bastion/POC.txt

```
sravan@sravankumar:~/terraform/bastion$ terraform init
Initializing the backend...
Initializing provider plugins...
- Reusing previous version of hashicorp/aws from the dependency lock file
- Using previously-installed hashicorp/aws v6.7.0
```

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. sravan@sravankumar:~/terraform/bastion\$ terraform plan

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.nat will be created
+ resource "aws_eip" "nat" {
    + allocation_id
                            = (known after apply)
    + arn
                            = (known after apply)
    + association_id
                            = (known after apply)
                            = (known after apply)
    + carrier_ip
    + customer_owned_ip
                           = (known after apply)
                            = "vpc"
    + domain
    + id
                            = (known after apply)
    + instance
                           = (known after apply)
    + ipam_pool_id
                           = (known after apply)
    + network_border_group = (known after apply)
   + network_outer_group = (known after apply)
+ network_interface = (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)
                            = "us-west-2"
    + region
    + tags
       + "Name" = "nat-eip"
    + tags all
       + "Name" = "nat-eip"
# aws_instance.bastion will be created
+ resource "aws_instance" "bastion" {
                                              = "ami-05f991c49d264708f"
                                              = (known after apply)
    + arn
                                             = (known after apply)
    + associate_public_ip_address
    + availability zone
                                             = (known after apply)
                                             = (known after apply)
    + disable api stop
    + disable api termination
                                             = (known after apply)
    + ebs_optimized
                                             = (known after apply)
                                             = (known after apply)
    + enable_primary_ipv6
    + get_password_data
                                             = false
    + host_id
                                             = (known after apply)
                                             = (known after apply)
    + host_resource_group_arn
    + iam_instance_profile
                                             = (known after apply)
                                              = (known after apply)
    + instance_initiated_shutdown_behavior = (known after apply)
    + instance_lifecycle
                                             = (known after apply)
                                             = (known after apply)
= "t2.micro"
    + instance_state
    + instance_type
                                             = (known after apply)
    + ipv6_address_count
    + ipv6_addresses
                                             = (known after apply)
    + key_name
                                              = "jenQ"
                                              = (known after apply)
    + monitoring
                                              = (known after apply)
    + outpost arn
    + 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)
                                              = (known after apply)
    + private ip
                                              = (known after apply)
    + public_dns
    + public_ip
                                              = (known after apply)
    + region
                                              = "us-west-2"
    + secondary_private_ips
                                             = (known after apply)
    + security_groups
                                              = (known after apply)
    + source_dest_check
                                              = true
                                              = (known after apply)
    + spot_instance_request_id
    + subnet id
                                              = (known after apply)
```

```
+ tags
       + "Name" = "Bastion-Host"
    + tags_all
                                           = {
         "Name" = "Bastion-Host"
                                          = (known after apply)
    + tenancv
   + user_data_base64
                                          = (known after apply)
                                           = false
    + user_data_replace_on_change
                                          = (known after apply)
    + vpc_security_group_ids
    + 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.private_ec2 will be created
+ resource "aws_instance" "private_ec2" {
                                          = "ami-05f991c49d264708f"
   + ami
                                          = (known after apply)
   + associate_public_ip_address
                                        = (known after apply)
   + availability_zone
                                         = (known after apply)
                                         = (known after apply)
   + disable api stop
   + disable_api_termination
                                         = (known after apply)
                                         = (known after apply)
   + ebs optimized
                                          = (known after apply)
   + enable_primary_ipv6
                                         = false
   + get_password_data
   + 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)
                                         = (known after apply)
   + instance_lifecycle
   + instance_state
                                          = (known after apply)
   + instance type
                                          = "t2.micro"
                                         = (known after apply)
   + ipv6 address count
                                          = (known after apply)
= "jenQ"
   + ipv6_addresses
   + key_name
                                          = (known after apply)
   + monitoring
   + outpost_arn
                                          = (known after apply)
    + password_data
                                          = (known after apply)
                                          = (known after apply)
    + placement_group
    + placement_partition_number
                                          = (known after apply)
   + primary_network_interface_id
                                          = (known after apply)
    + private_dns
                                          = (known after apply)
   + private ip
                                          = (known after apply)
                                          = (known after apply)
   + public dns
                                          = (known after apply)
   + public_ip
                                          = "us-west-2"
   + region
   + secondary_private_ips
                                          = (known after apply)
   + security_groups
                                          = (known after apply)
    + source_dest_check
                                          = true
    + spot_instance_request_id
                                          = (known after apply)
                                           = (known after apply)
    + subnet_id
                                           = {
    + tags
       + "Name" = "Private-EC2"
    + tags_all
                                          = {
       + "Name" = "Private-EC2"
     }
    + tenancy
                                          = (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.igw will be created
+ resource "aws_internet_gateway" "igw" {
   + arn = (known after apply)
+ id = (known after apply)
   + owner_id = (known after apply)
   + region = "us-west-2"
             = {
     - 1
+ "Name" = "internet-gateway"
}
   + tags
    + tags_all = {
      + "Name" = "internet-gateway"
   + vpc_id = (known after apply)
# aws_nat_gateway.nat will be created
+ resource "aws_nat_gateway" "nat" {
                                        = (known after apply)
   + allocation id
   + association_id
                                        = (known after apply)
   + connectivity_type
                                       = "public"
                                       = (known after apply)
   + network_interface_id
                                       = (known after apply)
   + private_ip
                                       = (known after apply)
   + public_ip
                                       = (known after apply)
                                       = "us-west-2"
   + region
   + secondary_allocation_ids
                                       = (known after apply)
   + secondary_private_ip_address_count = (known after apply)
   + secondary_private_ip_addresses
                                     = (known after apply)
                                        = (known after apply)
   + subnet_id
                                        = {
       + "Name" = "nat-gateway"
     }
    + tags_all
                                        = {
      + "Name" = "nat-gateway"
# aws route table.private rt will be created
+ resource "aws_route_table" "private_rt" {
                  = (known after apply)
   + arn
                     = (known after apply)
   + id
   + owner_id
                     = (known after apply)
   + propagating_vgws = (known after apply)
   + region = "us-west-2"
                      = [
    + route
       + {
                              = "0.0.0.0/0"
= (known after apply)
          + cidr_block
           + nat gateway id
            # (11 unchanged attributes hidden)
         },
                   = {
   + tags
       + "Name" = "private-rt"
    + tags_all
      + "Name" = "private-rt"
    + vpc_id
                    = (known after apply)
# aws_route_table.public_rt will be created
+ resource "aws_route_table" "public_rt" {
                   = (known after apply)
   + arn
   + id = (known after apply)
+ owner_id = (known after apply)
   + propagating_vgws = (known after apply)
   + region = "us-west-2"
   + route
                      = [
      + {
           + cidr_block
                                        = "0.0.0.0/0"
                                       = (known after apply)
           + gateway id
             # (11 unchanged attributes hidden)
         },
     ]
```

```
+ tags
      + "Name" = "public-rt"
    ,
+ tags_all = {
      + "Name" = "public-rt"
    + vpc id
                    = (known after apply)
# aws_route_table_association.private_assoc will be created
+ resource "aws_route_table_association" "private_assoc" {
              = (known after apply)
= "us-west-2"
    + id
    + route_table_id = (known after apply)
    + subnet_id = (known after apply)
# aws_route_table_association.public_assoc will be created
+ resource "aws_route_table_association" "public_assoc" {
              = (known after apply)
= "us-west-2"
    + id
    + region
    + route_table_id = (known after apply)
    + subnet_id = (known after apply)
# aws_security_group.bastion_sg will be created
+ resource "aws_security_group" "bastion_sg" {
                   = (known after apply)
   + arn
    + description
                            = "Managed by Terraform"
    + egress
                            = [
        + {
           + cidr_blocks
               + "0.0.0.0/0",
            + from_port
            + ipv6_cidr_blocks = []
            + prefix_list_ids = []
            + protocol = "-1'
            + security_groups = []
            + self = false
+ to_port = 0
             # (1 unchanged attribute hidden)
          },
     1
    + id
                            = (known after apply)
                            = [
    + ingress
        + {
           + cidr_blocks
              + "0.0.0.0/0",
            + from_port
            + ipv6_cidr_blocks = []
            + prefix_list_ids = []
            + protocol = "tcp"
            + security_groups = []
           + self = false
+ to_port = 22
             # (1 unchanged attribute hidden)
      1
                            = "bastion-sg"
    + name
    + name_prefix
                            = (known after apply)
    + owner_id
                            = (known after apply)
    + region
                            = "us-west-2"
    + revoke_rules_on_delete = false
                    = {
    + tags
      + "Name" = "bastion-sg"
    + tags_all
      + "Name" = "bastion-sg"
    + vpc_id
                            = (known after apply)
# aws_security_group.private_sg will be created
+ resource "aws_security_group" "private_sg" {
                     = (known after apply)
    + arn
                            = "Managed by Terraform"
    + description
                            = [
    + egress
        + {
            + cidr_blocks
               + "0.0.0.0/0",
            + from_port
            + ipv6_cidr_blocks = []
            + prefix_list_ids = []
            + protocol = "-1"
            + security_groups = []
            + self
                       = false
= 0
            + to_port
```

```
]
                            = (known after apply)
    + ingress
       + {
                           = []
= 22
           + cidr blocks
           + from_port
           + ipv6_cidr_blocks = []
           + prefix_list_ids = []
+ protocol = "tcp"
           + security_groups = (known after apply)
                      = false
= 22
           + self
           + to_port
             # (1 unchanged attribute hidden)
         },
     ]
                            = "private-sg"
   + name
                           = (known after apply)
   + name_prefix
                            = (known after apply)
    + owner_id
                           = "us-west-2"
   + region
    + revoke_rules_on_delete = false
    + tags
     -
+ "Name" = "private-sg"
}
                           = {
    + tags_all
      + "Name" = "private-sg"
   + vpc_id
                            = (known after apply)
# aws_subnet.private will be created
+ resource "aws_subnet" "private" {
                                                    = (known after apply)
   + arn
   + assign_ipv6_address_on_creation
                                                    = false
                                                    = "us-west-2a"
   + availability_zone
    + 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
                                                    = false
   + map_public_ip_on_launch
   + owner_id
                                                    = (known after apply)
   + private_dns_hostname_type_on_launch
                                                    = (known after apply)
    + region
                                                    = "us-west-2"
    + tags
                                                    = {
      + "Name" = "private-subnet"
    + tags_all
                                                    = {
      + "Name" = "private-subnet"
   + vpc_id
                                                    = (known after apply)
# aws_subnet.public will be created
+ resource "aws_subnet" "public" {
                                                    = (known after apply)
                                                    = false
    + assign_ipv6_address_on_creation
                                                    = "us-west-2a"
   + availability_zone
                                                    = (known after apply)
    + availability_zone_id
   + cidr block
                                                    = "10.0.1.0/24"
                                                    = false
   + enable_dns64
   + enable_resource_name_dns_a_record_on_launch
                                                    = false
   + enable_resource_name_dns_aaaa_record_on_launch = false
                                                    = (known after apply)
   + id
   + ipv6_cidr_block_association_id
                                                    = (known after apply)
   + ipv6_native
                                                    = false
   + map_public_ip_on_launch
                                                    = true
    + owner_id
                                                    = (known after apply)
   + private_dns_hostname_type_on_launch
                                                    = (known after apply)
                                                    = "us-west-2"
    + region
    + tags
                                                    = {
      + "Name" = "public-subnet"
     }
    + tags_all
                                                    = {
      + "Name" = "public-subnet"
     }
   + vpc_id
                                                    = (known after apply)
# aws_vpc.main will be created
+ resource "aws_vpc" "main" {
   + arn
                                          = (known after apply)
                                          = "10.0.0.0/16"
   + cidr_block
                                          = (known after apply)
   + default_network_acl_id
   + default route table id
                                          = (known after apply)
                                          = (known after apply)
   + default_security_group_id
```

(1 unchanged attribute hidden)

