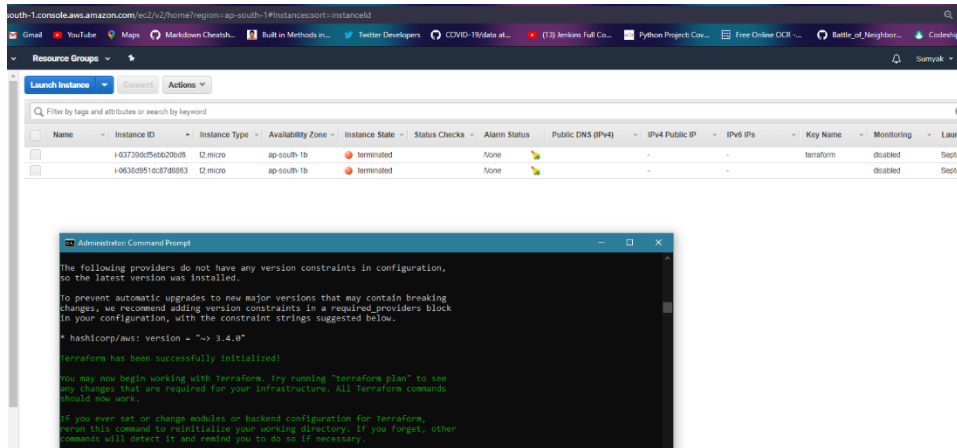


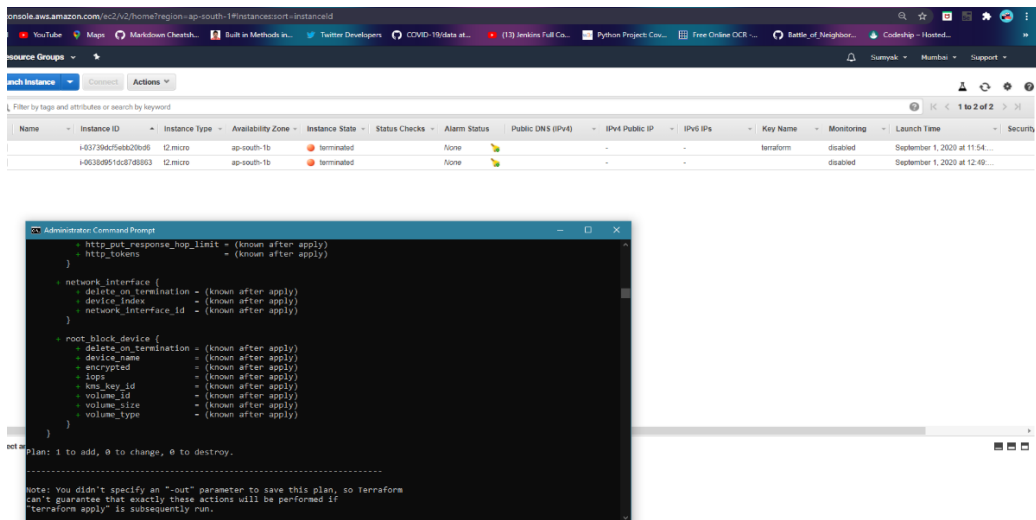
SUMYAK JAIN ,500068360, R171218106

## TERRAFORM EXPERIMENT

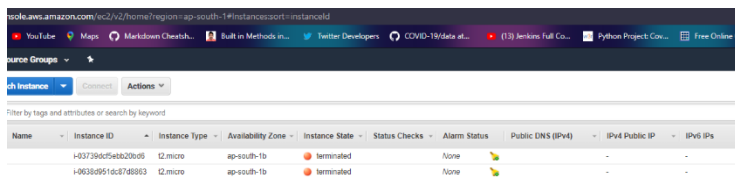
### Terraform init



### Terraform plan

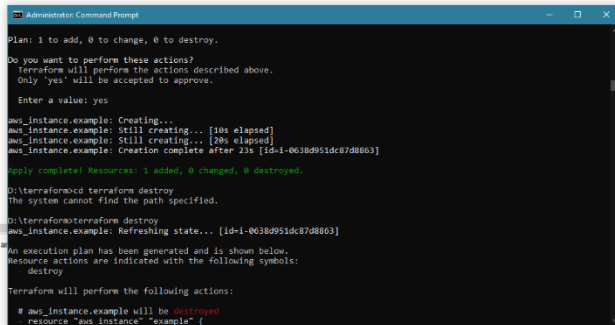


## Terraform apply



The screenshot shows the AWS Management Console for the 'ap-south-1' region. The 'Instances' page is active, displaying a table of EC2 instances. Two instances are listed, both in a 'terminated' state.

