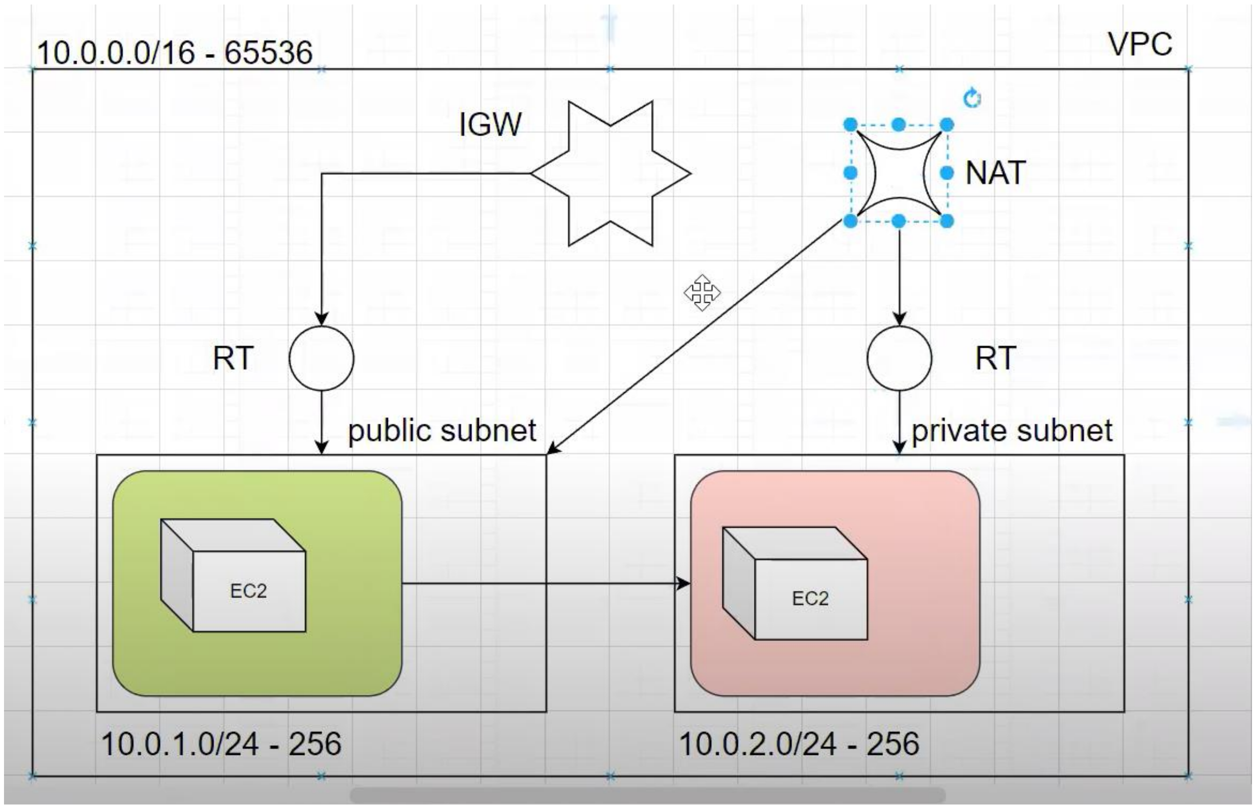
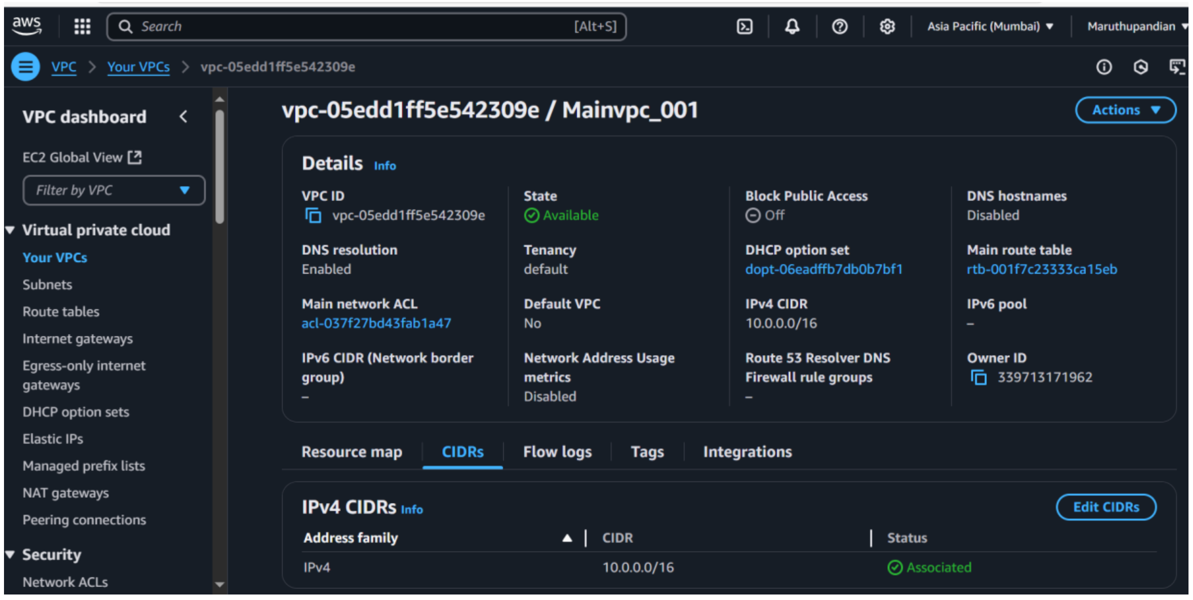
Working diagram.



VPC – 1



vpc-05edd1ff5e542309e / Mainvpc_001

Details Info

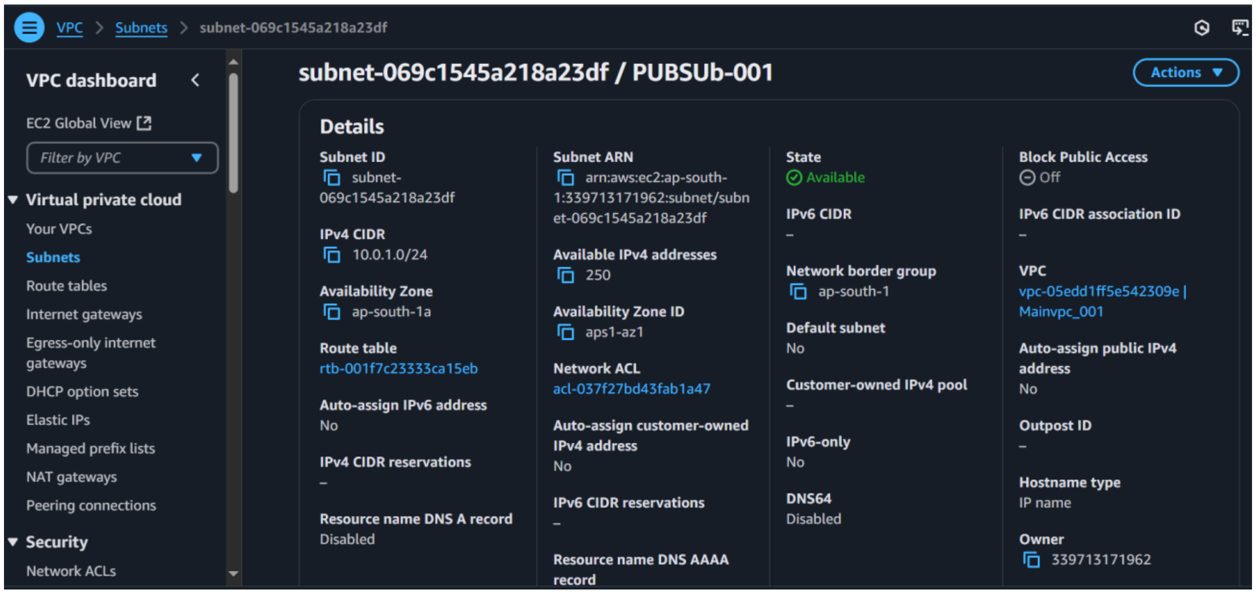
VPC ID vpc-05edd1ff5e542309e	State Available	Block Public Access Off	DNS hostnames Disabled
DNS resolution Enabled	Tenancy default	DHCP option set dopt-06eadffb7db0b7bf1	Main route table rtb-001f7c23333ca15eb
Main network ACL acl-037f27bd43fab1a47	Default VPC No	IPv4 CIDR 10.0.0.0/16	IPv6 pool –
IPv6 CIDR (Network border group) –	Network Address Usage metrics Disabled	Route 53 Resolver DNS Firewall rule groups –	Owner ID 339713171962