```
+ ipv6_cidr_block_network_border_group = (known after apply)
      + main_route_table_id
                                            = (known after apply)
      + owner id
                                              = (known after apply)
      + region
                                              = "us-west-2"
                                              = {
      + tags
          + "Name" = "secure-vpc"
      + tags_all
                                              = {
            "Name" = "secure-vpc"
        }
    }
  # aws_vpc_endpoint.s3_endpoint will be created
  + resource "aws_vpc_endpoint" "s3_endpoint" {
                        = (known after apply)
      + arn
      + cidr_blocks
                              = (known after apply)
     - (known after apply)
- ia = (known after apply)
+ ip_address_type = (known after apply)
      + dns_entry
      + network_interface_ids = (known after apply)
                   = (known after apply)
= (known after apply)
      + owner_id
      + policy
      + prefix_list_id
                              = (known after apply)
      + private_dns_enabled = (known after apply)
                            = "us-west-2"
= (known after apply)
      + region
      + requester managed
      + route_table_ids
                              = (known after apply)
      + security_group_ids = (known after apply)
                            = "com.amazonaws.us-west-2.s3"
= (known after apply)
      + service_name
      + service_region
                              = (known after apply)
      + state
      + subnet_ids
                              = (known after apply)
      + tags
          + "Name" = "s3-endpoint"
      + tags all
         + "Name" = "s3-endpoint"
                              = "Gateway"
      + vpc_endpoint_type
                              = (known after apply)
      + vpc_id
      + dns_options (known after apply)
      + subnet_configuration (known after apply)
Plan: 15 to add, 0 to change, 0 to destroy.
Changes to Outputs:
  + bastion_public_ip = (known after apply)
  + private_ec2_id = (known after apply)
  + vpc_id
                      = (known after apply)
Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if you run "terraform apply" no
sravan@sravankumar:~/terraform/bastion$
```

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

= (known after apply)

= (known after apply)

= (known after apply)

= (known after apply)

= true

= "default"

enable_network_address_usage_metrics = (known after apply)

+ dhcp_options_id

+ instance_tenancy

+ ipv6_cidr_block

+ ipv6 association id

ravan@sravankumar:~/terraform/bastion\$ terraform apply

= (known after apply)

= "vpc"

+ network_border_group = (known after apply)
+ network_interface = (known after apply)

Terraform will perform the following actions:

aws_eip.nat will be created
+ resource "aws_eip" "nat" {

+ allocation_id

+ association_id

+ customer_owned_ip

+ carrier_ip

+ ipam_pool_id

+ private_ip

+ ptr record

+ public dns

+ private dns

+ arn

+ domain

+ instance

+ id

+ enable_dns_hostnames

+ enable_dns_support

```
+ public_ip
                         = (known after apply)
    + public_ipv4_pool
                         = (known after apply)
    + region
                         = "us-west-2"
     tags
       + "Name" = "nat-eip"
    + tags all
      + "Name" = "nat-eip"
     }
# aws_instance.bastion will be created
+ resource "aws_instance" "bastion" {
                                          = "ami-05f991c49d264708f"
   + ami
                                          = (known after apply)
   + associate_public_ip_address
                                         = (known after apply)
   + availability_zone
                                         = (known after apply)
   + disable_api_stop
                                         = (known after apply)
                                         = (known after apply)
   + disable api termination
                                         = (known after apply)
   + ebs optimized
                                         = (known after apply)
   + enable_primary_ipv6
                                         = false
   + get_password_data
   + host_id
                                         = (known after apply)
    + host_resource_group_arn
                                         = (known after apply)
    + iam_instance_profile
                                         = (known after apply)
                                          = (known after apply)
   + instance_initiated_shutdown_behavior = (known after apply)
    + instance_lifecycle
                                         = (known after apply)
   + instance_state
                                          = (known after apply)
                                         = "t2.micro"
   + instance type
                                         = (known after apply)
   + ipv6 address count
                                         = (known after apply)
   + ipv6 addresses
   + key_name
                                         = "jenQ"
                                         = (known after apply)
   + monitoring
   + 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)
                                          = (known after apply)
    + private ip
    + public_dns
                                          = (known after apply)
                                         = (known after apply)
   + public ip
                                         = "us-west-2"
   + region
   + secondary_private_ips
                                         = (known after apply)
   + security_groups
                                         = (known after apply)
   + source_dest_check
                                         = true
   + spot_instance_request_id
                                         = (known after apply)
                                          = (known after apply)
    + subnet_id
                                          = {
    + tags
         "Name" = "Bastion-Host"
    + tags_all
                                          = {
      + "Name" = "Bastion-Host"
     }
                                          = (known after apply)
    + tenancy
    + 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.private_ec2 will be created
+ resource "aws_instance" "private_ec2" {
                                          = "ami-05f991c49d264708f"
                                          = (known after apply)
   + arn
   + associate_public_ip_address
                                          = (known after apply)
   + availability zone
                                          = (known after apply)
                                          = (known after apply)
   + disable_api_stop
```

```
+ disable_api_termination
                                          = (known after apply)
    + ebs_optimized
                                          = (known after apply)
                                          = (known after apply)
    + enable_primary_ipv6
    + 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)
                                          = "jenQ"
    + key_name
                                          = (known after apply)
   + monitoring
   + outpost_arn
                                          = (known after apply)
                                          = (known after apply)
   + password data
                                          = (known after apply)
   + placement group
   + placement_partition_number
                                          = (known after apply)
                                         = (known after apply)
   + primary_network_interface_id
   + private_dns
                                          = (known after apply)
   + private_ip
                                           = (known after apply)
                                           = (known after apply)
    + public_dns
                                          = (known after apply)
    + public_ip
                                           = "us-west-2"
    + region
   + secondary_private_ips
                                          = (known after apply)
                                          = (known after apply)
    + security groups
   + source_dest_check
                                          = true
   + spot_instance_request_id
                                          = (known after apply)
                                           = (known after apply)
    + subnet id
     + "Name" = "Private-EC2"
}
   + tags
                                           = {
    + tags_all
                                           = {
       + "Name" = "Private-EC2"
    + tenancy
                                           = (known after apply)
                                           = (known after apply)
    + user_data_base64
    + 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.igw will be created
+ resource "aws_internet_gateway" "igw" {
   + arn = (known after apply)
+ id = (known after apply)
    + owner_id = (known after apply)
    + region = "us-west-2"
+ tags = {
       + "Name" = "internet-gateway"
    + tags_all = {
      + "Name" = "internet-gateway"
     }
    + vpc_id = (known after apply)
# aws_nat_gateway.nat will be created
+ resource "aws_nat_gateway" "nat" {
                                         = (known after apply)
   + allocation_id
                                         = (known after apply)
    + association_id
   + connectivity_type
                                         = "public"
   + id
                                        = (known after apply)
   + network_interface_id
                                        = (known after apply)
                                         = (known after apply)
   + private ip
                                         = (known after apply)
   + public ip
                                         = "us-west-2"
   + region
```

```
+ secondary_allocation_ids
                                         = (known after apply)
    + secondary_private_ip_address_count = (known after apply)
    + secondary_private_ip_addresses
                                         = (known after apply)
                                          = (known after apply)
    + tags
      + "Name" = "nat-gateway"
     }
    + tags_all
                                          = {
       + "Name" = "nat-gateway"
 }
# aws_route_table.private_rt will be created
+ resource "aws_route_table" "private_rt" {
                  = (known after apply)
= (known after apply)
    + id
                = (known after apply)
    + owner_id
    + propagating_vgws = (known after apply)
    + region = "us-west-2"
                       = [
    + route
       + {
                                         = "0.0.0.0/0"
           + cidr block
           + nat_gateway_id
                                         = (known after apply)
             # (11 unchanged attributes hidden)
     = {
    + "Name" = "private-rt"
}
    + tags
    + tags_all
      + "Name" = "private-rt"
    + vpc_id
                     = (known after apply)
# aws_route_table.public_rt will be created
 resource "aws_route_table" "public_rt" {
    + arn
                       = (known after apply)
                     = (known after apply)
    + id
    + owner_id
                      = (known after apply)
    + propagating_vgws = (known after apply)
    + region = "us-west-2"
                      = [
    + route
       + {
           + cidr_block
                                         = "0.0.0.0/0"
           + gateway_id
                                         = (known after apply)
             # (11 unchanged attributes hidden)
    + tags
       + "Name" = "public-rt"
    + tags_all
      + "Name" = "public-rt"
      }
                     = (known after apply)
    + vpc_id
# aws_route_table_association.private_assoc will be created
+ resource "aws_route_table_association" "private_assoc" {
   + id = (known after apply)
+ region = "us-west-2"
    + route_table_id = (known after apply)
    + subnet_id = (known after apply)
# aws_route_table_association.public_assoc will be created
+ resource "aws_route_table_association" "public_assoc" {
              = (known after apply)
= "us-west-2"
    + id
    + route_table_id = (known after apply)
    + subnet_id = (known after apply)
# aws_security_group.bastion_sg will be created
+ resource "aws_security_group" "bastion_sg" {
                            = (known after apply)
    + arn
                            = "Managed by Terraform"
    + description
    + egress
        + {
            + cidr_blocks
               + "0.0.0.0/0",
            + from_port
            + ipv6_cidr_blocks = []
            + prefix_list_ids = []
            + protocol = "-1"
            + security_groups = []
            + self
                       = false
= 0
            + to_port
```

