Template for Fn::Select example

1. Resources:
2. MyEC2Instance:
3. Type: AWS::EC2::Instance
4. Properties:
5. ImageId: ami-1234567890
6. InstanceType: !Select [0, [ "t2.micro", "r5.4xlarge ]]

Template for Fn::GetAtt example

1. Resources:
2. MyEC2Instance:
3. Type: AWS::EC2::Instance
4. Properties:
5. ImageId: ami-1234567890
6. InstanceType: t2.micro
7. Outputs:
8. EC2InstancePublicIP:
9. Value: !GetAtt MyEC2Instance.PublicIp

Template for Fn::Length example

1. Resources:
2. MyResource:
3. Type: AWS::SomeResourceType
4. Properties:
5. Count: !Fn::Length
6. - ["apple", "banana", "orange"]

Template for FnToJsonString:: example

1. Transform: 'AWS::LanguageExtensions'
2. Resources:
3. MyBucket:
4. Type: AWS::S3::Bucket
5. Properties:
6. BucketName: !Sub "my-bucket123"
7. Outputs:
8. JsonOutput:
9. Value:
10. Fn::ToJsonString:
11. key1: hello
12. key2: !Ref MyBucket

Template for Fn::Base64 example

1. Resources:
2. MyEC2Instance:
3. Type: AWS::EC2::Instance
4. Properties:
5. ImageId: ami-12345678   *# Specify your desired AMI ID*
6. InstanceType: t2.micro  *# Specify your desired instance type*
7. UserData:
8. Fn::Base64: !Sub |
9. #!/bin/bash
10. echo "Hello!" >> /home/ec2-user/user-data-output.txt

Template for Fn::Cidr example

1. Resources:
2. MyVPC:
3. Type: AWS::EC2::VPC
4. Properties:
5. CidrBlock: "10.0.0.0/16"
6. MySubnets:
7. Type: AWS::EC2::Subnet
8. Properties:
9. VpcId: !Ref MyVPC
10. CidrBlock: !Select [0, !Fn::Cidr [!Ref MyVPC, 3, 8]]   # Generate three subnets with /8 CIDR blocks

Template for Pseudo Parameter

* + AWSTemplateFormatVersion: '2010-09-09'
  + Resources:
  + EC2Instance:
  + Type: AWS::EC2::Instance
  + Properties:
  + InstanceType: t2.micro
  + ImageId: ami-0c101f26f147fa7fd
  + # AMI for us-east-1 region
  + Tags:
  + - Key: AccountID
  + Value: !Sub "${AWS::AccountId}"

Template for Pseudo Parameter

* + AWSTemplateFormatVersion: 2010-09-09
  + Description: >
  + CF template with instance sizing based on the AWS region.
  + Parameters:
  + AMIId:
  + Type: 'AWS::EC2::Image::Id'
  + Description: Enter the ID of the AMI to for the EC2 instance.
  + Conditions:
  + IsUSEast1: !Equals
  + - !Ref 'AWS::Region'
  + - us-east-1
  + Resources:
  + MyEC2Instance:
  + Type: 'AWS::EC2::Instance'
  + Properties:
  + InstanceType: !If
  + - IsUSEast1
  + - t2.micro
  + - t2.small
  + ImageId: !Ref AMIId