Resource map | CIDRs | Flow logs | Tags | Integrations

IPv4 CIDRs Info — Edit CIDRs

Address family	CIDR	Status
IPv4	10.0.0.0/16	Associated

Subnet – pub



subnet-069c1545a218a23df / PUBSUb-001

Details

Subnet ID
subnet-069c1545a218a23df

IPv4 CIDR
10.0.1.0/24

Availability Zone
ap-south-1a

Route table
rtb-001f7c23333ca15eb

Auto-assign IPv6 address
No

IPv4 CIDR reservations
–

Resource name DNS A record
Disabled

Subnet ARN
arn:aws:ec2:ap-south-1:339713171962:subnet/subnet-069c1545a218a23df

Available IPv4 addresses
250

Availability Zone ID
aps1-az1

Network ACL
acl-037f27bd43fab1a47

Auto-assign customer-owned IPv4 address
No

IPv6 CIDR reservations
–

Resource name DNS AAAA record

State
Available

IPv6 CIDR
–

Network border group
ap-south-1

Default subnet
No

Customer-owned IPv4 pool
–

IPv6-only
No

DNS64
Disabled

Block Public Access
Off

IPv6 CIDR association ID
–

VPC
vpc-05edd1ff5e542309e | Mainvpc_001

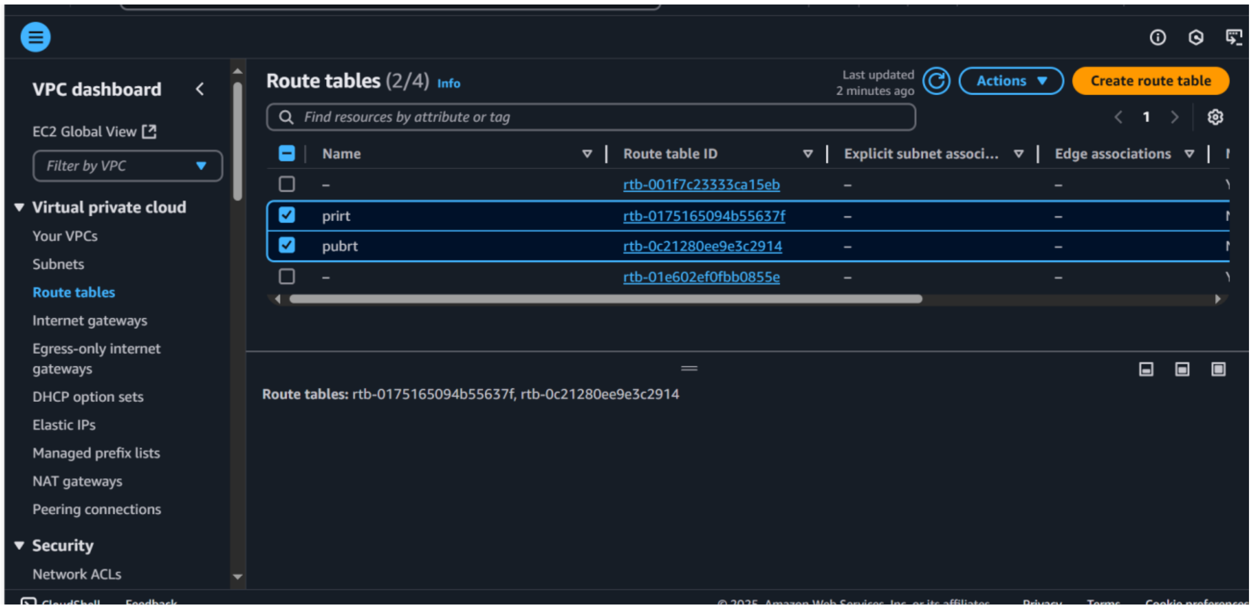
Auto-assign public IPv4 address
No

Outpost ID
–

Hostname type
IP name

Owner
339713171962

Route tables

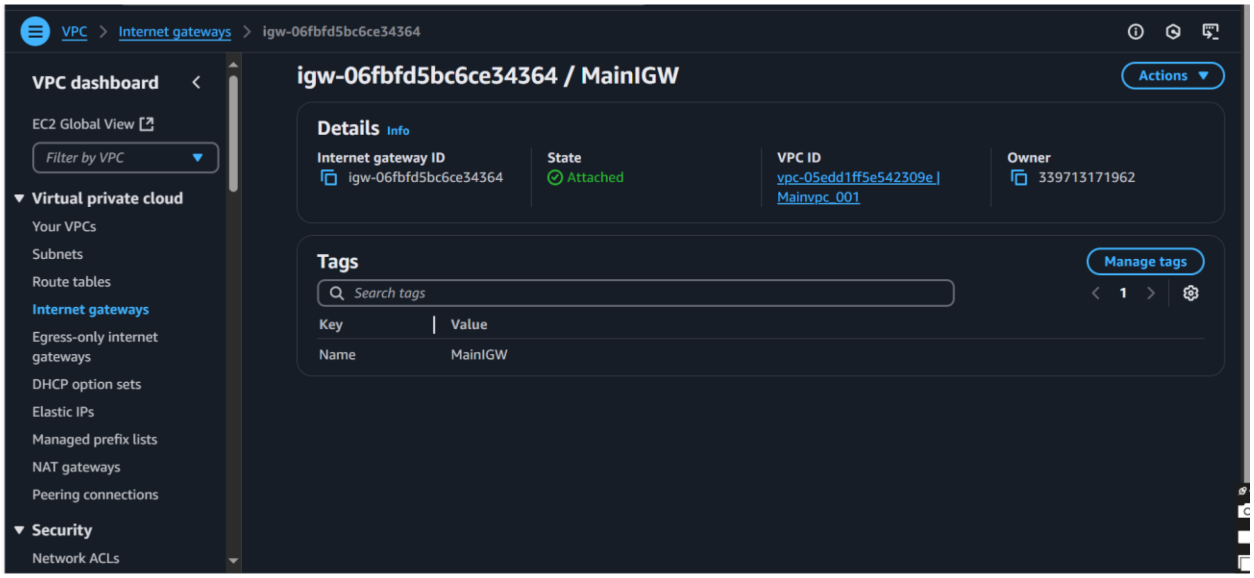


Route tables (2/4) Info

	Name	Route table ID	Explicit subnet associ...	Edge associations
☐	–	rtb-001f7c23333ca15eb	–	–
✓	prirt	rtb-0175165094b55637f	–	–
✓	pubrt	rtb-0c21280ee9e3c2914	–	–
☐	–	rtb-01e602ef0fbb0855e	–	–