```
]
                            = (known after apply)
    + id
    + ingress
       + {
           + cidr blocks = [
              + "0.0.0.0/0",
           + from_port
           + ipv6_cidr_blocks = []
           + prefix_list_ids = []
           + protocol = "tcp'
           + security_groups = []
           + self = false
+ to_port = 22
            # (1 unchanged attribute hidden)
         },
     1
                            = "bastion-sg"
   + name
    + name_prefix
                          = (known after apply)
                           = (known after apply)
= "us-west-2"
   + owner_id
   + region
    + revoke_rules_on_delete = false
                         = {
      + "Name" = "bastion-sg"
    + tags_all
       + "Name" = "bastion-sg"
                            = (known after apply)
   + vpc id
# aws_security_group.private_sg will be created
+ resource "aws_security_group" "private_sg" {
                  = (known after apply)
....
   + arn
    + description
                           = "Managed by Terraform"
    + egress
                           = [
       + {
             ____orocks
+ "0.0.0.0/0",
           + cidr_blocks
            + from_port
           + ipv6_cidr_blocks = []
+ prefix_list_ids = []
+ protocol = "-1"
           + security_groups = []
           + self = false
+ to_port = 0
           + to_port
            # (1 unchanged attribute hidden)
     ]
   + id
                            = (known after apply)
                            = [
   + ingress
       + {
           + cidr_blocks = []
+ from_port = 22
           + cidr_blocks
           + ipv6_cidr_blocks = []
           + prefix_list_ids = []
           + protocol = "tcp"
           + security_groups = (known after apply)
           + self = false
+ to_port = 22
             # (1 unchanged attribute hidden)
         },
     ]
                           = "private-sg"
   + name
   + name_prefix
                           = (known after apply)
   + owner_id
                           = (known after apply)
    + region
                           = "us-west-2"
    + revoke_rules_on_delete = false
                          = {
    + tags
      + "Name" = "private-sg"
    + tags_all
     ---- = + "Name" = "private-sg" }
                            = (known after apply)
   + vpc_id
# aws_subnet.private will be created
+ resource "aws_subnet" "private" {
                                                    = (known after apply)
   + assign_ipv6_address_on_creation
                                                    = false
   + availability_zone
                                                    = "us-west-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
```

(1 unchanged attribute hidden)

```
+ id
                                                    = (known after apply)
   + ipv6_cidr_block_association_id
                                                    = (known after apply)
    + ipv6_native
                                                   = false
    + map_public_ip_on_launch
                                                    = false
                                                   = (known after apply)
    + owner_id
   + private_dns_hostname_type_on_launch
                                                    = (known after apply)
                                                    = "us-west-2"
   + region
                                                    = {
   + tags
      + "Name" = "private-subnet"
    + tags all
                                                   = {
       + "Name" = "private-subnet"
    + vpc_id
                                                    = (known after apply)
# aws_subnet.public will be created
+ resource "aws_subnet" "public" {
                                                   = (known after apply)
   + arn
    + assign_ipv6_address_on_creation
                                                    = false
   + availability_zone
                                                   = "us-west-2a"
   + 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
                                                   = (known after apply)
                                                    = (known after apply)
   + ipv6_cidr_block_association_id
   + ipv6_native
                                                   = false
   + map_public_ip_on_launch
                                                   = true
   + owner id
                                                   = (known after apply)
                                                   = (known after apply)
   + private_dns_hostname_type_on_launch
    + region
                                                    = "us-west-2"
                                                    = {
       + "Name" = "public-subnet"
    + tags_all
                                                    = {
       + "Name" = "public-subnet"
                                                    = (known after apply)
    + vpc id
# aws vpc.main will be created
+ resource "aws_vpc" "main" {
                                         = (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)
                                         = (known after apply)
   + default_security_group_id
    + dhcp_options_id
                                         = (known after apply)
   + enable_dns_hostnames
                                         = true
    + 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
                                         = (known after apply)
   + ipv6_cidr_block
   + ipv6_cidr_block_network_border_group = (known after apply)
    + main_route_table_id
                                        = (known after apply)
                                          = (known after apply)
    + owner_id
    + region
                                          = "us-west-2"
    + tags
                                          = {
       + "Name" = "secure-vpc"
     }
    + tags_all
                                          = {
       + "Name" = "secure-vpc"
 }
# aws_vpc_endpoint.s3_endpoint will be created
+ resource "aws_vpc_endpoint" "s3_endpoint" {
                 = (known after apply)
   + arn
    + cidr_blocks
                          = (known after apply)
                          = (known after apply)
    + dns_entry
                      = (known after apply)
   + id
                          = (known after apply)
   + ip_address_type
   + network_interface_ids = (known after apply)
                       = (known after apply)
   + owner_id
   + policy
                         = (known after apply)
   + prefix_list_id
                          = (known after apply)
   + private_dns_enabled = (known after apply)
   + region
                           = "us-west-2"
    + requester_managed
                           = (known after apply)
                           = (known after apply)
   + route_table_ids
    + security_group_ids
                           = (known after apply)
   + service_name
                           = "com.amazonaws.us-west-2.s3"
   + service_region
                          = (known after apply)
                           = (known after apply)
   + state
                           = (known after apply)
   + subnet_ids
                           = {
    + tags
```

```
+ "Name" = "s3-endpoint"
      + tags_all
            "Name" = "s3-endpoint"
      + vpc_endpoint_type
                              = "Gateway"
                              = (known after apply)
      + vpc id
     + dns_options (known after apply)
     + subnet configuration (known after apply)
Plan: 15 to add, 0 to change, 0 to destroy.
Changes to Outputs:
  + bastion_public_ip = (known after apply)
  + private_ec2_id
                    = (known after apply)
                     = (known after apply)
  + vpc id
Do you want to perform these actions?
 Enter a value: yes
aws_vpc.main: Creating...
aws_eip.nat: Creating...
aws_eip.nat: Creation complete after 2s [id=eipalloc-0b0eb154a837444cc]
aws vpc.main: Still creating... [00m10s elapsed]
aws_vpc.main: Creation complete after 15s [id=vpc-08e2588513ef1187f]
aws_internet_gateway.igw: Creating...
aws_subnet.private: Creating...
aws subnet.public: Creating...
aws_security_group.bastion_sg: Creating...
aws_subnet.private: Creation complete after 2s [id=subnet-049bc353c8d2537d5]
aws_internet_gateway.igw: Creation complete after 2s [id=igw-054969ed16e22f151]
aws_route_table.public_rt: Creating...
aws_route_table.public_rt: Creation complete after 2s [id=rtb-0577f30fac8cfcc8f]
aws_security_group.bastion_sg: Creation complete after 5s [id=sg-031cc2c27d656f544]
aws security group.private sg: Creating...
aws_security_group.private_sg: Creation complete after 5s [id=sg-041c3404a944a7e48]
aws_instance.private_ec2: Creating...
aws_subnet.public: Still creating... [00m10s elapsed]
aws subnet.public: Creation complete after 14s [id=subnet-091400c1d3ca37516]
aws_route_table_association.public_assoc: Creating...
aws_nat_gateway.nat: Creating...
aws_instance.bastion: Creating...
aws_route_table_association.public_assoc: Creation complete after 1s [id=rtbassoc-0fd8b9cef27119b1d]
aws_instance.private_ec2: Still creating... [00m11s elapsed]
aws_nat_gateway.nat: Still creating... [00m10s elapsed]
aws_instance.bastion: Still creating... [00m10s elapsed]
aws_instance.private_ec2: Still creating... [00m21s elapsed]
aws_nat_gateway.nat: Still creating... [00m20s elapsed]
aws_instance.bastion: Still creating... [00m20s elapsed]
aws_instance.private_ec2: Still creating... [00m31s elapsed]
aws_nat_gateway.nat: Still creating... [00m30s elapsed]
aws_instance.bastion: Still creating... [00m30s elapsed]
aws_instance.private_ec2: Creation complete after 37s [id=i-081ac78d67956ba55]
aws_instance.bastion: Creation complete after 36s [id=i-08d51ad8925fb9c09]
aws_nat_gateway.nat: Still creating... [00m41s elapsed]
aws_nat_gateway.nat: Still creating... [00m51s elapsed]
aws_nat_gateway.nat: Still creating... [01m01s elapsed]
aws_nat_gateway.nat: Still creating... [01m12s elapsed]
aws nat gateway.nat: Still creating... [01m22s elapsed]
aws_nat_gateway.nat: Creation complete after 1m30s [id=nat-0798ab7d4fbf0e586]
aws_route_table.private_rt: Creating...
aws_route_table.private_rt: Creation complete after 2s [id=rtb-0c4ba9a105b1ac8c2]
aws_route_table_association.private_assoc: Creating...
aws_vpc_endpoint.s3_endpoint: Creating...
aws_route_table_association.private_assoc: Creation complete after 1s [id=rtbassoc-0401c4cd056583925]
aws_vpc_endpoint.s3_endpoint: Creation complete after 9s [id=vpce-00e78f7ef2d17830e]
Apply complete! Resources: 15 added, 0 changed, 0 destroyed.
Outputs:
bastion_public_ip = "52.32.227.13"
private_ec2_id = "i-081ac78d67956ba55"
vpc_id = "vpc-08e2588513ef1187f"
sravan@sravankumar:~/terraform/bastion$
sravan@sravankumar:~/terraform/bastion$ terraform destroy
aws_vpc.main: Refreshing state... [id=vpc-08e2588513ef1187f]
aws_eip.nat: Refreshing state... [id=eipalloc-0b0eb154a837444cc]
aws_internet_gateway.igw: Refreshing state... [id=igw-054969ed16e22f151]
aws_subnet.private: Refreshing state... [id=subnet-049bc353c8d2537d5]
aws_subnet.public: Refreshing state... [id=subnet-091400c1d3ca37516]
aws_security_group.bastion_sg: Refreshing state... [id=sg-031cc2c27d656f544]
aws_route_table.public_rt: Refreshing state... [id=rtb-0577f30fac8cfcc8f]
```

