AWSTemplateFormatVersion: '2010-09-09'

Description: Create a VPC, a public subnet, and an Amazon Linux EC2 instance

Resources:

MyVPC:

Type: AWS::EC2::VPC

Properties:

CidrBlock: 10.0.0.0/16

EnableDnsSupport: true

EnableDnsHostnames: true

Tags:

- Key: Name

Value: "MyVPC"

MyPublicSubnet:

Type: AWS::EC2::Subnet

Properties:

VpcId: !Ref MyVPC

CidrBlock: 10.0.1.0/24

AvailabilityZone: !Select [0, !GetAZs '']

MapPublicIpOnLaunch: true

Tags:

- Key: Name

Value: "MyPublicSubnet"

MyInternetGateway:

Type: AWS::EC2::InternetGateway

AttachGateway:

Type: AWS::EC2::VPCGatewayAttachment

Properties:

VpcId: !Ref MyVPC

InternetGatewayId: !Ref MyInternetGateway

MyRouteTable:

Type: AWS::EC2::RouteTable

Properties:

VpcId: !Ref MyVPC

Tags:

- Key: Name

Value: "MyRouteTable"

MyRoute:

Type: AWS::EC2::Route

Properties:

RouteTableId: !Ref MyRouteTable

DestinationCidrBlock: 0.0.0.0/0

GatewayId: !Ref MyInternetGateway

MySubnetRouteTableAssociation:

Type: AWS::EC2::SubnetRouteTableAssociation

Properties:

SubnetId: !Ref MyPublicSubnet

RouteTableId: !Ref MyRouteTable

MyEC2Instance:

Type: AWS::EC2::Instance

Properties:

InstanceType: t2.micro

ImageId: ami-0c55b159cbfafe1fe # Amazon Linux 2 AMI (replace with the latest Amazon Linux AMI ID for your region)

SubnetId: !Ref MyPublicSubnet

Tags:

- Key: Name

Value: "CFinstance"

Outputs:

InstanceId:

Description: "The Instance ID of the created EC2 instance"

Value: !Ref MyEC2Instance