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EXAM PROFESSIONAL DATA ENGINEER TOPIC 1 QUESTION 219 DISCUSSION

Actual exam question from Google's Professional Data Engineer

Question #: 219

Topic #: 1

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You orchestrate ETL pipelines by using Cloud Composer. One of the tasks in the Apache Airflow directed acyclic graph (DAG) relies on a third-party service. You want to be notified when the task does not succeed. What should you do?

- A. Assign a function with notification logic to the `on_retry_callback` parameter for the operator responsible for the task at risk.
- B. Configure a Cloud Monitoring alert on the `sla_missed` metric associated with the task at risk to trigger a notification.
- C. Assign a function with notification logic to the `on_failure_callback` parameter for the operator responsible for the task at risk.
- D. Assign a function with notification logic to the `sla_miss_callback` parameter for the operator responsible for the task at risk.

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by [e70ea9e](#) at Dec. 30, 2023, 9:44 a.m.

Comments

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🗄️ 👤 **jonty4gcp** 8 months, 3 weeks ago
What is Task is long-running and in between stuck?
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🗄️ 👤 **Anudeep58** 11 months, 2 weeks ago
Selected Answer: C
<https://airflow.apache.org/docs/apache-airflow/stable/administration-and-deployment/logging-monitoring/callbacks.html>
👍 ↩️ 🚩 upvoted 2 times

🗄️ 👤 **JyoGCP** 1 year, 2 months ago
Selected Answer: C
on_failure_callback
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🗄️ 👤 **datapassionate** 1 year, 3 months ago
Selected Answer: C
on_failure_callback is invoked when the task fails
<https://airflow.apache.org/docs/apache-airflow/stable/administration-and-deployment/logging-monitoring/callbacks.html>
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🗄️ 👤 **Matt_108** 1 year, 3 months ago
Selected Answer: C
Option C to me
👍 ↩️ 🚩 upvoted 1 times

🗄️ 👤 **raaad** 1 year, 4 months ago
Selected Answer: C
- The on_failure_callback is a function that gets called when a task fails.
- Assigning a function with notification logic to this parameter is a direct way to handle task failures.
- When the task fails, this function can trigger a notification, making it an appropriate solution for the need to be alerted on task failures.
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🗄️ 👤 **e70ea9e** 1 year, 4 months ago
Selected Answer: C
Direct Trigger:

The on_failure_callback parameter is specifically designed to invoke a function when a task fails, ensuring immediate notification.
Customizable Logic:

You can tailor the notification function to send emails, create alerts, or integrate with other notification systems, providing flexibility.
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