Route tables: rtb-0175165094b55637f, rtb-0c21280ee9e3c2914

Internet Gateway



igw-06fbfd5bc6ce34364 / MainIGW

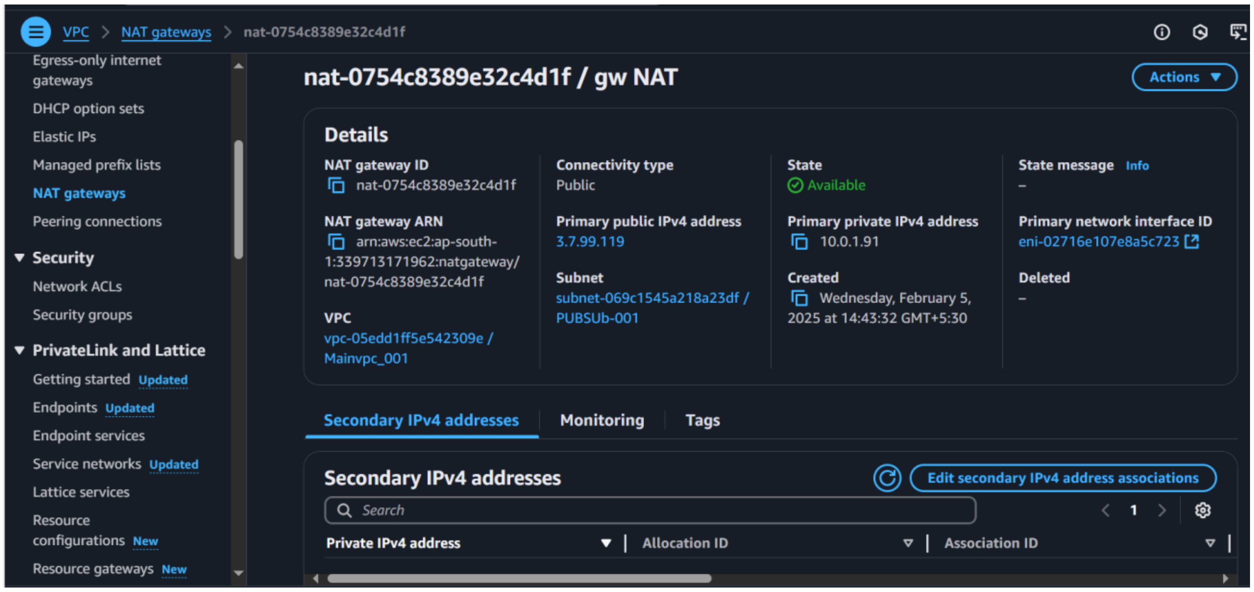
Details Info

Internet gateway ID	State	VPC ID	Owner
igw-06fbfd5bc6ce34364	Attached	vpc-05edd1ff5e542309e | Mainvpc_001	339713171962

Tags

Key	Value
Name	MainIGW

NAT Gateway



nat-0754c8389e32c4d1f / gw NAT

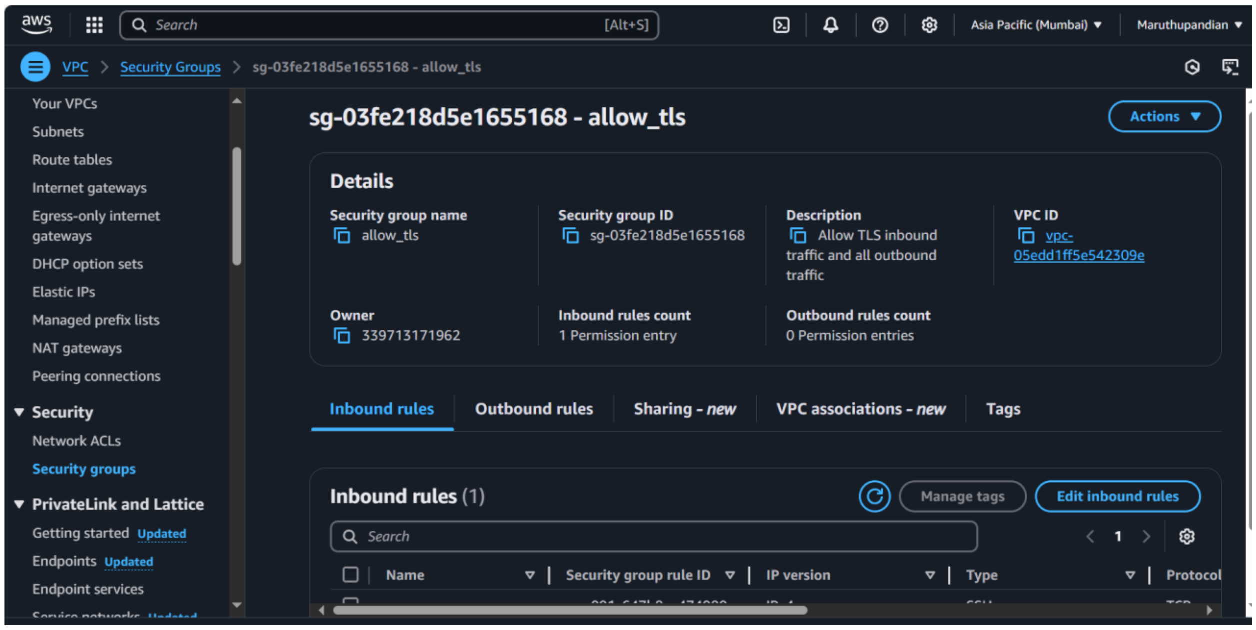
Details

NAT gateway ID: nat-0754c8389e32c4d1f
Connectivity type: Public
State: Available
State message Info: –
NAT gateway ARN: arn:aws:ec2:ap-south-1:339713171962:natgateway/nat-0754c8389e32c4d1f
Primary public IPv4 address: 3.7.99.119
Primary private IPv4 address: 10.0.1.91
Primary network interface ID: eni-02716e107e8a5c723
VPC: vpc-05edd1ff5e542309e / Mainvpc_001
Subnet: subnet-069c1545a218a23df / PUBSUb-001
Created: Wednesday, February 5, 2025 at 14:43:32 GMT+5:30
Deleted: –

Secondary IPv4 addresses

Private IPv4 address	Allocation ID	Association ID

Security Groups



VPC > Security Groups > sg-03fe218d5e1655168 - allow_tls

sg-03fe218d5e1655168 - allow_tls

Details

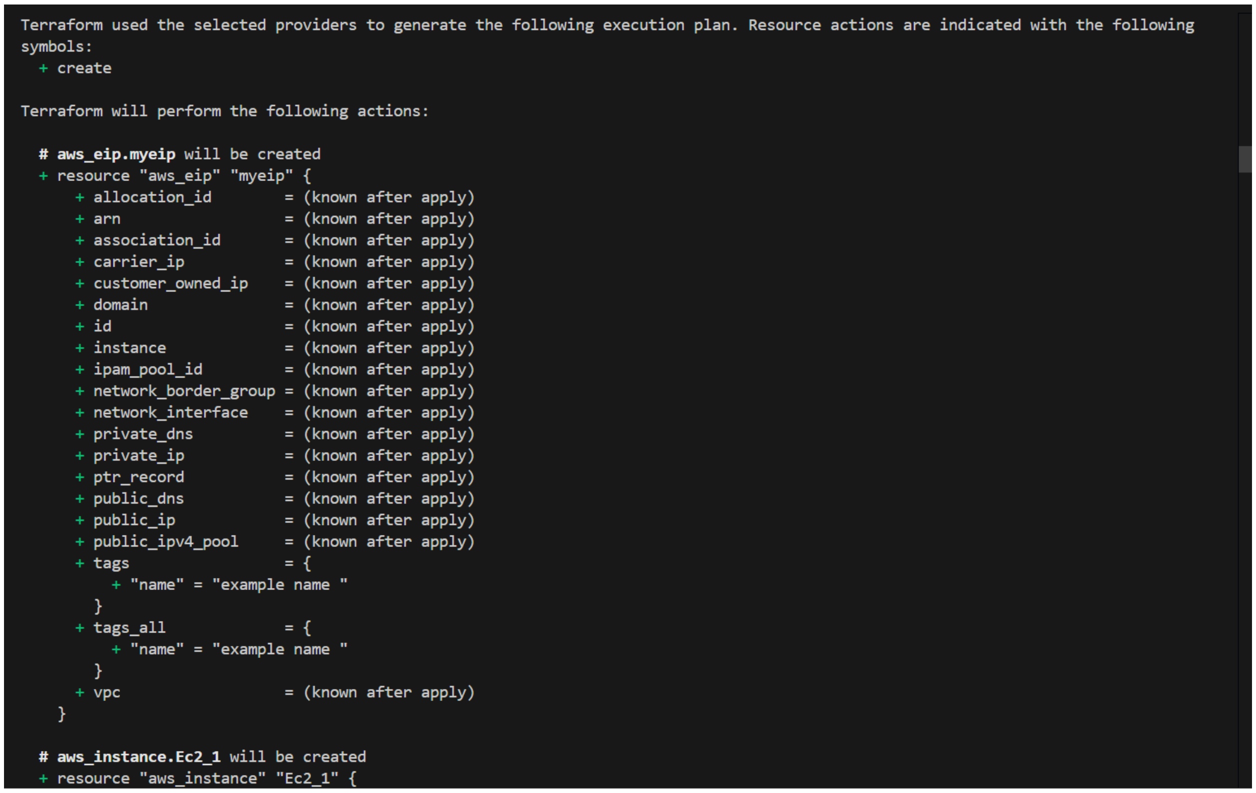
Security group name	Security group ID	Description	VPC ID
allow_tls	sg-03fe218d5e1655168	Allow TLS inbound traffic and all outbound traffic	vpc-05edd1ff5e542309e

