AWSTemplateFormatVersion: '2010-09-09'

Description: Create an S3 bucket with versioning enabled and SNS notifications

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"

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

Notification:

Type: AWS::SNS::Topic

Properties:

TopicName: "S3BucketNotifications"

S3BucketPolicy:

Type: AWS::S3::BucketPolicy

Properties:

Bucket: !Ref S3Bucket

PolicyDocument:

Version: '2012-10-17'

Statement:

- Effect: Allow

Principal: "\*"

Action: "s3:PutObject"

Resource: !Sub "${S3Bucket.Arn}/\*"

Condition:

StringEquals:

aws:SourceArn: !Ref MySNSTopic

Outputs:

BucketName:

Description: "The name of the created S3 bucket"

Value: !Ref S3Bucket

SNSTopic:

Description: "SNS Topic ARN for notifications"

Value: !Ref MySNSTopic