

root@ip-172-31-93-95:~/terraform# vi ec2.tf

```
resource "aws_instance" "hello-virginia" {  
    instance_type = "t2.micro"  
    vpc_security_group_ids = [ "sg-00c36799c2c7a977d" ]  
    associate_public_ip_address = true  
    tags = {  
        Name = "hello-virginia"  
    }  
    key_name = "hotfix"  
    ami = "ami-0e472ba40eb589f49"  
    availability_zone = "us-east-1c"  
    subnet_id = "subnet-0224f7014f970ee00"  
}
```

```
resource "aws_instance" "mohitrathore" {  
    instance_type = "t2.micro"  
    vpc_security_group_ids = [ "sg-00c36799c2c7a977d" ]  
    associate_public_ip_address = true  
    tags = {  
        Name = "mohitrathore"  
    }  
    key_name = "hotfix"  
    ami = "ami-0e472ba40eb589f49"  
    availability_zone = "us-east-1c"  
    subnet_id = "subnet-0224f7014f970ee00"  
}
```

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```
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# terraform plan
```

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.hello-virginia will be created

```
+ resource "aws_instance" "hello-virginia" {
  + ami                        = "ami-0e472ba40eb589f49"
  + arn                       = (known after apply)
  + associate_public_ip_address = true
  + availability_zone          = "us-east-1c"
  + cpu_core_count             = (known after apply)
  + cpu_threads_per_core       = (known after apply)
  + 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)
```



Plan: 2 to add, 0 to change, 0 to destroy.

Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if you run "terraform apply" now.

root@ip-172-31-93-95:~/terraform# terraform 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.hello-virginia will be created

```
+ resource "aws_instance" "hello-virginia" {  
  + ami                  = "ami-0e472ba40eb589f49"  
  + arn                  = (known after apply)  
  + associate_public_ip_address = true  
  + availability_zone     = "us-east-1c"  
  + cpu_core_count        = (known after apply)  
  + cpu_threads_per_core   = (known after apply)  
  + 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"
```



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.mohitrathore: Creating...

aws_instance.hello-virginia: Creating...

aws_instance.mohitrathore: Still creating... [10s elapsed]

aws_instance.hello-virginia: Still creating... [10s elapsed]

aws_instance.mohitrathore: Still creating... [20s elapsed]

aws_instance.hello-virginia: Still creating... [20s elapsed]

aws_instance.mohitrathore: Still creating... [30s elapsed]

aws_instance.hello-virginia: Still creating... [30s elapsed]

aws_instance.hello-virginia: Creation complete after 33s [id=i-0cd7628ebd473d9ec]

aws_instance.mohitrathore: Still creating... [40s elapsed]

aws_instance.mohitrathore: Still creating... [50s elapsed]

aws_instance.mohitrathore: Creation complete after 53s [id=i-0eb7044f48cd44e66]

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

root@ip-172-31-93-95:~/terraform# vi ec2.tf

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

aws_instance.mohitrathore: Refreshing state... [id=i-0eb7044f48cd44e66]

aws_instance.hello-virginia: Refreshing state... [id=i-0cd7628ebd473d9ec]

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:

~ update in-place

Terraform will perform the following actions:

aws_instance.hello-virginia will be updated in-place

~ resource "aws_instance" "hello-virginia" {



Inbox (16,241) - mohit.rath

Instances | EC2 Manage

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Terraform-Assignment-3.pdf

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https://us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:


```
resource "aws_instance" "hello-ohio" {
  instance_type = "t2.micro"
  vpc_security_group_ids = [ "sg-0e7d58dfd3e9d2f9e" ]
  associate_public_ip_address = true
  tags = {
    Name = "hello-ohio"
  }
  key_name = "ansible"
  ami = "ami-0fb653ca2d3203ac1"
  availability_zone = "us-east-2b"
  subnet_id = "subnet-0af2da7e5d934323d"
```

```
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# terraform plan
```

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.hello-ohio will be created

```
+ resource "aws_instance" "hello-ohio" {
  + ami                  = "ami-0fb653ca2d3203ac1"
  + arn                  = (known after apply)
  + associate_public_ip_address = true
  + availability_zone     = "us-east-2b"
  + cpu_core_count        = (known after apply)
  + cpu_threads_per_core  = (known after apply)
  + 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              = "ansible"
  + monitoring            = (known after apply)
  + outpost_arn           = (known after apply)
  + password_data         = (known after apply)
  + placement_group       = (known after apply)
```



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

Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if you run "terraform apply" now.

root@ip-172-31-93-95:~/terraform# terraform 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.hello-ohio will be created