Owner	Inbound rules count	Outbound rules count
339713171962	1 Permission entry	0 Permission entries

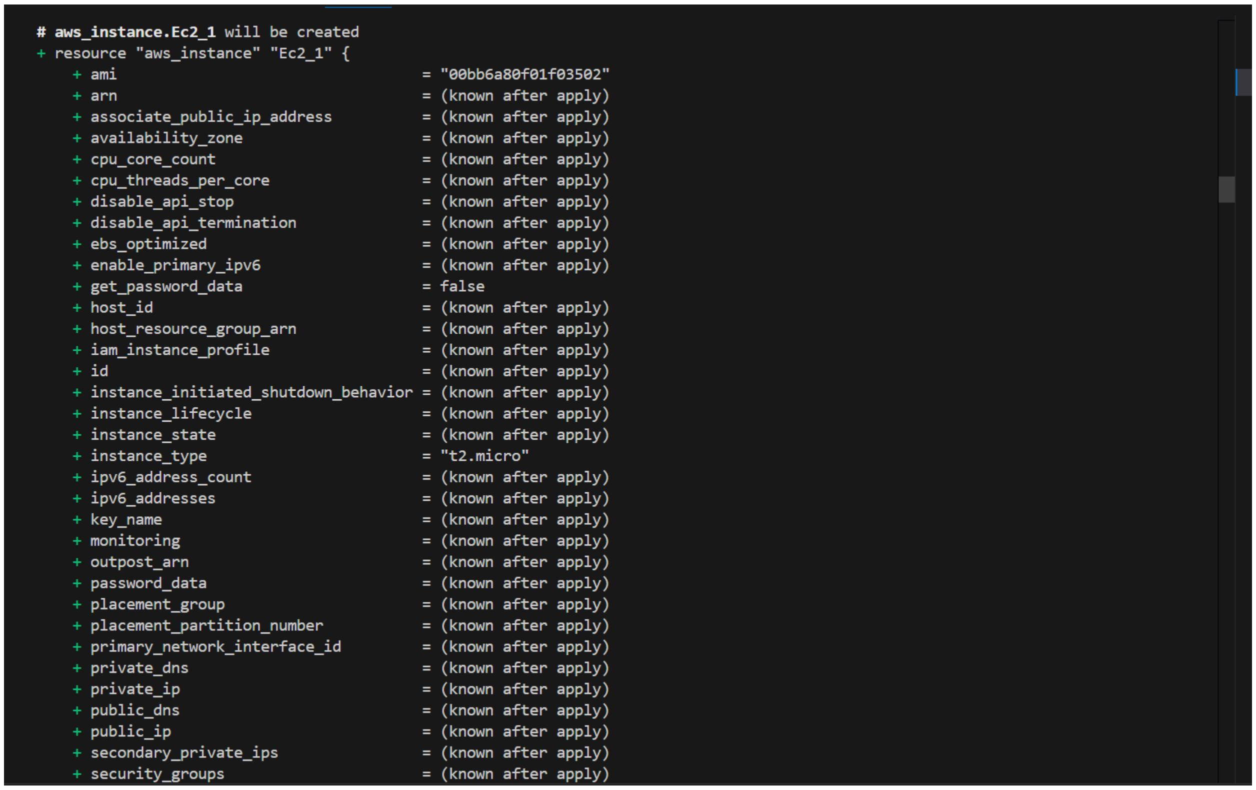
Inbound rules (1)

