Template for macro declaration.

1. AWSTemplateFormatVersion: '2010-09-09'
2. Resources:
3. MyMacroFunctionRole:
4. Type: AWS::IAM::Role
5. Properties:
6. AssumeRolePolicyDocument:
7. Version: '2012-10-17'
8. Statement:
9. - Effect: Allow
10. Principal:
11. Service: lambda.amazonaws.com
12. Action: sts:AssumeRole
13. Policies:
14. - PolicyName: LambdaExecutionPolicy
15. PolicyDocument:
16. Version: '2012-10-17'
17. Statement:
18. - Effect: Allow
19. Action:
20. - logs:CreateLogGroup
21. - logs:CreateLogStream
22. - logs:PutLogEvents
23. - s3:GetObject
24. Resource: '\*'
25. MyMacroFunction:
26. Type: AWS::Lambda::Function
27. Properties:
28. Handler: index.handler
29. Role: !GetAtt MyMacroFunctionRole.Arn
30. Code:
31. S3Bucket: my-bucket
32. S3Key: lambda.zip
33. Runtime: nodejs14.x
34. MyMacro:
35. Type: AWS::CloudFormation::Macro
36. Properties:
37. Name: MyMacro
38. Description: A custom macro for transformation
39. FunctionName: !GetAtt MyMacroFunction.Arn

Transform Example

1. AWSTemplateFormatVersion: '2010-09-09'
2. Parameters:
3. InputString:
4. Type: String
5. Default: "Hello, world!"
6. Resources:
7. S3Bucket:
8. Type: "AWS::S3::Bucket"
9. Properties:
10. Tags:
11. - Key: "UpperCaseTag"
12. Value:
13. 'Fn::Transform':
14. - Name: 'StringMacro'
15. Parameters:
16. InputString: !Ref InputString
17. Operation: Upper

Transform AWS::Include Example

1. AWSTemplateFormatVersion: 2010-09-09
2. Transform:
3. Name: 'AWS::Include'
4. Parameters:
5. Location: 's3://myexamplecf/ec2-snippet.yaml'

Snippet

1. Resources:
2. EC2Instance:
3. Type: AWS::EC2::Instance
4. Properties:
5. InstanceType: t2.micro
6. ImageId: ami-0f403e3180720dd7e
7. KeyName: mynewkey
8. SecurityGroupIds:
9. – sg 075b58dd04ac73731
10. SubnetId: subnet-4590de7a