



- Expert Verified, Online, *Free*.

MENU

Google Discussions



### *Exam Associate Cloud Engineer All Questions*

*View all questions & answers for the Associate Cloud Engineer exam*

*Go to Exam*

## EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 153 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 153

Topic #: 1

[\[All Associate Cloud Engineer Questions\]](#)

You have created a code snippet that should be triggered whenever a new file is uploaded to a Cloud Storage bucket. You want to deploy this code snippet. What should you do?

- A. Use App Engine and configure Cloud Scheduler to trigger the application using Pub/Sub.
- B. Use Cloud Functions and configure the bucket as a trigger resource.
- C. Use Google Kubernetes Engine and configure a CronJob to trigger the application using Pub/Sub.
- D. Use Dataflow as a batch job, and configure the bucket as a data source.

Show Suggested Answer

by [francisco\\_guerra](#) at Aug. 13, 2020, 2:55 a.m.

### *Comments*

Type your comment...

Submit

ESP\_SAP Highly Voted 4 years, 2 months ago

Correct Answer is (B):

## Google Cloud Storage Triggers

Cloud Functions can respond to change notifications emerging from Google Cloud Storage. These notifications can be configured to trigger in response to various events inside a bucket—object creation, deletion, archiving and metadata updates.

Note: Cloud Functions can only be triggered by Cloud Storage buckets in the same Google Cloud Platform project.

### Event types

Cloud Storage events used by Cloud Functions are based on Cloud Pub/Sub Notifications for Google Cloud Storage and can be configured in a similar way.

Supported trigger type values are:

`google.storage.object.finalize`

`google.storage.object.delete`

`google.storage.object.archive`

`google.storage.object.metadataUpdate`

### Object Finalize

Trigger type value: `google.storage.object.finalize`

This event is sent when a new object is created (or an existing object is overwritten, and a new generation of that object is created) in the bucket.

[https://cloud.google.com/functions/docs/calling/storage#event\\_types](https://cloud.google.com/functions/docs/calling/storage#event_types)

upvoted 42 times

**francisco\_guerra** *Highly Voted* 4 years, 2 months ago

The answer is B

upvoted 19 times

**SSPC** 4 years, 2 months ago

Sure B? Please you could share the link with the Google documentation

upvoted 1 times

**Ale1973** 4 years, 1 month ago

<https://cloud.google.com/functions/docs/calling/storage>

upvoted 3 times

**Cynthia2023** *Most Recent* 9 months, 3 weeks ago

*Selected Answer: B*

Google Cloud Functions supports several types of triggers, allowing you to run your functions in response to various events in the Google Cloud environment or via HTTP requests.

#### 1. HTTP Triggers:

- HTTP triggers allow your Cloud Function to be invoked via standard HTTP requests. These are useful for building APIs, webhooks, and other services that are accessible over the internet or within your internal network.

#### 2. Cloud Pub/Sub Triggers:

- Cloud Functions can be triggered by messages published to Cloud Pub/Sub topics. This is useful for asynchronous event-driven architectures and integrating with systems that publish events to Pub/Sub.

upvoted 1 times

**Cynthia2023** 9 months, 3 weeks ago

#### 3. Cloud Storage Triggers:

- Functions can respond to changes in Google Cloud Storage, such as creating, deleting, or updating objects. This is helpful for processing uploaded files, data backups, and more.

#### 4. Firestore Triggers:

- These triggers allow functions to execute in response to changes in Google Cloud Firestore data, including document creation, updates, and deletions. They are useful for syncing Firestore data with other data stores, or for handling real-time data updates.

#### 5. Firebase Realtime Database Triggers:

- Cloud Functions can be triggered by changes in Firebase Realtime Database. This is similar to Firestore triggers but specific to Firebase's Realtime Database service.

upvoted 1 times

**Cynthia2023** 9 months, 3 weeks ago

#### 6. Firebase Authentication Triggers:

- Functions can react to Firebase Authentication events, such as user creation, deletion, or attribute updates. These triggers are useful for custom user management workflows and integration with external systems.

7. Google Analytics for Firebase Triggers:

- These triggers enable functions to respond to Analytics events collected by Firebase, useful for custom event processing and integrations.

8. Scheduled (Cron) Triggers:

- Cloud Scheduler can be used to trigger functions on a time-based schedule (cron). This is ideal for running batch jobs, regular clean-ups, or other scheduled tasks.

upvoted 1 times

scanner2 1 year, 1 month ago

*Selected Answer: B*

Use "Object finalized" event of the Cloud Storage bucket as trigger for the Cloud Functions.

<https://cloud.google.com/functions/docs/calling/storage>

upvoted 2 times

Captain1212 1 year, 1 month ago

*Selected Answer: B*

B seems the correct option, as we can use the cloud functions as per our requirement for the cloud storage bucket..

upvoted 1 times

Angel\_99 2 years, 2 months ago

*Selected Answer: B*

The answer is B

upvoted 1 times

AzureDP900 2 years, 4 months ago

B is correct, it is required on demand when upload happens

upvoted 1 times

arvsrv 2 years, 9 months ago

*Selected Answer: B*

The answer is B

upvoted 2 times

Surat 2 years, 9 months ago

I vote for B

upvoted 2 times

alaahakim 2 years, 11 months ago

*Selected Answer: B*

Vote For B

upvoted 4 times

vamgcp 3 years ago

Correct Answer is B - Use Cloud Functions and configure the bucket as a trigger resource.

upvoted 2 times

Zimcruza 3 years, 4 months ago

Question asks:

You want to deploy this code snippet. What should you do?

To me, none of the answers is relevant to DEPLOYMENT - they all are about how you get the trigger to run ...

upvoted 1 times

GoCloud 3 years, 7 months ago

vote for B

upvoted 2 times

marialix87 3 years, 7 months ago

I think is B

upvoted 3 times

GCP\_Student1 3 years, 7 months ago

B. Use Cloud Functions and configure the bucket as a trigger resource.

upvoted 3 times

lutoa 3 years, 8 months ago

Answer is B, app engine is for applications, in this case it's just a code snippet which cloud functions is more suitable

upvoted 2 times

victory108 3 years, 8 months ago

B - Use Cloud Functions and configure the bucket as a trigger resource.

upvoted 3 times

[Load full discussion...](#)

*Start Learning for free*

*Social Media*

[Facebook](#) , [Twitter](#)

[YouTube](#) , [Reddit](#)

[Pinterest](#)



We are the biggest and most updated IT certification exam material website.

Using our own resources, we strive to strengthen the IT professionals community for free.



© 2024 ExamTopics

ExamTopics doesn't offer Real Microsoft Exam Questions. ExamTopics doesn't offer Real Amazon Exam Questions. ExamTopics

Materials do not contain actual questions and answers from Google Certification Exams.

Materials do not contain actual questions and answers from Cisco's Certification Exams.

CFA Institute does not endorse, promote or warrant the accuracy or quality of ExamTopics. CFA® and Chartered Financial Analyst® are registered trademarks owned by CFA Institute.