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C. Root port choice and spanning tree recalculation are accelerated when a switch link goes down.  
D. After spanning tree converges PortFast shuts down any port that receives BPDUs.

Answer: A

**NEW QUESTION 5**  
When configuring IPv6 on an interface, which two IPv6 multicast groups are joined? (Choose two.)

A. 2000::3  
B. 2002::5  
C. FC00::7  
D. FF02::1  
E. FF02::2

Answer: DE

**NEW QUESTION 6**  
Which type of wireless encryption is used for WPA2 in pre-shared key mode?

A. TKIP with RC4  
B. RC4  
C. AES-128  
D. AES-256

Answer: D

**NEW QUESTION 7**  
A network engineer must back up 20 network router configurations globally within a customer environment. Which protocol allows the engineer to perform this function using the Cisco IOS MIB?

A. CDP  
B. SNMP  
C. SMTP  
D. ARP

Answer: C

**NEW QUESTION 8**  
Which configuration is needed to generate an RSA key for SSH on a router?

A. Configure the version of SSH.  
B. Configure VTY access.  
C. Create a user with a password.  
D. Assign a DNS domain name.

Answer: B

**NEW QUESTION 9**  
A frame that enters a switch fails the Frame Check Sequence. Which two interface counters are incremented? (Choose two.)

A. runts  
B. giants  
C. frame

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Moreover, you do not need an active internet connection to utilize Dumpkiller desktop Salesforce Certified Tableau Consultant practice exam software. It works without the internet after software installation on Windows computers. The Dumpkiller web-based Salesforce Analytics-Con-301 Practice Test requires an active internet and it is compatible with all operating systems.

## Salesforce Analytics-Con-301 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> <li>Data Management: This part focuses on establishing governance and support for published content. Tableau Consultants are expected to manage data security, publish and maintain data sources and workbooks, and oversee content access. It includes applying governance best practices, using metadata APIs, and supporting administration functions to maintain data integrity and accessibility.</li> </ul>

Topic 2	<ul style="list-style-type: none"> <li>• <b>Business Analysis:</b> This section of the exam measures skills of Tableau Consultants focusing on evaluating the current state of analytics within an organization. It covers mapping business needs to Tableau capabilities, translating analytical requirements to best practices in Tableau, and recommending appropriate deployment options like Tableau Server or Tableau Cloud. It also includes evaluating existing data structures for supporting business needs and identifying performance risks and opportunities.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>• <b>IT Management:</b> This domain measures skills related to managing Tableau environments. It includes planning server upgrades, recommending deployment solutions (on-premise or cloud), and ensuring alignment between technical and business requirements for analytics infrastructure. It also involves troubleshooting and optimizing system performance relevant to Tableau Server and Cloud deployments.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>• <b>Business Consulting:</b> For Tableau Consultants, this section involves designing and troubleshooting calculations and workbooks to meet advanced analytical use cases. It covers selecting appropriate chart types, applying Tableau's order of operations in calculations, building interactivity into dashboards, and optimizing workbook performance by resolving resource-intensive queries and other design-related issues.</li> </ul>
Topic 5	<ul style="list-style-type: none"> <li>• <b>Data Visualization:</b> This section evaluates the Tableau Consultant's ability to design effective visual analytics solutions. It involves creating dashboards and visual reports that enhance user understanding, employing techniques like dynamic actions and advanced chart types, and ensuring performance optimization for an interactive user experience.</li> </ul>

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## Salesforce Analytics-Con-301 Overview of the Problems Faced in Preparation Exam Questions

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## Salesforce Certified Tableau Consultant Sample Questions (Q47-Q52):

### NEW QUESTION # 47

A client has a data source that stores a time stamp for each time a user interacts with a product feature. They visualize 3 years of data at the daily level. As adoption has grown over the last 6 months, the dashboard performance has steadily decreased, despite connecting via a data extract that is set to refresh every hour.