```
aws_nat_gateway.nat: Refreshing state... [id=nat-0798ab7d4fbf0e586]
aws_instance.bastion: Refreshing state... [id=i-08d51ad8925fb9c09]
aws_security_group.private_sg: Refreshing state... [id=sg-041c3404a944a7e48]
aws_route_table_association.public_assoc: Refreshing state... [id=rtbassoc-0fd8b9cef27119b1d]
aws_route_table.private_rt: Refreshing state... [id=rtb-0c4ba9a105b1ac8c2]
aws_instance.private_ec2: Refreshing state... [id=i-081ac78d67956ba55]
aws vpc endpoint.s3 endpoint: Refreshing state... [id=vpce-00e78f7ef2d17830e]
aws\_route\_table\_association.private\_assoc: Refreshing \ state... \ [id=rtbassoc-0401c4cd056583925]
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
  - destroy
Terraform will perform the following actions:
  # aws_eip.nat will be destroyed
  - resource "aws_eip" "nat" {
     allocation_id
                                = "eipalloc-0b0eb154a837444cc" -> null
                                = "arn:aws:ec2:us-west-2:221711265081:elastic-ip/eipalloc-0b0eb154a837444cc" -> null
     - arn
     association_id
                               = "eipassoc-022d4759c1b722729" -> null
                               = "vpc" -> null
     - domain
     - id
                               = "eipalloc-0b0eb154a837444cc" -> null
     - network_border_group = "us-west-2" -> null
     - network_interface
                               = "eni-056450c22eeaed83e" -> null
     - private_dns
                               = "ip-10-0-1-98.us-west-2.compute.internal" -> null
                               = "10.0.1.98" -> null
     - private ip
                               = "ec2-50-112-153-212.us-west-2.compute.amazonaws.com" -> null
     - public dns
     - public_ip
- public_ipv4_pool
                               = "50.112.153.212" -> null
                               = "amazon" -> null
                                = "us-west-2" -> null
      - region
     - tags
                                = {
         - "Name" = "nat-eip"
       } -> null
      - tags_all
                                = {
         - "Name" = "nat-eip"
       } -> null
        # (5 unchanged attributes hidden)
  # aws_instance.bastion will be destroyed
  - resource "aws_instance" "bastion" {
                                            = "ami-05f991c49d264708f" -> null
     - ami
      - arn
                                           = "arn:aws:ec2:us-west-2:221711265081:instance/i-08d51ad8925fb9c09" -> null
     - associate_public_ip_address
                                           = true -> null
     - availability_zone
                                           = "us-west-2a" -> null
                                           = false -> null
     disable_api_stop

    disable_api_termination

                                           = false -> null
     - ebs_optimized
                                           = false -> null
     - get_password_data
                                           = false -> null
     - hibernation
                                            = false -> null
                                            = "i-08d51ad8925fb9c09" -> null
     - instance_initiated_shutdown_behavior = "stop" -> null
                                          = "running" -> null
     - instance_state
                                            = "t2.micro" -> null
     - instance type
                                           = 0 -> null
      - ipv6 address count
                                           = [] -> null
      - ipv6_addresses
     - key_name
                                           = "jenQ" -> null
                                           = false -> null
     - monitoring
     placement_partition_number
                                           = 0 -> null
      primary_network_interface_id
                                           = "eni-0ec25a0c06ea2d043" -> null
                                            = "ip-10-0-1-54.us-west-2.compute.internal" -> null
     - private dns
                                           = "10.0.1.54" -> null
      - private_ip
      - public_dns
                                            = "ec2-52-32-227-13.us-west-2.compute.amazonaws.com" -> null
                                            = "52.32.227.13" -> null
      - public_ip
                                            = "us-west-2" -> null
      - region
     - secondary_private_ips
                                           = [] -> null
                                            = [] -> null
     security_groups
     source_dest_check
                                            = true -> null
      subnet_id
                                            = "subnet-091400c1d3ca37516" -> null
                                            = {
     - tags
         - "Name" = "Bastion-Host"
       } -> null
      tags_all
                                            = {
         - "Name" = "Bastion-Host"
       } -> null
      - tenancy
                                            = "default" -> null
                                            = false -> null
      - user_data_replace_on_change
                                            = [
      vpc_security_group_ids
         - "sg-031cc2c27d656f544",
        1 -> null
       # (7 unchanged attributes hidden)
      - capacity_reservation_specification {
         - capacity_reservation_preference = "open" -> null
      - cpu_options {
         - core count
                           = 1 -> null
          - threads_per_core = 1 -> null
           # (1 unchanged attribute hidden)
```

```
- credit_specification {
        - cpu_credits = "standard" -> null
    - enclave_options {
       - enabled = false -> null
    - maintenance_options {
    - auto_recovery = "default" -> null
    - metadata_options {
        - http_endpoint = "enabled" -> null
- http_protocol_ipv6 = "disabled" -> null

    http_endpoint

       - http_put_response_hop_limit = 2 -> null
        - http_tokens
                                    = "required" -> null
                                      = "disabled" -> null
        instance_metadata_tags
    - private_dns_name_options {
        - enable_resource_name_dns_a_record = false -> null
        - enable_resource_name_dns_aaaa_record = false -> null
        - hostname_type
                                               = "ip-name" -> null
      }
    - root_block_device {
        - delete_on_termination = true -> null
       - device_name = "/dev/sda1" -> null

- encrypted = false -> null

- iops = 3000 -> null
       - device_num.
- encrypted
- iops
                            = {} -> nul1
= {} -> nul1
= 125 -> nul1
= "vol-05676af78af7e847f" -> null
        - tags
        - tags_all
       - throughput
- volume_id
        volume_size
                              = 8 -> null
        volume_type
                                = "gp3" -> null
          # (1 unchanged attribute hidden)
 }
# aws_instance.private_ec2 will be destroyed
- resource "aws_instance" "private_ec2" {
                                            = "ami-05f991c49d264708f" -> null
   - ami
                                           = "arn:aws:ec2:us-west-2:221711265081:instance/i-081ac78d67956ba55" -> null
    - arn

    associate_public_ip_address

                                          = false -> null
    - availability_zone
                                           = "us-west-2a" -> null
                                           = false -> null
    - disable_api_stop

    disable_api_termination

                                           = false -> null
    - ebs_optimized
                                           = false -> null
    - get_password_data
                                           = false -> null
    - hibernation
                                           = false -> null
                                           = "i-081ac78d67956ba55" -> null
    - id
    - instance_initiated_shutdown_behavior = "stop" -> null
                                           = "running" -> null
    - instance_state
                                           = "t2.micro" -> null
    - instance_type
    ipv6_address_count
                                           = 0 -> null
    - ipv6_addresses
                                           = [] -> null
    - key_name
                                           = "jenQ" -> null
                                           = false -> null
    - monitoring
    - placement_partition_number
                                           = 0 -> null
                                           = "eni-0dae9783d4c5be4f4" -> null
    primary_network_interface_id
                                            = "ip-10-0-2-31.us-west-2.compute.internal" -> null
    - private dns
                                            = "10.0.2.31" -> null
    - private_ip
                                            = "us-west-2" -> null
    - region
                                           = [] -> null
    secondary_private_ips
    security_groups
                                            = [] -> null
    - source_dest_check
                                            = true -> null
    - subnet_id
                                            = "subnet-049bc353c8d2537d5" -> null
    - tags
- "Name" = "Private-EC2"
                                            = {
      } -> null
    - tags_all
                                            = {
        - "Name" = "Private-EC2"
     } -> null
                                            = "default" -> null
    - tenancy
                                           = false -> null
    user_data_replace_on_change
    vpc_security_group_ids
                                            = [
       - "sg-041c3404a944a7e48",
      ] -> null
      # (9 unchanged attributes hidden)
    - capacity_reservation_specification {
       - capacity_reservation_preference = "open" -> null
    - cpu_options {
                          = 1 -> null
        - core count
        - threads_per_core = 1 -> null
```

```
- credit_specification {
       - cpu_credits = "standard" -> null
    - enclave_options {
       - enabled = false -> null
    - maintenance_options {
       - auto_recovery = "default" -> null
    - metadata_options {
                                    = "enabled" -> null
       - http_endpoint
       - http_protocol_ipv6
                                     = "disabled" -> null
       - http_put_response_hop_limit = 2 -> null
                                   = "required" -> null
= "disabled" -> null

    http tokens

       instance_metadata_tags
     }
    - private_dns_name_options {
        - enable_resource_name_dns_a_record = false -> null
       - enable_resource_name_dns_aaaa_record = false -> null
        - hostname_type
                                            = "ip-name" -> null
    - root_block_device {
       - delete_on_termination = true -> null
                       = "/dev/sda1" -> null
        - device name
                              = false -> null
       - encrypted
       - iops
                              = 3000 -> null
       - tags
                              = {} -> null
       tags_all
                              = {} -> null
       - throughput
                              = 125 -> null
       - volume_id
                               = "vol-025d6524bc3e4ee2d" -> null
                              = 8 -> null
       volume_size
       volume_type
                               = "gp3" -> null
         # (1 unchanged attribute hidden)
     }
 }
# aws_internet_gateway.igw will be destroyed
- resource "aws_internet_gateway" "igw" {
           = "arn:aws:ec2:us-west-2:221711265081:internet-gateway/igw-054969ed16e22f151" -> null
   - arn
             = "igw-054969ed16e22f151" -> null
   - owner_id = "221711265081" -> null
    - region = "us-west-2" -> null
- tags = {
      - "Name" = "internet-gateway"
     } -> null
    - tags_all = {
       - "Name" = "internet-gateway"
     } -> null
    - vpc_id = "vpc-08e2588513ef1187f" -> null
# aws_nat_gateway.nat will be destroyed
- resource "aws_nat_gateway" "nat" {
   - allocation_id
                                        = "eipalloc-0b0eb154a837444cc" -> null
                                        = "eipassoc-022d4759c1b722729" -> null
    - association_id
                                        = "public" -> null
   - connectivity_type
                                        = "nat-0798ab7d4fbf0e586" -> null
   - id
   - network_interface_id
                                        = "eni-056450c22eeaed83e" -> null
                                        = "10.0.1.98" -> null
   - private_ip
                                        = "50.112.153.212" -> null
   public_ip
                                        = "us-west-2" -> null
   - region
   secondary_allocation_ids
                                        = [] -> null
   - secondary_private_ip_address_count = 0 -> null
   - secondary_private_ip_addresses = [] -> null
                                        = "subnet-091400c1d3ca37516" -> null
    - subnet_id
    - tags
                                        = {
        - "Name" = "nat-gateway"
     } -> null
    - tags_all
                                        = {
      - "Name" = "nat-gateway"
     } -> null
# aws_route_table.private_rt will be destroyed
- resource "aws_route_table" "private_rt" {
                     = "arn:aws:ec2:us-west-2:221711265081:route-table/rtb-0c4ba9a105b1ac8c2" -> null
                  = "rtb-0c4ba9a105b1ac8c2" -> null
= "221711265081" -> null
   - owner_id
   - propagating_vgws = [] -> null
                  = "us-west-2" -> null
   - region
                      = [
    - route
       - {
```

(1 unchanged attribute hidden)

