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Exam Professional Data Engineer All Questions

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📄 EXAM PROFESSIONAL DATA ENGINEER TOPIC 1 QUESTION 108 DISCUSSION

Actual exam question from Google's Professional Data Engineer

Question #: 108

Topic #: 1

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You have developed three data processing jobs. One executes a Cloud Dataflow pipeline that transforms data uploaded to Cloud Storage and writes results to BigQuery. The second ingests data from on-premises servers and uploads it to Cloud Storage. The third is a Cloud Dataflow pipeline that gets information from third-party data providers and uploads the information to Cloud Storage. You need to be able to schedule and monitor the execution of these three workflows and manually execute them when needed. What should you do?

- A. Create a Direct Acyclic Graph in Cloud Composer to schedule and monitor the jobs.
- B. Use Stackdriver Monitoring and set up an alert with a Webhook notification to trigger the jobs.
- C. Develop an App Engine application to schedule and request the status of the jobs using GCP API calls.
- D. Set up cron jobs in a Compute Engine instance to schedule and monitor the pipelines using GCP API calls.

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by [Rajokkiyam](#) at March 22, 2020, 6:48 a.m.

Comments

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🗄️ 👤 [Removed] Highly Voted 4 years, 1 month ago

Should be A

👍 ↩️ 🚩 upvoted 36 times

🗄️ 👤 **Rajokkiyam** Highly Voted 4 years, 1 month ago

Create dependency in Cloud Composer and schedule it.

👍 ↩️ 🚩 upvoted 22 times

🗄️ 👤 **MisuLava** 1 year, 6 months ago

the jobs are not interdependent. just 3 individual jobs

👍 ↩️ 🚩 upvoted 1 times

🗄️ 👤 **maxu** Most Recent 6 months, 1 week ago

yes answer A

👍 ↩️ 🚩 upvoted 1 times

🗄️ 👤 **forepick** 11 months, 1 week ago

Selected Answer: A

Cloud Composer. No doubt

👍 ↩️ 🚩 upvoted 1 times

🗄️ 👤 **AzureDP900** 1 year, 4 months ago

A is correct

👍 ↩️ 🚩 upvoted 1 times

🗄️ 👤 **dconesoko** 1 year, 4 months ago

Selected Answer: A

Cloud composer's DAG would manage the dependencies

👍 ↩️ 🚩 upvoted 1 times

🗄️ 👤 **zelick** 1 year, 5 months ago

Selected Answer: A

A is the answer.

<https://cloud.google.com/composer/docs/concepts/overview>

Cloud Composer is a fully managed workflow orchestration service, enabling you to create, schedule, monitor, and manage workflows that span across clouds and on-premises data centers.

👍 ↩️ 🚩 upvoted 2 times

🗄️ 👤 **danielfootc** 1 year, 10 months ago

This should be A

👍 ↩️ 🚩 upvoted 2 times

🗄️ 👤 **medeis_jar** 2 years, 3 months ago

Selected Answer: A

<https://cloud.google.com/composer/docs/how-to/using/writing-dags>

👍 ↩️ 🚩 upvoted 3 times

🗄️ 👤 **MaxNRG** 2 years, 4 months ago

Selected Answer: A

Cloud Composer is a fully managed workflow orchestration service that empowers you to author, schedule, and monitor pipelines that span across clouds and on-premises data centers.

<https://cloud.google.com/composer/?hl=en>

👍 ↩️ 🚩 upvoted 5 times

🗄️ 👤 **kishanu** 2 years, 4 months ago

Selected Answer: A

A

Though the jobs are not dependent, they are data-driven. Refer to the below link:

<https://cloud.google.com/blog/topics/developers-practitioners/choosing-right-orchestrator-google-cloud>

👍 ↩️ 🚩 upvoted 6 times

🗄️ 👤 **MaxNRG** 2 years, 4 months ago

nice article thanks!

👍 ↩️ 🚩 upvoted 1 times



🗄️ 👤 **JG123** 2 years, 5 months ago

Selected Answer: A

Cloud Composer

Cloud Composer

   upvoted 3 times

  **JG123** 2 years, 5 months ago

Correct: A

   upvoted 3 times

  **sandipk91** 2 years, 8 months ago

should be option A

   upvoted 5 times

  **sumanshu** 2 years, 10 months ago



Vote for A

   upvoted 4 times

  **someshsehgal** 3 years, 2 months ago

CORrect A: Couldn't understand why a option with no connection with actual problem has been given as correct option (D)

   upvoted 3 times

  **arghya13** 3 years, 5 months ago

I'll go for A

   upvoted 2 times

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