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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

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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 [mymy9418](#) at Dec. 18, 2022, 3:17 a.m.

### Comments

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[fitri001](#) 6 months, 2 weeks ago

**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

  **TNT87** 1 year, 8 months ago

**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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