Name	Security group rule ID	IP version	Type	Protocol

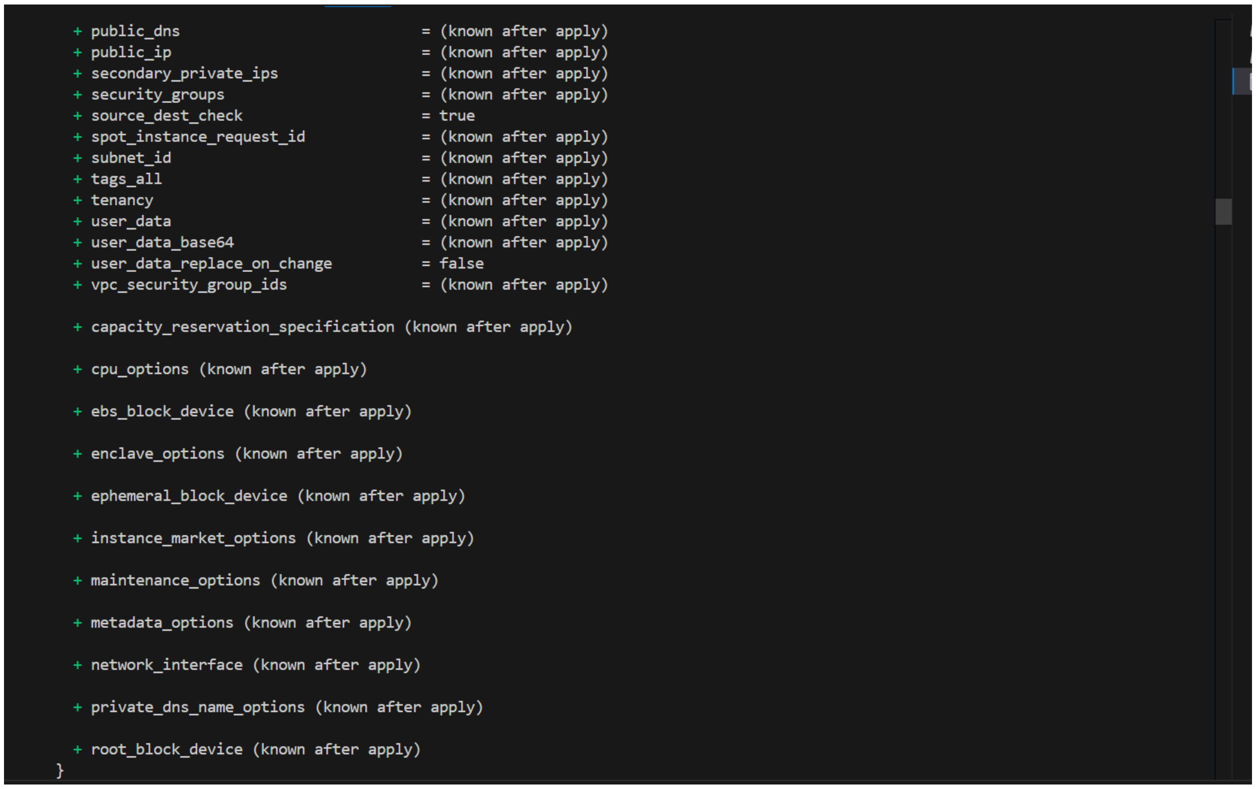
Terraform console Output:-



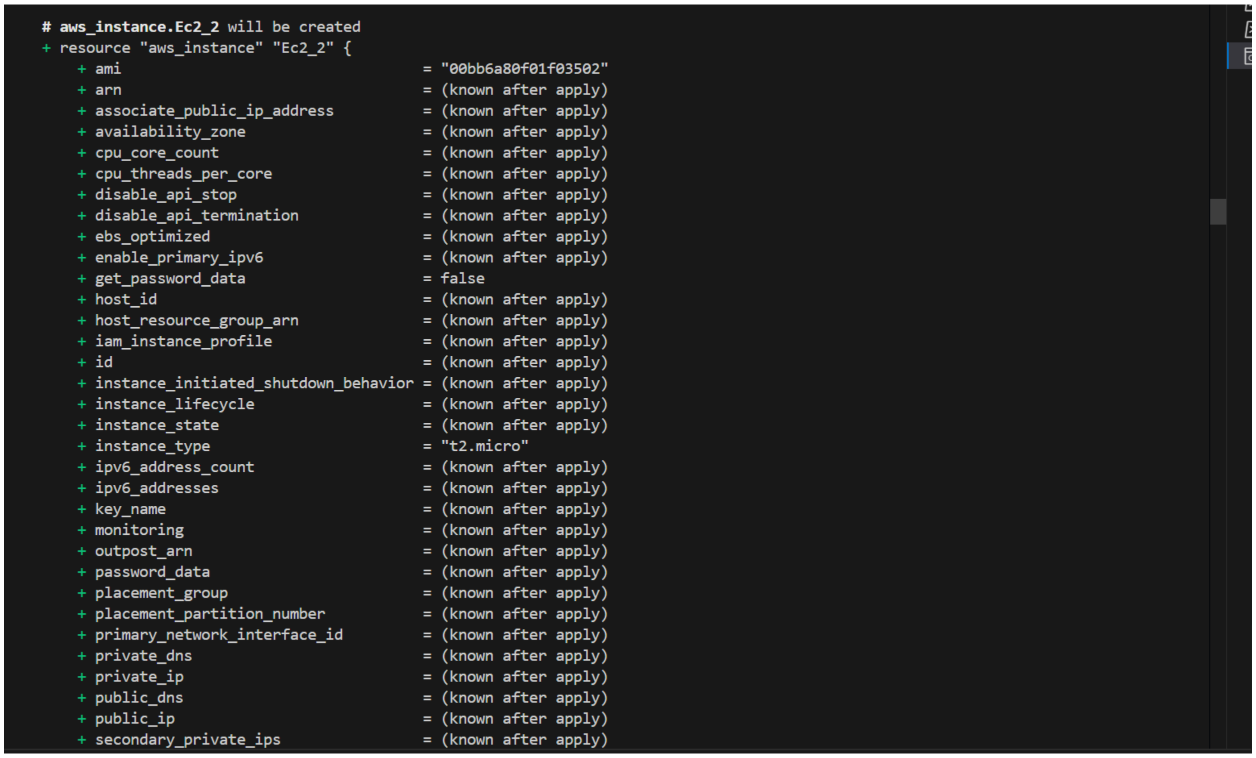
```
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following
symbols:
  + create

Terraform will perform the following actions:

  # aws_eip.myeip will be created
  + resource "aws_eip" "myeip" {
      + allocation_id        = (known after apply)
      + arn                  = (known after apply)
      + association_id       = (known after apply)
      + carrier_ip           = (known after apply)
      + customer_owned_ip    = (known after apply)
      + domain               = (known after apply)
      + id                   = (known after apply)
      + instance             = (known after apply)
      + ipam_pool_id         = (known after apply)
      + network_border_group = (known after apply)
      + network_interface    = (known after apply)
      + private_dns          = (known after apply)
      + private_ip           = (known after apply)
      + ptr_record           = (known after apply)
      + public_dns           = (known after apply)
      + public_ip            = (known after apply)
      + public_ipv4_pool     = (known after apply)
      + tags                 = {
          + "name" = "example name "
        }
      + tags_all             = {
          + "name" = "example name "
        }
      + vpc                  = (known after apply)
    }

  # aws_instance.Ec2_1 will be created
  + resource "aws_instance" "Ec2_1" {
```



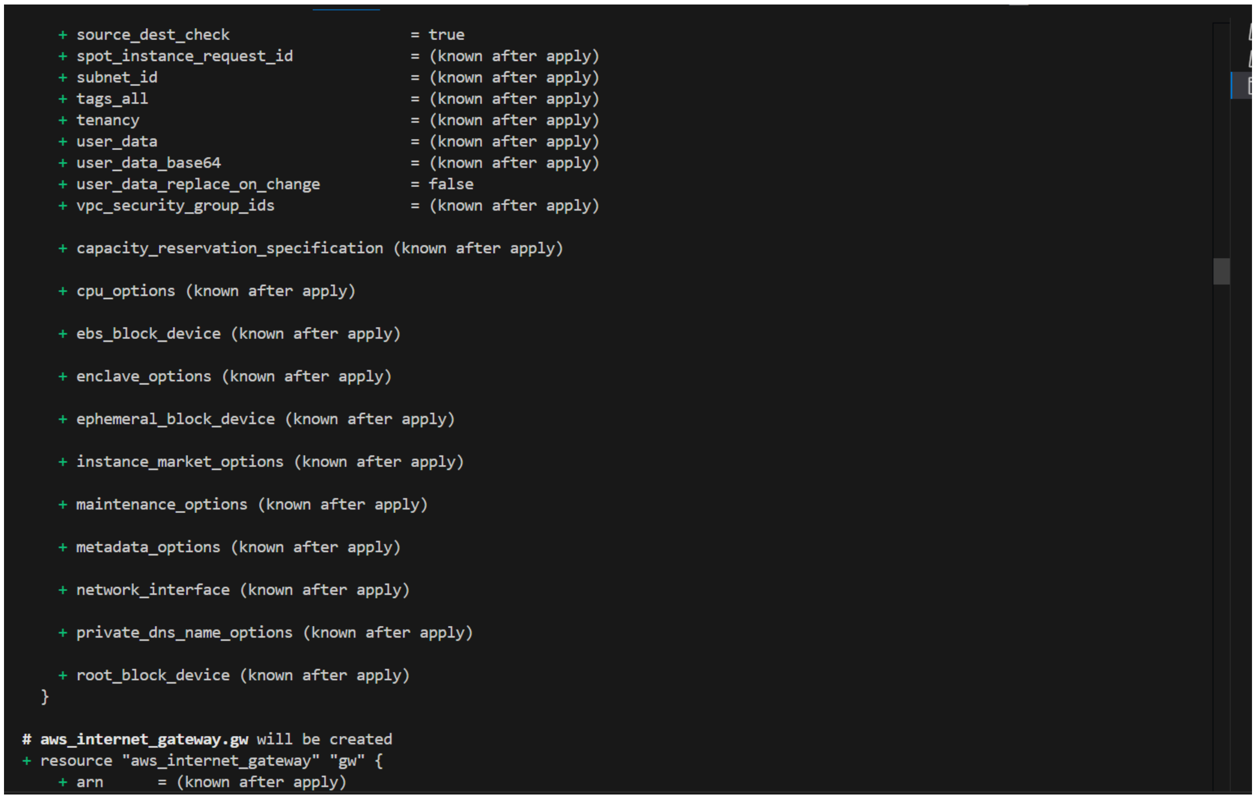
```
  # aws_instance.Ec2_1 will be created
  + resource "aws_instance" "Ec2_1" {
      + ami                                  = "00bb6a80f01f03502"
      + arn                                  = (known after apply)
      + associate_public_ip_address          = (known after apply)
      + availability_zone                    = (known after apply)
      + cpu_core_count                       = (known after apply)
      + cpu_threads_per_core                 = (known after apply)
      + disable_api_stop                     = (known after apply)
      + disable_api_termination              = (known after apply)
      + ebs_optimized                        = (known after apply)
      + enable_primary_ipv6                  = (known after apply)
      + get_password_data                    = false
      + host_id                              = (known after apply)
      + host_resource_group_arn              = (known after apply)
      + iam_instance_profile                 = (known after apply)
      + id                                   = (known after apply)
      + instance_initiated_shutdown_behavior = (known after apply)
      + instance_lifecycle                   = (known after apply)
      + instance_state                       = (known after apply)
      + instance_type                        = "t2.micro"
      + ipv6_address_count                   = (known after apply)
      + ipv6_addresses                       = (known after apply)
      + key_name                             = (known after apply)
      + monitoring                           = (known after apply)
      + outpost_arn                          = (known after apply)
      + password_data                        = (known after apply)
      + placement_group                      = (known after apply)
      + placement_partition_number           = (known after apply)
      + primary_network_interface_id         = (known after apply)
      + private_dns                          = (known after apply)
      + private_ip                           = (known after apply)
      + public_dns                           = (known after apply)
      + public_ip                            = (known after apply)
      + secondary_private_ips                = (known after apply)
      + security_groups                      = (known after apply)
```



