

VERZEO

Major Project

- **Project Name:**
Amazon Web Services August Major Project
- **Project Description:**

Challenge

Create an AWS Lambda function to count the number of words in a text file. The general requirements are as follows:

Use any text file.

Use the AWS Management Console to develop a Lambda function in Python and to create its required resources.

Report the word count in an email using an Amazon Simple Notification Service (SNS) topic. Optionally, also send the result in an SMS (text) message.

Format the response message as follows:

The Word count in the file <textFileName> is nnn.

Replace textFileName with the name of the file.

Specify the email subject line as: Word Count Result

Automatically trigger the function when the text file is uploaded to an Amazon S3 bucket.

Test the function by uploading several text files with different word counts to the S3 bucket.

Hints

Make sure to create all of your resources in the same region.

You will need an AWS Identity and Access Management (IAM) role for the Lambda function to access other AWS services.

LambdaAccessRole role provides the following permissions:

AWSLambdaBasicExecutionRole

AmazonSNSFullAccess

AmazonS3FullAccess

CloudWatchFullAccess