| Name | Instance ID         | Instance Type | Availability Zone | Instance State | Status Checks | Alarm Status | Public DNS (IPv4) | IPv4 Public IP | IPv6 IPs |
|------|---------------------|---------------|-------------------|----------------|---------------|--------------|-------------------|----------------|----------|
|      | i-03739dc56b20b05   | t2.micro      | ap-south-1b       | terminated     |               | None         |                   | -              | -        |
|      | i-0638d951dc87d8863 | t2.micro      | ap-south-1b       | terminated     |               | None         |                   | -              | -        |



```
Administrator: Command Prompt

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.example: Creating...
aws_instance.example: Still creating... [10s elapsed]
aws_instance.example: Still creating... [28s elapsed]
aws_instance.example: Creation complete after 23s [id=i-0638d951dc87d8863]

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

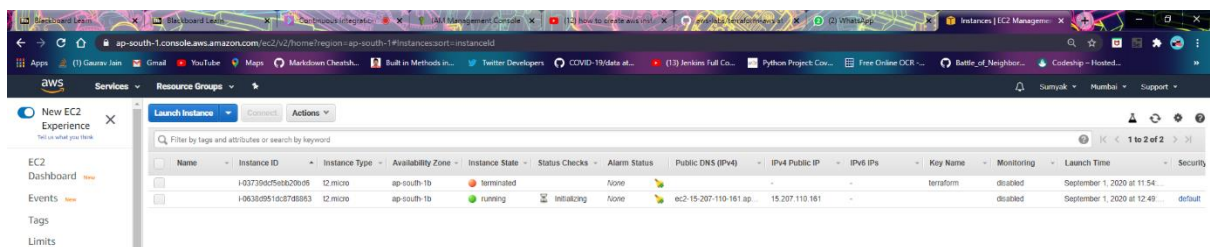
D:\terraform>terraform destroy
The system cannot find the path specified.

D:\terraform>terraform destroy
aws_instance.example: Refreshing state... [id=i-0638d951dc87d8863]

An execution plan has been generated and is shown below.
Resource actions are indicated with the following symbols:
  destroy

Terraform will perform the following actions:

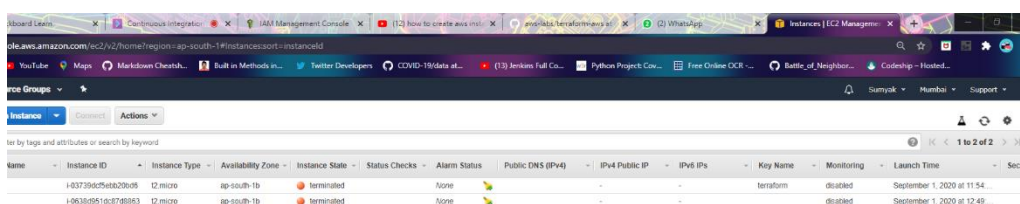
# aws_instance.example will be destroyed
resource "aws_instance" "example" {
```



The screenshot shows the AWS Management Console for the 'ap-south-1' region. The 'Instances' page is active, displaying a table of EC2 instances. Two instances are listed: one in a 'terminated' state and one in a 'running' state.

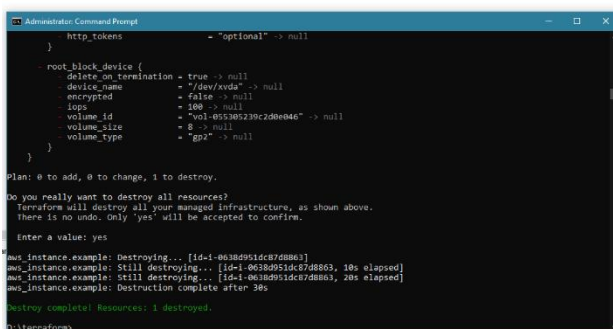
| Name | Instance ID         | Instance Type | Availability Zone | Instance State | Status Checks | Alarm Status | Public DNS (IPv4)        | IPv4 Public IP | IPv6 IPs | Key Name  | Monitoring | Launch Time                   | Security |
|------|---------------------|---------------|-------------------|----------------|---------------|--------------|--------------------------|----------------|----------|-----------|------------|-------------------------------|----------|
|      | i-03739dc56b20b05   | t2.micro      | ap-south-1b       | terminated     |               | None         |                          | -              | -        | terraform | disabled   | September 1, 2020 at 11:54... |          |
|      | i-0638d951dc87d8863 | t2.micro      | ap-south-1b       | running        | Initializing  | None         | ec2-15-207-110-161.ap... | 15.207.110.161 | -        |           | disabled   | September 1, 2020 at 12:49... | default  |