```
= "0.0.0.0/0"

    cidr_block

                                     = "nat-0798ab7d4fbf0e586"
           nat_gateway_id
            # (11 unchanged attributes hidden)
         },
     ] -> null
    - tags
       - "Name" = "private-rt"
     } -> null
    - tags_all = {
- "Name" = "private-rt"
     } -> null
                   = "vpc-08e2588513ef1187f" -> null
    vpc_id
# aws_route_table.public_rt will be destroyed
 resource "aws_route_table" "public_rt" {
                    = "arn:aws:ec2:us-west-2:221711265081:route-table/rtb-0577f30fac8cfcc8f" -> null
   - id
                    = "rtb-0577f30fac8cfcc8f" -> null
                   = "221711265081" -> null
   - owner_id
   - propagating_vgws = [] -> null
   - region = "us-west-2" -> null
                     = [
   - route
      - {
          - cidr_block
                                      = "0.0.0.0/0"
                                      = "igw-054969ed16e22f151"
           - gateway_id
            # (11 unchanged attributes hidden)
        },
     ] -> null
                 = {
    - tags
      - "Name" = "public-rt"
     - Nome
} -> null
= {
    tags_all
     - _ .
- "Name" = "public-rt"
} -> null
                    = "vpc-08e2588513ef1187f" -> null
    vpc_id
# aws_route_table_association.private_assoc will be destroyed
- resource "aws_route_table_association" "private_assoc" {
            = "rtbassoc-0401c4cd056583925" -> null
= "us-west-2" -> null
   - id
    - region
    - route_table_id = "rtb-0c4ba9a105b1ac8c2" -> null
   - subnet id = "subnet-049bc353c8d2537d5" -> null
     # (1 unchanged attribute hidden)
# aws_route_table_association.public_assoc will be destroyed
- resource "aws_route_table_association" "public_assoc" {
            = "rtbassoc-0fd8b9cef27119b1d" -> null
= "us-west-2" -> null
   - id
   - route_table_id = "rtb-0577f30fac8cfcc8f" -> null
    - subnet_id = "subnet-091400c1d3ca37516" -> null
     # (1 unchanged attribute hidden)
= "Managed by Terraform" -> null
    - description
   - egress
       - {
           - cidr_blocks
              - "0.0.0.0/0",
            1
           - from_port
           - ipv6_cidr_blocks = []
           - prefix_list_ids = []
           - protocol = "-1'
           - security_groups = []
           - self = false
- to_port = 0
           - to_port
            # (1 unchanged attribute hidden)
         },
     ] -> null
                          = "sg-031cc2c27d656f544" -> null
    - id
                          = [
    - ingress
       - {
          - cidr_blocks
              - "0.0.0.0/0",
                        = 22
           from_port
           - ipv6_cidr_blocks = []
           - prefix_list_ids = []
- protocol = "tcp"
           - security_groups = []
           - self = false
- to_port = 22
            # (1 unchanged attribute hidden)
         ٦.
     ] -> null
```

```
= "bastion-sg" -> null
   - name
                          = "221711265081" -> null
    - owner id
                          = "us-west-2" -> null
    - region
    - revoke_rules_on_delete = false -> null
                         = {
    - tags
      - "Name" = "bastion-sg"
     } -> null
    - tags_all
      - "Name" = "bastion-sg"
     } -> null
                          = "vpc-08e2588513ef1187f" -> null
    - vpc id
     # (1 unchanged attribute hidden)
- description
                          = "Managed by Terraform" -> null
    - egress
                          = [
       - {
          - cidr_blocks
             - "0.0.0.0/0",
            1
           - from_port
           - ipv6_cidr_blocks = []
           - prefix_list_ids = []
           - protocol
           - security_groups = []
           - self = false
- to_port = 0
            # (1 unchanged attribute hidden)
         },
     ] -> null
    - id
                          = "sg-041c3404a944a7e48" -> null
                          = [
    - ingress
       - {
          - cidr_blocks = []
- from_port = 22
           - from_port
           - ipv6_cidr_blocks = []
           - prefix_list_ids = []
                           = "tcp"
           - protocol
           - security_groups = [
             - "sg-031cc2c27d656f544",
            1
           - self
                       = false
= 22
           - to_port
            # (1 unchanged attribute hidden)
        },
     ] -> null
    - name
                          = "private-sg" -> null
    - owner_id
                          = "221711265081" -> null
                          = "us-west-2" -> null
    - revoke_rules_on_delete = false -> null
                         = {
    - tags
      - "Name" = "private-sg"
     } -> null
    tags_all
       - "Name" = "private-sg"
     } -> null
    vpc_id
                          = "vpc-08e2588513ef1187f" -> null
     # (1 unchanged attribute hidden)
# aws subnet.private will be destroyed
- resource "aws_subnet" "private" {
   - arn
                                                 = "arn:aws:ec2:us-west-2:221711265081:subnet/subnet-049bc353c8d2537d5" -> null
    - assign_ipv6_address_on_creation
                                                 = false -> null
   - availability_zone
                                                 = "us-west-2a" -> null
                                                 = "usw2-az2" -> null
   availability_zone_id
                                                 = "10.0.2.0/24" -> null
   - cidr_block
   - enable_dns64
                                                 = false -> null
    - enable_lni_at_device_index
                                                 = 0 -> null
    - enable_resource_name_dns_a_record_on_launch
                                                 = false -> null
    - enable_resource_name_dns_aaaa_record_on_launch = false -> null
                                                 = "subnet-049bc353c8d2537d5" -> null
   - id
   - ipv6_native
                                                 = false -> null
    - map_customer_owned_ip_on_launch
                                                 = false -> null
   - map_public_ip_on_launch
                                                 = false -> null
                                                 = "221711265081" -> null
   - owner id
                                                 = "ip-name" -> null
   - private_dns_hostname_type_on_launch
                                                 = "us-west-2" -> null
   - region
                                                 = {
    - tags
      - "Name" = "private-subnet"
     } -> null
    - tags_all
                                                 = {
       - "Name" = "private-subnet"
     } -> null
    - vnc id
                                                 = "vnc-08e2588513ef1187f" -> null
     # (4 unchanged attributes hidden)
```

```
# aws_subnet.public will be destroyed
- resource "aws_subnet" "public" {
                                                    = "arn:aws:ec2:us-west-2:221711265081:subnet/subnet-091400c1d3ca37516" -> null
    - assign_ipv6_address_on_creation
                                                    = false -> null
                                                    = "us-west-2a" -> null
    - availability_zone
                                                    = "usw2-az2" -> null
    - availability zone id
                                                    = "10.0.1.0/24" -> null
   - cidr_block
                                                    = false -> null
   - enable_dns64
   enable_lni_at_device_index
                                                    = 0 -> null
   - enable_resource_name_dns_a_record_on_launch
                                                  = false -> null
   - enable_resource_name_dns_aaaa_record_on_launch = false -> null
   - id
                                                    = "subnet-091400c1d3ca37516" -> null
   - ipv6_native
                                                    = false -> null
    - map_customer_owned_ip_on_launch
                                                    = false -> null
   - map_public_ip_on_launch
                                                   = true -> null
                                                   = "221711265081" -> null
    - owner_id
   - private_dns_hostname_type_on_launch
                                                   = "ip-name" -> null
                                                    = "us-west-2" -> null
    - region
                                                    = {
    tags
      - "Name" = "public-subnet"
     } -> null
    tags_all
                                                    = {
       - "Name" = "public-subnet"
     } -> null
                                                    = "vpc-08e2588513ef1187f" -> null
    - vpc id
     # (4 unchanged attributes hidden)
# aws vpc.main will be destroyed
- resource "aws_vpc" "main" {
                                         = "arn:aws:ec2:us-west-2:221711265081:vpc/vpc-08e2588513ef1187f" -> null
   - arn
    - assign_generated_ipv6_cidr_block = false -> null
                                         = "10.0.0.0/16" -> null
   - cidr block
   - default_network_acl_id
- default_route_table_id
                                         = "acl-0019da5fbfe5fdc2e" -> null
                                         = "rtb-0d342c46b2df4070a" -> null
   - default_security_group_id
                                        = "sg-09290507c56b0a6e0" -> null
                                         = "dopt-0668b03d61535d4f0" -> null
   - dhcp_options_id
   - enable_dns_hostnames
                                         = true -> null
   enable_dns_support
                                          = true -> null
    - enable_network_address_usage_metrics = false -> null
                               = "vpc-08e2588513ef1187f" -> null
= "default" -> null
    - id
   - instance_tenancy
                                        = 0 -> null
= "rtb-0d342c46b2df4070a" -> null
   ipv6_netmask_length
   - main_route_table_id
                                         = "221711265081" -> null
   - owner_id
                                          = "us-west-2" -> null
   - region
                                          = {
    - tags
       - "Name" = "secure-vpc"
      } -> null
    - tags_all
                                          = {
      - "Name" = "secure-vpc"
     } -> null
      # (4 unchanged attributes hidden)
# aws_vpc_endpoint.s3_endpoint will be destroyed
- resource "aws_vpc_endpoint" "s3_endpoint" {
   - arn
                               = "arn:aws:ec2:us-west-2:221711265081:vpc-endpoint/vpce-00e78f7ef2d17830e" -> null
    - cidr_blocks
      - "3.5.76.0/22",
       - "3.5.80.0/21",
       - "18.34.48.0/20"
       - "18.34.244.0/22"
       - "52.92.128.0/17"
       - "52.218.128.0/17",
     1 -> null
    - dns_entry
                                = [] -> null
                                = "vpce-00e78f7ef2d17830e" -> null
   - id
                               = [] -> null
= "221711265081" -> null
   network_interface_ids
    - owner_id
    - policy
                                = jsonencode(
         {
            - Statement = [
                - {
                  - Action = "*"
- Effect = "Allow"
                   - Principal = "*"
                   - Resource = "*"
                 },
           - Version = "2008-10-17"
         }
     ) -> null
                           = "pl-68a54001" -> null
    prefix_list_id
    - private_dns_enabled
                               = false -> null
                               = "us-west-2" -> null
    - region
                             = false -> null
    - requester_managed
    - route_table_ids
                                = [
        - "rtb-0c4ba9a105b1ac8c2",
```

