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**Exam** : **070-768J**

**Title** : **Developing SQL Data  
Models (70-768日本語版)**

**Vendor** : **Microsoft**

**Version** : **DEMO**

**QUESTION NO: 1**

ドラッグアンドドロップの質問

顧客の計算による売上分析を修正するには、SalesAnalysisキューブを構成する必要があります。

順番に実行する必要がある4つのアクションはどれですか？回答するには、適切なアクションをアクションのリストから回答領域に移動し、正しい順序で配置します。

**Actions**

Configure a relationship between the Customer dimension and the Sales measure group. Use Month as the granularity.

Open the dimension editor, and open the Dimension Usage tab.

Configure a relationship between the Customer dimension and the Sales measure group. Use Day as the granularity.

Open the dimension editor for the Customer dimension.

Open the cube editor, and open the Dimension Usage tab.

Reprocess the Product dimension.

Reprocess the cube.

Deploy the project changes.

**Answer Area**

**Answer:**

**Actions**

Configure a relationship between the Customer dimension and the Sales measure group. Use Month as the granularity.

Open the dimension editor, and open the Dimension Usage tab.

Configure a relationship between the Customer dimension and the Sales measure group. Use Day as the granularity.

Open the dimension editor for the Customer dimension.

Open the cube editor, and open the Dimension Usage tab.

Reprocess the Product dimension.

Reprocess the cube.

Deploy the project changes.

**Answer Area**

Open the cube editor, and open the Dimension Usage tab.

Configure a relationship between the Customer dimension and the Sales measure group. Use Day as the granularity.

Reprocess the cube.

Deploy the project changes.

**Explanation:**

Step 1: Open the cube editor, and open the Dimension Usage tab.

Step 2: Configure a relationship between the Customer dimension and the Sales measure group.

Use Day as the granularity.

From scenario: The SalesAnalysis cube contains a fact table named CoffeeSale loaded from a table named FactSale in the data warehouse. The time granularity within the cube is 15 minutes.

The cube is processed every night at 23:00. You determine that the fact table cannot be fully processed in the expected time. Users have reported slow query response times.

Step 3: Reprocess the cube.

Step 4: Deploy the project changes.

**QUESTION NO: 2**

ドラッグアンドドロップの質問

CoffeeSaleファクトテーブル環境を構成する必要があります。

順番に実行する必要がある4つのアクションはどれですか？回答するには、適切なアクションをアクションのリストから回答領域に移動し、正しい順序で配置します。注：回答の選択肢の複数の順序が正しいです。選択した正しい注文のいずれかに対してクレジットを受け取ります。

### Actions

Set the storage mode for the latest partition to ROLAP, and set the storage mode for all other partitions to MOLAP.

Alter the processing job to run every half during the day.

Alter the client application that queries the cube to query the dimensional data warehouse directly for current day data.

Set the storage mode for all partitions to ROLAP.

Test that the cube meets the functional requirement for data currency and query performance.

Partition the CoffeSale fact table.

Set the storage mode for all partitions to HOLAP.

Alter the processing job to ensure that it rearranges the partition structure each evening.

### Answer Area



**Answer:**

**Actions**

Set the storage mode for the latest partition to ROLAP, and set the storage mode for all other partitions to MOLAP.

Alter the processing job to run every half during the day.

Alter the client application that queries the cube to query the dimensional data warehouse directly for current day data.

Set the storage mode for all partitions to ROLAP.

**Answer Area**

Partition the CoffeSale fact table.

Set the storage mode for all partitions to HOLAP.

Alter the processing job to ensure that it rearranges the partition structure each evening.

Test that the cube meets the functional requirement for data currency and query performance.

**Explanation:**

Step 1: Partition the CoffeSale fact table.

Step 2: Set the storage mode for all partitions to HOLAP. Partitions stored as HOLAP are smaller than the equivalent MOLAP partitions because they do not contain source data and respond faster than ROLAP partitions for queries involving summary data.

Step 3: Alter the processing job to ensure that it rearranges the partition structure each evening.

Step 4: Test that the cube meets the functional requirement for data currency and query performance.

From scenario:

Data analysts must be able to analyze sales for financial years, financial quarters, months, and days. Many reports are based on analyzing sales by month.

The SalesAnalysis cube contains a fact table named CoffeeSale loaded from a table named FactSale in the data warehouse. The time granularity within the cube is 15 minutes.

The cube is processed every night at 23:00. You determine that the fact table cannot be fully processed in the expected time. Users have reported slow query response times.

<https://docs.microsoft.com/en-us/sql/analysis-services/multidimensional-models-olap-logical-cube-objects/partitions-partition-storage-modes-and-processing>

**QUESTION NO: 3**

ホットスポットの質問

CustomerAnalysisデータモデルの展開時間を最小限に抑えるために、プロジェクトオプション

ン設定を構成する必要があります。  
 あなたは何をするべきか？回答するには、回答領域の各リストから適切な設定を選択します。

## Answer Area

Location	Setting
Processing option	<div style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #cccccc; height: 15px; margin-bottom: 2px;"></div> <div style="display: flex; justify-content: flex-end; align-items: center;">▼</div> <div style="border-top: 1px solid gray; border-bottom: 1px solid gray; padding: 2px;">Default</div> <div style="border-bottom: 1px solid gray; padding: 2px;">Do not process</div> <div style="padding: 2px;">Full</div> </div>
Transactional deployment	<div style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #cccccc; height: 15px; margin-bottom: 2px;"></div> <div style="display: flex; justify-content: flex-end; align-items: center;">▼</div> <div style="border-top: 1px solid gray; border-bottom: 1px solid gray; padding: 2px;">False</div> <div style="padding: 2px;">True</div> </div>

