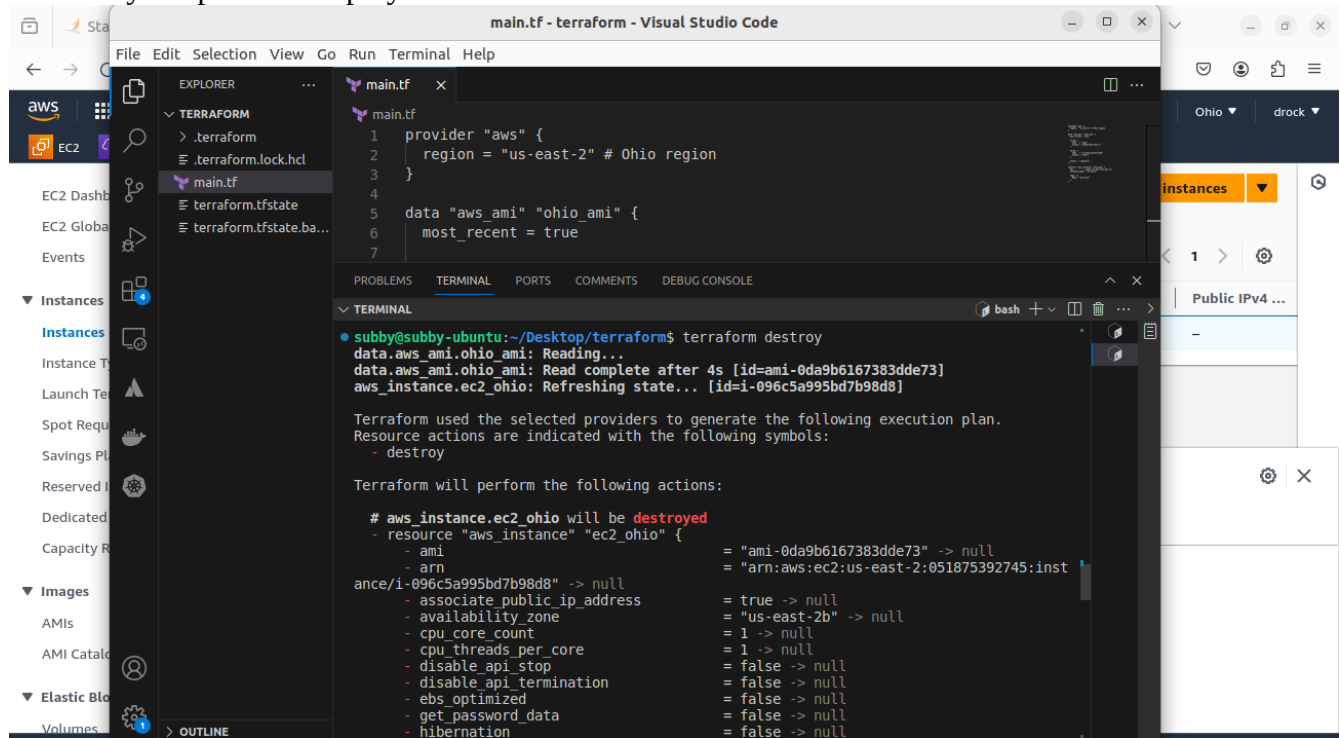


## 1. Destroy the previous deployment



```
main.tf - terraform - Visual Studio Code
File Edit Selection View Go Run Terminal Help

EXPLORER
TERRAFORM
  .terraform
  .terraform.lock.hcl
  main.tf
  terraform.tfstate
  terraform.tfstate.ba...

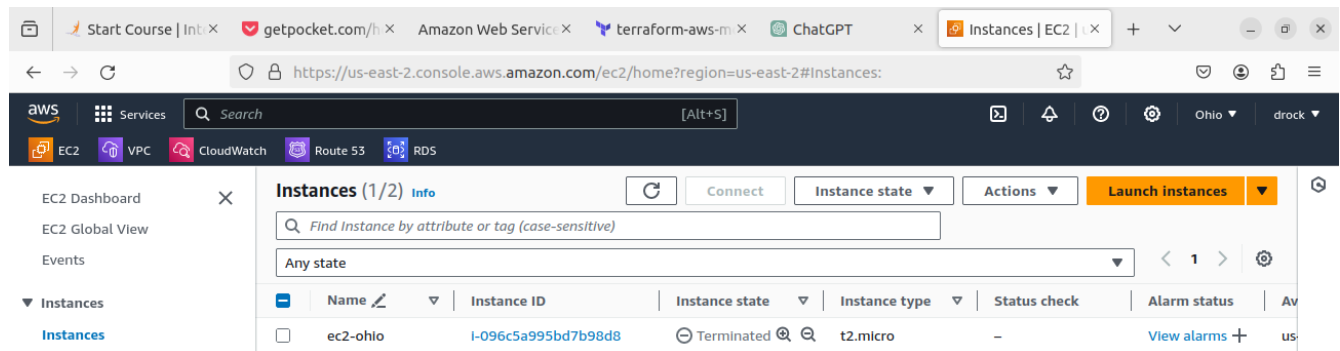
main.tf
1 provider "aws" {
2   region = "us-east-2" # Ohio region
3 }
4
5 data "aws_ami" "ohio_ami" {
6   most_recent = true
7 }

TERMINAL
subby@subby-ubuntu:~/Desktop/terraform$ terraform destroy
data.aws_ami.ohio_ami: Reading...
data.aws_ami.ohio_ami: Read complete after 4s [id=ami-0da9b6167383dde73]
aws_instance.ec2_ohio: Refreshing state... [id=i-096c5a995bd7b98d8]

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_instance.ec2_ohio will be destroyed
- resource "aws_instance" "ec2_ohio" {
  ami           = "ami-0da9b6167383dde73" -> null
  arn           = "arn:aws:ec2:us-east-2:051875392745:inst
  ance/i-096c5a995bd7b98d8" -> null
  associate_public_ip_address = true -> null
  availability_zone           = "us-east-2b" -> null
  cpu_core_count             = 1 -> null
  cpu_threads_per_core       = 1 -> null
  disable_api_stop           = false -> null
  disable_api_termination    = false -> null
  ebs_optimized              = false -> null
  get_password_data          = false -> null
  hibernation                 = false -> null
```



