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## **Exam Professional Machine Learning Engineer All Questions**

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# **EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 284 DISCUSSI...**

Actual exam question from Google's Professional Machine Learning Engineer

Question #: 284

Topic #: 1

[All Professional Machine Learning Engineer Questions]

You have a custom job that runs on Vertex AI on a weekly basis. The job is implemented using a proprietary ML workflow that produces the datasets, models, and custom artifacts, and sends them to a Cloud Storage bucket. Many different versions of the datasets and models were created. Due to compliance requirements, your company needs to track which model was used for making a particular prediction, and needs access to the artifacts for each model. How should you configure your workflows to meet these requirements?

- A. Use the Vertex AI Metadata API inside the custom job to create context, execution, and artifacts for each model, and use events to link them together.
- B. Create a Vertex AI experiment, and enable autologging inside the custom job.
- C. Configure a TensorFlow Extended (TFX) ML Metadata database, and use the ML Metadata API.
- D. Register each model in Vertex AI Model Registry, and use model labels to store the related dataset and model information.

**Show Suggested Answer** 

by a guilhermebutzke at Feb. 19, 2024, 3:41 p.m.

# Comments

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😑 🏝 omermahgoub 6 months, 3 weeks ago

### Selected Answer: A

Track Lineage with Vertex AI Metadata API

- upvoted 3 times
- emsherff 6 months, 4 weeks ago

### Selected Answer: A

A - Vertex Al Metadata API provides low-level primitives for creating custom metadata entities and relationships (contexts, executions, artifacts, and events).

B - Autologging might not capture all the custom artifacts your job produces.

- upvoted 2 times
- 🖃 🏜 guilhermebutzke 8 months, 2 weeks ago

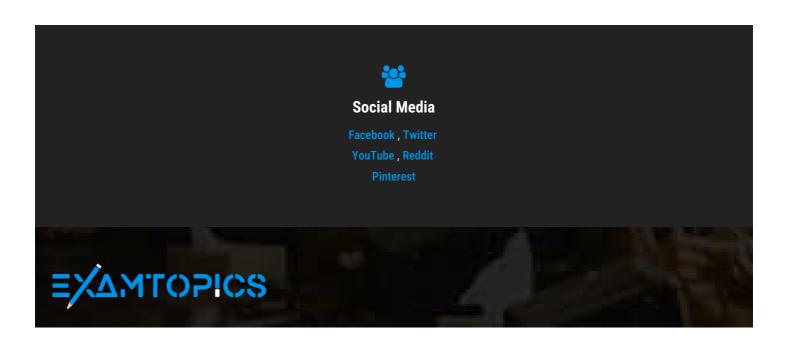
### Selected Answer: A

My Answer: A

Focus on "Due to compliance requirements, your company needs to track which model was used for making a particular prediction" and "workflow that produces the datasets, models, and custom artifacts, and sends them to a Cloud Storage bucket", use Vertex AI Metadata API is the best approach.

- upvoted 4 times
- pinimichele01 6 months, 3 weeks ago where you find the question? do you pass the exam?
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