

```
ubuntu@ip-172-31-93-145: ~, X + v
ubuntu@ip-172-31-93-145:~$ mkdir Terraform
ubuntu@ip-172-31-93-145:~$ cd Terraform/
ubuntu@ip-172-31-93-145:~/Terraform$ sudo nano assign1.tf
ubuntu@ip-172-31-93-145:~/Terraform$ cat assign1.tf
provider "aws" {
  region     = "us-east-2"
  access_key = "AKIAQ3EGS53HKY2XYUNH4"
  secret_key = "VrtNnbLKNsxZPuMahhpP1EUKaKa6g76uygNEVgWF"
}

resource "aws_instance" "demo" {
  ami           = "ami-037774efca2da0726"
  instance_type = "t2.micro"
  key_name      = "OhioSept"
  tags         = {
    Name = "MyAssignment1"
  }
}
ubuntu@ip-172-31-93-145:~/Terraform$ |

ubuntu@ip-172-31-93-145: ~, X + v
ubuntu@ip-172-31-93-145:~$ mkdir Terraform
ubuntu@ip-172-31-93-145:~$ cd Terraform/
ubuntu@ip-172-31-93-145:~/Terraform$ sudo nano assign1.tf
ubuntu@ip-172-31-93-145:~/Terraform$ cat assign1.tf
provider "aws" {
  region     = "us-east-2"
  access_key = "AKIAQ3EGS53HKY2XYUNH4"
  secret_key = "VrtNnbLKNsxZPuMahhpP1EUKaKa6g76uygNEVgWF"
}

resource "aws_instance" "demo" {
  ami           = "ami-037774efca2da0726"
  instance_type = "t2.micro"
  key_name      = "OhioSept"
  tags         = {
    Name = "MyAssignment1"
  }
}
ubuntu@ip-172-31-93-145:~/Terraform$ terraform init
Initializing the backend...
Initializing provider plugins...
- Finding latest version of hashicorp/aws...
- Installing hashicorp/aws v5.78.0...
- Installed hashicorp/aws v5.78.0 (signed by HashiCorp)
Terraform has created a lock file .terraform.lock.hcl to record the provider
selections it made above. Include this file in your version control repository
so that Terraform can guarantee to make the same selections by default when
you run "terraform init" in the future.

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,
rerun 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-172-31-93-145:~/Terraform$ |
```

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

```
+ user_data_base64 = (known after apply)
+ user_data_replace_on_change = false
+ vpc_security_group_ids = (known after apply)

+ 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: 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.demo: Creating...
aws_instance.demo: Still creating... [10s elapsed]
aws_instance.demo: Creation complete after 13s [id=i-09d76855cb2149ae9]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
ubuntu@ip-172-31-93-145: ~/Terraform$ |
```

ENG IN 10:26 30-11-2024

Instances | EC2 | us-east-2

Install Terraform | Terraform | Ha: X Terraform-Assignment-1.pdf X +

https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Instances:v=3;case=tags:true%5Cclient:false;\$regex=tags:false%5Cclient:false

Del Gmail ChatGPT

aws Search [Alt+S]

EC2 VPC EFS FSx S3 IAM CloudWatch CloudTrail AWS Config Route 53 RDS CloudFormation Elastic Beanstalk Amazon Redshift CloudFront ElastiCache

Dashboard

EC2 Global View

Events

▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

▼ Images

AMIs

AMI Catalog

▼ Elastic Block Store

Volumes

Snapshots

Instances (1) Info

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

< 1 >

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

Select an instance

© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

ENG IN 10:27 30-11-2024

Instances | EC2 | us-east-2

Install Terraform | Terraform | Ha: X | Terraform-Assignment-1.pdf

https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Instances:v=3;case=tag:true%5Cclient:false;\$regex=tags:false%5Cclient:false

Search [Alt+S]

EC2 VPC EFS FSx S3 IAM CloudWatch CloudTrail AWS Config Route 53 RDS CloudFormation Elastic Beanstalk Amazon Redshift CloudFront ElastiCache

Dashboard EC2 Global View Events

▼ Instances

- Instances
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Capacity Reservations

▼ Images

- AMIs
- AMI Catalog

▼ Elastic Block Store

- Volumes
- Snapshots

Instances (1/1) info

Last updated 1 minute ago

Connect Instance state Actions Launch instances

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

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

i-09d76855cb2149ae9 (MyAssignment1)

Details Status and alarms Monitoring Security Networking Storage Tags

▼ Networking details info

Public IPv4 address 3.140.185.2 open address	Private IPv4 addresses 172.31.4.134	VPC ID vpc-04e4f3c583429553e
Public IPv4 DNS ec2-3-140-185-2.us-east-2.compute.amazonaws.com	Private IP DNS name (IPv4 only) ip-172-31-4-134.us-east-2.compute.internal	

© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

10:28 30-11-2024