

AWS::TemplateFormatVersion: "2010-09-09"
Description: My AWS Infrastructure Stack

Resources:

MyVPC:

Type: AWS::EC2::VPC
Properties:
CidrBlock: "10.1.0.0/16"
DeletionPolicy: Retain

PublicSubnet1:

Type: AWS::EC2::Subnet
Properties:
VpcId: !Ref MyVPC
CidrBlock: "10.1.0.0/24"
AvailabilityZone: "us-east-1a"
DeletionPolicy: Retain

PublicSubnet2:

Type: AWS::EC2::Subnet
Properties:
VpcId: !Ref MyVPC
CidrBlock: "10.1.1.0/24"
AvailabilityZone: "us-east-1b"
DeletionPolicy: Retain

PrivateSubnet1:

Type: AWS::EC2::Subnet
Properties:
VpcId: !Ref MyVPC
CidrBlock: "10.1.2.0/24"
AvailabilityZone: "us-east-1a"
DeletionPolicy: Retain

PrivateSubnet2:

Type: AWS::EC2::Subnet
Properties:
VpcId: !Ref MyVPC
CidrBlock: "10.1.3.0/24"
AvailabilityZone: "us-east-1b"
DeletionPolicy: Retain

InternetGateway:

Type: AWS::EC2::InternetGateway
Properties:
Tags:
- Key: Name
Value: iggateway

AttachGateway:

Type: AWS::EC2::VPCEGatewayAttachment
Properties:
VpcId: !Ref MyVPC
InternetGatewayId: !Ref InternetGateway

MyNATGatewayEIP:

Type: AWS::EC2::EIP

MyNATGateway:

Type: AWS::EC2::NatGateway

Properties:

AllocationId: !GetAtt MyNATGatewayEIP.AllocationId

SubnetId: !Ref PublicSubnet1

MyS3Bucket:

Type: AWS::S3::Bucket

Properties:

BucketName: myuniquebucket1293

DeletionPolicy: Retain

MySecurityGroup:

Type: AWS::EC2::SecurityGroup

Properties:

GroupDescription: My Security Group

VpcId: !Ref MyVPC

SecurityGroupIngress:

– IpProtocol: tcp

FromPort: 22

ToPort: 22

CidrIp: 0.0.0.0/0

DeletionPolicy: Retain

MyDBSubnetGroup:

Type: AWS::RDS::DBSubnetGroup

Properties:

DBSubnetGroupName: "mydb-subnet-group"

DBSubnetGroupDescription: "My DB Subnet Group"

SubnetIds:

– !Ref PublicSubnet1

– !Ref PublicSubnet2

DeletionPolicy: Retain

MyRDSInstance:

Type: AWS::RDS::DBInstance

Properties:

AllocatedStorage: 20

DBInstanceClass: db.t2.micro

Engine: mysql

MasterUsername: eeshupranav

MasterUserPassword: Pranav12

VPCSecurityGroups:

– !GetAtt MySecurityGroup.GroupId

DBSubnetGroupName: !Ref MyDBSubnetGroup

DeletionPolicy: Snapshot

MyEC2Instance:

Type: AWS::EC2::Instance

Properties:

InstanceType: t2.micro
KeyName: NATKEY
ImageId: ami-08f495eb9d4054bd3
SubnetId: !Ref PublicSubnet1
DeletionPolicy: Retain

Outputs:

VpcId:
Description: VPC ID
Value: !Ref MyVPC
PublicSubnet1Id:
Description: Public Subnet 1 ID
Value: !Ref PublicSubnet1
PublicSubnet2Id:
Description: Public Subnet 2 ID
Value: !Ref PublicSubnet2
PrivateSubnet1Id:
Description: Private Subnet 1 ID
Value: !Ref PrivateSubnet1
PrivateSubnet2Id:
Description: Private Subnet 2 ID
Value: !Ref PrivateSubnet2
InternetGatewayId:
Description: Internet Gateway ID
Value: !Ref InternetGateway
S3BucketName:
Description: S3 Bucket Name
Value: !Ref MyS3Bucket