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EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 81 DISCUSSIO..

Actual exam question from Google's Professional Machine Learning Engineer
Question #: 81
Topic #: 1
[All Professional Machine Learning Engineer Questions]

Your data science team has requested a system that supports scheduled model retraining, Docker containers, and a service that supports autoscaling and monitoring for online prediction requests. Which platform components should you choose for this system?

A. Vertex AI Pipelines and App Engine

B. Vertex AI Pipelines, Vertex AI Prediction, and Vertex AI Model Monitoring

C. Cloud Composer, BigQuery ML, and Vertex AI Prediction

D. Cloud Composer, Vertex AI Training with custom containers, and App Engine

Show Suggested Answer

by LearnSodas at *Dec. 11, 2022, 5:20 p.m.*

Comments

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John_Pongthorn Highly Voted 1 year, 8 months ago

Selected Answer: B

The Cloud Compose may be good consideration if you are involved in getting Google Data Engineer Cert
App enging is relevant to Dev-Op Cert

Pls.
if you know a bit about ML Google Cloud, we are preparing to take Google ML Cert, if there is no specifically particular requirement in the question.
We must emphasize on use of Vertext AI as much as possible.

upvoted 7 times

PhilipKoku Most Recent 4 months, 2 weeks ago

Selected Answer: B

B) Vertex AI Pipelines

upvoted 1 times

rosenr0 1 year, 4 months ago

B. Vertext AI also supports Docker container
https://cloud.google.com/vertex-ai/docs/training/containers-overview

upvoted 2 times

CloudKida 1 year, 5 months ago

Selected Answer: D

A custom container is a Docker image that you create to run your training application. By running your machine learning (ML) training job in a custom container, you can use ML frameworks, non-ML dependencies, libraries, and binaries that are not otherwise supported on Vertex AI. so we need vertex ai custom container for docker container. Thus option A and B are omitted .
App Engine allows developers to focus on what they do best: writing code. Based on Compute Engine, the App Engine flexible environment automatically scales your app up and down while also balancing the load.
Customizable infrastructure - App Engine flexible environment instances are Compute Engine virtual machines, which means that you can take advantage of custom libraries, use SSH for debugging, and deploy your own Docker containers.

upvoted 2 times

M25 1 year, 5 months ago

Selected Answer: B

Went with B

upvoted 2 times

e707 1 year, 5 months ago

Selected Answer: D

I think it's D. B does not support Docker containers, does it?

upvoted 1 times

e707 1 year, 5 months ago

I can't change the voting but It's B.

upvoted 2 times

Sas02 1 year, 6 months ago

Shouldn't it be A?
https://cloud.google.com/appengine/docs/standard/scheduling-jobs-with-cron-yaml

upvoted 1 times

behzadsw 1 year, 9 months ago

Selected Answer: B

Vote for B

upvoted 1 times

hiromi 1 year, 10 months ago

Selected Answer: B

Vote for B

upvoted 3 times

mil_spyro 1 year, 10 months ago

Selected Answer: D

D is the only option that provides scheduled model retraining

upvoted 1 times

ares81 1 year, 10 months ago

Selected Answer: C

Serve Vertex AI Prediction, but the monitoring in the question is not the one of the answer B (that is connected to the

Serve Vertex AI Prediction, but the monitoring in the question is not the one of the answer B. (that is connected to the modeol). The correct answer is C.

upvoted 1 times

ares81 1 year, 9 months ago

I changed my mind. It's D.

upvoted 1 times

LearnSodas 1 year, 10 months ago

Selected Answer: B

Everything is possible on Vetex AI

upvoted 3 times

mil_spyro 1 year, 10 months ago

Scheduling is not possible without the Cloud Scheduler
https://cloud.google.com/vertex-ai/docs/pipelines/schedule-cloud-scheduler

upvoted 1 times

hiromi 1 year, 10 months ago

I think Vertex AI Pipeline includes schedule/trigger runs, so my vote is B

upvoted 2 times

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