



root@ip-172-31-93-95:~# 1s
snap terraform
root@ip-172-31-93-95:~# cd terraform
root@ip-172-31-93-95:~/terraform# 1s
creds.tf ec2.tf terraform.tfstate terraform.tfstate.backup
root@ip-172-31-93-95:~/terraform# vi creds.tf
root@ip-172-31-93-95:~/terraform# vi ec2.tf
root@ip-172-31-93-95:~/terraform# vi ec2.tf
root@ip-172-31-93-95:~/terraform# terraform plan





















root@ip-172-31-93-95:~/terraform# terraform plan Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the

aws instance.jenkins instance will be created

following symbols: + create

Terraform will perform the following actions:

```
+ resource "aws instance" "jenkins instance"
     ami
                                            = "ami-04505e74c0741db8d"
                                            = (known after apply)
    + arn
    + associate public ip address
                                            = (known after apply)
     availability zone
                                            = "us-east-1c"
                                            = (known after apply)
    + cpu core count
    + cpu threads per core
                                            = (known after apply)
    + disable api termination
                                            = (known after apply)
    + ebs optimized
                                            = (known after apply)
                                            = false
    + get password data
    + host id
                                            = (known after apply)
                                            = (known after apply)
    + id
    + instance initiated shutdown behavior = (known after apply)
                                            = (known after apply)
    + instance state
    + instance type
                                            = "t2.micro"
    + ipv6 address count
                                            = (known after apply)
    + ipv6 addresses
                                            = (known after apply)
                                            = "hotfix"
     key name
     monitoring
                                            = (known after apply)
                                            = (known after apply)
     outpost arn
    + password data
                                            = (known after apply)
    + placement group
                                            = (known after apply)
    + placement partition number
                                            = (known after 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.jenkins instance will be created
+ resource "aws instance" "jenkins instance"
      ami
                                            = "ami-04505e74c0741db8d"
    + arn
                                            = (known after apply)
    + associate public ip address
                                            = (known after apply)
      availability zone
                                            = "us-east-1c"
                                            = (known after apply)
    + cpu core count
                                            = (known after apply)
    + cpu threads per core
     disable api termination
                                            = (known after apply)
    + ebs optimized
                                            = (known after apply)
    + get password data
                                            = false
    + host id
                                            = (known after apply)
    + id
                                            = (known after apply)

    + instance initiated shutdown behavior = (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
                                            = "hotfix"
    + 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)

= (known after apply)



```
root@ip-172-31-93-95:~/terraform# vi ec2.tf
root@ip-172-31-93-95:~/terraform# terraform plan
aws instance.jenkins instance: Refreshing state... [id=i-0a101636015beb376]
```

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

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 eip.lb will be created
+ resource "aws eip" "lb"
                          = (known after apply)
    + allocation id
    + association id
                          = (known after apply)
    + carrier ip
                          = (known after apply)
    + customer owned ip
                        = (known after apply)
    + domain
                          = (known after apply)
    + id
                          = (known after apply)
                          = "i-0a101636015beb376"
    + instance
    + network border group = (known after apply)
    + network interface
                       = (known after apply)
    + private dns
                          = (known after apply)
    + private ip
                          = (known after apply)
    + public dns
                          = (known after apply)
    + public ip
                          = (known after apply)
    + public ipv4 pool
                          = (known after apply)
    + tags all
                          = (known after apply)
    + vpc
                          = true
```

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



















_ 🗇 🗙

```
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 eip.lb will be created

root@ip-172-31-93-95:~/terraform# terraform apply

```
+ resource "aws eip" "lb"
    + allocation id
                          = (known after apply)
   + association id
                          = (known after apply)
   + carrier ip
                          = (known after apply)
   + customer owned ip = (known after apply)
   + domain
                          = (known after apply)
    + id
                          = (known after apply)
                          = "i-0a101636015beb376"
   + instance
   + network border group = (known after apply)
   + network interface = (known after apply)
   + private dns
                          = (known after apply)
   + private ip
                          = (known after apply)
   + public dns
                         = (known after apply)
   + public ip
                          = (known after apply)
   + public ipv4 pool
                          = (known after apply)
    + tags all
                          = (known after apply)
    + vpc
                          = true
```

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

Do you want to perform these actions?

Terraform will perform the actions described above.



















root@ip-172-31-93-95: ~/terraform

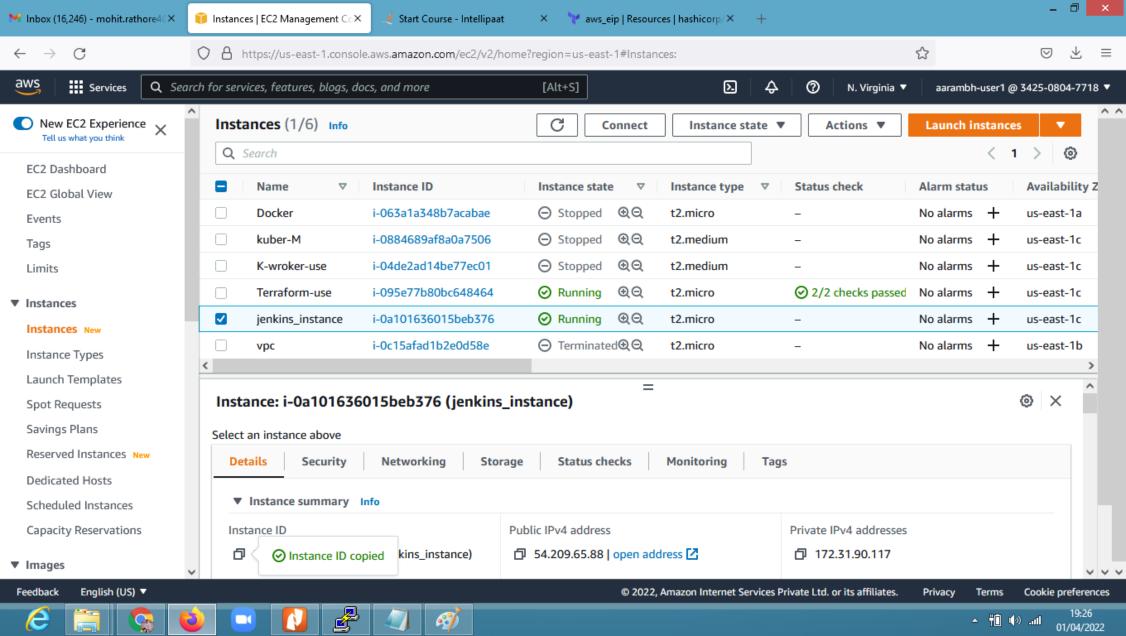
+ association id

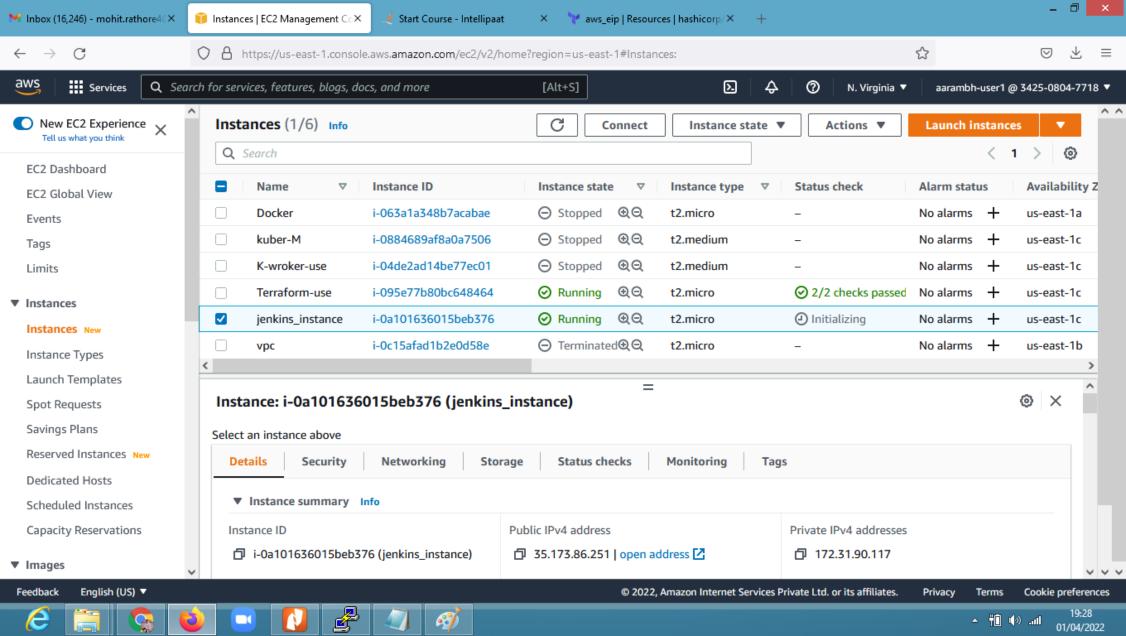
+ carrier ip

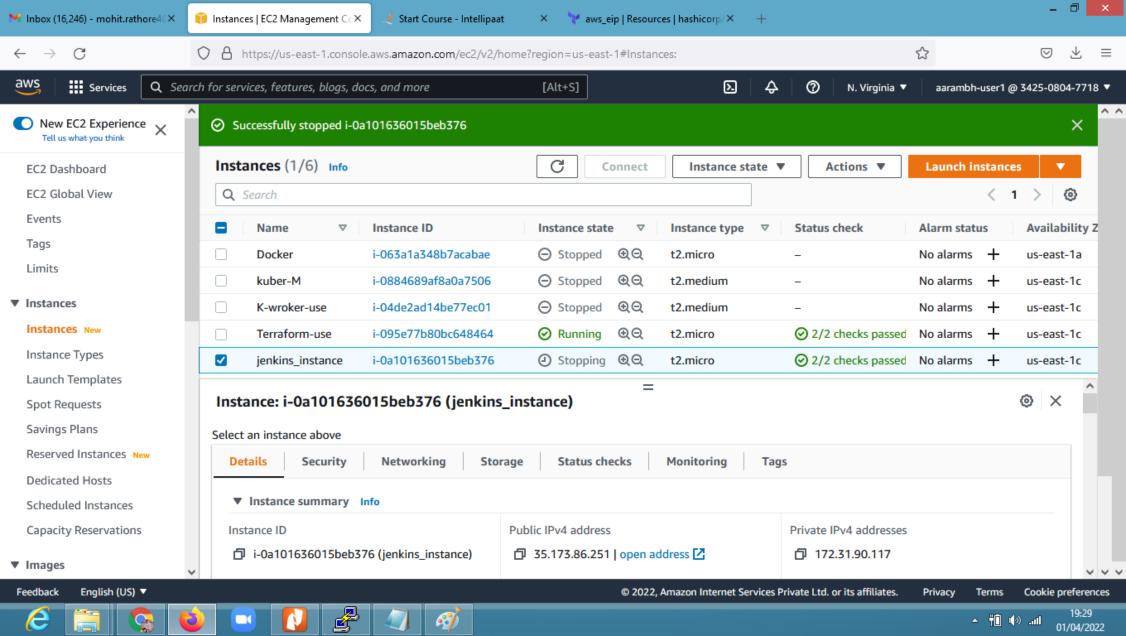
= (known after apply)

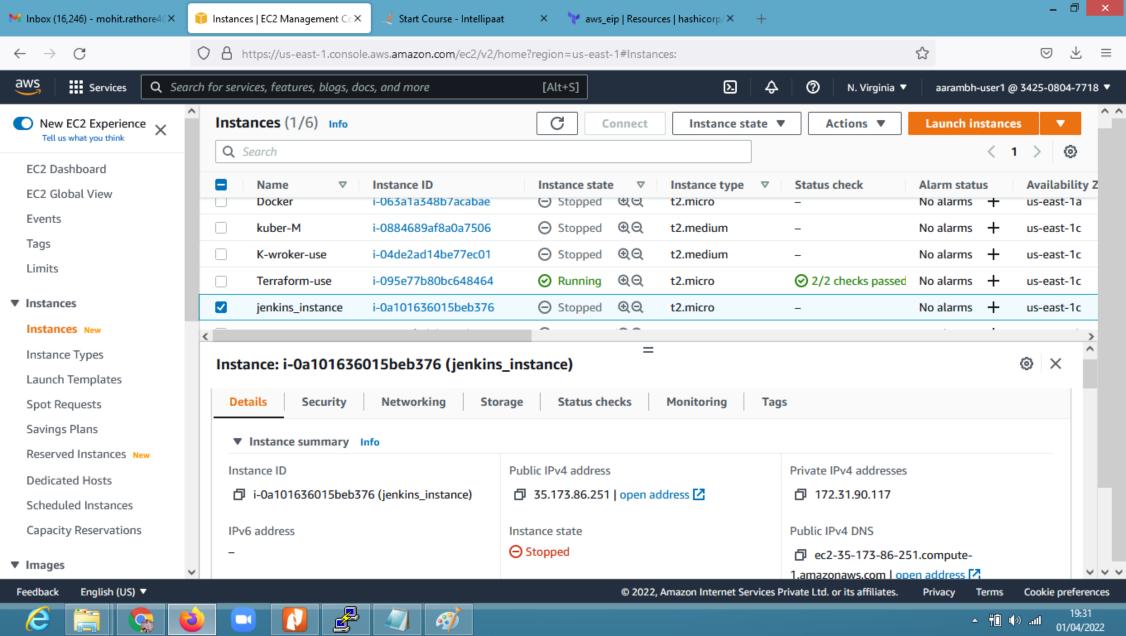
= (known after apply)

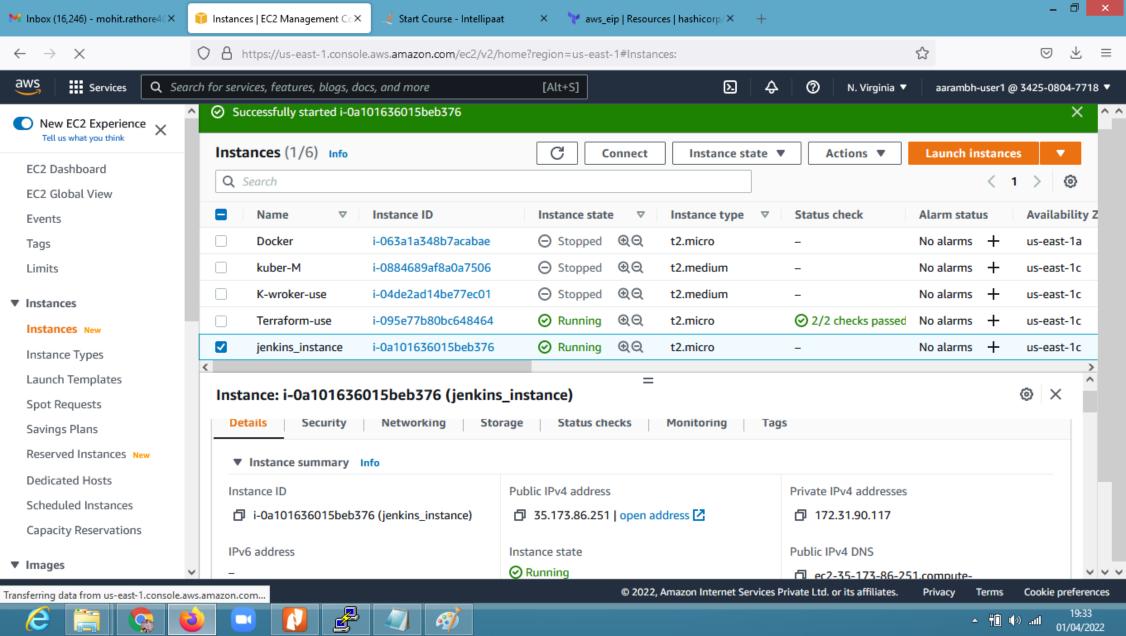
= (known after apply)











_ 🗇 ×

aws instance.jenkins instance: Refreshing state... [id=i-0a101636015beb376] aws eip.lb: Refreshing state... [id=eipalloc-0930316906c7d64d8]

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 eip.lb will be destroyed

root@ip-172-31-93-95:~/terraform# terraform destroy

```
resource "aws eip" "lb"
    allocation id
                        = "eipalloc-0930316906c7d64d8" -> null
   association id
                        = "eipassoc-028264684efd8585f" -> null
   domain
                        = "vpc" -> null
                        = "eipalloc-0930316906c7d64d8" -> null
   id
   instance
                        = "i-0a101636015beb376" -> null
   network border group = "us-east-1" -> null
   network interface = "eni-0d945db5522a63566" -> null
   private dns
                       = "ip-172-31-90-117.ec2.internal" -> null
   private ip
                        = "172.31.90.117" -> null
   public dns
                        = "ec2-35-173-86-251.compute-1.amazonaws.com" -> null
   public ip
                        = "35.173.86.251" -> null
    public ipv4 pool
                        = "amazon" -> null
    tags
                        = {} -> null
   tags all
                        = {} -> null
                        = true -> null
   vpc
```

aws instance.jenkins instance will be destroyed

resource "aws instance" "jenkins instance"

= "ami-04505e74c0741db8d" -> null ami

arn

