## 2. Create a new EC2 instance with an Elastic IP

```
provider "aws" {
  region = "us-east-2" # Ohio region
}
```

```
data "aws_ami" "ohio_ami" {
  most_recent = true
```

```
filter {
  name   = "name"
  values = ["amzn2-ami-hvm-*"]
}
```

```
filter {
```

```

    name = "virtualization-type"
    values = ["hvm"]
}

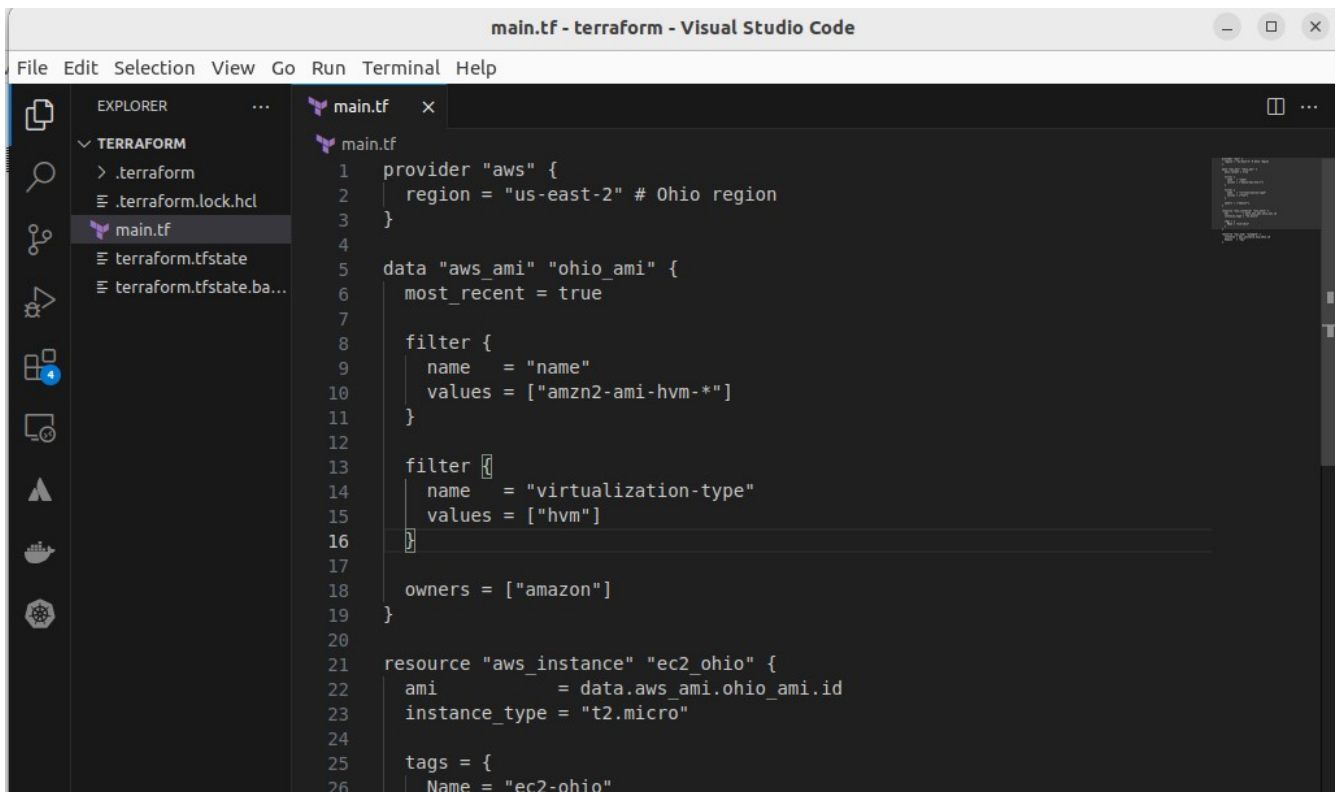
owners = ["amazon"]
}

resource "aws_instance" "ec2_ohio" {
  ami      = data.aws_ami.ohio_ami.id
  instance_type = "t2.micro"

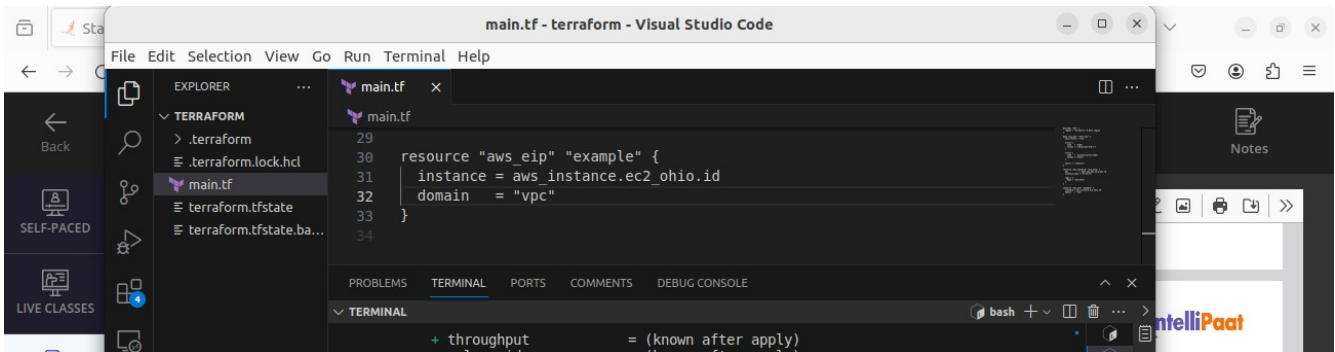
  tags = {
    Name = "ec2-ohio"
  }
}

resource "aws_eip" "example" {
  instance = aws_instance.ec2_ohio.id
  domain   = "vpc"
}

