AWSTemplateFormatVersion: 2010-09-09

Description: Deploy a VPC with public/private subnets

Resources:

VPC:

Type: AWS::EC2::VPC

Properties:

CidrBlock: 10.0.0.0/16

EnableDnsHostnames: true

Tags:

- Key: Name

Value: myVPC

InternetGateway:

Type: AWS::EC2::InternetGateway

Properties:

Tags:

- Key: Name

Value: myVPC Internet Gateway

AttachGateway:

Type: AWS::EC2::VPCGatewayAttachment

Properties:

VpcId: !Ref VPC

InternetGatewayId: !Ref InternetGateway

PublicSubnet1:

Type: AWS::EC2::Subnet

Properties:

VpcId: !Ref VPC

CidrBlock: 10.0.0.0/24

AvailabilityZone: !Select

- '0'

- !GetAZs ''

Tags:

- Key: Name

Value: Public Subnet 1

PrivateSubnet1:

Type: AWS::EC2::Subnet

Properties:

VpcId: !Ref VPC

CidrBlock: 10.0.1.0/24

AvailabilityZone: !Select

- '0'

- !GetAZs ''

Tags:

- Key: Name

Value: Private Subnet 1

PublicSubnet2:

Type: AWS::EC2::Subnet

Properties:

VpcId: !Ref VPC

CidrBlock: 10.0.2.0/24

AvailabilityZone: !Select

- '1'

- !GetAZs ''

Tags:

- Key: Name

Value: Public Subnet 2

PrivateSubnet2:

Type: AWS::EC2::Subnet

Properties:

VpcId: !Ref VPC

CidrBlock: 10.0.3.0/24

AvailabilityZone: !Select

- '1'

- !GetAZs ''

Tags:

- Key: Name

Value: Private Subnet 2

PublicRouteTable:

Type: AWS::EC2::RouteTable

Properties:

VpcId: !Ref VPC

Tags:

- Key: Name

Value: Public Route Table

PublicRoute:

Type: AWS::EC2::Route

Properties:

RouteTableId: !Ref PublicRouteTable

DestinationCidrBlock: 0.0.0.0/0

GatewayId: !Ref InternetGateway

PublicSubnetRouteTableAssociation1:

Type: AWS::EC2::SubnetRouteTableAssociation

Properties:

SubnetId: !Ref PublicSubnet1

RouteTableId: !Ref PublicRouteTable

PublicSubnetRouteTableAssociation2:

Type: AWS::EC2::SubnetRouteTableAssociation

Properties:

SubnetId: !Ref PublicSubnet2

RouteTableId: !Ref PublicRouteTable

PrivateRouteTable:

Type: AWS::EC2::RouteTable

Properties:

VpcId: !Ref VPC

Tags:

- Key: Name

Value: Private Route Table

PrivateSubnetRouteTableAssociation1:

Type: AWS::EC2::SubnetRouteTableAssociation

Properties:

SubnetId: !Ref PrivateSubnet1

RouteTableId: !Ref PrivateRouteTable

PrivateSubnetRouteTableAssociation2:

Type: AWS::EC2::SubnetRouteTableAssociation

Properties:

SubnetId: !Ref PrivateSubnet2

RouteTableId: !Ref PrivateRouteTable

Outputs:

VPC:

Description: VPC

Value: !Ref VPC

AZ1:

Description: Availability Zone 1

Value: !GetAtt

- PublicSubnet1

- AvailabilityZone

AZ2:

Description: Availability Zone 2

Value: !GetAtt

- PublicSubnet2

- AvailabilityZone