## VAIBHAV JORVEKAR

CREATE VPC, 2 SUBNET, 1 PRIVATE AND 1 PUBLIC, 2 ROUTE TABLE AND 1 INTERNET GATEWAY

## VPC CODE

```
ypc.tf
           ×
vpc > 🍟 vpc.tf > 😭 resource "aws_internet_gateway" "igw"
       resource "aws_vpc" "myvpc" {
           cidr_block = "10.0.0.0/16"
           tags = {
               Name = "my terraformvpc"
       resource "aws subnet" "PublicSubnet" {
           vpc_id = aws_vpc.myvpc.id
           cidr block = "10.0.1.0/24"
 11
 12
       resource "aws_subnet" "PrivateSubnet" {
 13
           vpc_id = aws_vpc.myvpc.id
           cidr_block = "10.0.2.0/24"
       resource "aws_internet_gateway" "igw" {
 18
           vpc_id = aws_vpc.myvpc.id
       resource "aws_route_table" "PublicRT" {
           vpc_id = aws_vpc.myvpc.id
           route {
               cidr_block = "0.0.0.0/0"
               gateway_id = aws_internet_gateway.igw.id
       resource "aws_route_table_association" "PublicRTassociation" {
           subnet_id = aws_subnet.PublicSubnet.id
           route table id = aws route table.PublicRT.id
```

## TERRAFORM PLAN

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

terraform will perform the following actions:

# aws_internet_gateway.jup will be created

* resource "aws_internet_gateway." igum" {

* arm = (known after apply)

* id = (known after apply)

* tags_all = (known after apply)

* yoc_id = (known after apply)

* yoc_id = (known after apply)

* arm = (known after apply)

* yoc_id = (known after apply)

* propagating_vgms = (known after apply)

* propagating_vgms = (known after apply)

* prote = {

* carrier_gateway_id = ""

* destination_prefix_list_id = ""

* snipping fool

* Screenshot copied to clipboard and saved

* Sciech here to mark up and share.

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* Sciech here to mark up and share.
```

```
+ resource "aws_subnet" "PrivateSubnet" {
                                                    = (known after apply)
                                                    = false
    + assign_ipv6_address_on_creation
   + availability_zone
                                                    = (known after apply)
   + availability_zone_id
                                                    = (known after apply)
   + cidr_block
                                                    = "10.0.2.0/24"
   + enable_dns64
                                                    = false
   + enable_resource_name_dns_a_record_on_launch
                                                  = false
   + enable_resource_name_dns_aaaa_record_on_launch = false
                                                    = (known after apply)
    + ipv6_cidr_block_association_id
                                                    = (known after apply)
                                                    = false
    + ipv6_native
                                                    = false
   + map_public_ip_on_launch
   + owner_id
                                                   = (known after apply)
   + private_dns_hostname_type_on_launch
                                                  = (known after apply)
                                                    = (known after apply)
   + tags_all
                                                    = (known after apply)
    + vpc_id
 }
# aws_subnet.PublicSubnet will be created
+ resource "aws_subnet" "PublicSubnet" {
                                                    = (known after apply)
    + arn
   + assign_ipv6_address_on_creation
                                                    = false
   + availability_zone
                                                    = (known after apply)
   + availability_zone_id
                                                    = (known after apply)
                                                    = "10.0.1.0/24"
   + cidr_block
    + enable_dns64
                                                    = false
    + enable_resource_name_dns_a_record_on_launch
                                                    = false
    + enable_resource_name_dns_aaaa_record_on_launch = false
   + id
                                                    = (known after apply)
                                                    = (known after apply)
    + ipv6_cidr_block_association_id
    ipv6_native
                                                    = false
                                                    = false
   + map_public_ip_on_launch
                                                    = (known after apply)
   + owner_id
   + private_dns_hostname_type_on_launch
                                                    = (known after apply)
```

```
= (known after apply)
    + vpc_id
 }
# aws_vpc.myvpc will be created
+ resource "aws_vpc" "myvpc" {
                                          = (known after apply)
    + arn
   + cidr_block
                                         = "10.0.0.0/16"
   + default_network_acl_id
                                         = (known after apply)
   + default_route_table_id
                                         = (known after apply)
   + default_security_group_id
                                        = (known after apply)
                                         = (known after apply)
   + dhcp_options_id
                                         = (known after apply)
   + enable_dns_hostnames
   + enable_dns_support
                                         = true
   + enable_network_address_usage_metrics = (known after apply)
   + id
                                          = (known after apply)
                                          = "default"
   + instance_tenancy
                                          = (known after apply)
   + ipv6_association_id
   + ipv6_cidr_block
                                          = (known after apply)
   + ipv6_cidr_block_network_border_group = (known after apply)
   + main_route_table_id
                                          = (known after apply)
   + owner_id
                                          = (known after apply)
    + tags
        + "Name" = "my terraformvpc"
                                          = {
    + tags_all
       + "Name" = "my terraformvpc"
```

## TERRAFORM APPLY

```
vaibhav@DESKTOP-P3NSBEM:/mnt/c/terra/vpc$ terraform apply -auto-approve
aws_vpc.myvpc: Refreshing state... [id=vpc-0e04fb68b30506c0d]
aws_subnet.PrivateSubnet: Refreshing state... [id=subnet-0e4ld4d5b7b602fa679]
aws_subnet.PublicSubnet: Refreshing state... [id=subnet-0d4dd5b7b602fa679]
aws_internet_gateway.igw: Refreshing state... [id=igw-0eca6009cddeal08f]
aws_route_table.PublicRT: Refreshing state... [id=rtb-0d6defe131b24023d]
aws_route_table_association.PublicRTassociation: Refreshing state... [id=rtbassoc-04405e425cefa0e98]

Plan: 6 to add, 0 to change, 0 to destroy.
aws_vpc.myvpc: Creating...
aws_vpc.myvpc: Creating...
aws_vpc.myvpc: Creating...
aws_vpc.myvpc: Creating...
aws_subnet.PrivateSubnet: Creating...
aws_subnet.PrivateSubnet: Creating...
aws_subnet.PublicSubnet: Creating...
aws_subnet.PublicSubnet: Creation complete after 3s [id=subnet-012ab716cb36df7bc]
aws_subnet.PublicSubnet: Creation complete after 3s [id=subnet-065b8f8d7c57e6732]
aws_internet_gateway.igw: Creation complete after 3s [id=subnet-012ab716cb36df7bc]
```

COMPLETE THE CREATE VPC, 2 SUBNET, 1 PRIVATE AND 1 PUBLIC, 2 ROUTE TABLE AND 1 INTERNET GATEWAY.

