



DEMO VERSION

Salesforce

Analytics-Con-301 Exam

Salesforce Certified Tableau Consultant

Exam Latest Version: 9.1

Question 1. (Single Select)

A consultant wants to improve the performance of reports by moving calculations to the data layer and materializing them in the extract.

Which calculation should the consultant use?

A: $ZN([Sales]) * (1 - ZN([Discount]))$

B: `CASE [Sector Parameter] WHEN 1 THEN "green" WHEN 2 THEN "yellow"`

C: $SUM([Profit]) / SUM([Sales])$

D: `POWER(ZN(SUM([Sales])) / LOOKUP(ZN(SUM([Sales])), FIRST()), ZN(1 / (INDEX() - 1))) - 1 END`

Correct Answer: C

Explanation:

To improve performance by moving calculations to the data layer and materializing them in the extract, the consultant should choose calculations that benefit from pre-computation and significantly reduce the load during query time:

Aggregation-Level Calculation: The formula $SUM([Profit]) / SUM([Sales])$ calculates a ratio at an aggregate level, which is ideal for pre-computation. Materializing this calculation in the extract means that the complex division operation is done once and stored, rather than being recalculated every time the report is accessed.

Performance Improvement: By pre-computing this aggregate ratio, Tableau can utilize the pre-calculated fields directly in visualizations, which speeds up report loading and interaction times as the heavy lifting of data processing is done during the data preparation stage.

Materialization in Extracts: This concept involves pre-calculating and storing complex aggregations or calculations within the Tableau data extract itself, improving performance by reducing the computational load during visualization rendering.

Question 2. (Multi Select)

A Tableau Cloud client has requested a custom dashboard to help track which data sources are used most frequently in dashboards across their site.

Which two actions should the client use to access the necessary metadata? Choose two.

- A: Connect directly to the Site Content data source within the Admin Insights project.
- B: Query metadata through the GraphiQL engine.
- C: Access metadata through the Metadata API.
- D: Download metadata through Tableau Catalog.

Correct Answer: B, C

Explanation:

To track which data sources are used most frequently across a site in Tableau Cloud, the client should use the GraphiQL engine and the Metadata API. The GraphiQL engine allows for interactive exploration of the metadata, making it easier to construct and test queries¹. The Metadata API provides access to metadata and lineage of external assets used by the content published to Tableau Cloud, which is essential for tracking data source usage².

Question 3. (Single Select)

A client has a published data source in Tableau Server and they want to revert to the previous version of the data source. The solution must minimize the impact

on users.

What should the consultant do to accomplish this task?

- A: Request that a server administrator restore a Tableau Server backup.
- B: Delete and recreate the data source manually.
- C: Select a previous version from Tableau Server, download it, and republish that data source.
- D: Select a previous version from Tableau Server, and then click Restore.

Correct Answer: D

Explanation:

To minimize the impact on users when reverting to a previous version of a published data source in Tableau Server, the consultant should use the built-in revision history feature. By selecting a previous version from the revision history and clicking 'Restore', the data source will revert to that version without the need for a full server backup restoration or manual recreation of the data source. This process is quick and has the least amount of disruption to users.

Question 4. (Multi Select)

A Tableau Cloud client has requested a custom dashboard to help track which data sources are used most frequently in dashboards across their site.

Which two actions should the client use to access the necessary metadata? Choose two.

- A: Connect directly to the Site Content data source within the Admin Insights project.
- B: Query metadata through the GraphiQL engine.
- C: Access metadata through the Metadata API.
- D: Download metadata through Tableau Catalog.

Correct Answer: B, C

Explanation:

To track which data sources are used most frequently across a site in Tableau Cloud, the client should use the GraphiQL engine and the Metadata API. The GraphiQL engine allows for interactive exploration of the metadata, making it easier to construct and test queries¹. The Metadata API provides access to metadata and lineage of external assets used by the content published to Tableau Cloud, which is essential for tracking data source usage².

Question 5. (Single Select)

A client uses Tableau Data Management and notices that when they view a data source, they sometimes see a different count of workbooks in the Connected

Workbooks tab compared to the lineage count in Tableau Catalog.

What is the cause of this discrepancy?

A: Some workbooks have been connected to the data source, but do not use any fields from it.

B: Some workbooks have not been viewed by enough users yet.

C: Some of the workbooks connected to the data source are not visible to the user due to permissions.

D: Some Creators have connected to the data source in Tableau Desktop but have not yet published a workbook.

Correct Answer: C

Explanation:

The discrepancy between the count of workbooks in the Connected Workbooks tab and the lineage count in Tableau Catalog can occur because of user permissions. In Tableau Data Management, the visibility of connected workbooks is subject to the permissions set by administrators. If a user does not have permission to view certain workbooks, they will not see them listed in the Connected Workbooks tab, even though these workbooks are part of the data source's lineage and are counted in Tableau Catalog.

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