```
+ resource "aws_instance" "hello-ohio" {  
  + ami                  = "ami-0fb653ca2d3203ac1"  
  + arn                  = (known after apply)  
  + associate_public_ip_address = true  
  + availability_zone     = "us-east-2b"  
  + cpu_core_count        = (known after apply)  
  + cpu_threads_per_core   = (known after apply)  
  + 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               = "ansible"
```



```
+ network_interface_id = (known after apply)
}

+ root_block_device {
+   delete_on_termination = (known after apply)
+   device_name            = (known after apply)
+   encrypted              = (known after apply)
+   iops                   = (known after apply)
+   kms_key_id             = (known after apply)
+   tags                   = (known after apply)
+   throughput             = (known after apply)
+   volume_id              = (known after apply)
+   volume_size            = (known after apply)
+   volume_type            = (known after apply)
+ }
}
```

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.hello-ohio: Creating...

aws_instance.hello-ohio: Still creating... [10s elapsed]

aws_instance.hello-ohio: Still creating... [20s elapsed]

aws_instance.hello-ohio: Still creating... [30s elapsed]

aws_instance.hello-ohio: Creation complete after 32s [id=i-006fba2079c9aa851]

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

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



Inbox (16,241) - mohit.rath

EC2 Management Console

Start Course - Intellipaat

Terraform-Assignment-3.pdf

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JenkinsTerraform/jenkins_

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https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:

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	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	NagiosServer	i-0706a3b62b5fea63a	⏸ Stopped	t2.micro	–	No alarms +	us-east-2b
<input checked="" type="checkbox"/>	hello-ohio	i-006fba2079c9aa851	🟢 Running	t2.micro	🟢 2/2 checks passed	No alarms +	us-east-2b

Instance: i-006fba2079c9aa851 (hello-ohio)

⚙️ ✕

Select an instance above

Details

Security

Networking

Storage

Status checks

Monitoring

Tags

▼ Instance summary

Info

Instance ID

📄 i-006fba2079c9aa851 (hello-ohio)

IPv6 address

–

Public IPv4 address

📄 3.142.48.164 | [open address](#)

Instance state

🟢 Running

Private IPv4 addresses

📄 172.31.19.186

Public IPv4 DNS

📄 ec2-3-142-48-164.us-east-2.compute.amazonaws.com | [open address](#)

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01/04/2022

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

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

aws_instance.hello-ohio: Refreshing state... [id=i-006fba2079c9aa851]

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.hello-ohio will be **destroyed**

```
- resource "aws_instance" "hello-ohio" {
  - ami                        = "ami-0fb653ca2d3203ac1" -> null
  - arn                       = "arn:aws:ec2:us-east-2:342508047718:instance/i-006fba2079c9aa851" -> 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_termination    = false -> null
  - ebs_optimized              = false -> null
  - get_password_data          = false -> null
  - hibernation                = false -> null
  - id                         = "i-006fba2079c9aa851" -> null
  - instance_initiated_shutdown_behavior = "stop" -> null
  - instance_state             = "running" -> null
  - instance_type              = "t2.micro" -> null
  - ipv6_address_count         = 0 -> null
  - ipv6_addresses             = [] -> null
  - key_name                   = "ansible" -> null
  - monitoring                 = false -> null
  - primary_network_interface_id = "eni-0655f9da0726fe4bf" -> null
  - private_dns                = "ip-172-31-19-186.us-east-2.compute.internal" -> null
  - private_ip                 = "172.31.19.186" -> null
```



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https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:

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Search

	Name ▾	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm status	Availability Z
<input type="checkbox"/>	NagiosServer	i-0706a3b62b5fea63a	⊖ Stopped 🔍	t2.micro	–	No alarms +	us-east-2b
<input checked="" type="checkbox"/>	hello-ohio	i-006fba2079c9aa851	⊖ Terminated 🔍	t2.micro	–	No alarms +	us-east-2b

Instance: i-006fba2079c9aa851 (hello-ohio) ⚙️ ✕

Select an instance above

Details

Security

Networking

Storage

Status checks

Monitoring

Tags

▼ Instance summary Info

Instance ID

i-006fba2079c9aa851 (hello-ohio)

IPv6 address

–

Hostname type

Public IPv4 address

–

Instance state

⊖ Terminated

Private IPv4 addresses

–

Public IPv4 DNS

–

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