

SETUP TERRAFORM on your local computer

```
users-MacBook-Pro:~ user$  
users-MacBook-Pro:~ user$  
users-MacBook-Pro:~ user$  
users-MacBook-Pro:~ user$  
users-MacBook-Pro:~ user$ brew --version  
Homebrew 4.3.15  
users-MacBook-Pro:~ user$ terraform --version  
Terraform v1.9.4  
on darwin_amd64  
users-MacBook-Pro:~ user$  
users-MacBook-Pro:~ user$ █
```

- Launch a VPC resource 10.0.0.0/16 in us-west-2
- Launch an Amazon Linux 2 EC2 in the default VPC in us-west-2

Terraform apply results

```
Enter a value: yes  
aws_vpc.main: Creating...  
aws_vpc.main: Still creating... [10s elapsed]  
aws_vpc.main: Creation complete after 13s [id=vpc-09bbbee83f66b4550]  
aws_internet_gateway.main: Creating...  
aws_route_table.private: Creating...  
aws_subnet.private_2: Creating...  
aws_subnet.private_1: Creating...  
aws_subnet.public_1: Creating...  
aws_subnet.public_2: Creating...  
aws_security_group.allow_web_ssh: Creating...  
aws_internet_gateway.main: Creation complete after 1s [id=igw-0191cef116fddecd3]  
aws_subnet.public_1: Creation complete after 1s [id=subnet-079235e2d6ba6cb2d]  
aws_subnet.private_2: Creation complete after 1s [id=subnet-0afac557365bcfef2]  
aws_route_table.public: Creating...  
aws_subnet.private_1: Creation complete after 1s [id=subnet-03cd10e234c347ba5]  
aws_subnet.public_2: Creation complete after 1s [id=subnet-086d2fa6d15bd16e6]  
aws_route_table.private: Creation complete after 1s [id=rtb-0a711c7de8fba7cad]  
aws_route_table_association.private_1: Creating...  
aws_route_table_association.private_2: Creating...  
aws_route_table_association.private_1: Creation complete after 1s [id=rtbassoc-0bcd4fd81ba28f7c5]  
aws_route_table_association.private_2: Creation complete after 1s [id=rtbassoc-086b82ac41c5d25ef]  
aws_route_table.public: Creation complete after 2s [id=rtb-0cf0265360b6b3c06]  
aws_route_table_association.public_1: Creating...  
aws_route_table_association.public_2: Creating...  
aws_security_group.allow_web_ssh: Creation complete after 3s [id=sg-002b4d6c2fa3ee18c]  
aws_instance.example: Creating...  
aws_route_table_association.public_1: Creation complete after 0s [id=rtbassoc-00c8e5b5ea9fbcac9]  
aws_route_table_association.public_2: Creation complete after 0s [id=rtbassoc-026893e36fa0b0bd4]  
aws_instance.example: Still creating... [10s elapsed]  
aws_instance.example: Still creating... [20s elapsed]  
aws_instance.example: Still creating... [30s elapsed]  
aws_instance.example: Creation complete after 34s [id=i-0668ca342aadd3e3b]  
  
Apply complete! Resources: 14 added, 0 changed, 0 destroyed.
```

Terraform destroyed results

```
- map_public_ip_on_launch      = false -> null
- owner_id                    = "975049985507" -> null
- private_dns_hostname_type_on_launch = "ip-name" -> null
- tags                        = {
  - "Name" = "Public Subnet 2"
} -> null
- tags_all                    = {
  - "Name" = "Public Subnet 2"
} -> null
- vpc_id                      = "vpc-09bbbee83f66b4550" -> null
# (4 unchanged attributes hidden)
}

# aws_vpc.main will be destroyed
- resource "aws_vpc" "main" {
  - arn                    = "arn:aws:ec2:us-west-2:975049985507:vpc/vpc-09bbbee83f66b4550" -> null
  - assign_generated_ipv6_cidr_block = false -> null
  - cidr_block              = "10.0.0.0/16" -> null
  - default_network_acl_id   = "acl-015308ab7eb05ed95" -> null
  - default_route_table_id   = "rtb-084daa20470768c42" -> null
  - default_security_group_id = "sg-0fcc91261ceb04140" -> null
  - dhcp_options_id         = "dopt-0b1a5f9dddf86ec5" -> null
  - enable_dns_hostnames     = true -> null
  - enable_dns_support       = true -> null
  - enable_network_address_usage_metrics = false -> null
  - id                      = "vpc-09bbbee83f66b4550" -> null
  - instance_tenancy        = "default" -> null
  - ipv6_netmask_length      = 0 -> null
  - main_route_table_id     = "rtb-084daa20470768c42" -> null
  - owner_id                = "975049985507" -> null
  - tags                    = {
    - "Name" = "Terraform-main-vpc"
  } -> null
  - tags_all                = {
    - "Name" = "Terraform-main-vpc"
  } -> null
# (4 unchanged attributes hidden)
}
```

Plan: 0 to add, 0 to change, 14 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: