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Tools used

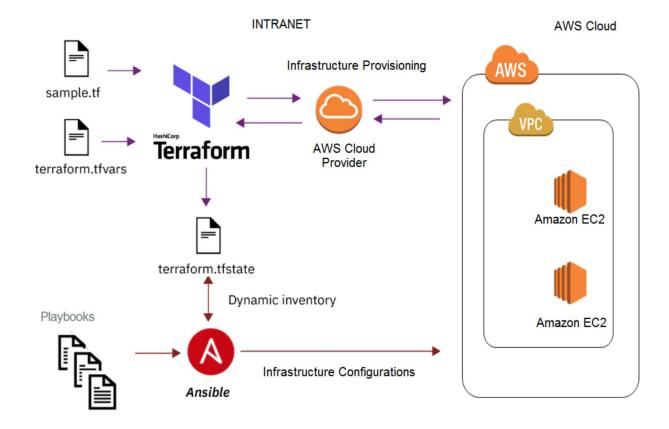
Ansible – To install and setup Jenkins master

Terraform – To form my VPC Resources

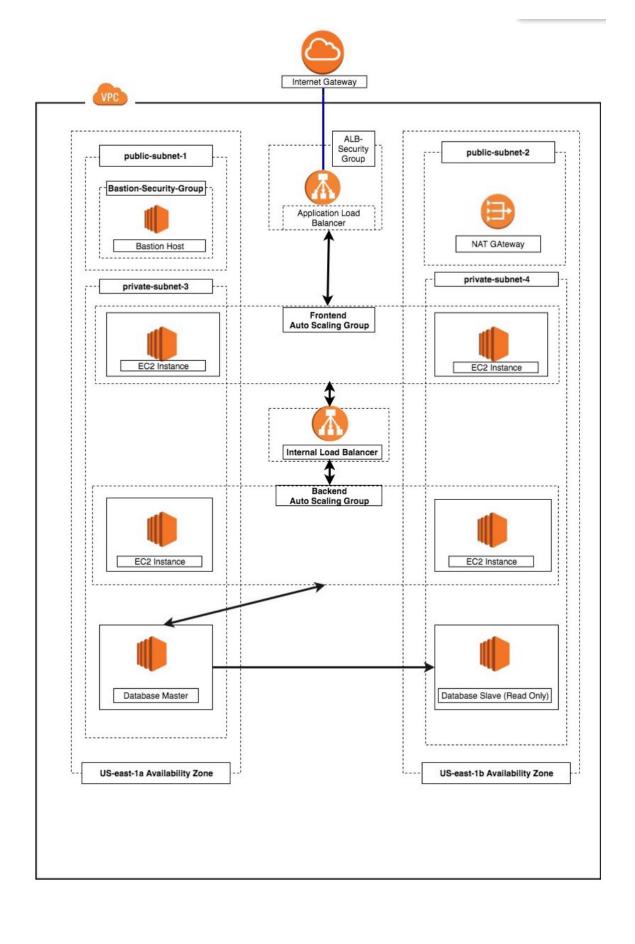
Jenkins – To implement CI/CD by accessing the VPC instances and deploying the node application

Architecture Diagrams

Server provisioning with Terraform and Ansible



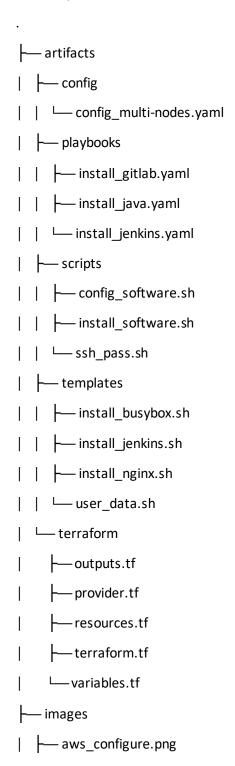
3-Tier Application architecture on AWS



Project Resources

Repository for this project: https://github.com/hani-hub/nodeApp-ansible-terraform-repo

Directory structure



```
| ---- aws_terraform_ans\v1.png
  - aws_terraform_ans_v1.png
| └─ jenkins-ci.png
 — install.sh
 — README.md
 screening
| | — package.json
| | — package-lock.json
--- README.md
  └─ web
   app.js
   --- bin
   --- package.json
   --- package-lock.json
   --- public
    └─ stylesheets
       └─ style.css
   ---- README.md
   ---routes
    └─ index.js
   └─views
     --- error.jade
```

--- index.jade

	└─ layout.jade
└─ Va	grantfile

Thought Process

Use combination of IAC and CM

Terraform will provision infrastructure like EC2 instances, Security Goups, ELB and VPC into AWS IaC

Ansible will deploy/test application on EC2 instance as CM like Jenkins and GitLab

Setting up the environment

This guide assumes that you already have some understanding of AWS and have a working account.

The installation of Terraform and Ansible are straightforward, and the details are at this link.

Prerequisites

AWS CLI (Install AWS CLI)

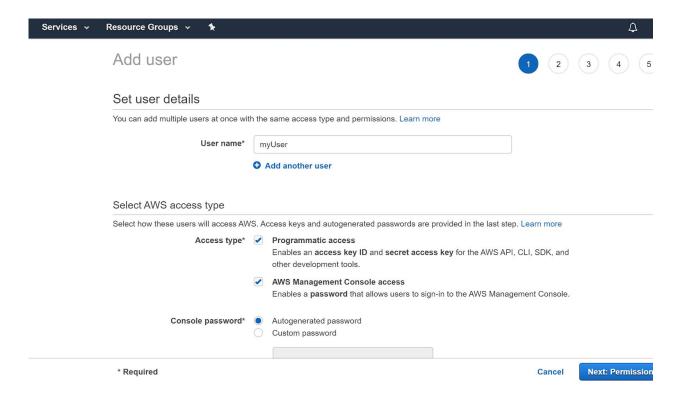
<u>Terraform</u> (Install Terraform)

Step 1: AWS account setup and login

Setup AWS account if not already done Login to your aws account

Step 2: AWS User creation, policy assignment and credentials setup

Go to services -> IAM -> Users -> Add user Add user details



Attach policies to this user

AmazonEC2FullAccess
AmazonS3FullAccess
AmazonDynamoDBFullAccess
AmazonRDSFullAccess
IAMFullAccess
CloudWatchFullAccess

User details

User name myUser

AWS access type Programmatic access and AWS Management Console access

Console password type Autogenerated

Require password reset Yes

Permissions boundary Permissions boundary is not set

Permissions summary

The following policies will be attached to the user shown above.

Туре	Name
Managed policy	AmazonEC2FullAccess
Managed policy	AmazonS3FullAccess
Managed policy	AmazonDynamoDBFullAccess
Managed policy	AmazonRDSFullAccess
Managed policy	CloudWatchFullAccess
Managed policy	IAMFullAccess
Managed policy	IAMUserChangePassword

Cancel F

Previous

Create user

Save the user and its credentials (save CSV)

Add user











Success

You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign-in at: https://983124407109.signin.aws.amazon.com/console



		User	Access key ID	Secret access key	Password	Email login instructions
•	0	myUser	AKIA6JZWH6NC5BIWDOVI	****** Show	****** Show	Send email [2]

Step 3 Install Terraform (Manual Process)

Download the package in a location of your choice, from

https://releases.hashicorp.com/terraform/0.12.26/terraform 0.12.26 linux amd64.zip

Unzip this package

unzip terraform 0.12.26 linux amd64.zip

3. Add the binary terraform path to PATH variable echo \$PATH

vi ~/.bashrc
Add line export PATH = \$PATH:<PATH_TO_YOURTERRAFORM_BINARY>
source ~/.bashrc
4 Verify installation
Terraform -help

Ansible (Install Ansible)

Defining SSH key-pair files

local-exec and remote-exec

These two built in provisioners local-exec and remote-exec are required for Ansible to work in Terraform, as Terraform lacks the necessary native plug-ins. This is the workaround to invoke Ansible within the local-exec provisioner. That requires to **configure** the connection with the host, user, and private key, see resource.tf for more details.

remote-exec

Python is required for Ansible to work, by using the "remote-exec" it makes sure that Python is installed before it's possible to invoke "local-exec"

local-exec

For Ansible, you can first run the Terraform, and output the IP addresses, then run ansible-playbook on those hosts

Description of various config files

Terraform

Define Terraform version: terraform.tf

Define AWS Provider: **provider.tf**

Define AWS Resources: resources.tf

Define Terraform Variables: variables.tf

Define Terraform Outputs: outputs.tf

Ansible

install_jenkins.yaml

install_java.yaml

install GitLab

Deploy Application

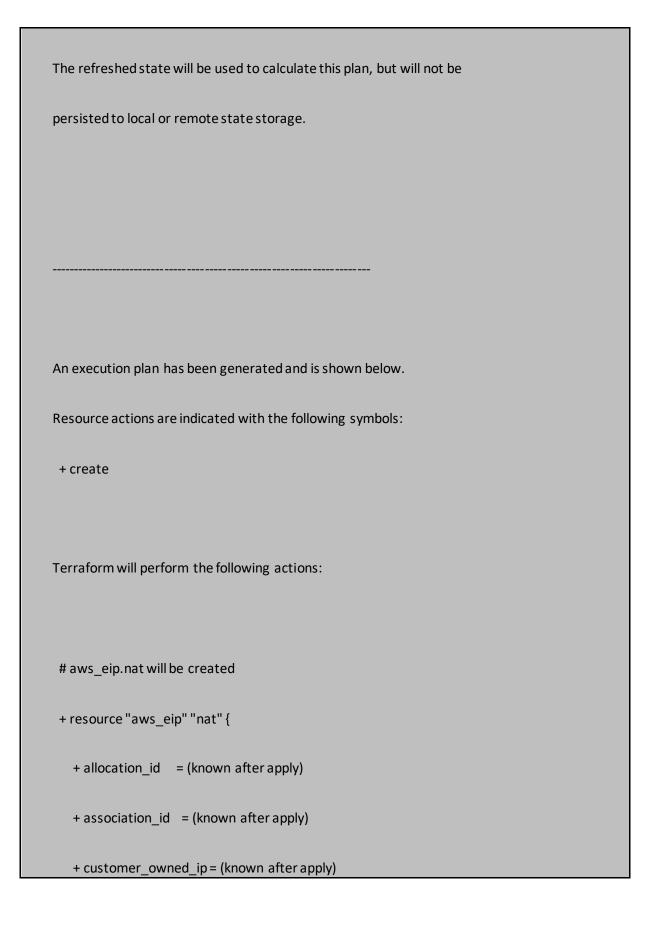
terraform init

```
[ec2-user@ip-172-31-34-15 AWS-Terraform]$ terraform init
Initializing the backend...
Initializing provider plugins...
The following providers do not have any version constraints in configuration,
so the latest version was installed.
To prevent automatic upgrades to new major versions that may contain breaking changes, it is recommended to add version = "..." constraints to the
corresponding provider blocks in configuration, with the constraint strings
suggested below.
Warning: Interpolation-only expressions are deprecated
           access key = "${var.aws access key}"
Terraform 0.11 and earlier required all non-constant expressions to be
provided via interpolation syntax, but this pattern is now deprecated. To silence this warning, remove the "${ sequence from the start and the }"
sequence from the end of this expression, leaving just the inner expression.
Template interpolation syntax is still used to construct strings from
expressions when the template includes multiple interpolation sequences or a
mixture of literal strings and interpolations. This deprecation applies only to templates that consist entirely of a single interpolation sequence.
Terraform has been successfully initialized!
```

terraform plan

[ec2-user@ip-172-31-34-15 AWS-Terraform]\$ terraform plan

Refreshing Terraform state in-memory prior to plan...



```
= (known after apply)
  + domain
              = (known after apply)
  + id
                 = (known after apply)
  + instance
  + network_interface = (known after apply)
  + private_dns = (known after apply)
                = (known after apply)
  + private_ip
  + public_dns
                = (known after apply)
                = (known after apply)
  + public_ip
  + public_ipv4_pool = (known after apply)
             = (known after apply)
  + vpc
 }
#aws_internet_gateway.main-igw will be created
+ resource "aws_internet_gateway" "main-igw" {
  + id
         = (known after apply)
  + owner_id = (known after apply)
  + tags = {
```

```
+ "Name" = "main-igw"
  }
 + vpc_id = (known after apply)
# aws_nat_gateway.main-natgw will be created
+ resource "aws_nat_gateway" "main-natgw" {
 + allocation_id
                 = (known after apply)
               = (known after apply)
  + id
  + network_interface_id = (known after apply)
               = (known after apply)
  + private_ip
                = (known after apply)
  + public_ip
              = (known after apply)
  + subnet_id
                = {
  + tags
   + "Name" = "main-nat"
```

```
# aws_route_table.main-private-rt will be created
+ resource "aws_route_table" "main-private-rt" {
  + id
             = (known after apply)
                = (known after apply)
  + owner_id
  + propagating_vgws = (known after apply)
  + route
              = [
    + {
      + cidr_block = "0.0.0.0/0"
      +egress_only_gateway_id = ""
                         = (known after apply)
      +gateway_id
      + instance_id
      + ipv6_cidr_block
      + nat_gateway_id
                            = ""
      + network_interface_id = ""
      +transit_gateway_id = ""
      +vpc_peering_connection_id = ""
```

```
},
  ]
             = {
  + tags
   + "Name" = "main-private-rt"
  + vpc_id = (known after apply)
 }
# aws_route_table.main-public-rt will be created
+ resource "aws_route_table" "main-public-rt" {
            = (known after apply)
  + id
  + owner_id = (known after apply)
  + propagating_vgws = (known after apply)
  + route
    + {
      + cidr_block
                  = "0.0.0.0/0"
      + egress_only_gateway_id = ""
```

```
+ gateway_id = (known after apply)
      + instance_id
     + ipv6_cidr_block
     + nat_gateway_id
                           = ""
     + network_interface_id = ""
     +transit_gateway_id
     +vpc_peering_connection_id = ""
    },
  ]
  + tags = {
   + "Name" = "main-public-rt"
  }
 + vpc_id = (known after apply)
# aws_route_table_association.private-assoc-1 will be created
+ resource "aws_route_table_association" "private-assoc-1" {
```

```
= (known after apply)
  + id
  + route_table_id = (known after apply)
  + subnet_id = (known after apply)
 }
# aws_route_table_association.private-assoc-2 will be created
+ resource "aws_route_table_association" "private-assoc-2" {
            = (known after apply)
  + id
  + route_table_id = (known after apply)
  + subnet_id = (known after apply)
 }
# aws_route_table_association.private-assoc-3 will be created
+ resource "aws_route_table_association" "private-assoc-3" {
            = (known after apply)
  + id
  + route_table_id = (known after apply)
  + subnet_id = (known after apply)
```

```
}
# aws_route_table_association.private-assoc-4 will be created
+ resource "aws_route_table_association" "private-assoc-4" {
  + id
            = (known after apply)
  + route_table_id = (known after apply)
  + subnet_id = (known after apply)
 }
# aws_route_table_association.public-assoc-1 will be created
+ resource "aws_route_table_association" "public-assoc-1" {
            = (known after apply)
  + id
  + route_table_id = (known after apply)
  + subnet_id = (known after apply)
 }
# aws_route_table_association.public-assoc-2 will be created
```

```
+ resource "aws_route_table_association" "public-assoc-2" {
            = (known after apply)
  + id
  + route_table_id = (known after apply)
  + subnet_id = (known after apply)
# aws_route_table_association.public-assoc-3 will be created
+ resource "aws_route_table_association" "public-assoc-3" {
            = (known after apply)
  + id
  + route_table_id = (known after apply)
  + subnet_id = (known after apply)
 }
# aws_route_table_association.public-assoc-4 will be created
+ resource "aws_route_table_association" "public-assoc-4" {
            = (known after apply)
  + id
  + route_table_id = (known after apply)
```

```
+ subnet_id = (known after apply)
 }
# aws_subnet.subnet1 will be created
+ resource "aws_subnet" "subnet1" {
                    = (known after apply)
  + arn
  + assign_ipv6_address_on_creation = false
                    = "ap-southeast-1a"
  + availability_zone
  + availability_zone_id
                         = (known after apply)
  + cidr_block = "10.0.1.0/24"
          = (known after apply)
  + id
  + ipv6_cidr_block
                         = (known after apply)
  + ipv6_cidr_block_association_id = (known after apply)
  + map_public_ip_on_launch
                               = false
  + owner_id = (known after apply)
  + tags
                   = {
    + "Name" = "app-subnet-1"
```

```
}
                   = (known after apply)
  + vpc_id
 }
# aws_subnet.subnet2 will be created
+ resource "aws_subnet" "subnet2" {
                     = (known after apply)
  + arn
  + assign_ipv6_address_on_creation = false
  + availability_zone
                        = "ap-southeast-1b"
  + availability_zone_id
                         = (known after apply)
  + cidr_block
                      ="10.0.2.0/24"
                    = (known after apply)
  + id
  + ipv6_cidr_block
                          = (known after apply)
  + ipv6_cidr_block_association_id = (known after apply)
  + map_public_ip_on_launch
                                = false
                      = (known after apply)
  + owner_id
  + tags
```

```
+ "Name" = "app-subnet-2"
   }
                     = (known after apply)
  + vpc_id
# aws_subnet.subnet3 will be created
+ resource "aws_subnet" "subnet3" {
                     = (known after apply)
  + arn
  + assign_ipv6_address_on_creation = false
  + availability_zone
                     = "ap-southeast-1a"
                       = (known after apply)
  + availability_zone_id
  + cidr_block
                      ="10.0.3.0/24"
                    = (known after apply)
  + id
  + ipv6_cidr_block
                          = (known after apply)
  + ipv6_cidr_block_association_id = (known after apply)
  + map_public_ip_on_launch
                                = false
  + owner_id = (known after apply)
```

```
+ tags
                    = {
    + "Name" = "elb-subnet-1"
  }
                      = (known after apply)
  + vpc_id
# aws_subnet.subnet4 will be created
+ resource "aws_subnet" "subnet4" {
                     = (known after apply)
  + arn
  + assign_ipv6_address_on_creation = false
  + availability_zone
                    = "ap-southeast-1b"
  + availability_zone_id
                         = (known after apply)
  + cidr_block
                      ="10.0.4.0/24"
                   = (known after apply)
  + id
  + ipv6_cidr_block
                   = (known after apply)
  + ipv6_cidr_block_association_id = (known after apply)
  + map_public_ip_on_launch = false
```

```
+ owner_id = (known after apply)
 + tags = {
   + "Name" = "elb-subnet-2"
  }
 + vpc_id = (known after apply)
# aws_subnet.subnet5 will be created
+ resource "aws_subnet" "subnet5" {
                   = (known after apply)
 + arn
 + assign_ipv6_address_on_creation = false
 + availability_zone = "ap-southeast-1a"
 + availability_zone_id
                     = (known after apply)
 + cidr_block
                    ="10.0.5.0/24"
  + id
      = (known after apply)
 + ipv6_cidr_block
                       = (known after apply)
  + ipv6_cidr_block_association_id = (known after apply)
```

```
+ map_public_ip_on_launch
                             = false
 + owner_id = (known after apply)
          = {
 + tags
   + "Name" = "db-subnet-1"
 + vpc_id = (known after apply)
# aws_subnet.subnet6 will be created
+ resource "aws_subnet" "subnet6" {
                   = (known after apply)
 + arn
 + assign_ipv6_address_on_creation = false
 + availability_zone = "ap-southeast-1b"
 + availability_zone_id
                       = (known after apply)
 + cidr_block = "10.0.6.0/24"
                  = (known after apply)
  + id
 + ipv6_cidr_block = (known after apply)
```

```
+ ipv6_cidr_block_association_id = (known after apply)
  + map_public_ip_on_launch
                               = false
  + owner_id
                = (known after apply)
  + tags
                     = {
   + "Name" = "db-subnet-2"
   }
                    = (known after apply)
  + vpc_id
 }
# aws_subnet.subnet7 will be created
+ resource "aws_subnet" "subnet7" {
                    = (known after apply)
  + arn
  + assign_ipv6_address_on_creation = false
  + availability_zone = "ap-southeast-1a"
  + availability_zone_id = (known after apply)
  + cidr_block
                      ="10.0.7.0/24"
  + id
                    = (known after apply)
```

```
+ ipv6_cidr_block
                         = (known after apply)
  + ipv6_cidr_block_association_id = (known after apply)
  + map_public_ip_on_launch
                              = false
  + owner_id = (known after apply)
  + tags
                     = {
    + "Name" = "nat-subnet-1"
   }
                     = (known after apply)
  + vpc_id
 }
# aws_subnet.subnet8 will be created
+ resource "aws_subnet" "subnet8" {
                    = (known after apply)
  + arn
  + assign_ipv6_address_on_creation = false
  + availability_zone
                    = "ap-southeast-1b"
                         = (known after apply)
  + availability_zone_id
  + cidr_block = "10.0.8.0/24"
```

```
+ id
                  = (known after apply)
 + ipv6_cidr_block = (known after apply)
 + ipv6_cidr_block_association_id = (known after apply)
 + map_public_ip_on_launch
                           = false
               = (known after apply)
 + owner_id
 + tags = {
   + "Name" = "nat-subnet-2"
  }
                = (known after apply)
 + vpc_id
 }
# aws_vpc.main will be created
+ resource "aws_vpc" "main" {
                    = (known after apply)
  + arn
 + assign_generated_ipv6_cidr_block = false
 + cidr_block = "10.0.0.0/16"
 + default_network_acl_id = (known after apply)
```

```
+ default_route_table_id
                            = (known after apply)
+ default_security_group_id
                            = (known after apply)
                          = (known after apply)
+ dhcp_options_id
+ enable_classiclink
                          = (known after apply)
+ enable_classiclink_dns_support = (known after apply)
+ enable_dns_hostnames
                               = true
+ enable_dns_support
                            = true
                   = (known after apply)
+ id
+ instance_tenancy
                          = "default"
+ ipv6_association_id
                         = (known after apply)
+ ipv6_cidr_block
                         = (known after apply)
+ main_route_table_id
                            = (known after apply)
+ owner_id
                       = (known after apply)
+ tags
                    = {
  + "Name" = "main"
```

Plan: 22 to add, 0 to change, 0 to destroy.

Warning: Interpolation-only expressions are deprecated

on aws.tfline 2, in provider "aws":

2: access_key="\${var.aws_access_key}"

Terraform 0.11 and earlier required all non-constant expressions to be provided via interpolation syntax, but this pattern is now deprecated. To silence this warning, remove the "\${ sequence from the start and the }" sequence from the end of this expression, leaving just the inner expression.

Template interpolation syntax is still used to construct strings from expressions when the template includes multiple interpolation sequences or a mixture of literal strings and interpolations. This deprecation applies only to templates that consist entirely of a single interpolation sequence.

	(and 42 more similar warnings elsewhere)
	Note: You didn't specify an "-out" parameter to save this plan, so Terraform
	can't guarantee that exactly these actions will be performed if
	"terraform apply" is subsequently run.
te	rraform apply
	An execution plan has been generated and is shown below.
	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)
   + association_id = (known after apply)
   + customer_owned_ip = (known after apply)
   + domain
              = (known after apply)
             = (known after apply)
   + id
               = (known after apply)
   + instance
   + network_interface = (known after apply)
   + private_dns = (known after apply)
   + private_ip = (known after apply)
```

```
+ public_dns = (known after apply)
  + public_ip = (known after apply)
  + public_ipv4_pool = (known after apply)
 + vpc = (known after apply)
 }
# aws_internet_gateway.main-igw will be created
+ resource "aws_internet_gateway" "main-igw" {
       = (known after apply)
  + id
  + owner_id = (known after apply)
  + tags = {
   + "Name" = "main-igw"
```

```
+ vpc_id = (known after apply)
 }
# aws_nat_gateway.main-natgw will be created
+ resource "aws_nat_gateway" "main-natgw" {
  + allocation_id = (known after apply)
  + id
             = (known after apply)
  + network_interface_id = (known after apply)
  + private_ip = (known after apply)
  + public_ip = (known after apply)
              = (known after apply)
  + subnet_id
  + tags = {
    + "Name" = "main-nat"
```

```
}
}
# aws_route_table.main-private-rt will be created
+ resource "aws_route_table" "main-private-rt" {
  + id = (known after apply)
  + owner_id = (known after apply)
  + propagating_vgws = (known after apply)
  + route = [
   + {
     + cidr_block = "0.0.0.0/0"
      +egress_only_gateway_id = ""
      + gateway_id = (known after apply)
```

```
+instance_id = ""
   +ipv6_cidr_block = ""
   +nat_gateway_id = ""
   + network_interface_id = ""
   +transit_gateway_id = ""
   +vpc_peering_connection_id = ""
  },
]
+ tags = {
+ "Name" = "main-private-rt"
 }
+ vpc_id = (known after apply)
```

```
#aws_route_table.main-public-rt will be created
+ resource "aws_route_table" "main-public-rt" {
      = (known after apply)
  + id
 + owner_id = (known after apply)
 + propagating_vgws = (known after apply)
  + route = [
   + {
     + cidr_block = "0.0.0.0/0"
     +egress_only_gateway_id = ""
     + gateway_id = (known after apply)
                      = ""
     +instance_id
     +ipv6_cidr_block
```

```
+nat_gateway_id = ""
      + network_interface_id = ""
      +transit_gateway_id = ""
     +vpc_peering_connection_id = ""
    },
  ]
  + tags = {
   + "Name" = "main-public-rt"
  }
 + vpc_id = (known after apply)
}
\hbox{\# aws\_route\_table\_association.private-assoc-1 will be created}
```

```
+ resource "aws_route_table_association" "private-assoc-1" {
        = (known after apply)
  + id
  + route_table_id = (known after apply)
  + subnet_id = (known after apply)
 }
# aws_route_table_association.private-assoc-2 will be created
+ resource "aws_route_table_association" "private-assoc-2" {
        = (known after apply)
  + id
  + route_table_id = (known after apply)
  + subnet_id = (known after apply)
 }
```

```
# aws_route_table_association.private-assoc-3 will be created
+ resource "aws_route_table_association" "private-assoc-3" {
        = (known after apply)
  + id
  + route_table_id = (known after apply)
  + subnet_id = (known after apply)
 }
# aws_route_table_association.private-assoc-4 will be created
+ resource "aws_route_table_association" "private-assoc-4" {
        = (known after apply)
  + id
  + route_table_id = (known after apply)
  + subnet_id = (known after apply)
```

```
# aws_route_table_association.public-assoc-1 will be created
+ resource "aws_route_table_association" "public-assoc-1" {
  + id
          = (known after apply)
  + route_table_id = (known after apply)
  + subnet_id = (known after apply)
 }
# aws_route_table_association.public-assoc-2 will be created
+ resource "aws_route_table_association" "public-assoc-2" {
           = (known after apply)
  + id
  + route_table_id = (known after apply)
  + subnet_id = (known after apply)
```

```
}
# aws_route_table_association.public-assoc-3 will be created
+ resource "aws_route_table_association" "public-assoc-3" {
        = (known after apply)
  + id
  + route_table_id = (known after apply)
  + subnet_id = (known after apply)
 }
# aws_route_table_association.public-assoc-4 will be created
+ resource "aws_route_table_association" "public-assoc-4" {
        = (known after apply)
  + id
  + route_table_id = (known after apply)
```

```
+ subnet_id = (known after apply)
}
# aws_subnet.subnet1 will be created
+ resource "aws_subnet" "subnet1" {
  + arn = (known after apply)
  + assign_ipv6_address_on_creation = false
  + availability_zone = "ap-southeast-1a"
  + availability_zone_id = (known after apply)
  + cidr_block = "10.0.1.0/24"
       = (known after apply)
  + id
  + ipv6_cidr_block = (known after apply)
  + ipv6_cidr_block_association_id = (known after apply)
```

```
+ map_public_ip_on_launch = false
 + owner_id = (known after apply)
 + tags = {
   + "Name" = "app-subnet-1"
 + vpc_id = (known after apply)
 }
# aws_subnet.subnet2 will be created
+ resource "aws_subnet" "subnet2" {
 + arn = (known after apply)
 + assign_ipv6_address_on_creation = false
 + availability_zone = "ap-southeast-1b"
```

```
+ availability_zone_id = (known after apply)
+ cidr_block = "10.0.2.0/24"
 + id = (known after apply)
+ ipv6_cidr_block = (known after apply)
+ ipv6_cidr_block_association_id = (known after apply)
 + map_public_ip_on_launch = false
+ owner_id = (known after apply)
+ tags = {
 + "Name" = "app-subnet-2"
 }
+ vpc_id = (known after apply)
}
```

```
# aws_subnet.subnet3 will be created
+ resource "aws_subnet" "subnet3" {
                  = (known after apply)
  + arn
  + assign_ipv6_address_on_creation = false
  + availability_zone = "ap-southeast-1a"
  + availability_zone_id = (known after apply)
  + cidr_block = "10.0.3.0/24"
       = (known after apply)
  + id
  + ipv6_cidr_block = (known after apply)
  + ipv6_cidr_block_association_id = (known after apply)
                            = false
  + map_public_ip_on_launch
  + owner_id = (known after apply)
  + tags
```

```
+ "Name" = "elb-subnet-1"
  }
 + vpc_id = (known after apply)
 }
# aws_subnet.subnet4 will be created
+ resource "aws_subnet" "subnet4" {
  + arn = (known after apply)
  + assign_ipv6_address_on_creation = false
  + availability_zone = "ap-southeast-1b"
  + availability_zone_id = (known after apply)
  + cidr_block = "10.0.4.0/24"
           = (known after apply)
  + id
```

```
+ ipv6_cidr_block = (known after apply)
  + ipv6_cidr_block_association_id = (known after apply)
  + map_public_ip_on_launch = false
  + owner_id = (known after apply)
  + tags = {
  + "Name" = "elb-subnet-2"
  }
 + vpc_id = (known after apply)
}
# aws_subnet.subnet5 will be created
+ resource "aws_subnet" "subnet5" {
         = (known after apply)
```

```
+ assign_ipv6_address_on_creation = false
+ availability_zone = "ap-southeast-1a"
+ availability_zone_id = (known after apply)
+ cidr_block = "10.0.5.0/24"
+ id = (known after apply)
+ ipv6_cidr_block = (known after apply)
+ ipv6_cidr_block_association_id = (known after apply)
+ map_public_ip_on_launch = false
+ owner_id = (known after apply)
+ tags = {
 + "Name" = "db-subnet-1"
 }
+ vpc_id = (known after apply)
```

