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### Exam Professional Machine Learning Engineer All Questions

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## EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 66 DISCUSSIO..

Actual exam question from Google's Professional Machine Learning Engineer

Question #: 66

Topic #: 1

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Your data science team is training a PyTorch model for image classification based on a pre-trained ResNet model. You need to perform hyperparameter tuning to optimize for several parameters. What should you do?

- A. Convert the model to a Keras model, and run a Keras Tuner job.
- B. Run a hyperparameter tuning job on AI Platform using custom containers.
- C. Create a Kuberflow Pipelines instance, and run a hyperparameter tuning job on Katib.
- D. Convert the model to a TensorFlow model, and run a hyperparameter tuning job on AI Platform.

Show Suggested Answer

by Vedjha at Dec. 8, 2022, 12:11 p.m.

### Comments

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**OzoneReloaded** Highly Voted 1 year, 11 months ago

Selected Answer: B

B because Vertex AI supports custom models hyperparameter tuning

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📄 👤 **PhilipKoku** Most Recent 5 months ago

Selected Answer: B

B) Customer containers

👍 🔄 🚩 upvoted 1 times

📄 👤 **M25** 1 year, 6 months ago

Selected Answer: B

Went with B

👍 🔄 🚩 upvoted 1 times

📄 👤 **John\_Pongthorn** 1 year, 8 months ago

Selected Answer: B

This is a question sourced from google blog  
pre-trained BERT model

<https://cloud.google.com/blog/topics/developers-practitioners/pytorch-google-cloud-how-train-and-tune-pytorch-models-vertex-ai>

<https://cloud.google.com/blog/topics/developers-practitioners/pytorch-google-cloud-how-deploy-pytorch-models-vertex-ai>

👍 🔄 🚩 upvoted 1 times

📄 👤 **John\_Pongthorn** 1 year, 9 months ago

Selected Answer: B

C:

Don't waste your time to convert to other framework, you can use it on custom container absolutely.

<https://cloud.google.com/blog/topics/developers-practitioners/pytorch-google-cloud-how-train-and-tune-pytorch-models-vertex-ai>

👍 🔄 🚩 upvoted 4 times

📄 👤 **John\_Pongthorn** 1 year, 9 months ago

I insist on B, At the present, it seem like we can use prebuilt container instead of custom container, but none of the 4 choice, so B is the most likely way out of this question.

👍 🔄 🚩 upvoted 3 times

📄 👤 **wish0035** 1 year, 10 months ago

Selected Answer: B

ans: B

A, D => too much work.

C => not sure why you would complicate so much when Vertex AI has this feature in custom containers.

👍 🔄 🚩 upvoted 4 times

📄 👤 **Vedjha** 1 year, 11 months ago

C seems to correct- <https://www.kubeflow.org/docs/components/katib/overview/>

👍 🔄 🚩 upvoted 1 times

📄 👤 **LearnSodas** 1 year, 11 months ago

Why use a thrid-party tool when Vertex AI already let you tuning hyperparameters in custom containers? I think it's B

👍 🔄 🚩 upvoted 5 times



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