## Terraform destroy



The screenshot shows the AWS Management Console for the 'ap-south-1' region. The 'Instances' page is active, displaying a table of EC2 instances. Two instances are listed, both in a 'terminated' state.

| Name | Instance ID         | Instance Type | Availability Zone | Instance State | Status Checks | Alarm Status | Public DNS (IPv4) | IPv4 Public IP | IPv6 IPs | Key Name  | Monitoring | Launch Time                   | Security |
|------|---------------------|---------------|-------------------|----------------|---------------|--------------|-------------------|----------------|----------|-----------|------------|-------------------------------|----------|
|      | i-03739dc56b20b05   | t2.micro      | ap-south-1b       | terminated     |               | None         |                   | -              | -        | terraform | disabled   | September 1, 2020 at 11:54... |          |
|      | i-0638d951dc87d8863 | t2.micro      | ap-south-1b       | terminated     |               | None         |                   | -              | -        |           | disabled   | September 1, 2020 at 12:49... |          |



```
Administrator: Command Prompt

}
http_tokens = "optional" -> null
}

root_block_device {
  delete_on_termination = true -> null
  device_name = "/dev/xvda" -> null
  encrypted = false -> null
  iops = 100 -> null
  volume_id = "vol-453b95239c2d8ee04d" -> null
  volume_size = 8 -> null
  volume_type = "gp2" -> null
}

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

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.

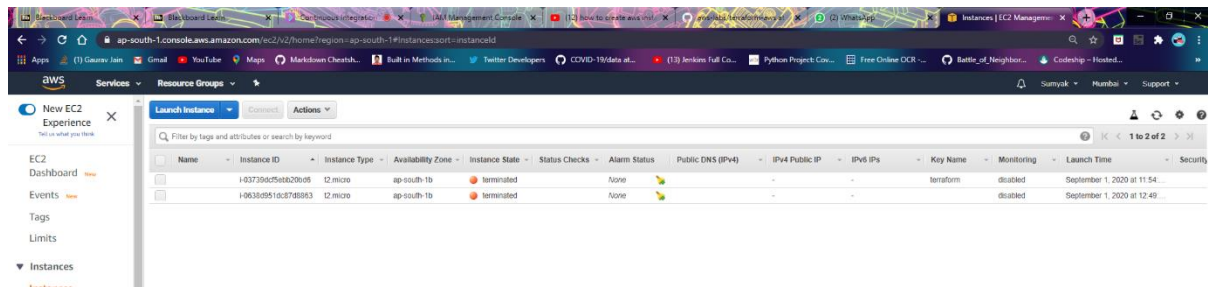
  Enter a value: yes

aws_instance.example: Destroying... [id=i-0638d951dc87d8863]
aws_instance.example: Still destroying... [id=i-0638d951dc87d8863, 10s elapsed]
aws_instance.example: Still destroying... [id=i-0638d951dc87d8863, 20s elapsed]
aws_instance.example: Destruction complete after 30s

Destroy complete! Resources: 1 destroyed.

D:\terraform>
```

destroyed



The screenshot shows the AWS Management Console for the 'ap-south-1' region. The 'Instances' page is active, displaying a table of EC2 instances. Two instances are listed, both with a status of 'terminated'.

| Name | Instance ID         | Instance Type | Availability Zone | Instance State | Status Checks | Alarm Status | Public DNS (IPv4) | IPv4 Public IP | IPv6 IPs | Key Name  | Monitoring | Launch Time                   | Security |
|------|---------------------|---------------|-------------------|----------------|---------------|--------------|-------------------|----------------|----------|-----------|------------|-------------------------------|----------|
|      | i-03726d75e6b20908  | t2.micro      | ap-south-1a       | terminated     | None          | None         |                   | -              | -        | terraform | disabled   | September 1, 2020 at 11:54... |          |
|      | i-063b0951dc3788983 | t2.micro      | ap-south-1a       | terminated     | None          | None         |                   | -              | -        |           | disabled   | September 1, 2020 at 12:49... |          |

script

```
1 provider "aws" {
2   access_key = "AKIAS26UULCREB3LN6WL"
3   secret_key = "d01zLqTRUPfc1VWCcuNX8QbXkZyjILtZOmDfuy+F"
4   region     = "ap-south-1"
5 }
6 resource "aws_instance" "example" {
7   ami           = "ami-0ebc1ac48dfd14136"
8   instance_type = "t2.micro"
9 }
```