```
}
# aws_subnet.subnet6 will be created
+ resource "aws_subnet" "subnet6" {
  + arn = (known after apply)
  + assign_ipv6_address_on_creation = false
  + availability_zone = "ap-southeast-1b"
  + availability_zone_id = (known after apply)
  + cidr_block = "10.0.6.0/24"
      = (known after apply)
  + id
  + ipv6_cidr_block = (known after apply)
  + ipv6_cidr_block_association_id = (known after apply)
  + map_public_ip_on_launch = false
```

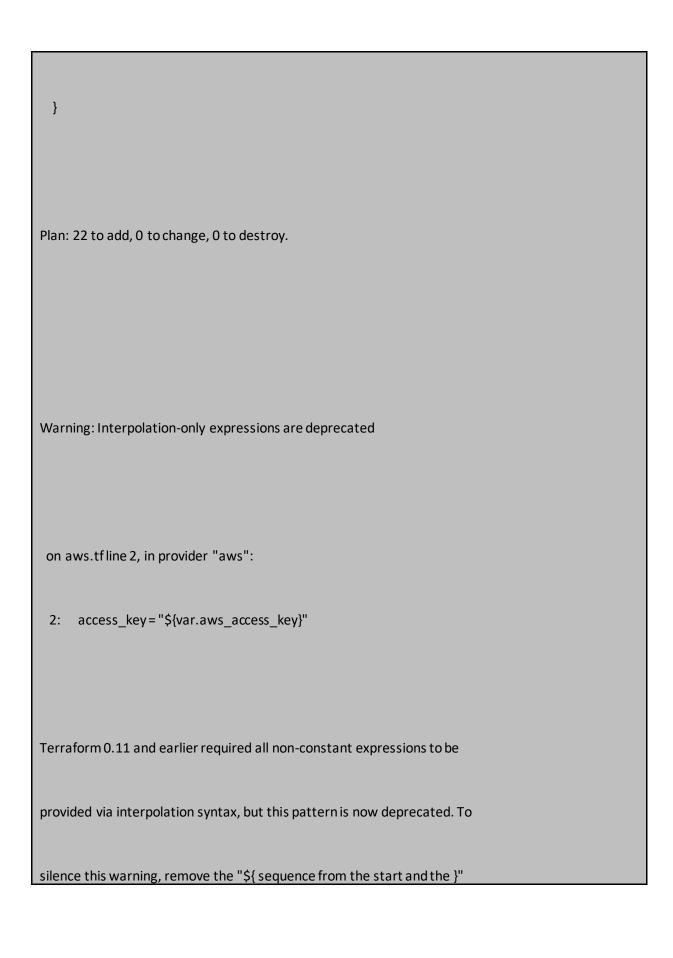
```
+ owner_id = (known after apply)
  + tags = {
   + "Name" = "db-subnet-2"
  }
 + vpc_id = (known after apply)
 }
# aws_subnet.subnet7 will be created
+ resource "aws_subnet" "subnet7" {
  + arn = (known after apply)
  + assign_ipv6_address_on_creation = false
  + availability_zone = "ap-southeast-1a"
  + availability_zone_id = (known after apply)
```

```
+ cidr_block = "10.0.7.0/24"
 + id = (known after apply)
 + ipv6_cidr_block = (known after apply)
 + ipv6_cidr_block_association_id = (known after apply)
 + map_public_ip_on_launch = false
 + owner_id = (known after apply)
 + tags = {
   + "Name" = "nat-subnet-1"
  }
 + vpc_id = (known after apply)
}
# aws_subnet.subnet8 will be created
```

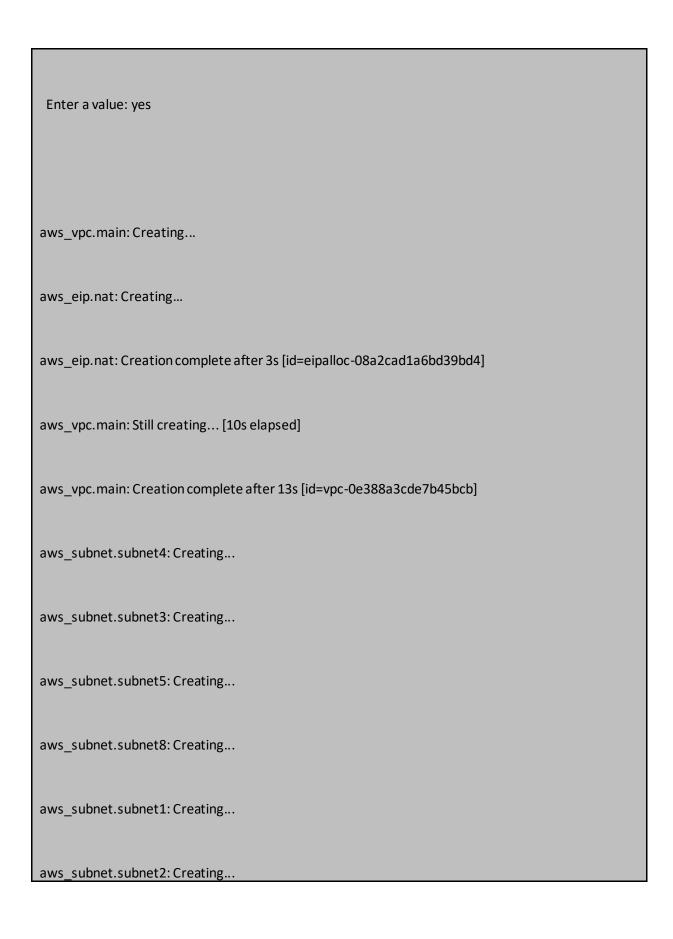
```
+ resource "aws_subnet" "subnet8" {
  + arn = (known after apply)
  + assign_ipv6_address_on_creation = false
  + availability_zone = "ap-southeast-1b"
  + availability_zone_id = (known after apply)
  + cidr_block = "10.0.8.0/24"
      = (known after apply)
  + id
  + ipv6_cidr_block = (known after apply)
  + ipv6_cidr_block_association_id = (known after apply)
  + map_public_ip_on_launch = false
  + owner_id = (known after apply)
  + tags = {
   + "Name" = "nat-subnet-2"
```

```
}
           = (known after apply)
  + vpc_id
 }
# aws_vpc.main will be created
+ resource "aws_vpc" "main" {
                     = (known after apply)
  + arn
  + assign_generated_ipv6_cidr_block = false
  + 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_classiclink = (known after apply)
+ enable_classiclink_dns_support = (known after apply)
+ enable_dns_hostnames = true
+ enable_dns_support = true
    = (known after apply)
+ id
+ instance_tenancy = "default"
+ ipv6_association_id = (known after apply)
+ ipv6_cidr_block = (known after apply)
+ main_route_table_id = (known after apply)
+ owner_id = (known after apply)
+ tags = {
 + "Name" = "main"
```



sequence from the end of this expression, leaving just the inner expression.
Template interpolation syntax is still used to construct strings from
expressions when the template includes multiple interpolation sequences or a
mixture of literal strings and interpolations. This deprecation applies only
to templates that consist entirely of a single interpolation sequence.
(and 42 more similar warnings elsewhere)
Do you want to perform these actions?
Terraform will perform the actions described above.
Only 'yes' will be accepted to approve.



```
aws_subnet.subnet7: Creating...
aws_subnet.subnet6: Creating...
aws_internet_gateway.main-igw: Creating...
aws_subnet.subnet8: Creation complete after 5s [id=subnet-0b3713658a5024d07]
aws_nat_gateway.main-natgw: Creating...
aws_subnet.subnet7: Creation complete after 5s [id=subnet-0be0a74e7410aca4f]
aws subnet.subnet1: Creation complete after 5s [id=subnet-047be506958ac9505]
aws_subnet.subnet3: Creation complete after 5s [id=subnet-00b11f9d1117c0027]
aws_subnet.subnet2: Creation complete after 5s [id=subnet-00d390a9c8dfdc977]
aws subnet.subnet4: Creation complete after 5s [id=subnet-08e56a8a4365ac2ef]
aws subnet.subnet5: Creation complete after 5s [id=subnet-0ab2e7c1b4f327350]
aws_subnet.subnet6: Creation complete after 5s [id=subnet-03438e4b834bcb577]
aws_internet_gateway.main-igw: Creation complete after 6s [id=igw-0cafcbb261928cffe]
```

```
aws_route_table.main-public-rt: Creating...
aws_route_table.main-public-rt: Creation complete after 5s [id=rtb-0aee36fab0e7b35eb]
aws_route_table_association.public-assoc-4: Creating...
aws_route_table_association.public-assoc-1: Creating...
aws_route_table_association.public-assoc-2: Creating...
aws_route_table_association.public-assoc-3: Creating...
aws route table association.public-assoc-1: Creation complete after 1s [id=rtbassoc-
046c1a6e64d873878]
aws route table association.public-assoc-2: Creation complete after 1s [id=rtbassoc-
0722125e07e237008]
aws_route_table_association.public-assoc-4: Creation complete after 1s [id=rtbassoc-
076227cf24d5c3755]
aws_route_table_association.public-assoc-3: Creation complete after 1s [id=rtbassoc-
074d0c83a1a3c90a3]
aws_nat_gateway.main-natgw: Still creating... [10s elapsed]
```

