

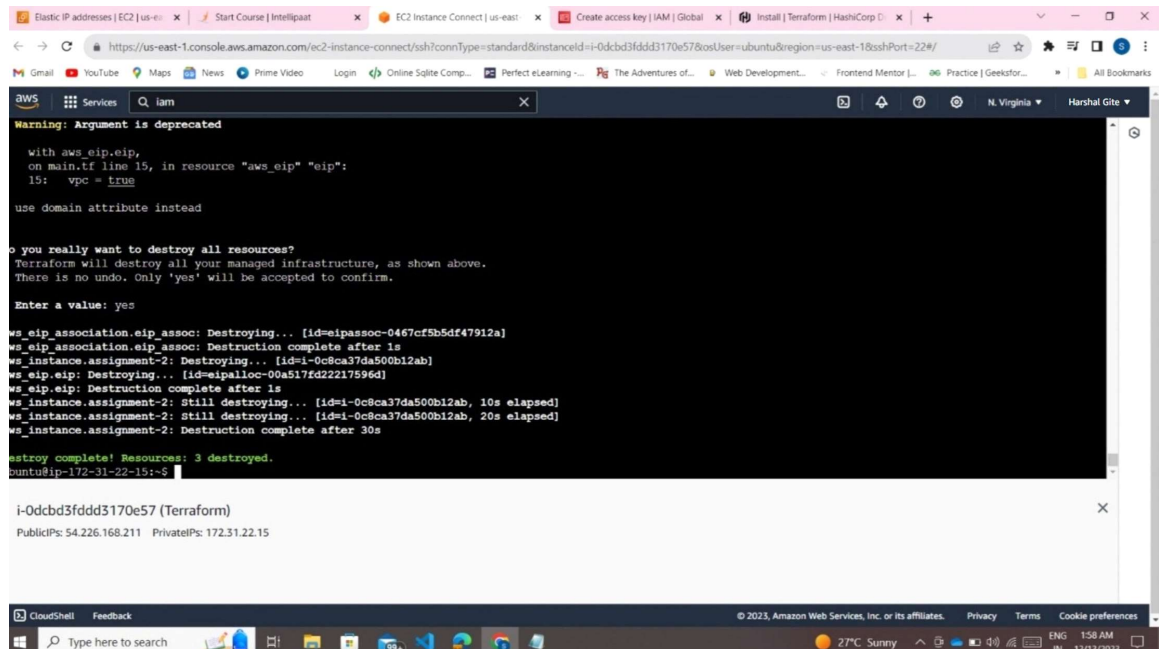
# Terraform Assignment-3

Tasks To Be Performed:

1. Destroy the previous deployment
2. Create 2 EC2 instances in Ohio and N.Virginia respectively
3. Rename Ohio's instance to 'hello-ohio' and Virginia's instance to 'hello-virginia'

Solution:

Steps:



The screenshot shows a terminal window in the AWS CloudShell environment. The terminal displays the output of a Terraform destroy command. It starts with a warning about a deprecated argument, followed by a confirmation prompt: "Do you really want to destroy all resources?". After entering 'yes', the terminal shows the destruction of three resources: 'aws\_eip.eip', 'aws\_instance.assignment-2', and 'aws\_eip.eip'. The output indicates that the resources are being destroyed and provides progress updates. Finally, it shows "Destroy complete! Resources: 3 destroyed." and the IP addresses of the destroyed instances.

```
Warning: Argument is deprecated
with aws_eip.eip,
on main.tf line 15, in resource "aws_eip" "eip":
15:   vpc = true

use domain attribute instead

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_eip.eip: Destroying... [id=eipassoc-0467cf5b5df47912a]
aws_eip.eip: Destruction complete after 1s
aws_instance.assignment-2: Destroying... [id=i-0c8ca37da500b12ab]
aws_instance.assignment-2: Still destroying... [id=i-0c8ca37da500b12ab, 10s elapsed]
aws_eip.eip: Destroying... [id=eipalloc-00a517fd22217596d]
aws_eip.eip: Destruction complete after 1s
aws_instance.assignment-2: Still destroying... [id=i-0c8ca37da500b12ab, 10s elapsed]
aws_instance.assignment-2: Still destroying... [id=i-0c8ca37da500b12ab, 20s elapsed]
aws_instance.assignment-2: Destruction complete after 30s

Destroy complete! Resources: 3 destroyed.
buntu@ip-172-31-22-15:~$
```

i-0dcbd3fddd3170e57 (Terraform)  
PublicIPs: 54.226.168.211 PrivateIPs: 172.31.22.15

Instance details | EC2 | us-east-1 | Start Course | Intellipaat | EC2 Instance Connect | us-east-1 | Create access key | IAM | Global | Install | Terraform | HashiCorp | +

https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0dcdb3fddd3170e57&osUser=ubuntu&region=us-east-1&sshPort=22#/?

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```
GNU nano 4.8 main.tf
provider "aws" {
  alias = "ny"
  region = "us-east-1"
  access_key = "AKIA33WRZLAZFVQNM8K3"
  secret_key = "8WEcADPQvo014Z+wSlj4NFOEjIRLgPso9bT1sFWU"
}

provider "aws" {
  alias = "Ohio"
  region = "us-east-2"
  access_key = "AKIA33WRZLAZFVQNM8K3"
  secret_key = "8WEcADPQvo014Z+wSlj4NFOEjIRLgPso9bT1sFWU"
}

resource "aws_instance" "assignment-3-1" {
  provider = aws.ny
  ami = "ami-06aa3f7cafa3a30282"
  instance_type = "t2.micro"
  tags = {
    Name = "hello-virginia"
  }
}