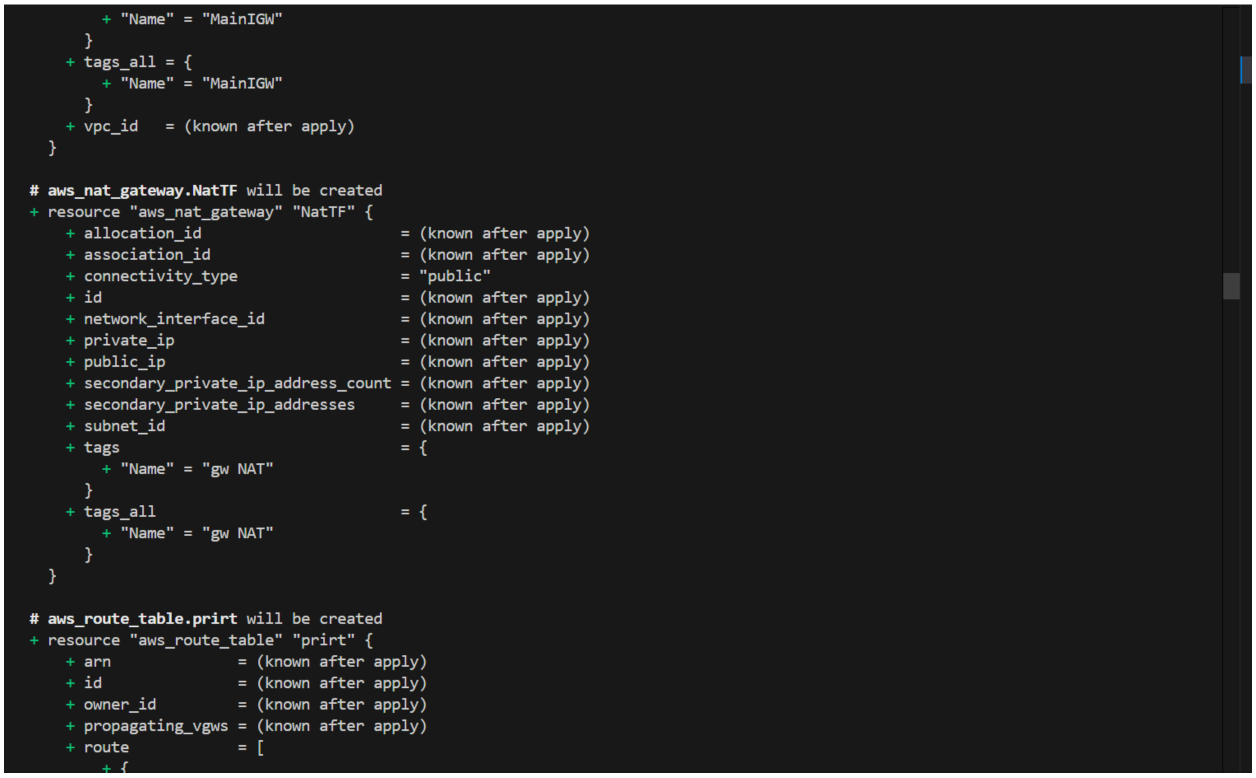
```
      + public_dns                           = (known after apply)
      + public_ip                            = (known after apply)
      + secondary_private_ips                = (known after apply)
      + security_groups                      = (known after apply)
      + source_dest_check                    = true
      + spot_instance_request_id             = (known after apply)
      + subnet_id                            = (known after apply)
      + tags_all                             = (known after apply)
      + tenancy                              = (known after apply)
      + user_data                            = (known after apply)
      + 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)
    }
```



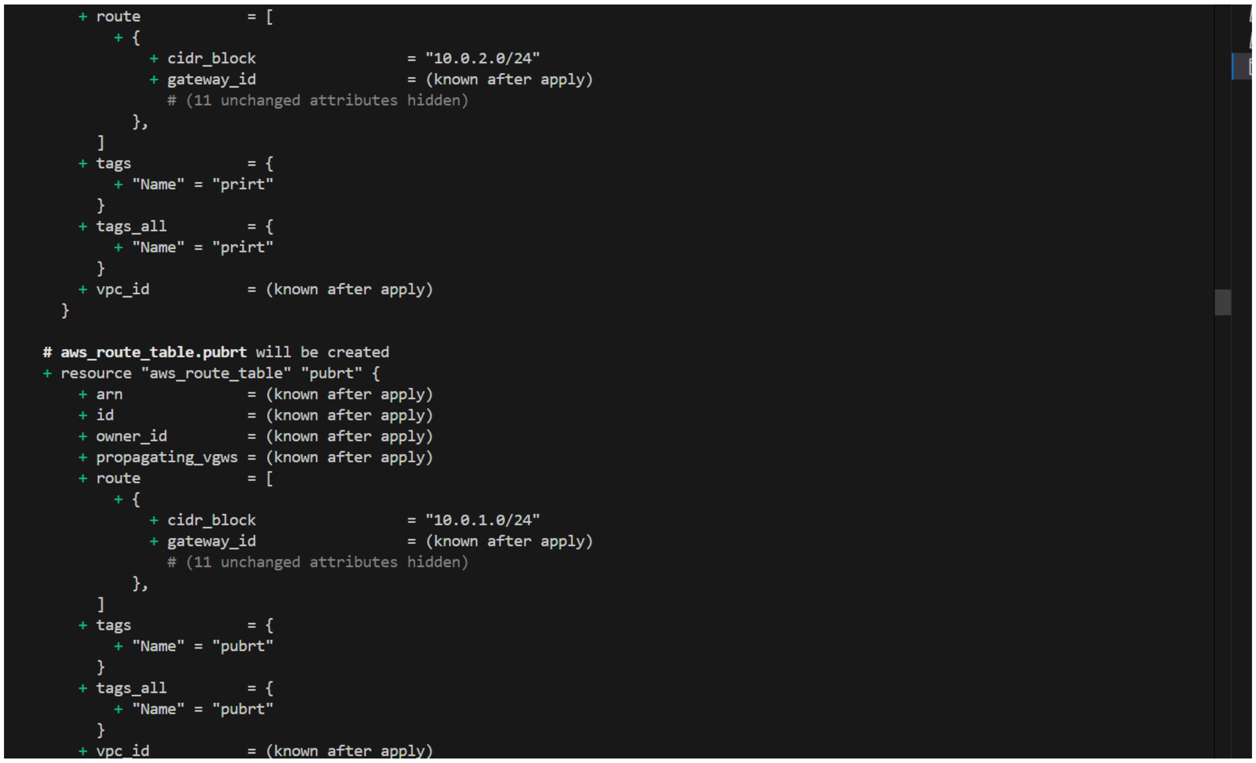
```
  # aws_instance.Ec2_2 will be created
  + resource "aws_instance" "Ec2_2" {
      + ami                                  = "00bb6a80f01f03502"
      + arn                                  = (known after apply)
      + associate_public_ip_address          = (known after apply)
      + availability_zone                    = (known after apply)
      + cpu_core_count                       = (known after apply)
      + cpu_threads_per_core                 = (known after apply)
      + disable_api_stop                     = (known after apply)
      + disable_api_termination              = (known after apply)
      + ebs_optimized                        = (known after apply)
      + enable_primary_ipv6                  = (known after apply)
      + get_password_data                    = false
      + host_id                              = (known after apply)
      + host_resource_group_arn              = (known after apply)
      + iam_instance_profile                 = (known after apply)
      + id                                   = (known after apply)
      + instance_initiated_shutdown_behavior = (known after apply)
      + instance_lifecycle                   = (known after apply)
      + instance_state                       = (known after apply)
      + instance_type                        = "t2.micro"
      + ipv6_address_count                   = (known after apply)
      + ipv6_addresses                       = (known after apply)
      + key_name                             = (known after apply)
      + monitoring                           = (known after apply)
      + outpost_arn                          = (known after apply)
      + password_data                        = (known after apply)
      + placement_group                      = (known after apply)
      + placement_partition_number           = (known after apply)
      + primary_network_interface_id         = (known after apply)
      + private_dns                          = (known after apply)
      + private_ip                           = (known after apply)
      + public_dns                           = (known after apply)
      + public_ip                            = (known after apply)
      + secondary_private_ips                = (known after apply)
```