```
aws_nat_gateway.main-natgw: Still creating... [20s elapsed]
aws_nat_gateway.main-natgw: Still creating... [30s elapsed]
aws_nat_gateway.main-natgw: Still creating... [40s elapsed]
aws_nat_gateway.main-natgw: Still creating... [50s elapsed]
aws_nat_gateway.main-natgw: Still creating... [1m0s elapsed]
aws_nat_gateway.main-natgw: Still creating... [1m10s elapsed]
aws nat gateway.main-natgw: Still creating... [1m20s elapsed]
aws_nat_gateway.main-natgw: Still creating... [1m30s elapsed]
aws_nat_gateway.main-natgw: Creation complete after 1m38s [id=nat-0d67b00a7036d53c4]
aws_route_table.main-private-rt: Creating...
aws route table.main-private-rt: Creation complete after 5s [id=rtb-0542bf97862b5f10d]
aws_route_table_association.private-assoc-1: Creating...
aws_route_table_association.private-assoc-3: Creating...
```

```
aws_route_table_association.private-assoc-2: Creating...
aws_route_table_association.private-assoc-4: Creating...
aws_route_table_association.private-assoc-1: Creation complete after 1s [id=rtbassoc-
09c3a6aaefcb3e73c]
aws_route_table_association.private-assoc-2: Creation complete after 1s [id=rtbassoc-
000f93d37d0e129be]
aws_route_table_association.private-assoc-4: Creation complete after 1s [id=rtbassoc-
062c4783aaf0bfdbc]
aws_route_table_association.private-assoc-3: Creation complete after 1s [id=rtbassoc-
Odf9bc5dc1735ec34]
Apply complete! Resources: 22 added, 0 changed, 0 destroyed.
```

terraform destroy

```
aws_eip.nat: Refreshing state... [id=eipalloc-08a2cad1a6bd39bd4]
aws_vpc.main: Refreshing state... [id=vpc-0e388a3cde7b45bcb]
aws_subnet.subnet3: Refreshing state... [id=subnet-00b11f9d1117c0027]
aws_subnet.subnet7: Refreshing state... [id=subnet-0be0a74e7410aca4f]
aws_subnet.subnet4: Refreshing state... [id=subnet-08e56a8a4365ac2ef]
aws_subnet.subnet6: Refreshing state... [id=subnet-03438e4b834bcb577]
```

```
aws subnet.subnet8: Refreshing state...[id=subnet-0b3713658a5024d07]
aws_subnet.subnet1: Refreshing state... [id=subnet-047be506958ac9505]
aws subnet.subnet5: Refreshing state...[id=subnet-0ab2e7c1b4f327350]
aws subnet.subnet2: Refreshing state... [id=subnet-00d390a9c8dfdc977]
aws internet gateway.main-igw: Refreshing state... [id=igw-0cafcbb261928cffe]
aws route table.main-public-rt: Refreshing state... [id=rtb-0aee36fab0e7b35eb]
aws_nat_gateway.main-natgw: Refreshing state...[id=nat-0d67b00a7036d53c4]
aws route table association.public-assoc-3: Refreshing state... [id=rtbassoc-074d0c83a1a3c90a3]
aws route table association.public-assoc-4: Refreshing state... [id=rtbassoc-076227cf24d5c3755]
aws route table association.public-assoc-1: Refreshing state... [id=rtbassoc-046c1a6e64d873878]
aws route table association.public-assoc-2: Refreshing state... [id=rtbassoc-0722125e07e237008]
aws route table.main-private-rt: Refreshing state...[id=rtb-0542bf97862b5f10d]
aws route table association.private-assoc-4: Refreshing state... [id=rtbassoc-062c4783aaf0bfdbc]
aws route table association.private-assoc-1: Refreshing state... [id=rtbassoc-09c3a6aaefcb3e73c]
aws_route_table_association.private-assoc-3: Refreshing state... [id=rtbassoc-0df9bc5dc1735ec34]
aws_route_table_association.private-assoc-2: Refreshing state... [id=rtbassoc-000f93d37d0e129be]
An execution plan has been generated and is shown below.
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" {
   - association_id = "eipassoc-37d35cfa" -> null
   - domain
                  = "vpc" -> null
   - id
              = "eipalloc-08a2cad1a6bd39bd4" -> null
   - network interface = "eni-0bab343104c00aca6" -> null
   - private dns = "ip-10-0-8-92.ap-southeast-1.compute.internal" -> null
   - private ip = "10.0.8.92" -> null
   - public dns
                  = "ec2-18-140-146-63.ap-southeast-1.compute.amazonaws.com" -> null
   - public ip = "18.140.146.63" -> null
   - public_ipv4_pool = "amazon" -> null
   - tags = {} -> null
               = true -> null
   - vpc
# aws internet gateway.main-igw will be destroyed
- resource "aws internet gateway" "main-igw" {
          = "igw-0cafcbb261928cffe" -> null
   - owner id = "964305647536" -> null
   -tags = {
     - "Name" = "main-igw"
   - vpc id = "vpc-0e388a3cde7b45bcb" -> null
  }
```

```
# aws_nat_gateway.main-natgw will be destroyed
- resource "aws_nat_gateway" "main-natgw" {
  - allocation id
                   = "eipalloc-08a2cad1a6bd39bd4" -> null
  - id
               = "nat-0d67b00a7036d53c4" -> null
  - network interface id = "eni-0bab343104c00aca6" -> null
  - private_ip = "10.0.8.92" -> null
                = "18.140.146.63" -> null
  public_ip
                 = "subnet-0b3713658a5024d07" -> null
  - subnet id
  - tags
               = {
    - "Name" = "main-nat"
   } -> null
# aws route table.main-private-rt will be destroyed
- resource "aws_route_table" "main-private-rt" {
             = "rtb-0542bf97862b5f10d" -> null
  - id
  - owner id
                = "964305647536" -> null
  - propagating_vgws = [] -> null
  - route
             = [
    - {
      - cidr block
                         = "0.0.0.0/0"
      - egress_only_gateway_id = ""
      - gateway id
      instance_id
      - ipv6 cidr block
      - nat gateway id
                            = "nat-0d67b00a7036d53c4"
      - network_interface_id = ""
      - transit gateway id
      - vpc_peering_connection_id = ""
     },
   ] -> null
              = {
  - tags
    - "Name" = "main-private-rt"
   } -> null
  - vpc id
               = "vpc-0e388a3cde7b45bcb" -> null
# aws_route_table.main-public-rt will be destroyed
- resource "aws route table" "main-public-rt" {
             = "rtb-0aee36fab0e7b35eb" -> null
                = "964305647536" -> null
  - owner id
  - propagating_vgws = [] -> null
  - route
             = [
    - {
      cidr_block
                         = "0.0.0.0/0"
      - egress_only_gateway_id = ""
      -gateway id
                           = "igw-0cafcbb261928cffe"
      - instance id
```