A Tableau consultant needs to improve performance of the dashboard with the least impact to the visualization.

Which option meets these requirements without additional cost?

- A. Add extract filters to limit the number of product features visualized.
- B. Invest in an extract, transform, load (ETL) tool to aggregate the data to a daily level.
- C. Decrease the extract refresh to once a day.
- **D. Leverage Tableau Prep to aggregate the data to the daily product level.**

**Answer: D**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The dataset contains timestamps for each individual user interaction. Growth in user adoption over 6 months means the number of rows has expanded significantly. Tableau's performance documentation states that large row-level datasets can cause performance degradation even when using extracts, especially when:

- \* The visualization is aggregated to a higher level (such as daily), and
- \* The underlying extract still contains much more granular data than needed.

Tableau recommends pre-aggregating data before it reaches Tableau Desktop, which reduces extract size, memory use, and query time. This improves performance without changing what the visualization displays.

Option D uses Tableau Prep, which is included with Tableau Creator licensing and therefore incurs no additional cost. Tableau Prep can aggregate raw timestamp data into daily totals per product feature, which matches the visualization's actual granularity. This results in:

- \* A dramatically smaller extract
- \* Faster queries
- \* No change to how the dashboard looks or functions

Option A would remove product features from the visualization, altering the dashboard content and reducing insight, which does not meet the requirement of minimal impact.

Option B requires purchasing an external ETL tool, which violates the requirement of no additional cost.

Option C reduces the number of extract refreshes but does not improve dashboard performance; the data would remain equally granular and equally slow.

Therefore, Tableau Prep aggregation is the correct solution that improves performance while maintaining the same visualization and incurring no additional cost.

- \* Tableau performance guidelines recommending pre-aggregation of highly granular datasets.
- \* Tableau Prep documentation stating it can be used to aggregate data before creation of extracts.
- \* Tableau's extract optimization guidance describing how reducing row counts improves query and visualization performance.

### NEW QUESTION # 48

From the desktop, open the CC workbook.

Open the Incremental worksheet.

You need to add a line to the chart that shows the cumulative percentage of sales contributed by each product to the incremental sales.

From the File menu in Tableau Desktop, click Save.

#### Answer:

Explanation:

See the complete Steps below in Explanation:

Explanation:

To add a line showing the cumulative percentage of sales contributed by each product to the incremental sales in the Incremental worksheet of your Tableau Desktop, follow these detailed steps:

- \* Open the CC Workbook and Access the Worksheet:
- \* From the desktop, double-click on the CC workbook to open it in Tableau Desktop.
- \* Navigate to the Incremental worksheet by clicking on its tab at the bottom of the window.
- \* Calculate Cumulative Sales Percentage:
- \* Create a new calculated field to compute the cumulative percentage of sales. Right-click in the Data pane and select 'Create Calculated Field'.
- \* Name this field "Cumulative Sales Percentage".
- \* Enter the following formula to calculate the running sum of sales as a percentage of the total sales:  
(RUNNING\_SUM(SUM([Sales])) / TOTAL(SUM([Sales])) [Sales]))
- \* Click 'OK' to save the calculated field.
- \* Add the Cumulative Sales Percentage Line to the Chart:
- \* Drag the "Cumulative Sales Percentage" field to the Rows shelf, placing it next to the existing Sales measure.
- \* Ensure that the cumulative line appears as a continuous line. Right-click on the "Cumulative Sales Percentage" field on the Rows shelf, select 'Change Chart Type', and choose 'Line'.
- \* Adjust the axis to synchronize or dual-axis if necessary. Right-click on the axis of the "Cumulative Sales Percentage" and select 'Synchronize Axis' if it's on a dual-axis setup.
- \* Format the Cumulative Sales Percentage Line:
- \* Click on the "Cumulative Sales Percentage" line in the visualization.
- \* Navigate to the 'Format' pane to adjust the line style, thickness, and color to make it distinct from other data in the chart.
- \* Save Your Changes:
- \* From the File menu, click 'Save' to ensure all your changes are stored.

