

aws Services Search [Alt+S]

```
provider "aws" {
  alias   = "us_west_1"
  region  = "us-west-1"
  access_key = "AKIAZQ3DUAKGN2OZE7WH"
  secret_key = "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"
}

provider "aws" {
  alias   = "us_east_2"
  region  = "us-east-2"
  access_key = "AKIAZQ3DUAKGN2OZE7WH"
  secret_key = "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"
}

resource "aws_instance" "demo1" {
  provider = aws.us_west_1

  ami           = "ami-0ff591da048329e00"
  instance_type = "t2.micro"
  user_data = <<-EOF
    #!/bin/bash

```

```
    #!/bin/bash
    echo "Hello from us-west-1" >/home/ubuntu/hello.txt
  EOF

  tags = {
    NAME = "ec2terraformdemo"
  }
}

resource "aws_instance" "demo2" {
  provider = aws.us_east_2

  ami           = "ami-00db8dad36c9815e"
  instance_type = "t2.micro"
  user_data = <<-EOF
    #!/bin/bash
    echo "Hello from us-east-2" >/home/ec2-user/hello.txt
  EOF

  tags = {
    NAME = "ec2terraformdemo"
  }
}
```

```

ubuntu@ip-172-31-9-146:~$ cd sample
ubuntu@ip-172-31-9-146:~/sample$ ls
instance.tf  terraform.tfstate
ubuntu@ip-172-31-9-146:~/sample$ vi instance.tf
ubuntu@ip-172-31-9-146:~/sample$ terraform init
Initializing the backend...
Initializing provider plugins...
- Reusing previous version of hashicorp/aws from the dependency lock file
- Using previously-installed hashicorp/aws v5.59.0

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,
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-172-31-9-146:~/sample$ terraform validate
Success! The configuration is valid.
ubuntu@ip-172-31-9-146:~/sample$

```

```

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.demo2: Destroying... [id=i-0e148e4eaf37dab3c]
aws_instance.demo1: Creating...
aws_instance.demo2: Still destroying... [id=i-0e148e4eaf37dab3c, 10s elapsed]
aws_instance.demo1: Still creating... [10s elapsed]
aws_instance.demo2: Destruction complete after 15s
aws_instance.demo2: Creating...
aws_instance.demo1: Still creating... [20s elapsed]
aws_instance.demo2: Still creating... [10s elapsed]
aws_instance.demo1: Still creating... [30s elapsed]
aws_instance.demo2: Still creating... [20s elapsed]
aws_instance.demo1: Creation complete after 35s [id=i-01474ed1b15415fd4]
aws_instance.demo2: Still creating... [30s elapsed]
aws_instance.demo2: Creation complete after 35s [id=i-0279c400697f0dc1d]

Apply complete! Resources: 2 added, 0 changed, 1 destroyed.
ubuntu@ip-172-31-9-146:~/sample$

```

Instances (1/2) Info							
Find Instance by attribute or tag (case-sensitive)				All states			
Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input checked="" type="checkbox"/> ec2terr...	i-0279c400697f0dc1d	Running	t2.micro	2/2 checks passed	View alarms	us-east-2a	-

Instances (1/2) Info							
Find Instance by attribute or tag (case-sensitive)				All states			
Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input type="checkbox"/> i-0ad928f3408f2d0cb	i-0ad928f3408f2d0cb	Terminated	t2.micro	-	View alarms	us-west-1c	-
<input checked="" type="checkbox"/> ec2terr...	i-01474ed1b15415fd4	Running	t2.micro	2/2 checks passed	View alarms	us-west-1a	-

