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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 262 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 262

Topic #: 1

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You need to extract text from audio files by using the Speech-to-Text API. The audio files are pushed to a Cloud Storage bucket. You need to implement a fully managed, serverless compute solution that requires authentication and aligns with Google-recommended practices. You want to automate the call to the API by submitting each file to the API as the audio file arrives in the bucket. What should you do?

- A. Create an App Engine standard environment triggered by Cloud Storage bucket events to submit the file URI to the Google Speech-to-Text API.
- B. Run a Kubernetes job to scan the bucket regularly for incoming files, and call the Speech-to-Text API for each unprocessed file.
- C. Run a Python script by using a Linux cron job in Compute Engine to scan the bucket regularly for incoming files, and call the Speech-to-Text API for each unprocessed file.
- D. Create a Cloud Function triggered by Cloud Storage bucket events to submit the file URI to the Google Speech-to-Text API.

[Show Suggested Answer](#)

by [shiowbah](#) at Dec. 30, 2023, 6:58 a.m.

Comments

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  **LaCubanita** 1 week ago

Why not App Engine? since it's also serverless.

   upvoted 1 times

  **yomi95** 1 week, 4 days ago

Selected Answer: D

Reasons-

Serverless: Cloud Functions provide a serverless environment, eliminating the need for managing infrastructure.

Triggered by Cloud Storage events: The Cloud Function can be triggered automatically as new audio files are added to the bucket, automating the process of submitting them to the API.

Authentication: Cloud Functions can use service accounts to authenticate with the Speech-to-Text API, ensuring secure access.

Fully managed: Cloud Functions handle the execution environment, scaling, and other operational aspects, reducing your management overhead.

Google-recommended practices: Using Cloud Functions and Cloud Storage aligns with Google's recommended practices for building serverless applications.



   upvoted 2 times

  **pzacariasf7** 7 months ago

Selected Answer: D

D, as PiperMe said.



   upvoted 1 times

  **PiperMe** 7 months, 2 weeks ago

Selected Answer: D

- Cloud Functions is serverless
- It can be directly triggered by Cloud Storage events
- Can integrate with the Speech-to-Text API

   upvoted 3 times

  **KelvinToo** 9 months, 3 weeks ago

Selected Answer: D

Per ChatGPT, Option D provides a serverless, scalable, and fully managed solution that aligns with Google-recommended practices for automating the extraction of text from audio files using the Speech-to-Text API in response to Cloud Storage bucket events.

   upvoted 3 times

  **shiowbah** 9 months, 3 weeks ago

D. Create a Cloud Function triggered by Cloud Storage bucket events to submit the file URI to the Google Speech-to-Text API.

   upvoted 4 times

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