

ubuntu@ip-172-31-93-145: ~, x + v

```
- root_block_device {  
- delete_on_termination = true -> null  
- device_name           = "/dev/xvda" -> null  
- encrypted             = false -> null  
- iops                  = 3000 -> null  
- tags                  = {} -> null  
- tags_all              = {} -> null  
- throughput            = 125 -> null  
- volume_id             = "vol-02f552a2e2c1099ac" -> null  
- volume_size           = 8 -> null  
- volume_type           = "gp3" -> null  
  # (1 unchanged attribute hidden)  
}
```

Plan: 0 to add, 0 to change, 3 to destroy.

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_association.eip_assoc: Destroying... [id=eipassoc-0dd6ba66f68fab271]  
aws_eip_association.eip_assoc: Destruction complete after 1s  
aws_instance.demo2: Destroying... [id=i-042769f2f1dalc707]  
aws_eip.eip: Destroying... [id=eipalloc-0d62bf30dd7e68d25]  
aws_eip.eip: Destruction complete after 1s  
aws_instance.demo2: Still destroying... [id=i-042769f2f1dalc707, 10s elapsed]  
aws_instance.demo2: Still destroying... [id=i-042769f2f1dalc707, 20s elapsed]  
aws_instance.demo2: Still destroying... [id=i-042769f2f1dalc707, 30s elapsed]  
aws_instance.demo2: Still destroying... [id=i-042769f2f1dalc707, 40s elapsed]  
aws_instance.demo2: Still destroying... [id=i-042769f2f1dalc707, 50s elapsed]  
aws_instance.demo2: Still destroying... [id=i-042769f2f1dalc707, 1m0s elapsed]  
aws_instance.demo2: Still destroying... [id=i-042769f2f1dalc707, 1m10s elapsed]  
aws_instance.demo2: Still destroying... [id=i-042769f2f1dalc707, 1m20s elapsed]  
aws_instance.demo2: Destruction complete after 1m21s  
  
Destroy complete! Resources: 3 destroyed.  
ubuntu@ip-172-31-93-145:~/Terraform$
```

Windows taskbar: Search, File Explorer, Edge, Teams, OneDrive, etc. System tray: ENG IN, 10:47, 30-11-2024.

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

AWS Management Console: Elastic IP addresses

Find resources by attribute or tag

Name	Allocated IPv4 address	Type	Allocation ID	Reverse DNS
No Elastic IP addresses found in this Region				

View IP address usage and recommendations to release unused IPs with [Public IP insights](#)

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Instances | EC2 | us-east-2

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

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Instances (2) Info

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Connect Instance state Actions Launch instances

Find Instance by attribute or tag (case-sensitive) All states

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	MyAssignment2	i-042769f2f1da1c707	Terminated	t2.micro	-	View alarms +	us-east-2a
<input type="checkbox"/>	MyAssignment1	i-09d76855cb2149ae9	Terminated	t2.micro	-	View alarms +	us-east-2a

Select an instance

CloudShell Feedback

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ubuntu@ip-172-31-93-145: ~\$ cat assign3.tf

```
provider "aws" {
  alias      = "ohio"
  region     = var.region1
  access_key = var.aws_access_key
  secret_key = var.aws_secret_key
}

provider "aws" {
  alias      = "NorthVirginia"
  region     = var.region2
  access_key = var.aws_access_key
  secret_key = var.aws_secret_key
}

resource "aws_instance" "demo3" {
  provider      = aws.ohio
  ami           = "ami-0377774efca2da0726"
  instance_type = "t2.micro"
  key_name      = "OhioSept"
  tags = {
    Name = "Hello-Ohio"
  }
}

resource "aws_instance" "demo3" {
  provider      = aws.NorthVirginia
  ami           = "ami-0ebfd941bbafe70c6"
  instance_type = "t2.micro"
  key_name      = "NVKPPem"
  tags = {
    Name = "Hello-NorthVirginia"
  }
}
```

ubuntu@ip-172-31-93-145: ~\$

```
ubuntu@ip-172-31-93-145: ~, x + v
ubuntu@ip-172-31-93-145:~/Terraform$ cat variable.tf
variable "aws_access_key" {
  description = "this refers to aws access key"
  type        = string
  sensitive   = true
}

variable "aws_secret_key" {
  description = "this refers to aws secret key"
  type        = string
  sensitive   = true
}

variable "region1" {
  description = "this refers to ohio region"
  type        = string
  default     = "us-east-2"
}

variable "region2" {
  description = "this refers to NorthVirginia region"
  type        = string
  default     = "us-east-1"
}
ubuntu@ip-172-31-93-145:~/Terraform$ |

+ capacity_reservation_specification (known after apply)
+ cpu_options (known after apply)
+ ebs_block_device (known after apply)
+ enclave_options (known after apply)
+ ephemeral_block_device (known after apply)
+ instance_market_options (known after apply)
+ maintenance_options (known after apply)
+ metadata_options (known after apply)
+ network_interface (known after apply)
+ private_dns_name_options (known after apply)
+ root_block_device (known after apply)
}

Plan: 2 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.ohio_instance: Creating...
aws_instance.northvirginia_instance: Creating...
aws_instance.ohio_instance: Still creating... [10s elapsed]
aws_instance.northvirginia_instance: Still creating... [10s elapsed]
aws_instance.ohio_instance: Creation complete after 12s [id=i-0ddadcb249b08c646]
aws_instance.northvirginia_instance: Creation complete after 12s [id=i-0a683984d3c1cc1a3]

Apply complete! Resources: 2 added, 0 changed, 0 destroyed.
ubuntu@ip-172-31-93-145:~/Terraform$ |
```

Instances | EC2 | us-east-2

Key pairs | EC2 | us-east-1

Install Terraform | Terraform | H...

Terraform-Assignment-3.pdf

Terraform-Assignment-4.pdf

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

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Instances (3) Info

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	Hello-Ohio	i-0ddadcb249b08c646	Running	t2.micro	Initializing	View alarms +	us-east-2a
<input type="checkbox"/>	MyAssignment2	i-042769f2f1da1c707	Terminated	t2.micro	-	View alarms +	us-east-2a
<input type="checkbox"/>	MyAssignment1	i-09d76855cb2149ae9	Terminated	t2.micro	-	View alarms +	us-east-2a

Select an instance

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Instances | EC2 | us-east-1

Install Terraform | Terraform | H...

Terraform-Assignment-3.pdf

Terraform-Assignment-4.pdf

https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances?v=3&case=tag:true%5Cclient:false%5Cregex=false%5Cclient:false

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Instances (2) Info

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	Hello-NorthVirginia	i-0a683984d3c1cc1a3	Running	t2.micro	Initializing	View alarms +	us-east-1d
<input type="checkbox"/>	Terra_instance	i-098a5ea3d001973f6	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1d

Select an instance

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