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

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# **EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 125 DISCUSSI...**

Actual exam question from Google's Professional Machine Learning Engineer

Question #: 125

Topic #: 1

[All Professional Machine Learning Engineer Questions]

You manage a team of data scientists who use a cloud-based backend system to submit training jobs. This system has become very difficult to administer, and you want to use a managed service instead. The data scientists you work with use many different frameworks, including Keras, PyTorch, theano, scikit-learn, and custom libraries. What should you do?

- A. Use the Vertex AI Training to submit training jobs using any framework.
- B. Configure Kubeflow to run on Google Kubernetes Engine and submit training jobs through TFJob.
- C. Create a library of VM images on Compute Engine, and publish these images on a centralized repository.
- D. Set up Slurm workload manager to receive jobs that can be scheduled to run on your cloud infrastructure.

**Show Suggested Answer** 

by Amymy9418 at Dec. 18, 2022, 3:17 a.m.

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O

### Selected Answer: A

Managed Service: It eliminates the need to administer a complex backend system, reducing your team's workload. Framework Agnostic: Vertex AI Training supports various frameworks like Keras, PyTorch, scikit-learn, and custom libraries, aligning with your data scientists' needs.

upvoted 3 times

## 🗖 🏜 fitri001 6 months, 2 weeks ago

- B. Kubeflow on GKE with TFJob: While Kubeflow offers framework flexibility, setting it up and managing it on Google Kubernetes Engine (GKE) adds complexity compared to a fully managed service like Vertex AI Training.
- C. VM Image Library: Creating and maintaining a library of VM images for every framework is cumbersome and doesn't scale well for various frameworks and custom libraries.
- D. Slurm Workload Manager: Slurm is a workload manager, not a training service.

It wouldn't directly address the need for framework-agnostic training job submission.

upvoted 2 times

🖃 🏜 AntoGrd 8 months, 2 weeks ago

#### Selected Answer: A

Answer A

upvoted 2 times

🗖 🚨 SamuelTsch 1 year, 4 months ago

#### Selected Answer: A

replicated #5

upvoted 2 times

🖃 🏜 Voyager2 1 year, 5 months ago

Went with A. Use the Vertex AI Training to submit training jobs using any framework. As the request states managed service I will discard Compute Engine and Kubernetes. I discarded D since Google is not in the picture

upvoted 2 times

■ Land Tenne T

### Selected Answer: A

Answer A

upvoted 1 times

🖃 🏜 hiromi 1 year, 10 months ago

### Selected Answer: A

A (similar question 5)

upvoted 3 times

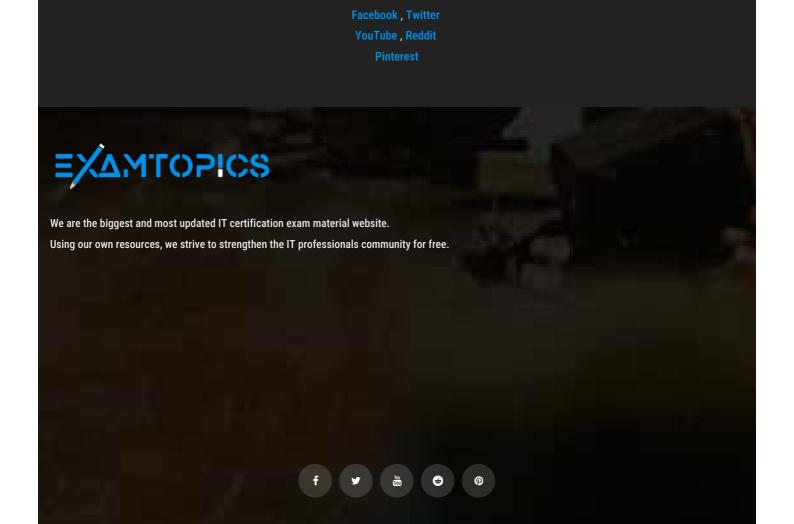
🖃 🏜 mymy9418 1 year, 10 months ago

### Selected Answer: A

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