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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

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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 [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 AI 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?

   upvoted 1 times

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