```
1 -> null
      security_group_ids
                                  = [] -> null
      - service_name
                                  = "com.amazonaws.us-west-2.s3" -> null
                                  = "us-west-2" -> null
      - service_region
                                  = "available" -> null
      - state
      - subnet_ids
                                  = [] -> null
                                  = {
      - tags
        - "Name" = "s3-endpoint"
       } -> null
      } -> null
      vpc_endpoint_type
                                  = "Gateway" -> null
      vpc_id
                                  = "vpc-08e2588513ef1187f" -> null
       # (3 unchanged attributes hidden)
Plan: 0 to add, 0 to change, 15 to destroy.
Changes to Outputs:
 - bastion_public_ip = "52.32.227.13" -> null
  - private_ec2_id = "i-081ac78d67956ba55" -> null
                     = "vpc-08e2588513ef1187f" -> null
  - vpc_id
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:
 aws vnc.main: Creating...
aws eip.nat: Creating...
aws_eip.nat: Creation complete after 2s [id=eipalloc-0b0eb154a837444cc]
aws_vpc.main: Still creating... [00m10s elapsed]
aws_vpc.main: Creation complete after 15s [id=vpc-08e2588513ef1187f]
aws_internet_gateway.igw: Creating...
aws_subnet.private: Creating...
aws_subnet.public: Creating...
aws_security_group.bastion_sg: Creating...
aws_subnet.private: Creation complete after 2s [id=subnet-049bc353c8d2537d5]
aws internet gateway.igw: Creation complete after 2s [id=igw-054969ed16e22f151]
aws_route_table.public_rt: Creating...
aws route table.public rt: Creation complete after 2s [id=rtb-0577f30fac8cfcc8f]
aws_security_group.bastion_sg: Creation complete after 5s [id=sg-031cc2c27d656f544]
aws security group.private sg: Creating...
aws_security_group.private_sg: Creation complete after 5s [id=sg-041c3404a944a7e48]
aws_instance.private_ec2: Creating...
aws_subnet.public: Still creating... [00m10s elapsed]
aws_subnet.public: Creation complete after 14s [id=subnet-091400c1d3ca37516]
aws_route_table_association.public_assoc: Creating...
aws_nat_gateway.nat: Creating...
aws_instance.bastion: Creating...
aws_route_table_association.public_assoc: Creation complete after 1s [id=rtbassoc-0fd8b9cef27119b1d]
aws_instance.private_ec2: Still creating... [00m11s elapsed]
aws_nat_gateway.nat: Still creating... [00m10s elapsed]
aws_instance.bastion: Still creating... [00m10s elapsed]
aws_instance.private_ec2: Still creating... [00m21s elapsed]
aws_nat_gateway.nat: Still creating... [00m20s elapsed]
aws_instance.bastion: Still creating... [00m20s elapsed]
aws_instance.private_ec2: Still creating... [00m31s elapsed]
aws_nat_gateway.nat: Still creating... [00m30s elapsed]
aws_instance.bastion: Still creating... [00m30s elapsed]
aws_instance.private_ec2: Creation complete after 37s [id=i-081ac78d67956ba55]
aws instance.bastion: Creation complete after 36s [id=i-08d51ad8925fb9c09]
aws_nat_gateway.nat: Still creating... [00m41s elapsed]
aws_nat_gateway.nat: Still creating... [00m51s elapsed]
aws_nat_gateway.nat: Still creating... [01m01s elapsed]
aws_nat_gateway.nat: Still creating... [01m12s elapsed]
aws_nat_gateway.nat: Still creating... [01m22s elapsed]
aws_nat_gateway.nat: Creation complete after 1m30s [id=nat-0798ab7d4fbf0e586]
aws_route_table.private_rt: Creating...
aws_route_table.private_rt: Creation complete after 2s [id=rtb-0c4ba9a105b1ac8c2]
aws_route_table_association.private_assoc: Creating...
aws_vpc_endpoint.s3_endpoint: Creating...
aws_route_table_association.private_assoc: Creation complete after 1s [id=rtbassoc-0401c4cd056583925]
aws_vpc_endpoint.s3_endpoint: Creation complete after 9s [id=vpce-00e78f7ef2d17830e]
Apply complete! Resources: 15 added, 0 changed, 0 destroyed.
Outputs:
bastion_public_ip = "52.32.227.13"
private_ec2_id = "i-081ac78d67956ba55"
vpc_id = "vpc-08e2588513ef1187f"
sravan@sravankumar:~/terraform/bastion$ scp -i "jenQ.pem" jenQ.pem ubuntu@52.32.227.13:/home/ubuntu/jenQ.pem
The authenticity of host '52.32.227.13 (52.32.227.13)' can't be established.
ED25519 key fingerprint is SHA256:pSrrygHCeK5rwvfDA0x6Pp9BW5kztJIsWPVlk08R0H4.
This host key is known by the following other names/addresses:
   ~/.ssh/known hosts:15: [hashed name]
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
```

```
Warning: Permanently added '52.32.227.13' (ED25519) to the list of known hosts.
                                                    100% 1678
                                                                 7.0KB/s 00:00
jenQ.pem
sravan@sravankumar:~/terraform/bastion$ terraform destroy
aws_vpc.main: Refreshing state... [id=vpc-08e2588513ef1187f]
aws_eip.nat: Refreshing state... [id=eipalloc-0b0eb154a837444cc]
aws_internet_gateway.igw: Refreshing state... [id=igw-054969ed16e22f151]
aws subnet.private: Refreshing state... [id=subnet-049bc353c8d2537d5]
aws_subnet.public: Refreshing state... [id=subnet-091400c1d3ca37516]
aws_security_group.bastion_sg: Refreshing state... [id=sg-031cc2c27d656f544]
aws_route_table.public_rt: Refreshing state... [id=rtb-0577f30fac8cfcc8f]
aws_nat_gateway.nat: Refreshing state... [id=nat-0798ab7d4fbf0e586]
aws_instance.bastion: Refreshing state... [id=i-08d51ad8925fb9c09]
aws_security_group.private_sg: Refreshing state... [id=sg-041c3404a944a7e48]
aws_route_table_association.public_assoc: Refreshing state... [id=rtbassoc-0fd8b9cef27119b1d]
aws_route_table.private_rt: Refreshing state... [id=rtb-0c4ba9a105b1ac8c2]
aws_instance.private_ec2: Refreshing state... [id=i-081ac78d67956ba55]
aws_vpc_endpoint.s3_endpoint: Refreshing state... [id=vpce-00e78f7ef2d17830e]
aws_route_table_association.private_assoc: Refreshing state... [id=rtbassoc-0401c4cd056583925]
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
  - destroy
Terraform will perform the following actions:
  # aws_eip.nat will be destroyed
  - resource "aws_eip" "nat" {
     allocation_id
                                 = "eipalloc-0b0eb154a837444cc" -> null
      - arn
                                = "arn:aws:ec2:us-west-2:221711265081:elastic-ip/eipalloc-0b0eb154a837444cc" -> null
      - association_id
                                = "eipassoc-022d4759c1b722729" -> null
     - domain
                                = "vpc" -> null
                                = "eipalloc-0b0eb154a837444cc" -> null
     - id
                                = "us-west-2" -> null
     network_border_group
                                = "eni-056450c22eeaed83e" -> null
     network_interface
                                = "ip-10-0-1-98.us-west-2.compute.internal" -> null
     - private dns
                                = "10.0.1.98" -> null
     - private_ip
                                = "ec2-50-112-153-212.us-west-2.compute.amazonaws.com" -> null
     - public_dns
                                = "50.112.153.212" -> null
      - public_ip
     - public_ipv4_pool
                                = "amazon" -> null
                                = "us-west-2" -> null
      - region
     - tags
- "Name" = "nat-eip"
                                 = {
        } -> null
      - tags_all
                                 = {
         - "Name" = "nat-eip"
        } -> null
        # (5 unchanged attributes hidden)
  # aws_instance.bastion will be destroyed
   resource "aws_instance" "bastion" {
                                             = "ami-05f991c49d264708f" -> null
      - arn
                                            = "arn:aws:ec2:us-west-2:221711265081:instance/i-08d51ad8925fb9c09" -> null
     - associate_public_ip_address
                                            = true -> null
                                            = "us-west-2a" -> null
     - availability zone
                                            = false -> null
     - disable_api_stop
                                            = false -> null

    disable_api_termination

     ebs_optimized
                                             = false -> null
     - get_password_data
                                             = false -> null
      - hibernation
                                             = false -> null
     - id
                                             = "i-08d51ad8925fb9c09" -> null
      - instance_initiated_shutdown_behavior = "stop" -> null
                                            = "running" -> null
= "t2.micro" -> null
      - instance_state
      - instance_type
                                            = 0 -> null
      - ipv6 address count
                                            = [] -> null
     - ipv6 addresses
                                            = "jenQ" -> null
      - key_name
                                            = false -> null
     - monitoring
      - placement_partition_number
                                             = 0 -> null
                                            = "eni-0ec25a0c06ea2d043" -> null
     primary_network_interface_id
                                             = "ip-10-0-1-54.us-west-2.compute.internal" -> null
      - private dns
                                             = "10.0.1.54" -> null
      - private_ip
      - public_dns
                                             = "ec2-52-32-227-13.us-west-2.compute.amazonaws.com" -> null
      - public_ip
                                             = "52.32.227.13" -> null
                                             = "us-west-2" -> null
      - region
      - secondary_private_ips
                                             = [] -> null
                                             = [] -> null
      - security groups
      - source dest check
                                             = true -> null
                                             = "subnet-091400c1d3ca37516" -> null
      - subnet id
     - tags
- "Name" = "Bastion-Host"
                                             = {
        } -> null
      - tags_all
                                             = {
         - "Name" = "Bastion-Host"
        } -> null
      - tenancy
                                             = "default" -> null
      - user_data_replace_on_change
                                             = false -> null
                                             = [
      - vpc security group ids
         - "sg-031cc2c27d656f544",
        1 -> null
        # (7 unchanged attributes hidden)
```

```
- capacity_reservation_specification {
         - capacity_reservation_preference = "open" -> null
    - cpu_options {
                           = 1 -> null
        - core count
        - threads_per_core = 1 -> null
          # (1 unchanged attribute hidden)
    - credit_specification {
        - cpu_credits = "standard" -> null
     - enclave_options {
       - enabled = false -> null
    - maintenance_options {
    - auto_recovery = "default" -> null
    - metadata_options {
                                       = "enabled" -> null
        - http_endpoint
        - nttp_endpoint = "enabled" -> null
- http_protocol_ipv6 = "disabled" -> null
        - http_put_response_hop_limit = 2 -> null
                                  = "required" -> null
        - http_tokens
        - instance_metadata_tags
                                       = "disabled" -> null
    - private_dns_name_options {
        - enable_resource_name_dns_a_record = false -> null
        - enable_resource_name_dns_aaaa_record = false -> null
                                                = "ip-name" -> null
        hostname_type
    - root_block_device {
       - delete_on_termination = true -> null
        - device_name = "/dev/sda1" -> null
- encrypted = false -> null
- iops = 3000 -> null
- tags = {} -> null
                               = {} -> null
= 125 -> null
        tags_all
        - throughput
                               = "vol-05676af78af7e847f" -> null
        volume_id
        - volume_id = "vol-05676af78