**Answer:**

## Answer Area

Location	Setting
Processing option	<div style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #cccccc; height: 15px; margin-bottom: 2px;"></div> <div style="display: flex; justify-content: flex-end; align-items: center;">▼</div> <div style="border-top: 1px solid gray; border-bottom: 1px solid gray; padding: 2px;">Default</div> <div style="border-bottom: 1px solid gray; padding: 2px;">Do not process</div> <div style="padding: 2px;">Full</div> </div>
Transactional deployment	<div style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #cccccc; height: 15px; margin-bottom: 2px;"></div> <div style="display: flex; justify-content: flex-end; align-items: center;">▼</div> <div style="border-top: 1px solid gray; border-bottom: 1px solid gray; padding: 2px;">False</div> <div style="padding: 2px;">True</div> </div>

Explanation:

Scenario:

Box 1, Processing option:Default

Process Default detects the process state of database objects, and performs processing necessary to deliver unprocessed or partially processed objects to a fully processed state. If you change a data binding, Process Default will do a Process Full on the affected object.

Note: Processing Method This setting controls whether the deployed objects are processed after deployment and the type of processing that will be performed. There are three processing options:

Default processing (default)

Full processing

None

Box 2, Transactional deployment: False

If this option is False, Analysis Services deploys the metadata changes in a single transaction, and deploys each processing command in its own transaction.

Scenario: The CustomerAnalysis data model will contain a large amount of data and needs to be shared with other developers even if a deployment fails. Each time you deploy a change during development, processing takes a long time.

<https://docs.microsoft.com/en-us/sql/analysis-services/multidimensional-models/deployment-script-files-specifying-processing-options>

#### QUESTION NO: 4

Order

Analysisキューブに基づいて午後のレポート生成を最適化するようにサーバーを構成する必要があります。

どのプロパティを設定する必要がありますか？

- A. LowMemoryLimit
- B. VertiPaqPagingPolicy
- C. TotalMemoryLimit
- D. VirtualMemoryLimit

**Answer:** A

Explanation:

LowMemoryLimit: For multidimensional instances, a lower threshold at which the server first begins releasing memory allocated to infrequently used objects.

From scenario: Reports that are generated based on data from the OrderAnalysis cube take more time to complete when they are generated in the afternoon each day.

You examine the server and observe that it is under significant memory pressure.

#### QUESTION NO: 5

ドラッグアンドドロップの質問

ユーザーから報告された問題を解決する必要があります。

どの処理オプションを使用する必要がありますか？答えるには、適切な処理オプションを正しい場所にドラッグします。各処理オプションは、1回使用することも、複数回使用することも、まったく使用しないこともできます。コンテンツを表示するには、分割バーをペイン間でドラッグするか、スクロールする必要がある場合があります。

**Processing options**

Process Clear
Process Update
Process Index
Process Default
Process Data
Process Full

**Answer Area****Data availability during cube processing**

- Maximum data availability
- Less than maximum data availability
- Least data availability

**Processing option**

Processing option
Processing option
Processing option

**Answer:****Processing options**

Process Clear
Process Update
Process Index
Process Default
Process Data
Process Full

**Answer Area****Data availability during cube processing**

- Maximum data availability
- Less than maximum data availability
- Least data availability

**Processing option**

Process Full
Process Default
Process Update

Explanation:

Box1: Process Full:

When Process Full is executed against an object that has already been processed, Analysis Services drops all data in the object, and then processes the object.

This kind of processing is required when a structural change has been made to an object, for example, when an attribute hierarchy is added, deleted, or renamed.

Box 2: Process Default

Detects the process state of database objects, and performs processing necessary to deliver unprocessed or partially processed objects to a fully processed state.

If you change a data binding, Process Default will do a Process Full on the affected object.

Box 3:

Not Process Update: Forces a re-read of data and an update of dimension attributes. Flexible aggregations and indexes on related partitions will be dropped.

**QUESTION NO: 6**

ドラッグアンドドロップの質問

キューブ処理ジョブとディメンション処理ジョブを作成する必要があります。

各ジョブにどの処理タスクを使用する必要がありますか？答えるには、適切な処理タスクを正しい場所にドラッグします。各処理タスクは、1回使用することも、複数回使用することも、まったく使用しないこともできます。コンテンツを表示するには、分割バーをペイン間

でドラッグするか、スクロールする必要がある場合があります。

### Processing tasks

Process Clear  
Process Update  
Process Index  
Process Add  
Process Data  
Process Structure

### Answer Area

Job	Processing task
Incremental cube processing	Processing task
Incremental dimension processing	Processing task

**Answer:**

### Processing tasks

Process Clear  
Process Update  
Process Index  
Process Add  
Process Data  
Process Structure

### Answer Area

Job	Processing task
Incremental cube processing	Process Data
Incremental dimension processing	Process Update

Explanation:

Box 1: ProcessData

Processes data only without building aggregations or indexes. If there is data in the partitions, it will be dropped before re-populating the partition with source data.

Box 2: Process Update

Forces a re-read of data and an update of dimension attributes. Flexible aggregations and indexes on related partitions will be dropped.

<https://docs.microsoft.com/en-us/sql/analysis-services/multidimensional-models/processing-options-and-settings-analysis-services>