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Exam Professional Data Engineer All Questions

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EXAM PROFESSIONAL DATA ENGINEER TOPIC 1 QUESTION 163 DISCUSSION

Actual exam question from Google's Professional Data Engineer

Question #: 163

Topic #: 1

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You have data pipelines running on BigQuery, Dataflow, and Dataproc. You need to perform health checks and monitor their behavior, and then notify the team managing the pipelines if they fail. You also need to be able to work across multiple projects. Your preference is to use managed products or features of the platform. What should you do?

- A. Export the information to Cloud Monitoring, and set up an Alerting policy
- B. Run a Virtual Machine in Compute Engine with Airflow, and export the information to Cloud Monitoring
- C. Export the logs to BigQuery, and set up App Engine to read that information and send emails if you find a failure in the logs
- D. Develop an App Engine application to consume logs using GCP API calls, and send emails if you find a failure in the logs

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by [PhuocT](#) at Sept. 2, 2022, 6:03 p.m.

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John_Pongthorn [Highly Voted](#) 2 years, 7 months ago

Selected Answer: A

A . Your preference is to use managed products or features of the platform

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

Selected Answer: A

A

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🗄️ 👤 **barnac1es** 1 year, 7 months ago

Selected Answer: A

Cloud Monitoring (formerly known as Stackdriver) is a fully managed monitoring service provided by GCP, which can collect metrics, logs, and other telemetry data from various GCP services, including BigQuery, Dataflow, and Dataproc.

Alerting Policies: Cloud Monitoring allows you to define alerting policies based on specific conditions or thresholds, such as pipeline failures, latency spikes, or other custom metrics. When these conditions are met, Cloud Monitoring can trigger notifications (e.g., emails) to alert the team managing the pipelines.

Cross-Project Monitoring: Cloud Monitoring supports monitoring resources across multiple GCP projects, making it suitable for your requirement to monitor pipelines in multiple projects.

Managed Solution: Cloud Monitoring is a managed service, reducing the operational overhead compared to running your own virtual machine instances or building custom solutions.

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🗄️ 👤 **sergiomujica** 1 year, 7 months ago

Selected Answer: A

use managed products

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🗄️ 👤 **whorillo** 2 years, 2 months ago

Selected Answer: A

Should be A

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🗄️ 👤 **pluiedust** 2 years, 8 months ago

Selected Answer: A

Should be A

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🗄️ 👤 **AWSandeep** 2 years, 8 months ago

Selected Answer: A

A. Export the information to Cloud Monitoring, and set up an Alerting policy

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🗄️ 👤 **PhuocT** 2 years, 8 months ago

Selected Answer: A

Should be A

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