➢ **Vendor: Microsoft**

➢ **Exam Code: 70-467**

➢ **Exam Name: Designing Business Intelligence Solutions with Microsoft SQL Server 2012 Exam**

➢ **Question 91 -- Question 120**

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QUESTION 91
You need to create the factCustomerContact table.
Which type of table should you create?

A. A fact table with a non-additive measure
B. A factless fact table
C. A periodic snapshot fact table
D. A fact table with an additive measure

Answer: B

QUESTION 92
You need to configure permissions for the Customers dimension.
What should you do? (Each correct answer presents a complete solution. Choose all that apply.)

A. In SQL Server Management Studio, configure the BusinessUsers role to disallow the reading of all definitions.
B. In SQL Server Data Tools, configure the BusinessUsers role to disallow the reading of the Customers dimension definition.
C. In SQL Server Management Studio, deny the member set for the Customers dimension data by using the Multidimensional Expressions (MDX) expression Filter([BusinessUsers]).
D. In SQL Server Management Studio, configure the BusinessUsers role to disallow the reading of the Customers dimension definition.

Answer: BD

QUESTION 93
You need to select a method of moving data from the staging tables to the factOrders table.
What type of Transact-SQL (T-SQL) statement should you use?

A. INSERT INTO...SELECT
B. SELECT...INTO
C. ALTER PARTITION-SWITCH
D. ALTER PARTITION FUNCTION
E. ALTER TABLE...SWITCH

Answer: E

QUESTION 94
You need to select the appropriate mode for the Sales database.
Which mode should you select?

A. ROLAP
B. Direct Query
C. MOLAP
D. In-Memory

Answer: B

QUESTION 95
You need to design the dimCustomers table.
Which design approach should you use?

A. Reference dimension
B. Type 2 slowly changing dimension
C. Junk dimension
D. Conformed dimension
E. Type 1 slowly changing dimension

Answer: B

QUESTION 96
You need to select and configure a tool for the monitoring solution.
What should you choose?

A. Performance Monitor configured with the MSAS11:Storage Engine Query counter
B. Performance Monitor configured with the MSAS11:Processing counter
C. SQL Server Profiler configured with the Query Processing: Query Subcube event
D. SQL Server Profiler configured with the Queries Events: Query Begin event

Answer: A

QUESTION 97
You need to select the appropriate model type for the Finance database.
Which model type should you select?

A. Star schema
B. Multidimensional
C. Relational
D. Tabular with PowerPivot

Answer: B

QUESTION 98
You need to implement the date dimension in the Operations database.
What should you do?

A. Create three database dimensions.
   Add each database dimension as a cube dimension by setting the Referenced relationship type.
B. Create one database dimension.
   Add three cube dimensions based on the database dimension.
   Set the Regular relationship type for each cube dimension.
C. Create three database dimensions.
   Add each database dimension as a cube dimension by setting the Regular relationship type.
D. Create one database dimension.
   Add three cube dimensions based on the database dimension.
   Set the Referenced relationship type for each cube dimension.