References:

Tableau Help: Provides additional details on creating calculated fields and customizing line charts.

Tableau User Guide: Offers extensive instructions on formatting charts, including line types and axis synchronization.

By following these steps, you will successfully add a cumulative sales percentage line to your chart, enhancing the visualization to reflect the incremental contribution of each product to the overall sales in a dynamic and informative manner.

#### NEW QUESTION # 49

A client wants to see data for only the most recent day in the dataset that is updated intermittently. The solution should offer the best caching performance.

Which approach should the consultant use to produce the desired results?

- A. TODAY function
- B. Relative date filters
- C. Quick filter
- D. Fixed Level of Detail (LOD) date calculation

**Answer: D**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The client wants to always show the most recent day present in the data, not today's date. The dataset is updated intermittently, meaning some days may have no new rows. Tableau documentation states that:

\* Using TODAY() recalculates on every query and prevents effective caching because Tableau must compute the current date for each refresh.

\* Using Relative Date Filters like "Last 1 day" also prevents caching because Tableau evaluates relative conditions each time the workbook loads.

\* Quick Filters also break caching and decrease performance because they require interactive evaluation on each render.

\* A FIXED LOD calculation allows Tableau to compute the maximum date inside the extract, which preserves caching because it is data-driven, not time-driven. For example: { FIXED : MAX([Date]) } Then filtering where [Date] = { FIXED : MAX([Date]) } ensures only the most recent date in the dataset is shown.

Tableau's documentation on performance emphasizes that caching is maximized when calculations depend only on the data itself and not on functions like TODAY() or relative filters.

A FIXED LOD provides the best caching performance and correctly returns the most recent date based on the dataset rather than the current system date.

\* Tableau extract caching behavior describing how data-dependent filters cache better than time-dependent filters.

\* LOD Expressions guidance recommending FIXED for identifying values like "latest date in the dataset."

\* Tableau performance guidelines discouraging TODAY() and relative date filters when caching is important.

#### NEW QUESTION # 50

SIMULATION

Use the following login credentials to sign in to the virtual machine:

Username: Admin

Password:

The following information is for technical support purposes only:

Lab Instance: 40201223

To access Tableau Help, you can open the Help.pdf file on the desktop.

From the desktop, open the **CC** workbook.  
Open the **Categorical Sales** worksheet.

You need to use table calculations to compute the following:

- For each category and year, calculate the average sales by segment.
- Create another calculation to compute the year-over-year percentage change of the average sales by category calculation. Replace the original measure with the year-over-year percentage change in the crosstab.

From the File menu in Tableau Desktop, click **Save**.

From the desktop, open the CC workbook.

Open the Categorical Sales worksheet.

You need to use table calculations to compute the following:

- . For each category and year, calculate the average sales by segment.
- . Create another calculation to compute the year-over-year percentage change of the average sales by category calculation. Replace the original measure with the year-over-year percentage change in the crosstab.

From the File menu in Tableau Desktop, click **Save**.

#### **Answer:**

Explanation:

See the complete Steps below in Explanation

Explanation:

To compute the required calculations and update the worksheet in Tableau Desktop, follow these steps:

Compute Average Sales by Segment for Each Category and Year:

Open the CC workbook and navigate to the Categorical Sales worksheet.

Drag the 'Sales' field to the Rows shelf if it's not already there.

Drag the 'Segment' field to the Rows shelf as well, placing it next to 'Category' and 'Year'.

Right-click on the 'Sales' field in the Rows shelf and select 'Quick Table Calculation' > 'Average'. This will compute the average sales for each segment within each category and year.

Create a Calculation for Year-over-Year Percentage Change:

Right-click in the data pane and select 'Create Calculated Field'.

Name the calculated field something descriptive, e.g., "YoY Sales Change".