```
- ipv6 cidr block
                             = ""
      - nat_gateway_id
      - network interface id
      - transit_gateway_id
      - vpc_peering_connection id = ""
     },
   ] -> null
  - tags
              = {
    - "Name" = "main-public-rt"
   }-> null
  - vpc id
               = "vpc-0e388a3cde7b45bcb" -> null
# aws route table association.private-assoc-1 will be destroyed
- resource "aws_route_table_association" "private-assoc-1" {
            = "rtbassoc-09c3a6aaefcb3e73c" -> null
  - id
  - route table id = "rtb-0542bf97862b5f10d" -> null
  - subnet id = "subnet-047be506958ac9505" -> null
# aws route table association.private-assoc-2 will be destroyed
- resource "aws route table association" "private-assoc-2" {
            = "rtbassoc-000f93d37d0e129be" -> null
  - route table id = "rtb-0542bf97862b5f10d" -> null
  - subnet id = "subnet-00d390a9c8dfdc977" -> null
# aws route table association.private-assoc-3 will be destroyed
- resource "aws_route_table_association" "private-assoc-3" {
  - id
            = "rtbassoc-0df9bc5dc1735ec34" -> null
  - route table id = "rtb-0542bf97862b5f10d" -> null
  - subnet id = "subnet-0ab2e7c1b4f327350" -> null
 }
# aws route table association.private-assoc-4 will be destroyed
- resource "aws_route_table_association" "private-assoc-4" {
            = "rtbassoc-062c4783aaf0bfdbc" -> null
  - route table id = "rtb-0542bf97862b5f10d" -> null
  - subnet id = "subnet-03438e4b834bcb577" -> null
# aws route table association.public-assoc-1 will be destroyed
- resource "aws_route_table_association" "public-assoc-1" {
            = "rtbassoc-046c1a6e64d873878" -> null
  - id
  - route table id = "rtb-0aee36fab0e7b35eb" -> null
  - subnet id = "subnet-00b11f9d1117c0027" -> null
 }
```

```
# aws route table association.public-assoc-2 will be destroyed
 - resource "aws_route_table_association" "public-assoc-2" {
            = "rtbassoc-0722125e07e237008" -> null
   - route table id = "rtb-0aee36fab0e7b35eb" -> null
   - subnet id = "subnet-08e56a8a4365ac2ef" -> null
 # aws route table association.public-assoc-3 will be destroyed
 - resource "aws route table association" "public-assoc-3" {
            = "rtbassoc-074d0c83a1a3c90a3" -> null
   - route table id = "rtb-0aee36fab0e7b35eb" -> null
   - subnet id = "subnet-0be0a74e7410aca4f" -> null
  }
 # aws_route_table_association.public-assoc-4 will be destroyed
 - resource "aws_route_table_association" "public-assoc-4" {
            = "rtbassoc-076227cf24d5c3755" -> null
   - route table id = "rtb-0aee36fab0e7b35eb" -> null
   - subnet id = "subnet-0b3713658a5024d07" -> null
 # aws_subnet.subnet1 will be destroyed
 - resource "aws subnet" "subnet1" {
                      = "arn:aws:ec2:ap-southeast-1:964305647536:subnet/subnet-
047be506958ac9505" -> null
   - assign ipv6 address on creation = false -> null
   - availability_zone = "ap-southeast-1a" -> null
   - availability_zone_id = "apse1-az1" -> null
   - cidr block
                       = "10.0.1.0/24" -> null
   - id
                     = "subnet-047be506958ac9505" -> null
   - map public ip on launch = false -> null
                         = "964305647536" -> null
   - owner id
   - tags
                      = {
    - "Name" = "app-subnet-1"
   }-> null
   vpc_id
                       = "vpc-0e388a3cde7b45bcb" -> null
# aws_subnet.subnet2 will be destroyed
- resource "aws subnet" "subnet2" {
                      = "arn:aws:ec2:ap-southeast-1:964305647536:subnet/subnet-
   - arn
00d390a9c8dfdc977" -> null
   - assign_ipv6_address_on_creation = false -> null
   - availability zone = "ap-southeast-1b" -> null
   - availability_zone_id
                             = "apse1-az2" -> null
   - cidr block
                       = "10.0.2.0/24" -> null
                     = "subnet-00d390a9c8dfdc977" -> null
   - id
   - map public ip on launch = false -> null
```

```
= "964305647536" -> null
   - owner id
   - tags
                      = {
     - "Name" = "app-subnet-2"
   } -> null
                       = "vpc-0e388a3cde7b45bcb" -> null
  - vpc id
 # aws subnet.subnet3 will be destroyed
 - resource "aws subnet" "subnet3" {
                      = "arn:aws:ec2:ap-southeast-1:964305647536:subnet/subnet-
   - arn
00b11f9d1117c0027" -> null
   - assign ipv6 address on creation = false -> null
  - availability_zone = "ap-southeast-1a" -> null
  - availability_zone_id
                           = "apse1-az1" -> null
  - cidr_block
                      = "10.0.3.0/24" -> null
                     = "subnet-00b11f9d1117c0027" -> null
   - map_public_ip_on_launch = false -> null
                         = "964305647536" -> null
  - owner id
   - tags
                      = {
    - "Name" = "elb-subnet-1"
   }-> null
   - vpc id
                       = "vpc-0e388a3cde7b45bcb" -> null
 # aws subnet.subnet4 will be destroyed
- resource "aws subnet" "subnet4" {
                      = "arn:aws:ec2:ap-southeast-1:964305647536:subnet/subnet-
   - arn
08e56a8a4365ac2ef" -> null
   - assign_ipv6_address_on_creation = false -> null
   - availability zone = "ap-southeast-1b" -> null
   availability_zone_id
                          = "apse1-az2" -> null
   - cidr block
                       = "10.0.4.0/24" -> null
  - id
                     = "subnet-08e56a8a4365ac2ef" -> null
   - map_public_ip_on_launch = false -> null
  - owner id
                         = "964305647536" -> null
                      = {
  - tags
    - "Name" = "elb-subnet-2"
    } -> null
                     = "vpc-0e388a3cde7b45bcb" -> null
   - vpc id
# aws_subnet.subnet5 will be destroyed
- resource "aws_subnet" "subnet5" {
                      = "arn:aws:ec2:ap-southeast-1:964305647536:subnet/subnet-
0ab2e7c1b4f327350" -> null
   - assign_ipv6_address_on_creation = false -> null
   - availability zone = "ap-southeast-1a" -> null
  - availability zone id = "apse1-az1" -> null
```

```
- cidr_block = "10.0.5.0/24" -> null
   - id
                     = "subnet-0ab2e7c1b4f327350" -> null
   - map_public_ip_on_launch
                                 = false -> null
   - owner id
                         = "964305647536" -> null
                      = {
   - tags
    - "Name" = "db-subnet-1"
   }-> null
   - vpc_id
                       = "vpc-0e388a3cde7b45bcb" -> null
 # aws subnet.subnet6 will be destroyed
- resource "aws subnet" "subnet6" {
                      = "arn:aws:ec2:ap-southeast-1:964305647536:subnet/subnet-
03438e4b834bcb577" -> null
   - assign_ipv6_address_on_creation = false -> null
   - availability_zone = "ap-southeast-1b" -> null
   - availability_zone_id = "apse1-az2" -> null
   - cidr_block = "10.0.6.0/24" -> null
                     = "subnet-03438e4b834bcb577" -> null
   - id
   - map_public_ip_on_launch = false -> null
                         = "964305647536" -> null
   - owner id
   - tags
                      = {
    - "Name" = "db-subnet-2"
   }-> null
                     = "vpc-0e388a3cde7b45bcb" -> null
   - vpc id
# aws subnet.subnet7 will be destroyed
- resource "aws_subnet" "subnet7" {
   - arn
                      = "arn:aws:ec2:ap-southeast-1:964305647536:subnet/subnet-
0be0a74e7410aca4f" -> null
   - assign ipv6 address on creation = false -> null
  - availability_zone = "ap-southeast-1a" -> null
- availability_zone_id = "apse1-az1" -> null
  - cidr_block
                      = "10.0.7.0/24" -> null
                    = "subnet-0be0a74e7410aca4f" -> null
   - map_public_ip_on_launch = false -> null
   - owner_id
                         = "964305647536" -> null
                      = {
   - tags
     - "Name" = "nat-subnet-1"
    } -> null
                       = "vpc-0e388a3cde7b45bcb" -> null
   vpc_id
# aws_subnet.subnet8 will be destroyed
 - resource "aws_subnet" "subnet8" {
                      = "arn:aws:ec2:ap-southeast-1:964305647536:subnet/subnet-
   - arn
0b3713658a5024d07" -> null
```