resource "aws_instance" "assignment-3-2" {
  provider = aws.Ohio
}
```

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i-0dcdb3fddd3170e57 (Terraform)  
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https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0dcdb3fddd3170e57&osUser=ubuntu&region=us-east-1&sshPort=22#/?

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```
GNU nano 4.8 main.tf
  region = "us-east-2"
  access_key = "AKIA33WRZLAZFVQNM8K3"
  secret_key = "8WEcADPQvo014Z+wSlj4NFOEjIRLgPso9bT1sFWU"
}

resource "aws_instance" "assignment-3-1" {
  provider = aws.ny
  ami = "ami-06aa3f7cafa3a30282"
  instance_type = "t2.micro"
  tags = {
    Name = "hello-virginia"
  }
}

resource "aws_instance" "assignment-3-2" {
  provider = aws.Ohio
  ami = "ami-07b36ea9852e986ad"
  instance_type = "t2.micro"
  key_name = "ohio-key"
  tags = {
    Name = "hello-ohio"
  }
}
```

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Exit Read File Replace Paste Text To Spell Go To Line Redo Copy Text Where Was Next

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Instance details | EC2 | us-east-1 x | Start Course | Intellipaat x | EC2 Instance Connect | us-east-1 x | Create access key | IAM | Global x | Install | Terraform | HashiCorp D x | +

← → ↻ <https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0dcbd3fddd3170e57&osUser=ubuntu&region=us-east-1&sshPort=22#/> ☆ 🏠 📁 📌 ⓘ

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See <https://ubuntu.com/esm> or run: `sudo pro status`

New release '22.04.3 LTS' available.  
Run 'do-release-upgrade' to upgrade to it.

Last login: Wed Dec 13 08:05:31 2023 from 18.206.107.27  
ubuntu@ip-172-31-22-15:~\$ sudo nano main.tf  
ubuntu@ip-172-31-22-15:~\$ terraform init

Initializing the backend...

Initializing provider plugins...

- Reusing previous version of hashicorp/aws from the dependency lock file
- Using previously-installed hashicorp/aws v5.30.0

**Terraform has been successfully initialized!**

You may now begin working with Terraform. Try running "terraform plan" to see any changes that are required for your infrastructure. All Terraform commands should now work.

If you ever set or change modules or backend configuration for Terraform, run this command to reinitialize your working directory. If you forget, other commands will detect it and remind you to do so if necessary.

ubuntu@ip-172-31-22-15:~\$

i-0dcbd3fddd3170e57 (Terraform)  
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← → ↻ <https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0dcbd3fddd3170e57&osUser=ubuntu&region=us-east-1&sshPort=22#/> ☆ 🏠 📁 📌 ⓘ

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Enter a value: yes

aws\_instance.assignment-3-1: Creating...

aws\_instance.assignment-3-2: Creating...

aws\_instance.assignment-3-1: Still creating... [10s elapsed]

aws\_instance.assignment-3-2: Still creating... [10s elapsed]

aws\_instance.assignment-3-1: Still creating... [20s elapsed]

aws\_instance.assignment-3-2: Still creating... [20s elapsed]

aws\_instance.assignment-3-1: Still creating... [30s elapsed]

aws\_instance.assignment-3-2: Still creating... [30s elapsed]

aws\_instance.assignment-3-1: Still creating... [40s elapsed]

aws\_instance.assignment-3-2: Still creating... [40s elapsed]

aws\_instance.assignment-3-1: Still creating... [50s elapsed]

aws\_instance.assignment-3-2: Still creating... [50s elapsed]

aws\_instance.assignment-3-1: Still creating... [1m0s elapsed]

aws\_instance.assignment-3-2: Still creating... [1m0s elapsed]

aws\_instance.assignment-3-1: Still creating... [1m10s elapsed]

aws\_instance.assignment-3-2: Still creating... [1m10s elapsed]

aws\_instance.assignment-3-1: Still creating... [1m20s elapsed]

aws\_instance.assignment-3-2: Still creating... [1m20s elapsed]

aws\_instance.assignment-3-1: Creation complete after 1m22s [id=1-046bba2b135428c3a]

aws\_instance.assignment-3-2: Creation complete after 1m30s [id=1-04c500939b374c9e0]

aws\_instance.assignment-3-1: Creation complete after 1m32s [id=1-04c500939b374c9e0]

Apply complete! Resources: 2 added, 0 changed, 0 destroyed.

ubuntu@ip-172-31-22-15:~\$

i-0dcbd3fddd3170e57 (Terraform)  
PublicIPs: 54.226.168.211 PrivateIPs: 172.31.22.15

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Instances | EC2 | us-east-1

Start Course | Intellipaat | EC2 Instance Connect | us-east-1 | Create access key | IAM | Global | Install | Terraform | HashiCorp |

https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:instanceState=running

EC2 Dashboard

EC2 Global View

Events

Console-to-Code

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

New

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Instances (2) info

Find Instance by attribute or tag (case-sensitive)

Instance state = running

Clear filters

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 D
<input type="checkbox"/>	Terraform	i-0dcbd3fddd3170e57	Running	t2.micro	2/2 checks passed	No alarms	us-east-1d	ec2-54-226-1
<input type="checkbox"/>	hello-virginia	i-04c500939b374c9e0	Running	t2.micro	Initializing	No alarms	us-east-1d	ec2-54-144-1

Select an instance

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Instances | EC2 | us-east-2

Start Course | Intellipaat | EC2 Instance Connect | us-east-2 | Create access key | IAM | Global | Install | Terraform | HashiCorp |

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

EC2 Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

New

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Instances (1) info

Find Instance by attribute or tag (case-sensitive)

Instance state = running

Clear filters

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4
<input type="checkbox"/>	hello-ohio	i-046bba2b135428c3a	Running	t2.micro	Initializing	No alarms	us-east-2c	ec2-53-144-

Select an instance

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