Answer: B

Case Study: 5 - Contoso, Ltd Case B (QUESTION 99 - QUESTION 110)
General Background
You are the business intelligence (BI) solutions architect for Contoso, Ltd, an online retailer.
You produce solutions by using SQL Server 2012 Business Intelligence edition and Microsoft SharePoint Server 2010 Service Pack 1 (SP1) Enterprise edition.
A SharePoint farm has been installed and configured for intranet access only. An Internet- facing web server hosts the company's public e-commerce website. Anonymous access is not configured on the Internet-facing web server.
Data Warehouse
The data warehouse is deployed on a 5QL Server 2012 relational database instance. The data warehouse is structured as shown in the following diagram.
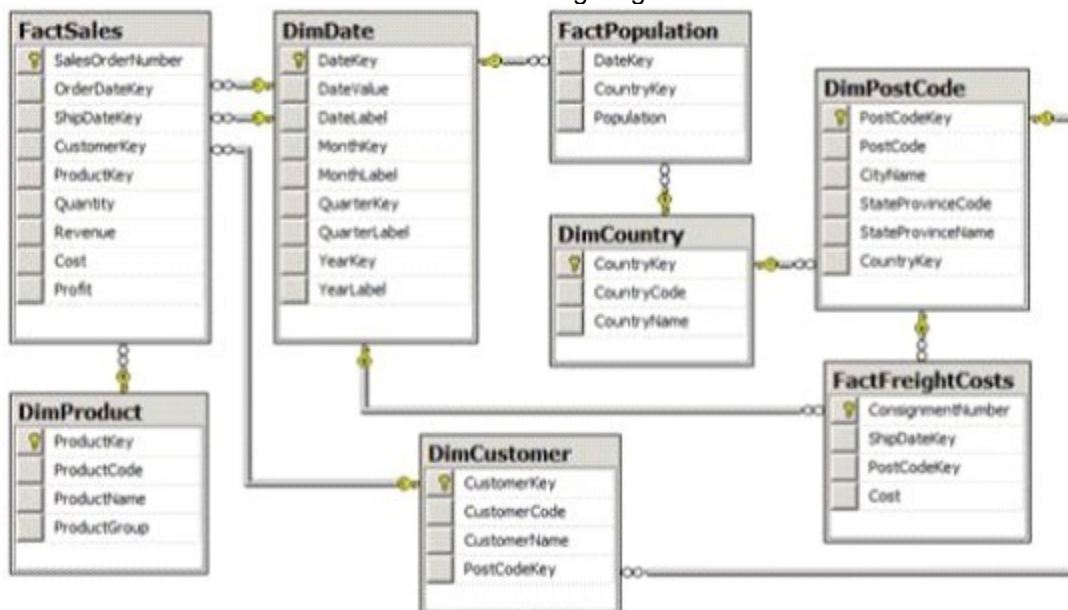
The following Transact-SQL (T-SQL) script is used to create the FactSales and FactPopulation tables:

```
CREATE TABLE [dbo].[FactSales]
(
    [SalesOrderNumber] NCHAR(10) PRIMARY KEY
    ,[OrderDateKey] INT NOT NULL
    ,[ShipDateKey] INT NOT NULL
    ,[CustomerKey] INT NOT NULL
    ,[ProductKey] INT NOT NULL
    ,[Quantity] INT NOT NULL
    ,[Revenue] SMALLMONEY NOT NULL
    ,[Cost] SMALLMONEY NOT NULL
    ,[Profit] AS ([Revenue]-[Cost])
);
GO


CREATE TABLE [dbo].[FactPopulation]
(
    [DateKey] INT NOT NULL
    ,[CountryKey] INT NOT NULL
    ,[Population] INT NOT NULL
);
GO
```

The FactPopulation table is loaded each year with data from a Windows Azure Marketplace commercial dataset. The table contains a snapshot of the population values for all countries of the world for each year. The world population for the last year loaded exceeds 6.8 billion people.

ETL Process

SQL Server Integration Services (SSIS) is used to load data into the data warehouse. All SSIS projects are developed by using the project deployment model.

A package named StageFactSales loads data into a data warehouse staging table. The package sources its data from numerous CSV files exported from a mainframe system. The CSV file names begin with the letters GLSD followed by a unique numeric identifier that never exceeds six digits. The data content of each CSV file is identically formatted.

A package named LoadFactFreightCosts sources data from a Windows Azure SQL Database database that has data integrity problems. The package may retrieve duplicate rows from the database.

The package variables of all packages have the RaiseChangedEvent property set to True.

A package-level event handler for the OnVariableValueChanged event consists of an Execute SQL task that logs the System::VariableName and System::VariableValue variables.

Data Models

SQL Server Analysis Services (SSAS) is used to host the Corporate BI multidimensional database.

The Corporate BI database contains a single data source view named Data Warehouse. The Data Warehouse data source view consists of all data warehouse tables. All data source view tables have been converted to named queries.

The Corporate BI database contains a single cube named Sales Analysis and three database dimensions: Date, Customer and Product. The dimension usage for the Sales Analysis cube is as shown in the following image.

The Customer dimension contains a single multi-level hierarchy named Geography. The structure of the Geography hierarchy is shown in the following image.

The Sales Analysis cube's calculation script defines one calculated measure named Sales Per Capita. The calculated measure expression divides the Revenue measure by the Population measure and multiplies the result by 1,000. This calculation represents revenue per 1,000 people. The Sales Analysis cube produces correct Sales Per Capita results for each country of the world; however, the Grand Total for all countries is incorrect, as shown in the following image (rows 2-239 have been hidden).