```
- assign_ipv6_address_on_creation = false -> null
   - availability_zone = "ap-southeast-1b" -> null
   - availability zone id
                           = "apse1-az2" -> null
  - cidr_block
                       = "10.0.8.0/24" -> null
   - id
                     = "subnet-0b3713658a5024d07" -> null
   - map_public_ip_on_launch = false -> null
                         = "964305647536" -> null
   owner_id
                      = {
   - tags
     - "Name" = "nat-subnet-2"
    }-> null
   - vpc_id
                       = "vpc-0e388a3cde7b45bcb" -> null
# aws vpc.main will be destroyed
- resource "aws_vpc" "main" {
                       = "arn:aws:ec2:ap-southeast-1:964305647536:vpc/vpc-0e388a3cde7b45bcb" ->
   - arn
null
   - assign generated ipv6 cidr block = false -> null
                         = "10.0.0.0/16" -> null
   - cidr block
   - default_network_acl_id = "acl-0bf66fe5e4b3bde3e" -> null
   - default_route_table_id = "rtb-0e99706cf4892f011" -> null
   - default_security_group_id = "sg-0094abe5361ecc0e5"-> null
   - dhcp options id
                            = "dopt-c67466a1" -> null
                            = false -> null
   enable_classiclink
   - enable classiclink dns support = false -> null
   - enable dns hostnames = true -> null
   enable_dns_support
                               = true -> null
   - id
                      = "vpc-0e388a3cde7b45bcb" -> null
                           = "default" -> null
   instance_tenancy
   - main route table id
                             = "rtb-0e99706cf4892f011" -> null
                          = "964305647536" -> null
   - owner id
   - tags
                       = {
     - "Name" = "main"
    } -> null
  }
Plan: 0 to add, 0 to change, 22 to destroy.
Warning: Interpolation-only expressions are deprecated
on aws.tf line 2, in provider "aws":
 2: access_key="${var.aws_access_key}"
Terraform 0.11 and earlier required all non-constant expressions to be
provided via interpolation syntax, but this pattern is now deprecated. To
silence this warning, remove the "${ sequence from the start and the }"
sequence from the end of this expression, leaving just the inner expression.
```

Template interpolation syntax is still used to construct strings from expressions when the template includes multiple interpolation sequences or a mixture of literal strings and interpolations. This deprecation applies only to templates that consist entirely of a single interpolation sequence.

(and 42 more similar warnings elsewhere)

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.private-assoc-3: Destroying...[id=rtbassoc-0df9bc5dc1735ec34]
aws_route_table_association.private-assoc-2: Destroying...[id=rtbassoc-000f93d37d0e129be]
aws route table association.public-assoc-3: Destroying... [id=rtbassoc-074d0c83a1a3c90a3]
aws route table association.private-assoc-4: Destroying...[id=rtbassoc-062c4783aaf0bfdbc]
aws route table association.public-assoc-2: Destroying... [id=rtbassoc-0722125e07e237008]
aws route table association.public-assoc-1: Destroying... [id=rtbassoc-046c1a6e64d873878]
aws route table association.public-assoc-4: Destroying... [id=rtbassoc-076227cf24d5c3755]
aws route table association.private-assoc-1: Destroying...[id=rtbassoc-09c3a6aaefcb3e73c]
aws route table association.public-assoc-2: Destruction complete after 1s
aws_subnet.subnet4: Destroying... [id=subnet-08e56a8a4365ac2ef]
aws route table association.public-assoc-3: Destruction complete after 1s
aws subnet.subnet7: Destroying... [id=subnet-0be0a74e7410aca4f]
aws route table association.public-assoc-1: Destruction complete after 1s
aws subnet.subnet3: Destroying... [id=subnet-00b11f9d1117c0027]
aws_route_table_association.private-assoc-3: Destruction complete after 1s
aws subnet.subnet5: Destroying... [id=subnet-0ab2e7c1b4f327350]
aws route table association.public-assoc-4: Destruction complete after 1s
aws route table association.private-assoc-2: Destruction complete after 1s
aws subnet.subnet2: Destroying... [id=subnet-00d390a9c8dfdc977]
aws_route_table.main-public-rt: Destroying...[id=rtb-0aee36fab0e7b35eb]
aws_route_table_association.private-assoc-1: Destruction complete after 1s
aws_subnet.subnet1: Destroying... [id=subnet-047be506958ac9505]
aws route table association.private-assoc-4: Destruction complete after 1s
aws_subnet.subnet6: Destroying... [id=subnet-03438e4b834bcb577]
aws route table.main-private-rt: Destroying... [id=rtb-0542bf97862b5f10d]
aws subnet.subnet3: Destruction complete after 3s
aws subnet.subnet4: Destruction complete after 3s
aws subnet.subnet5: Destruction complete after 3s
aws_subnet.subnet1: Destruction complete after 3s
aws subnet.subnet7: Destruction complete after 3s
aws_subnet.subnet2: Destruction complete after 3s
aws subnet.subnet6: Destruction complete after 3s
aws route table.main-public-rt: Destruction complete after 3s
aws internet gateway.main-igw: Destroying... [id=igw-0cafcbb261928cffe]
```

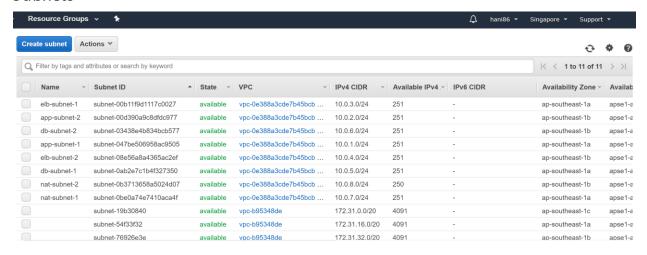
```
aws route table.main-private-rt: Destruction complete after 3s
aws_nat_gateway.main-natgw: Destroying...[id=nat-0d67b00a7036d53c4]
aws_internet_gateway.main-igw: Still destroying... [id=igw-0cafcbb261928cffe, 10s elapsed]
aws_nat_gateway.main-natgw: Still destroying... [id=nat-0d67b00a7036d53c4, 10s elapsed]
aws internet gateway.main-igw: Still destroying... [id=igw-0cafcbb261928cffe, 20s elapsed]
aws_nat_gateway.main-natgw: Still destroying... [id=nat-0d67b00a7036d53c4, 20s elapsed]
aws_internet_gateway.main-igw: Still destroying... [id=igw-0cafcbb261928cffe, 30s elapsed]
aws nat gateway.main-natgw: Still destroying... [id=nat-0d67b00a7036d53c4, 30s elapsed]
aws_internet_gateway.main-igw: Still destroying... [id=igw-0cafcbb261928cffe, 40s elapsed]
aws_nat_gateway.main-natgw: Still destroying... [id=nat-0d67b00a7036d53c4, 40s elapsed]
aws internet gateway.main-igw: Destruction complete after 49s
aws nat gateway.main-natgw: Still destroying... [id=nat-0d67b00a7036d53c4, 50s elapsed]
aws_nat_gateway.main-natgw: Destruction complete after 56s
aws subnet.subnet8: Destroying... [id=subnet-0b3713658a5024d07]
aws_eip.nat: Destroying...[id=eipalloc-08a2cad1a6bd39bd4]
aws_eip.nat: Destruction complete after 3s
aws_subnet.subnet8: Destruction complete after 3s
aws vpc.main: Destroying... [id=vpc-0e388a3cde7b45bcb]
aws vpc.main: Destruction complete after 1s
Destroy complete! Resources: 22 destroyed.
```

My VPC Resources

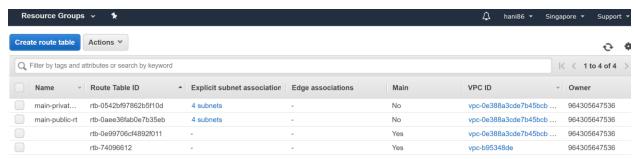
VPC - main



Subnets



Route Table



IG



NAT



NACL



Security

