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Exam Professional Machine Learning Engineer All Questions

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EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 271 DISCUSSI...

Actual exam question from Google's Professional Machine Learning Engineer

Question #: 271

Topic #: 1

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You recently created a new Google Cloud project. After testing that you can submit a Vertex AI Pipeline job from the Cloud Shell, you want to use a Vertex AI Workbench user-managed notebook instance to run your code from that instance. You created the instance and ran the code but this time the job fails with an insufficient permissions error. What should you do?

- A. Ensure that the Workbench instance that you created is in the same region of the Vertex AI Pipelines resources you will use.
- B. Ensure that the Vertex AI Workbench instance is on the same subnetwork of the Vertex AI Pipeline resources that you will use.
- C. Ensure that the Vertex AI Workbench instance is assigned the Identity and Access Management (IAM) Vertex AI User role.
- D. Ensure that the Vertex AI Workbench instance is assigned the Identity and Access Management (IAM) Notebooks Runner role.

Show Suggested Answer

by [pikachu007](#) at Jan. 13, 2024, 4:33 p.m.

Comments

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🗄️ 👤 **bobjr** 5 months ago

Selected Answer: C

The job fails, not the access to notebook

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🗄️ 👤 **fitri001** 6 months, 3 weeks ago

Selected Answer: C

Vertex AI has its own set of specific roles that control access to resources within the Vertex AI platform itself, such as datasets, models, and endpoints. The Vertex AI Notebook Runner falls under this category

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🗄️ 👤 **omermahgoub** 6 months, 3 weeks ago

Selected Answer: C

The insufficient permissions error suggests your instance lacks the required authorization to access Vertex AI Pipelines resources.

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🗄️ 👤 **Yan_X** 8 months ago

Selected Answer: C

The question is asking 'submit a Vertex AI Pipeline job', so not just simply run notebooks on Vertex AI Workbench. The role required should be 'IAM Vertex AI User role'.

So it is C.

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🗄️ 👤 **daidai75** 9 months, 1 week ago

Selected Answer: D

I have done the test, it is D

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🗄️ 👤 **b1a8fae** 9 months, 2 weeks ago

Selected Answer: C

I decided to change my mind to C after realizing we need the permissions `aiplatform.pipelineJobs`, present in vertex AI user. Not sure if the notebook runner role allows to run notebook from pipeline jobs + its specified that it only is allowed to run scheduled notebooks (no mention of scheduling here anywhere)

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🗄️ 👤 **b1a8fae** 9 months, 2 weeks ago

Selected Answer: D

I say D.

You want to run the code, that's your purpose, and you have insufficient permissions, so all the permissions you need to solve this problem is: being able to run the notebook. Plus, what is a "AI user role"? It is not a predefined role according to the docs: https://cloud.google.com/vertex-ai/docs/workbench/user-managed/iam#iam_roles

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🗄️ 👤 **b1a8fae** 9 months, 2 weeks ago

Apparently "Vertex AI user role" is indeed a thing. I just did not see this link: <https://cloud.google.com/vertex-ai/docs/general/access-control#predefined-roles>. My point remains: not being able to run the code seems to be the inconvenient here.

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🗄️ 👤 **pikachu007** 9 months, 3 weeks ago

Selected Answer: C

A. Region Compatibility: While regional compatibility is important, it's not the primary cause of this permission error.

B. Subnet Matching: Subnet alignment is usually not a requirement for Vertex AI pipeline job submission.

D. Notebooks Runner Role: This role is primarily for executing notebook code, not managing Vertex AI resources.

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