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EXAM PROFESSIONAL DATA ENGINEER TOPIC 1 QUESTION 4 DISCUSSION

Actual exam question from Google's Professional Data Engineer

Question #: 4

Topic #: 1

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You create an important report for your large team in Google Data Studio 360. The report uses Google BigQuery as its data source. You notice that visualizations are not showing data that is less than 1 hour old. What should you do?

- A. Disable caching by editing the report settings.
- B. Disable caching in BigQuery by editing table details.
- C. Refresh your browser tab showing the visualizations.
- D. Clear your browser history for the past hour then reload the tab showing the virtualizations.

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by [AWSandeep](#) at *Sept. 3, 2022, 6:43 a.m.*

Comments

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Khaled_Rashwan [Highly Voted](#) 2 years, 2 months ago

A. Disable caching by editing the report settings.

By default, Google Data Studio 360 caches data to improve performance and reduce the amount of queries made to the data

source. However, this can cause visualizations to not show data that is less than 1 hour old, as the cached data is not up-to-date.

To resolve this, you should disable caching by editing the report settings. This can be done by following these steps:

Open the report in Google Data Studio 360.

Click on the "File" menu in the top left corner of the screen.

Select "Report settings" from the dropdown menu.

In the "Report settings" window, scroll down to the "Data" section.

Toggle off the "Enable cache" option.

Click the "Save" button to apply the changes.

Disabling caching ensures that the data shown in the visualizations is always up-to-date, but it may increase the query load on the data source and affect the report's performance. Therefore, it's important to consider the trade-off between performance and data accuracy when making this change.

   upvoted 12 times

  **Ahamada** Most Recent 2 months, 1 week ago

Selected Answer: A

By default there's a cache in google data studio (looker studio). So you should disable it

   upvoted 1 times

  **SamuelTsch** 6 months, 2 weeks ago

Selected Answer: A

To ensure that Google Data Studio visualizations show the most recent data, you should disable caching within Data Studio's report settings.

   upvoted 1 times

  **rocky48** 1 year, 6 months ago

Selected Answer: A

A. Disable caching by editing the report settings.

By default, Google Data Studio 360 caches data to improve performance and reduce the amount of queries made to the data source. However, this can cause visualizations to not show data that is less than 1 hour old, as the cached data is not up-to-date.

   upvoted 3 times

  **rtcpost** 1 year, 6 months ago

Selected Answer: A

Disabling caching in the report settings will ensure that the visualizations are not using cached data and will reflect the most up-to-date information from your Google BigQuery data source. This will allow your report to show data that is less than 1 hour old. Caching is often used for performance optimization, but it can result in delays in displaying real-time or near-real-time data, so disabling it is the appropriate action in this case.

   upvoted 1 times

  **Websurfer** 1 year, 9 months ago

Selected Answer: A

disable caching in report setting will get the issue resolved

   upvoted 1 times

  **Morock** 2 years, 2 months ago

Selected Answer: D

The solution from the site is perfect.

   upvoted 1 times

  **PolyMoe** 2 years, 3 months ago

Selected Answer: A

what is relevant here is to uncache Data Studio

   upvoted 1 times

  **samdhimal** 2 years, 3 months ago

A. Disable caching by editing the report settings.

Data Studio 360 uses caching to speed up report loading times. When caching is enabled, Data Studio 360 will only show the data that was present in the data source at the time the report was loaded. To ensure that the visualizations in your report are always up-to-date, you should disable caching by editing the report settings. This will force Data Studio 360 to retrieve the latest data from the data source (in this case BigQuery) every time the report is loaded.

Option B is incorrect as it would only disable caching in BigQuery, but it wouldn't affect the caching in Data Studio 360, so the visualizations would still not show the latest data.

Option C and D will not help as the data is not being updated in Data Studio 360, it's just the cache that needs to be updated.

   upvoted 4 times

  **korntewin** 2 years, 3 months ago

I'm confused, is it possible that the cache is in BigQuery level? and the linker just get the cache from bigquery



   upvoted 1 times

  **ejlp** 2 years, 5 months ago

Selected Answer: A

Based on the doc, you can refresh the report using refresh button on the report, not the browser's refresh button. So the answer is A.

   upvoted 1 times

  **maksi** 2 years, 5 months ago

On my opinion it's C, because Data Studio doesn't support the Real-Time dashboard updates, so it means that if caching will be disabled, user will be forced to update the dashboard manually, otherwise report will be stuck on the data from the last update. According to documentation <https://support.google.com/looker-studio/answer/7020039?hl=en#zippy=%2Cin-this-article>, if we want to keep the data fresh we need to setup caching with minimum value of 15 minutes - it means that data in the report will be updated automatically every 15 minutes, if cache will be disabled completely then the report will be stuck until we will manually update it. So, tbh for me it doesn't make sense to disable cache.

   upvoted 1 times

  **viks1122** 2 years, 6 months ago

C.

Since the data is not always stale. When it is, click on refresh button. Document also says the same

Refresh report data manually

Report editors can refresh the cache at any time:

View or edit the report.

In the top right, click More options. and then click Refresh data .

This refreshes the cache for every data source added to the report.

   upvoted 1 times

  **beowulf_kat** 2 years, 6 months ago

Refreshing the web browser does not refresh the data behind the viz's in Data Studio. You have to click the 'refresh data source' button.

   upvoted 3 times

  **nicholascz** 2 years, 6 months ago

Selected Answer: A



<https://support.google.com/looker-studio/answer/7020039?hl=en#zippy=%2Cin-this-article>

   upvoted 1 times

  **kennyloo** 2 years, 6 months ago

A. should be correct. after disabled the cache, it will retrieve data every time.

   upvoted 1 times

  **max_c** 2 years, 7 months ago

Selected Answer: C

Same question from a Cloud guru and answer was C. The wording is slightly different in the documentation but still, the idea is that you can trigger a manual refresh

   upvoted 3 times

  **Lestrang** 2 years, 3 months ago

The option is to refresh the browser tab not inside data studio itself. incorrect.

   upvoted 1 times

  **AWSandeep** 2 years, 8 months ago

Selected Answer: A

A. Disable caching by editing the report settings.

   upvoted 4 times

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