```



```
25     tags = {
26       Name = "ec2-ohio"
27     }
28   }
29
30   resource "aws_eip" "example" {
31     instance = aws_instance.ec2_ohio.id
32     domain   = "vpc"
33   }
34 }
```



## INSTANCE CREATED

Instances | EC2 | 1 x

https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Instances:

EC2 Dashboard

Instances (2) Info

Find Instance by attribute or tag (case-sensitive)

Any state

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Av
<input type="checkbox"/>	ec2-ohio	i-096c5a995bd7b98d8	Terminated	t2.micro	The instance ID 'i-096c5a995bd7b98d8' is not found.	View alarms +	us
<input type="checkbox"/>	ec2-ohio	i-0dedd2988fcd607a1	Running	t2.micro	2/2 checks passed	View alarms +	us

Instance: i-0167d0963c2a7b46b (ec2-ohio)

Details | Status and alarms New | Monitoring | Security | Networking | Storage | Tags

▼ Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0167d0963c2a7b46b (ec2-ohio)	-	-

# EIP CREATED

Start Course | Int...

getpocket.com/h...

Amazon Web Service...

terraform-aws-m...

ChatGPT

Elastic IP address...

← → ↺

https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Addresses:

☆

📧

👤

🔗

☰

aws

Services

Search

[Alt+S]

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🔔

🔒

🔧

Ohio

drock

EC2

VPC

CloudWatch

Route 53

RDS

Reserved Instances

Dedicated Hosts

Capacity Reservations

New

▼ Images

AMIs

AMI Catalog

▼ Elastic Block Store

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

New

▼ Images

AMIs

AMI Catalog

▼ Elastic Block Store

Volumes

Elastic IP addresses (1)

🔄

Actions

Allocate Elastic IP address

🔍 Find resources by attribute or tag

< 1 >

⚙️

<input type="checkbox"/>	Name	Allocated IPv4 addr...	Type	Allocation ID
<input type="checkbox"/>	-	<a href="#">3.13.27.144</a>	Public IP	eipalloc-04152adab8d1c0c34

Instance: i-0dedd2988fcd607a1 (ec2-ohio)

⚙️

✕

Details

Status and alarms

New

Monitoring

Security

Networking

Storage

Tags

▼ Instance summary

Info

Instance ID

[i-0dedd2988fcd607a1 \(ec2-ohio\)](#)

IPv6 address

-

Public IPv4 address

[3.13.27.144](#) [open address](#)

Instance state

[Running](#)

Private IPv4 addresses

[172.31.0.213](#)

Public IPv4 DNS

[ec2-3-13-27-144.us-east-2.compute.amazonaws.com](#) [open address](#)

Private IP DNS name (IPv4 only)

CloudShell

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