Enter the formula to calculate the year-over-year percentage change:

$$(ZN(SUM([Sales])) - LOOKUP(ZN(SUM([Sales])), -1)) / ABS(LOOKUP(ZN(SUM([Sales])), -1))$$
 Click 'OK' to save the calculated field.

Replace the Original Measure with the Year-over-Year Percentage Change in the Crosstab:

Remove the original 'Sales' measure from the view by dragging it off the Rows shelf.  
Drag the newly created "YoY Sales Change" calculated field to the Rows shelf where the 'Sales' field was originally.  
Format the "YoY Sales Change" field to display as a percentage. Right-click on the field in the Rows shelf, select 'Format', and adjust the number format to percentage.  
Save Your Changes:  
From the File menu, click 'Save' to ensure all your changes are stored.  
References:  
Tableau Help: Offers guidance on creating calculated fields and using table calculations.  
Tableau Desktop User Guide: Provides instructions on formatting and saving worksheets.  
These steps allow you to manipulate data within Tableau effectively, using table calculations to analyze trends and changes in sales data by category and segment over years.

### NEW QUESTION # 51

A customer migrated from Tableau Server to Tableau Cloud. However, there is still private network data behind the corporate firewall that Tableau Cloud needs to access securely.  
Which data connection strategy should a Tableau consultant advise with minimal software maintenance by the customer?

- **A. Data Connect**
- B. Direct Connect
- C. Private Connect
- D. Tableau Bridge

**Answer: A**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The question focuses on two key requirements:

- \* Tableau Cloud must access private network data behind a corporate firewall.
- \* The customer wants minimal software maintenance.

To determine the correct answer, each option must be evaluated based on Tableau's official documented behavior.

Why Option A (Tableau Bridge) Is Not the Best Answer

Tableau Bridge is described in Tableau documentation as a self-managed solution used to connect Tableau Cloud to private network/on-premises data.

Key characteristics of Bridge include:

- \* It is installed and maintained by the customer on a machine behind the firewall.
- \* It requires ongoing updates, monitoring, and administration by the customer.

Because the question specifically asks for minimal software maintenance, Bridge does not meet the requirement.

Why Option B (Private Connect) Is Not the Best Answer

Private Connect is a feature allowing Tableau Cloud to connect privately and securely to AWS-hosted cloud data sources using private networking.

However:

- \* It is primarily intended for AWS-based data services (such as Snowflake on AWS, Amazon Redshift, Athena).
- \* The question describes private network data behind a corporate firewall, which usually refers to on-premises data, not cloud-hosted AWS services.
- \* Therefore, Private Connect is not the generally applicable solution for the scenario described.

Why Option C (Direct Connect) Is Incorrect

"Direct Connect" is not an official Tableau Cloud feature for connecting to private network data.

This option can be eliminated immediately.

Why Option D (Data Connect) Is the Correct Answer

Tableau's Data Connect service is documented as:

- \* A solution that provides secure access to private network or on-premises data, similar in purpose to Bridge.
- \* A remotely managed, monitored, and streamlined solution where Tableau manages the underlying Kubernetes cluster.
- \* A service that reduces administrative overhead for the customer by allowing Tableau to handle cluster management, monitoring, and maintenance.

Tableau documentation clearly states:

- \* Data Connect provides access to private network data similar to Bridge.
- \* But unlike Bridge, it is designed to reduce the overhead of administration because Tableau remotely manages and maintains the cluster used to provide connectivity.
- \* It follows a shared responsibility model where the customer provides compute resources, and Tableau manages the software layer-including maintenance and monitoring.

"Minimal software maintenance by the customer."

### References From Tableau Consultant / Study Materials

\* Tableau documentation describing Data Connect as a remotely managed, monitored, and streamlined solution for accessing private network data.

\* Tableau materials comparing Bridge vs. Data Connect, stating that Data Connect reduces administration and enables more scalable private network connectivity.

### NEW QUESTION # 52

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