- volume_size = 8 -> null

- volume_type = "gp3" -> null
          # (1 unchanged attribute hidden)
 }
# aws_instance.private_ec2 will be destroyed
- resource "aws_instance" "private_ec2" {
                                             = "ami-05f991c49d264708f" -> null
   - ami
                                             = "arn:aws:ec2:us-west-2:221711265081:instance/i-081ac78d67956ba55" -> null
    - arn
                                            = false -> null
    - associate_public_ip_address
    - availability_zone
                                             = "us-west-2a" -> null
    disable_api_stop
                                             = false -> null

    disable_api_termination

                                             = false -> null
    - ebs_optimized
                                             = false -> null
                                             = false -> null
    - get_password_data
                                             = false -> null
    - hibernation
    - id
                                             = "i-081ac78d67956ba55" -> null
    - instance_initiated_shutdown_behavior = "stop" -> null
                                             = "running" -> null
= "t2.micro" -> null
    - instance_state
    - instance_type
                                             = 0 -> null
    ipv6_address_count
    - ipv6_addresses
                                             = [] -> null
    - key_name
                                             = "jenQ" -> null
    - monitoring
                                             = false -> null
    placement_partition_number
                                             = 0 -> null
                                             = "eni-0dae9783d4c5be4f4" -> null
    primary_network_interface_id
                                             = "ip-10-0-2-31.us-west-2.compute.internal" -> null
    - private_dns
                                             = "10.0.2.31" -> null
    - private_ip
                                             = "us-west-2" -> null
    - region
    - secondary_private_ips
                                             = [] -> null
                                             = [] -> null
    - security_groups
                                             = true -> null
= "subnet-049bc353c8d2537d5" -> null
    source_dest_check
    - subnet_id
                                             = {
        - "Name" = "Private-EC2"
      } -> null
    - tags_all
       - "Name" = "Private-EC2"
      } -> null
                                             = "default" -> null
    - tenancy
                                             = false -> null
    - user_data_replace_on_change
    - vpc_security_group_ids
- "sg-041c3404a944a7e48",
                                             = [
```

```
] -> null
      # (9 unchanged attributes hidden)
    - capacity_reservation_specification {
        - capacity_reservation_preference = "open" -> null
    - cpu_options {
       core_count
                         = 1 -> null
        - threads_per_core = 1 -> null
         # (1 unchanged attribute hidden)
    - credit_specification {
       - cpu_credits = "standard" -> null
    - enclave options {
       - enabled = false -> null
    - maintenance_options {
       - auto_recovery = "default" -> null
    - metadata_options {
       - http_endpoint
                                    = "enabled" -> null
        - http_protocol_ipv6
                                     = "disabled" -> null
       - http_put_response_hop_limit = 2 -> null
       - http tokens
                              = "required" -> null
       - instance_metadata_tags
                                    = "disabled" -> null
    - private_dns_name_options {
        - enable_resource_name_dns_a_record = false -> null
        - enable_resource_name_dns_aaaa_record = false -> null
                                             = "ip-name" -> null
    - root_block_device {
       - delete on termination = true -> null
                       = "/dev/sda1" -> null
= false -> null

    device_name

    encrypted

                              = 3000 -> null
= {} -> null
       - iops
       - tags
       tags_all
                              = {} -> null
       - throughput
                              = 125 -> null
       volume_id
                               = "vol-025d6524bc3e4ee2d" -> null
       - volume_size
                              = 8 -> null
                             = "gp3" -> null
        - volume_type
         # (1 unchanged attribute hidden)
     }
  }
# aws_internet_gateway.igw will be destroyed
- resource "aws_internet_gateway" "igw" {
   - arn = "arn:aws:ec2:us-west-2:221711265081:internet-gateway/igw-054969ed16e22f151" -> null
              = "igw-054969ed16e22f151" -> null
    - id
    - owner_id = "221711265081" -> null
    } -> null
    - tags_all = {
       - "Name" = "internet-gateway"
     } -> null
    - vpc_id = "vpc-08e2588513ef1187f" -> null
# aws_nat_gateway.nat will be destroyed
 resource "aws_nat_gateway" "nat" {
    - allocation_id
                                         = "eipalloc-0b0eb154a837444cc" -> null
                                        = "eipassoc-022d4759c1b722729" -> null
    - association_id
    - connectivity_type
                                        = "public" -> null
                                        = "nat-0798ab7d4fbf0e586" -> null
    - id
    - network_interface_id
                                        = "eni-056450c22eeaed83e" -> null
                                        = "10.0.1.98" -> null
    - private ip
                                        = "50.112.153.212" -> null
   - public_ip
                                        = "us-west-2" -> null
    - region

    secondary_allocation_ids

                                        = [] -> null
    - secondary_private_ip_address_count = 0 -> null
    secondary_private_ip_addresses
                                      = [] -> null
    - subnet_id
                                        = "subnet-091400c1d3ca37516" -> null
                                        = {
    - tags
       - "Name" = "nat-gateway"
      } -> null
    - tags_all
                                        = {
       - "Name" = "nat-gateway"
      } -> null
```

```
- resource "aws_route_table" "private_rt" {
                      = "arn:aws:ec2:us-west-2:221711265081:route-table/rtb-0c4ba9a105b1ac8c2" -> null
                      = "rtb-0c4ba9a105b1ac8c2" -> null
= "221711265081" -> null
    - id
    - owner_id
    - propagating_vgws = [] -> null
    - region = "us-west-2" -> null
                       = [
    - route
       - {
            - cidr_block
                                           = "0.0.0.0/0"
            - nat_gateway_id = "nat-0798ab7d4fbf0e586"
             # (11 unchanged attributes hidden)
          },
      ] -> null
    - tags
       - "Name" = "private-rt"
      } -> null = {
     - tags_all
       - "Name" = "private-rt"
      } -> null
                      = "vpc-08e2588513ef1187f" -> null
    vpc_id
# aws_route_table.public_rt will be destroyed
- resource "aws_route_table" "public_rt" {
            = "arn:aws:ec2:us-west-2:221711265081:route-table/rtb-0577f30fac8cfcc8f" -> null
    - id = "rtb-0577f30fac8cfcc8f" -> null

- owner_id = "221711265081" -> null
    - propagating_vgws = [] -> null
    - region = "us-west-2" -> null
- route = [
       - {
- cidr_block
                             = "0.0.ບ.ບ.ບ
= "igw-054969ed16e22f151"
                                          = "0.0.0.0/0"
            gateway_id
             # (11 unchanged attributes hidden)
          },
      ] -> null
    - tags
       - "Name" = "public-rt"
      - Non--
} -> null
-- = {
     - tags_all
       - "Name" = "public-rt"
      } -> null
                       = "vpc-08e2588513ef1187f" -> null
    vpc_id
# aws_route_table_association.private_assoc will be destroyed
- resource "aws_route_table_association" "private_assoc" {
    - id = "rtbassoc-0401c4cd056583925" -> null
- region = "us-west-2" -> null
    - route_table_id = "rtb-0c4ba9a105b1ac8c2" -> null
    - subnet_id = "subnet-049bc353c8d2537d5" -> null
      # (1 unchanged attribute hidden)
\hbox{\tt\# aws\_route\_table\_association.public\_assoc will be destroyed}
- resource "aws_route_table_association" "public_assoc" {
    - id = "rtbassoc-0fd8b9cef27119b1d" -> null
- region = "us-west-2" -> null
   - id
    - route_table_id = "rtb-0577f30fac8cfcc8f" -> null
- subnet_id = "subnet-091400c1d3ca37516" -> null
      # (1 unchanged attribute hidden)
# aws_security_group.bastion_sg will be destroyed
- resource "aws_security_group" "bastion_sg" {
                      = "arn:aws:ec2:us-west-2:221711265081:security-group/sg-031cc2c27d656f544" -> null
= "Managed by Terraform" -> null
    - arn
    - description
    - egress
        - {
            cidr_blocks
                - "0.0.0.0/0",
             - from_port
            - ipv6_cidr_blocks = []
            - prefix_list_ids = []
- protocol = "-1"
            - security_groups = []
            - self = false
- to_port = 0
              # (1 unchanged attribute hidden)
      ] -> null
    - id
                             = "sg-031cc2c27d656f544" -> null
    - ingress
                             = [
        - {
            cidr_blocks
                - "0.0.0.0/0",
```

aws_route_table.private_rt will be destroyed

```
from_port
           - ipv6_cidr_blocks = []
           - prefix_list_ids = []
           - protocol = "tcp"
           - security_groups = []
           - self = false
- to_port = 22
            # (1 unchanged attribute hidden)
        },
     ] -> null
                           = "bastion-sg" -> null
   - name
                          = "221711265081" -> null
   - owner id
                          = "us-west-2" -> null
   - region
   - revoke_rules_on_delete = false -> null
                          = {
    - tags
       - "Name" = "bastion-sg"
     } -> null
    - tags_all = - "Name" = "bastion-sg"
     } -> null
                          = "vpc-08e2588513ef1187f" -> null

    vpc id

     # (1 unchanged attribute hidden)
# aws_security_group.private_sg will be destroyed
- description
                          = "Managed by Terraform" -> null
    - egress
                          = [
       - {
           - cidr_blocks
              - "0.0.0.0/0",
           from_port
           - ipv6_cidr_blocks = []
           - prefix_list_ids = []
           - protocol = "-1"
           - security_groups = []
           - self = false
- to_port = 0
            # (1 unchanged attribute hidden)
         },
     1 -> null
                          = "sg-041c3404a944a7e48" -> null
   - id
                          = [
   - ingress
       - {
    - cidr_blocks
           - cidr_blocks = []
- from_port = 22
           - ipv6_cidr_blocks = []
           - prefix_list_ids = []
           - protocol
           - security_groups = [
              - "sg-031cc2c27d656f544",
            1
           - self = false
- to_port = 22
            # (1 unchanged attribute hidden)
         },
     ] -> null
   - name
                           = "private-sg" -> null
                          = "221711265081" -> null
   - owner id
   - region
                           = "us-west-2" -> null
    - revoke_rules_on_delete = false -> null
                          = {
   - tags
      - "Name" = "private-sg"
     } -> null
    - tags_all = "private-sg"
     } -> null
    vpc_id
                          = "vpc-08e2588513ef1187f" -> null
     # (1 unchanged attribute hidden)
# aws_subnet.private will be destroyed
- resource "aws_subnet" "private" {
                                                 = "arn;aws:ec2:us-west-2:221711265081:subnet/subnet-049bc353c8d2537d5" -> null
   - arn
    - assign_ipv6_address_on_creation
                                                  = false -> null
   - availability_zone
                                                 = "us-west-2a" -> null
                                                  = "usw2-az2" -> null
= "10.0.2.0/24" -> null
   availability_zone_id
   - cidr_block
                                                  = false -> null
   - enable_dns64
   enable_lni_at_device_index
                                                  = 0 -> null
   - enable_resource_name_dns_a_record_on_launch
                                                  = false -> null
   - enable_resource_name_dns_aaaa_record_on_launch = false -> null
                                                 = "subnet-049bc353c8d2537d5" -> null
   - ipv6_native
                                                  = false -> null
                                                 = false -> null
   - map_customer_owned_ip_on_launch
   - map_public_ip_on_launch
                                                 = false -> null
                                                 = "221711265081" -> null
   - owner id
                                                  = "ip-name" -> null
   - private_dns_hostname_type_on_launch
```