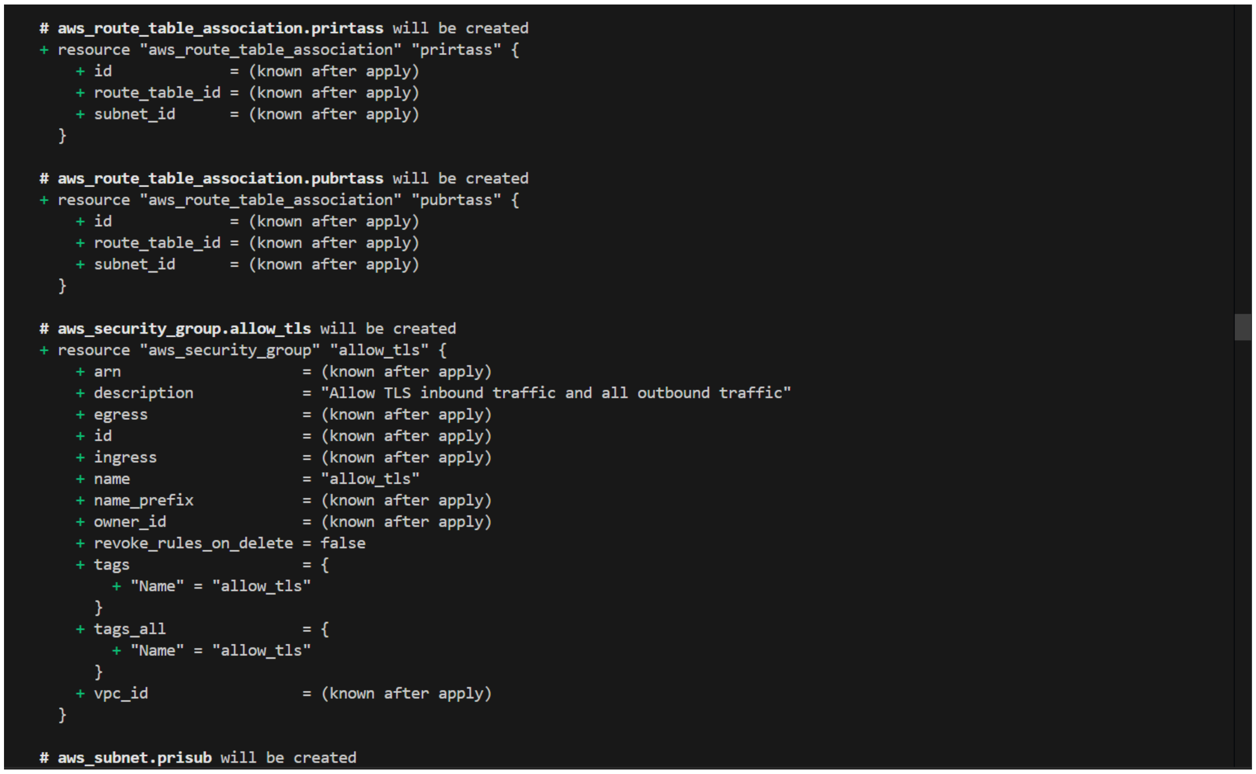
```
      + source_dest_check                    = true
      + spot_instance_request_id             = (known after apply)
      + subnet_id                            = (known after apply)
      + tags_all                             = (known after apply)
      + tenancy                              = (known after apply)
      + user_data                            = (known after apply)
      + 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)
    }

  # aws_internet_gateway.gw will be created
  + resource "aws_internet_gateway" "gw" {
      + arn      = (known after apply)
```



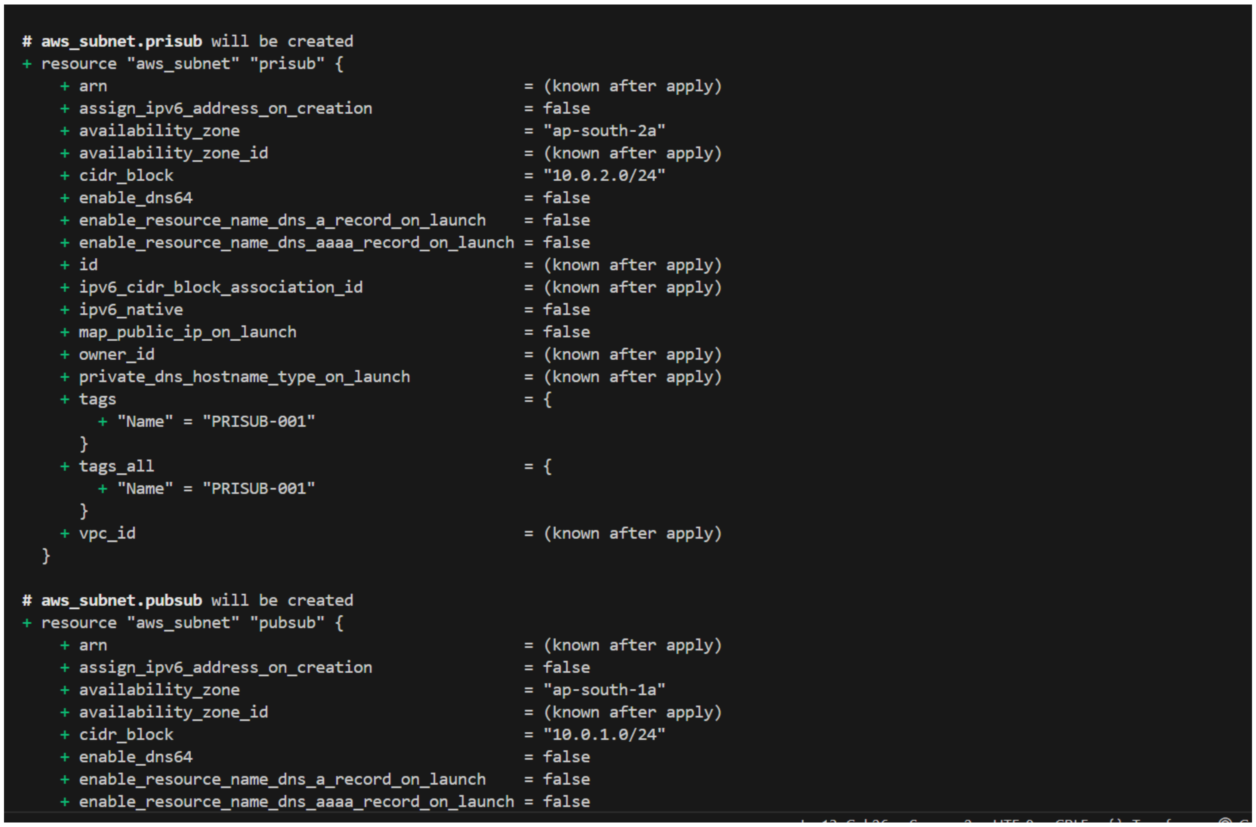
```
          + "Name" = "MainIGW"
        }
      + tags_all = {
          + "Name" = "MainIGW"
        }
      + vpc_id   = (known after apply)
    }

  # aws_nat_gateway.NatTF will be created
  + resource "aws_nat_gateway" "NatTF" {
      + allocation_id                      = (known after apply)
      + association_id                     = (known after apply)
      + connectivity_type                  = "public"
      + id                                 = (known after apply)
      + network_interface_id               = (known after apply)
      + private_ip                         = (known after apply)
      + public_ip                          = (known after apply)
      + secondary_private_ip_address_count = (known after apply)
      + secondary_private_ip_addresses     = (known after apply)
      + subnet_id                          = (known after apply)
      + tags                               = {
          + "Name" = "gw NAT"
        }
      + tags_all                           = {
          + "Name" = "gw NAT"
        }
    }

  # aws_route_table.prirt will be created
  + resource "aws_route_table" "prirt" {
      + arn              = (known after apply)
      + id               = (known after apply)
      + owner_id         = (known after apply)
      + propagating_vgws = (known after apply)
      + route            = [
          + {
```