	A	B	C
1	Row Labels	Revenue	Sales Per Capita
240	+Western Sahara	253	0.46
241	+Yemen	12,345	0.52
242	+Zambia	1,700	0.13
243	+Zimbabwe	16,000	1.25
244	Grand Total	46,030,298	-26.76

A role named Analysts grants Read permission for the Sales Analysis cube to all sales and marketing analysts in the company.

SQL Server Reporting Services (SSRS) is configured in SharePoint integrated mode. All reports are based on shared data sources.

Corporate logo images used in reports were originally configured as data-bound images sourced from a SQL Server relational database table. The image data has been exported to JPG files. The image files are hosted on the Internet-facing web server. All reports have been modified to reference the corporate logo images by using the fully qualified URLs of the image files. A red X currently appears in place of the corporate logo in reports. Users configure data alerts on certain reports. Users can view a report named Sales Profitability on demand; however, notification email messages are no longer being sent when Sales Profitability report data satisfies alert definition rules. The alert schedule settings for the Sales Profitability report are configured as shown in the following image.

Schedule settings

Recurrence pattern:

Hourly - every 1 hour(s)

▲ Advanced ⚙

Start alert on: 1/1/2012 2:00:00 AM 🗓 🕐

☑ Stop alert on: 12/31/2020 🗓

☑ Send message only if alert results change

Business Requirements
Data Models
Users must be able to:
- Provide context to measures and filter measures by using all related
data warehouse dimensions.
- Analyze measures by order date or ship date.
Additionally, users must be able to add a measure named Sales to the report canvas by clicking
only once in the Power View field list. The Sales measure must allow users to analyze the sum of
the values in the Revenue column of the FactSales data warehouse table. Users must be able to
change the aggregation function of the Sales measure.

Analysis and Reporting
A sales manager has requested the following query results from the Sales Analysis cube for the
2012 fiscal year:
- Australian postal codes and sales in descending order of sales.
- Australian states and the ratio of sales achieved by the 10 highest
customer sales made for each city in that state.

Technical Requirements
ETL Processes
If an SSIS package variable value changes, the package must log the variable name and the new
variable value to a custom log table.
The StageFactSales package must load the contents of all files that match the file name pattern.
The source file name must also be stored in a column of the data warehouse staging table. In the
design of the LoadFactSales package, if a lookup of the dimension surrogate key value for the
product code fails, the row details must be emailed to the data steward and written as an error
message to the SSIS catalog log by using the public API.
You must configure the LoadFactFreightCosts package to remove duplicate rows, by using the
least development effort.

Data Models
Users of the Sales Analysis cube frequently filter on the current month's data. You must ensure
that queries to the Sales Analysis cube default to the current month in the Order Date dimension
for all users.
You must develop and deploy a tabular project for the exclusive use as a Power View reporting
data source. The model must be based on the data warehouse. Model table names must exclude
the Dim or Fact prefixes. All measures in the model must format values to display zero decimal
places.

Analysis and Reporting
Reports must be developed that combine the SSIS catalog log messages with the package variable
value changes.

QUESTION 99
You need to implement the requirements for the StageFactSales package.
Which four actions should you perform in sequence? (To answer, move the appropriate actions
from the list of actions to the answer area and arrange them in the correct order.)

Add a Data Flow task, then add a
Microsoft Excel source to the task and
configure it to use the connection
manager.

Set the
FileNameColumnName property of
the source.

Add a MULTIFILE connection manager
and configure it to load data from files
named **GLSD*.csv**.

Add a MULTIFLATFILE connection
manager and configure it to load data
from files named **GLSD*.csv**.

Add an OLE DB destination and
configure it to store the output of the
source.

Add a Data Flow task, then add a Flat
File source to the task and configure it
to use the connection manager.

Answer:

Add a Data Flow task, then add a
Microsoft Excel source to the task and
configure it to use the connection
manager.

Set the
FileNameColumnName property of
the source.

Add a MULTIFILE connection manager
and configure it to load data from files
named **GLSD*.csv**.

