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Exam Professional Data Engineer All Questions

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📄 EXAM PROFESSIONAL DATA ENGINEER TOPIC 1 QUESTION 248 DISCUSSION

Actual exam question from Google's Professional Data Engineer

Question #: 248

Topic #: 1

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dataset.inventory_vm sample records:

Row	id	name	components.name	components.qty
1	vm02781	d-jp-kfk-02-02	vcpu	2
			memory	8
			boot_disk	10
			disk_1	50
2	vm11490	i-jp-kfk-02-07	vcpu	16
			memory	64
			boot_disk	10
			disk_1	200
3	vm18130	i-jp-kfk-02-08	vcpu	8
			memory	8
			boot_disk	10

You have an inventory of VM data stored in the BigQuery table. You want to prepare the data for regular reporting in the most cost-effective way. You need to exclude VM rows with fewer than 8 vCPU in your report. What should you do?

- A. Create a view with a filter to drop rows with fewer than 8 vCPU, and use the UNNEST operator.
- B. Create a materialized view with a filter to drop rows with fewer than 8 vCPU, and use the WITH common table expression.
- C. Create a view with a filter to drop rows with fewer than 8 vCPU, and use the WITH common table expression.
- D. Use Dataflow to batch process and write the result to another BigQuery table.



Show Suggested Answer

by  scaenrui at Jan. 3, 2024, 2:39 p.m.

Comments

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  **raaad**  10 months ago

Selected Answer: A

- The table structure shows that the vCPU data is stored in a nested field within the components column.
- Using the UNNEST operator to flatten the nested field and apply the filter.


   upvoted 6 times

  **hanoverquay**  7 months, 2 weeks ago

Selected Answer: A

option A

   upvoted 1 times

  **JyoGCP** 8 months, 2 weeks ago

Selected Answer: A

Option A - UNNEST

   upvoted 1 times

  **Krauser59** 9 months, 3 weeks ago

Selected Answer: A

A seems to be the correct answer because of the table structure and the UNNEST operator. However, i don't understand why wouldn't we chose a materialized view

   upvoted 4 times

  **Matt_108** 9 months, 3 weeks ago

Selected Answer: A

Option A - The regular reporting doesn't justify a materialized view, since the frequency of access is not so high; a simple view would do the trick. Moreover, the vcpu data is in a nested field and requires Unnest.

   upvoted 4 times

  **scaenrui** 10 months ago

Selected Answer: A

A. Create a view with a filter to drop rows with fewer than 8 vCPU, and use the UNNEST operator.

   upvoted 2 times

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