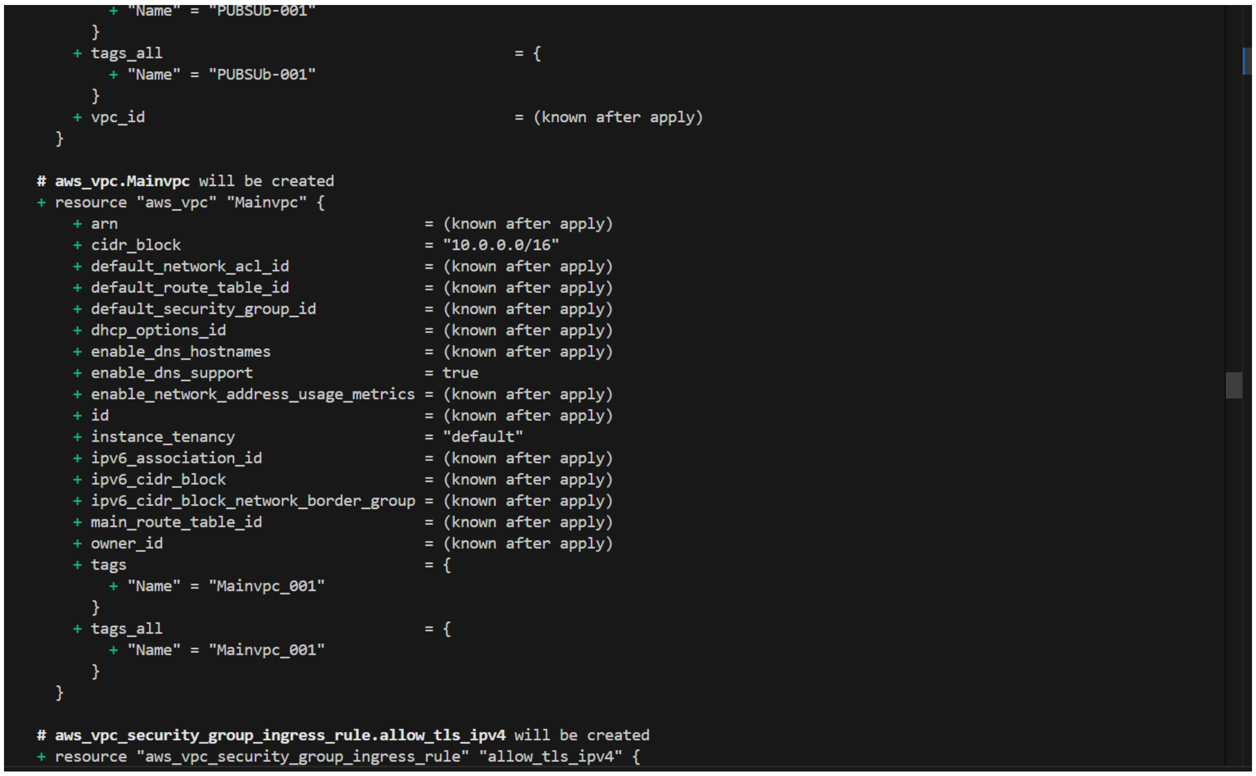
```
      + route            = [
          + {
              + cidr_block                 = "10.0.2.0/24"
              + gateway_id                 = (known after apply)
                # (11 unchanged attributes hidden)
            },
        ]
      + tags             = {
          + "Name" = "prirt"
        }
      + tags_all         = {
          + "Name" = "prirt"
        }
      + vpc_id           = (known after apply)
    }

  # aws_route_table.pubrt will be created
  + resource "aws_route_table" "pubrt" {
      + arn              = (known after apply)
      + id               = (known after apply)
      + owner_id         = (known after apply)
      + propagating_vgws = (known after apply)
      + route            = [
          + {
              + cidr_block                 = "10.0.1.0/24"
              + gateway_id                 = (known after apply)
                # (11 unchanged attributes hidden)
            },
        ]
      + tags             = {
          + "Name" = "pubrt"
        }
      + tags_all         = {
          + "Name" = "pubrt"
        }
      + vpc_id           = (known after apply)
```



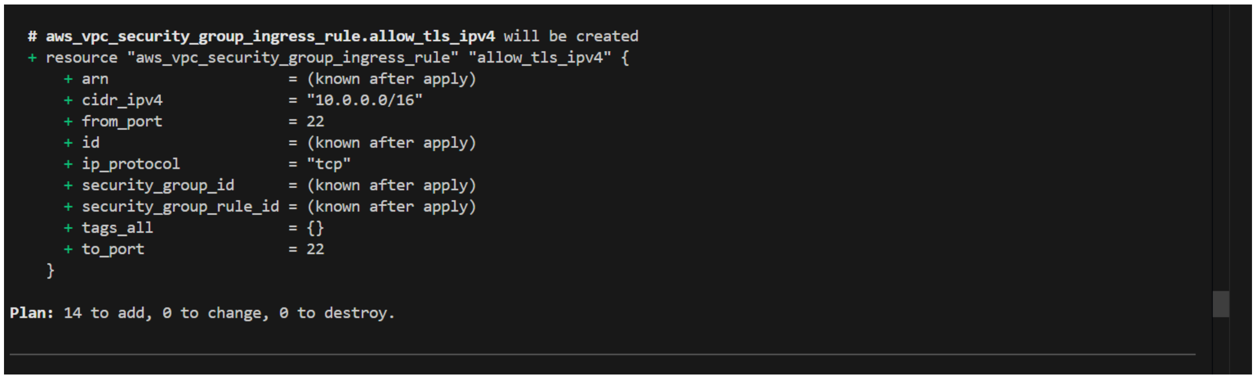
```
  # aws_route_table_association.prirtass will be created
  + resource "aws_route_table_association" "prirtass" {
      + id             = (known after apply)
      + route_table_id = (known after apply)
      + subnet_id      = (known after apply)
    }

  # aws_route_table_association.pubrtass will be created
  + resource "aws_route_table_association" "pubrtass" {
      + id             = (known after apply)
      + route_table_id = (known after apply)
      + subnet_id      = (known after apply)
    }

  # aws_security_group.allow_tls will be created
  + resource "aws_security_group" "allow_tls" {
      + arn                    = (known after apply)
      + description            = "Allow TLS inbound traffic and all outbound traffic"
      + egress                 = (known after apply)
      + id                     = (known after apply)
      + ingress                = (known after apply)
      + name                   = "allow_tls"
      + name_prefix            = (known after apply)
      + owner_id               = (known after apply)
      + revoke_rules_on_delete = false
      + tags                   = {
          + "Name" = "allow_tls"
        }
      + tags_all               = {
          + "Name" = "allow_tls"
        }
      + vpc_id                 = (known after apply)
    }

  # aws_subnet.prisub will be created
```



```
# aws_subnet.prisub will be created
+ resource "aws_subnet" "prisub" {
    + arn                                            = (known after apply)
    + assign_ipv6_address_on_creation                = false
    + availability_zone                              = "ap-south-2a"
    + 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
    + id                                             = (known after apply)
    + ipv6_cidr_block_association_id                 = (known after apply)
    + ipv6_native                                    = false
    + map_public_ip_on_launch                        = false
    + owner_id                                       = (known after apply)
    + private_dns_hostname_type_on_launch            = (known after apply)
    + tags                                           = {
        + "Name" = "PRISUB-001"
      }
    + tags_all                                       = {
        + "Name" = "PRISUB-001"
      }
    + vpc_id                                         = (known after apply)
  }

# aws_subnet.pubsub will be created
+ resource "aws_subnet" "pubsub" {
    + arn                                            = (known after apply)
    + assign_ipv6_address_on_creation                = false
    + availability_zone                              = "ap-south-1a"
    + availability_zone_id                           = (known after apply)
    + cidr_block                                     = "10.0.1.0/24"
    + enable_dns64                                   = false
    + enable_resource_name_dns_a_record_on_launch    = false
    + enable_resource_name_dns_aaaa_record_on_launch = false
```



```
        + "Name" = "PUBSUb-001"
      }
    + tags_all                                       = {
        + "Name" = "PUBSUb-001"
      }
    + vpc_id                                         = (known after apply)
  }

# aws_vpc.Mainvpc will be created
+ resource "aws_vpc" "Mainvpc" {
    + arn                                  = (known after apply)
    + 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)
    + dhcp_options_id                      = (known after apply)
    + enable_dns_hostnames                 = (known after apply)
    + enable_dns_support                   = true
    + enable_network_address_usage_metrics = (known after apply)
    + id                                   = (known after apply)
    + instance_tenancy                     = "default"
    + ipv6_association_id                  = (known after apply)
    + 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" = "Mainvpc_001"
      }
    + tags_all                             = {
        + "Name" = "Mainvpc_001"
      }
  }

# aws_vpc_security_group_ingress_rule.allow_tls_ipv4 will be created
+ resource "aws_vpc_security_group_ingress_rule" "allow_tls_ipv4" {
```



```
  # aws_vpc_security_group_ingress_rule.allow_tls_ipv4 will be created
  + resource "aws_vpc_security_group_ingress_rule" "allow_tls_ipv4" {
      + arn                    = (known after apply)
      + cidr_ipv4              = "10.0.0.0/16"
      + from_port              = 22
      + id                     = (known after apply)
      + ip_protocol            = "tcp"
      + security_group_id      = (known after apply)
      + security_group_rule_id = (known after apply)
      + tags_all               = {}
      + to_port                = 22
    }

Plan: 14 to add, 0 to change, 0 to destroy.
```