```
- region
                                                    = "us-west-2" -> null
                                                   = {
    - tags
        - "Name" = "private-subnet"
     } -> null
     tags_all
                                                   = {
       - "Name" = "private-subnet"
     } -> null
                                                   = "vpc-08e2588513ef1187f" -> null
    - vpc id
     # (4 unchanged attributes hidden)
# aws_subnet.public will be destroyed
- resource "aws_subnet" "public" {
   - arn
                                                   = "arn:aws:ec2:us-west-2:221711265081:subnet/subnet-091400c1d3ca37516" -> null
    - assign_ipv6_address_on_creation
                                                   = false -> null
   - availability_zone
                                                   = "us-west-2a" -> null
                                                   = "usw2-az2" -> null
    - availability_zone_id
                                                   = "10.0.1.0/24" -> null
   - cidr block
   - enable_dns64
                                                   = false -> null
                                                   = 0 -> null
   - enable lni at device index
   - enable_resource_name_dns_a_record_on_launch
                                                   = false -> null
   - enable_resource_name_dns_aaaa_record_on_launch = false -> null
                                                   = "subnet-091400c1d3ca37516" -> null
   - id
   - ipv6_native
                                                   = false -> null
   - map_customer_owned_ip_on_launch
                                                   = false -> null
   - map_public_ip_on_launch
                                                   = true -> null
    - owner_id
                                                   = "221711265081" -> null
                                                   = "ip-name" -> null
    - private_dns_hostname_type_on_launch
                                                   = "us-west-2" -> null
    - region
   - tags
                                                   = {
       - "Name" = "public-subnet"
     } -> null
    - tags_all
                                                   = {
       - "Name" = "public-subnet"
     } -> null
                                                   = "vpc-08e2588513ef1187f" -> null
    vpc_id
     # (4 unchanged attributes hidden)
# aws_vpc.main will be destroyed
- resource "aws_vpc" "main" {
                                         = "arn:aws:ec2:us-west-2:221711265081:vpc/vpc-08e2588513ef1187f" -> null
   - arn
   assign_generated_ipv6_cidr_block
                                       = false -> null
                                         = "10.0.0.0/16" -> null
   - cidr_block
                                         = "acl-0019da5fbfe5fdc2e" -> null
   default_network_acl_id
                                         = "rtb-0d342c46b2df4070a" -> null
   default_route_table_id
                                         = "sg-09290507c56b0a6e0" -> null
   default_security_group_id
                                         = "dopt-0668b03d61535d4f0" -> null
   dhcp_options_id
   - enable_dns_hostnames
                                         = true -> null

    enable_dns_support

                                          = true -> null
   - enable_network_address_usage_metrics = false -> null
                                       = "vpc-08e2588513ef1187f" -> null
                                         = "default" -> null

    instance tenancy

                                         = 0 -> null
   ipv6_netmask_length
                                         = "rtb-0d342c46b2df4070a" -> null
   main_route_table_id
                                         = "221711265081" -> null
   - owner_id
                                         = "us-west-2" -> null
   - region
   - tags
- "Name" = "secure-vpc"
                                          = {
     } -> null
    - tags_all
                                          = {
       - "Name" = "secure-vpc"
      } -> null
      # (4 unchanged attributes hidden)
# aws_vpc_endpoint.s3_endpoint will be destroyed
- resource "aws_vpc_endpoint" "s3_endpoint" {
   - arn
                               = "arn:aws:ec2:us-west-2:221711265081:vpc-endpoint/vpce-00e78f7ef2d17830e" -> null
    - cidr_blocks
                                = [
       - "3.5.76.0/22",
       - "3.5.80.0/21",
       - "18.34.48.0/20"
       - "18.34.244.0/22",
       - "52.92.128.0/17"
       - "52.218.128.0/17",
     1 -> null
    - dns_entry
                               = [] -> null
                               = "vpce-00e78f7ef2d17830e" -> null
   - id
   network_interface_ids
                               = [] -> null
                                = "221711265081" -> null
   - owner_id
    - policy
                                = jsonencode(
        {
           - Statement = [
               - {
                   - Action
                              = "*"
                   - Effect
                             = "Allow"
                   - Principal = "*"
                   - Resource = "*"
                 },
```

```
- Version = "2008-10-17"
           }
        ) -> null
      prefix_list_id
                                  = "pl-68a54001" -> null
      private_dns_enabled
                                  = false -> null
                                  = "us-west-2" -> null
      - region
      - requester_managed
                                  = false -> null
      - route_table_ids
                                  = [
         - "rtb-0c4ba9a105b1ac8c2",
        1 -> null
      security_group_ids
                                  = [] -> null
      - service_name
                                  = "com.amazonaws.us-west-2.s3" -> null
                                  = "us-west-2" -> null
= "available" -> null

    service_region

      - state
      - subnet_ids
                                  = [] -> null
      - tags
                                  = {
         - "Name" = "s3-endpoint"
        } -> null
      - tags all
                                  = {
         - "Name" = "s3-endpoint"
        } -> null
                                  = "Gateway" -> null
      vpc_endpoint_type
      - vpc_id
                                  = "vpc-08e2588513ef1187f" -> null
        # (3 unchanged attributes hidden)
Plan: 0 to add, 0 to change, 15 to destroy.
Changes to Outputs:
  - bastion_public_ip = "52.32.227.13" -> null
  - private_ec2_id = "i-081ac78d67956ba55" -> null
                     = "vpc-08e2588513ef1187f" -> null
  - vpc_id
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: yes
aws route table association.public assoc: Destroying... [id=rtbassoc-0fd8b9cef27119b1d]
aws_route_table_association.private_assoc: Destroying... [id=rtbassoc-0401c4cd056583925]
aws_vpc_endpoint.s3_endpoint: Destroying... [id=vpce-00e78f7ef2d17830e]
aws_instance.private_ec2: Destroying... [id=i-081ac78d67956ba55]
aws_instance.bastion: Destroying... [id=i-08d51ad8925fb9c09]
aws_route_table_association.private_assoc: Destruction complete after 1s
\verb"aws_route_table_association.public_assoc: Destruction complete after 1s
aws_route_table.public_rt: Destroying... [id=rtb-0577f30fac8cfcc8f]
aws_route_table.public_rt: Destruction complete after 2s
aws_internet_gateway.igw: Destroying... [id=igw-054969ed16e22f151]
aws_vpc_endpoint.s3_endpoint: Destruction complete after 7s
aws_route_table.private_rt: Destroying... [id=rtb-0c4ba9a105b1ac8c2]
aws_route_table.private_rt: Destruction complete after 2s
aws_nat_gateway.nat: Destroying... [id=nat-0798ab7d4fbf0e586]
aws_instance.private_ec2: Still destroying... [id=i-081ac78d67956ba55, 00m10s elapsed]
aws_instance.bastion: Still destroying... [id=i-08d51ad8925fb9c09, 00m10s elapsed]
aws_internet_gateway.igw: Still destroying... [id=igw-054969ed16e22f151, 00m10s elapsed]
aws_nat_gateway.nat: Still destroying... [id=nat-0798ab7d4fbf0e586, 00m10s elapsed]
aws_instance.bastion: Still destroying... [id=i-08d51ad8925fb9c09, 00m20s elapsed]
aws_instance.private_ec2: Still destroying... [id=i-081ac78d67956ba55, 00m20s elapsed]
aws_internet_gateway.igw: Still destroying... [id=igw-054969ed16e22f151, 00m20s elapsed]
aws_nat_gateway.nat: Still destroying... [id=nat-0798ab7d4fbf0e586, 00m22s elapsed]
aws_instance.bastion: Still destroying... [id=i-08d51ad8925fb9c09, 00m31s elapsed]
aws instance.private ec2: Still destroying... [id=i-081ac78d67956ba55, 00m31s elapsed]
aws instance.bastion: Destruction complete after 33s
aws instance.private ec2: Destruction complete after 34s
aws_subnet.private: Destroying... [id=subnet-049bc353c8d2537d5]
aws_security_group.private_sg: Destroying... [id=sg-041c3404a944a7e48]
aws_internet_gateway.igw: Still destroying... [id=igw-054969ed16e22f151, 00m31s elapsed]
aws_subnet.private: Destruction complete after 1s
aws_security_group.private_sg: Destruction complete after 1s
aws_security_group.bastion_sg: Destroying... [id=sg-031cc2c27d656f544]
aws_security_group.bastion_sg: Destruction complete after 1s
aws_nat_gateway.nat: Still destroying... [id=nat-0798ab7d4fbf0e586, 00m32s elapsed]
aws_internet_gateway.igw: Still destroying... [id=igw-054969ed16e22f151, 00m41s elapsed]
aws_nat_gateway.nat: Still destroying... [id=nat-0798ab7d4fbf0e586, 00m42s elapsed]
aws_internet_gateway.igw: Still destroying... [id=igw-054969ed16e22f151, 00m51s elapsed]
aws_internet_gateway.igw: Destruction complete after 52s
aws_nat_gateway.nat: Still destroying... [id=nat-0798ab7d4fbf0e586, 00m53s elapsed]
aws_nat_gateway.nat: Destruction complete after 56s
aws_subnet.public: Destroying... [id=subnet-091400c1d3ca37516]
aws_eip.nat: Destroying... [id=eipalloc-0b0eb154a837444cc]
aws_subnet.public: Destruction complete after 1s
aws_vpc.main: Destroying... [id=vpc-08e2588513ef1187f]
aws_eip.nat: Destruction complete after 2s
aws_vpc.main: Destruction complete after 1s
Destroy complete! Resources: 15 destroyed.
sravan@sravankumar:~/terraform/bastion$
```