AWSTemplateFormatVersion: '2010-09-09'

Description: Create an S3 bucket with versioning enabled, SNS notifications, a FIFO SQS queue, and SES email configuration

Parameters:

UserName:

Type: String

Description: "Your name to be included in the S3 bucket name"

Email:

Type: String

Description: "Email address to receive SNS notifications and SES test emails"

Resources:

MySNSTopic:

Type: AWS::SNS::Topic

Properties:

DisplayName: "S3 Bucket Creation Notifications"

MySNSTopicSubscription:

Type: AWS::SNS::Subscription

Properties:

Endpoint: !Ref Email

Protocol: email

TopicArn: !Ref MySNSTopic

S3Bucket:

Type: AWS::S3::Bucket

Properties:

BucketName: !Sub "Intellipaat-${UserName}"

VersioningConfiguration:

Status: Enabled

FIFOQueue:

Type: AWS::SQS::Queue

Properties:

QueueName: !Sub "MyFIFOQueue-${UserName}.fifo"

FifoQueue: true

ContentBasedDeduplication: true

SESVerifiedEmail:

Type: AWS::SES::EmailIdentity

Properties:

EmailIdentity: !Ref Email

TestEmailSending:

Type: AWS::SES::Template

Properties:

TemplateName: "TestEmailTemplate"

SubjectPart: "Test Email from SES"

HtmlPart: !Sub "<html><body><h1>Hello from AWS SES!</h1><p>This is a test email sent to you at ${Email}.</p></body></html>"

TextPart: !Sub "Hello from AWS SES! This is a test email sent to you at ${Email}."

Outputs:

BucketName:

Description: "The name of the created S3 bucket"

Value: !Ref S3Bucket

SNSTopic:

Description: "SNS Topic ARN for notifications"

Value: !Ref MySNSTopic

FIFOQueueURL:

Description: "URL of the created FIFO SQS queue"

Value: !Ref FIFOQueue