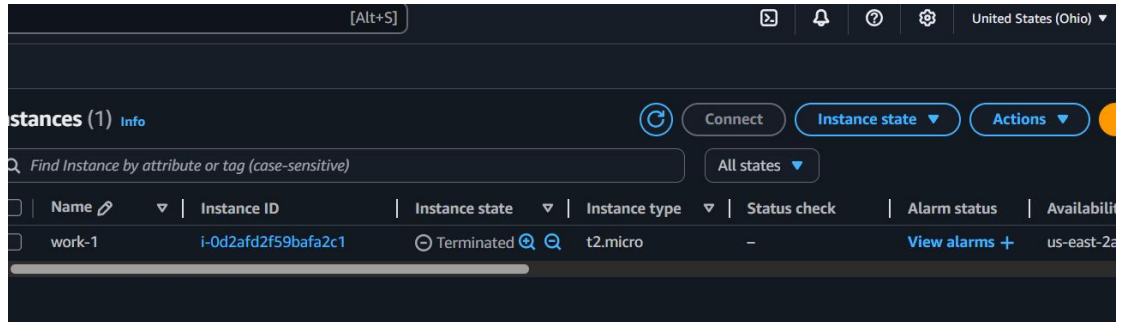


## Tasks To Be Performed:

1. Destroy the previous deployment
2. Create a new EC2 instance with an Elastic IP

### 1. Destroy the previous deployment



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

```
Assignment 2
=====
provider "aws" {
  region = "us-east-1"
  access_key = "AKIATVK4BHVRIRE5B5OU"
  secret_key = "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"
}
resource "aws_instance" "task-2" {
  ami = "ami-0cae6d6fe6048ca2c"
  instance_type = "t2.micro"
  key_name = "terra-kp"
  tags = {
    Name = "work-1"
  }
}
resource "aws_eip" "elastic" {
}
resource "aws_eip_association" "eip-link" {
  instance_id = aws_instance.task-2.id
  allocation_id = aws_eip.elastic.id
}
```

```
ubuntu@ip-172-31-28-242:~$ terraform plan
```

Terraform used the selected providers to generate the following execution plan. Resource actions

- + create

Terraform will perform the following actions:

```
# aws_eip.elastic will be created
+ resource "aws_eip" "elastic" {
  + allocation_id      = (known after apply)
  + arn                = (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)
  + instance           = (known after apply)
  + ipam_pool_id       = (known after apply)
  + network_border_group = (known after apply)
  + network_interface  = (known after apply)
  + private_dns        = (known after apply)
  + private_ip         = (known after apply)
  + ptr_record         = (known after apply)
  + public_dns         = (known after apply)
  + public_ip          = (known after apply)
  + public_ipv4_pool    = (known after apply)
  + region             = "us-east-1"
  + tags_all           = (known after apply)
}
```

**i-070c9c1966c5aa13e (terraform)**

PublicIPs: 3.89.186.199 PrivateIPs: 172.31.28.242

```
ubuntu@ip-172-31-28-242:~$ terraform apply
```

Terraform used the selected providers to generate the following execution plan. Resource action

- + create

Terraform will perform the following actions:

```
# aws_eip.elastic will be created
+ resource "aws_eip" "elastic" {
  + allocation_id      = (known after apply)
  + arn                = (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)
  + instance           = (known after apply)
  + ipam_pool_id       = (known after apply)
  + network_border_group = (known after apply)
  + network_interface  = (known after apply)
  + private_dns        = (known after apply)
  + private_ip         = (known after apply)
  + ptr_record         = (known after apply)
  + public_dns         = (known after apply)
  + public_ip          = (known after apply)
  + public_ipv4_pool    = (known after apply)
  + region             = "us-east-1"
  + tags_all           = (known after apply)
}
```

**i-070c9c1966c5aa13e (terraform)**

PublicIPs: 3.89.186.199 PrivateIPs: 172.31.28.242

```
+ metadata_options (known after apply)
+ network_interface (known after apply)
+ primary_network_interface (known after apply)
+ private_dns_name_options (known after apply)
+ root_block_device (known after apply)
}

Plan: 3 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.task-2: Creating...
aws_eip.elastic: Creating...
aws_eip.elastic: Creation complete after 1s [id=eipalloc-09a5ef7afac6f3ce5]
aws_instance.task-2: Still creating... [00m10s elapsed]
aws_instance.task-2: Creation complete after 13s [id=i-03fc598f51f67dab2]
aws_eip_association.eip-link: Creating...
aws_eip_association.eip-link: Creation complete after 2s [id=eipassoc-00738cf5f7413a03a]

Apply complete! Resources: 3 added, 0 changed, 0 destroyed.

i-070c9c1966c5aa13e (terraform)
PublicIPs: 3.89.186.199  PrivateIPs: 172.31.28.242
```

work-1

i-03fc598f51f67dab2

Running

t2.micro

Initializing

View alarms +

us-east-1b

i-03fc598f51f67dab2 (work-1)

Hostname type  
IP name: ip-172-31-22-109.ec2.internal

Private IP DNS name (IPv4 only)  
ip-172-31-22-109.ec2.internal

Answer private resource DNS name  
IPv4 (A)

Instance type  
t2.micro

Auto-assigned IP address  
-

VPC ID  
vpc-02196942317add486

Elastic IP addresses  
34.195.33.77 [Public IP]

AWS Compute Optimizer finding  
Opt-in to AWS Compute Optimizer for recommendations.  
Learn more

Elastic IP addresses

34.195.33.77 [Public IP]

AWS Compute Optimizer finding

Opt-in to AWS Compute Optimizer for recommendations. |

Learn more