Add a MULTIFLATFILE connection
manager and configure it to load data
from files named **GLSD*.csv**.

Add an OLE DB destination and
configure it to store the output of the
source.

Add a Data Flow task, then add a Flat
File source to the task and configure it
to use the connection manager.

Add a MULTIFLATFILE connection
manager and configure it to load data
from files named **GLSD*.csv**.

Add a Data Flow task, then add a Flat
File source to the task and configure it
to use the connection manager.

Set the
FileNameColumnName property of
the source.

Add an OLE DB destination and
configure it to store the output of the
source.

QUESTION 100
You are creating the Australian states query.
Which Multidimensional Expressions (MDX) calculation should you use to complete the query?
To answer, drag the appropriate calculation to the answer area.

```
SUM(
    TOPCOUNT(DESCENDANTS([Customer].[Geography].CURRENTMEMBER,
        [Customer].[Geography].[City]), 10,
        [Measures].[Sales Amount]),
    [Measures].[Sales Amount])
/
([Customer].[Geography].CURRENTMEMBER, [Measures].[Sales Amount])
```

```
SUM(
    TOPCOUNT(DESCENDANTS([Customer].[Geography].CURRENTMEMBER,
        [Customer].[Geography].[Customer]), 10,
        [Measures].[Sales Amount]),
    [Measures].[Sales Amount])
/
([Customer].[Geography].CURRENTMEMBER, [Measures].[Sales Amount])
```

```
SUM(
    GENERATE(DESCENDANTS([Customer].[Geography].CURRENTMEMBER,
        [Customer].[Geography].[City]),
        TOPCOUNT(DESCENDANTS([Customer].[Geography].CURRENTMEMBER,
            [Customer].[Geography].[Customer]), 10,
            [Measures].[Sales Amount])),
    [Measures].[Sales Amount])
/
([Customer].[Geography].CURRENTMEMBER, [Measures].[Sales Amount])
```

```
SUM(
    GENERATE(DESCENDANTS([Customer].[Geography].CURRENTMEMBER,
        [Customer].[Geography].[City]),
        TOPCOUNT(DESCENDANTS([Customer].[Geography].CURRENTMEMBER,
            [Customer].[Geography].[City]), 10,
            [Measures].[Sales Amount])),
    [Measures].[Sales Amount])
/
([Customer].[Geography].CURRENTMEMBER, [Measures].[Sales Amount])
```

```
WITH MEMBER [Measures].[State Sales Density By Top 10 Customers Per City]
AS




SELECT
    {[Measures].[State Sales Density By Top 10 Customers Per City]}
    ON COLUMNS,
    [Customer].[Geography].[Australia].CHILDREN ON ROWS
FROM
    [Sales]
WHERE
    ([Date].[Fiscal].[FY2012])
```

Answer:

```
SUM(
    TOPCOUNT(DESCENDANTS([Customer].[Geography].CURRENTMEMBER,
        [Customer].[Geography].[City]), 10,
        [Measures].[Sales Amount]),
    [Measures].[Sales Amount])
/
([Customer].[Geography].CURRENTMEMBER, [Measures].[Sales Amount])
```

```
SUM(
    TOPCOUNT(DESCENDANTS([Customer].[Geography].CURRENTMEMBER,
        [Customer].[Geography].[Customer]), 10,
        [Measures].[Sales Amount]),
    [Measures].[Sales Amount])
/
([Customer].[Geography].CURRENTMEMBER, [Measures].[Sales Amount])
```

```
SUM(
    GENERATE(DESCENDANTS([Customer].[Geography].CURRENTMEMBER,
        [Customer].[Geography].[City]),
        TOPCOUNT(DESCENDANTS([Customer].[Geography].CURRENTMEMBER,
            [Customer].[Geography].[Customer]), 10,
            [Measures].[Sales Amount])),
    [Measures].[Sales Amount])
/
([Customer].[Geography].CURRENTMEMBER, [Measures].[Sales Amount])
```

```
SUM(
    GENERATE(DESCENDANTS([Customer].[Geography].CURRENTMEMBER,
        [Customer].[Geography].[City]),
        TOPCOUNT(DESCENDANTS([Customer].[Geography].CURRENTMEMBER,
            [Customer].[Geography].[City]), 10,
            [Measures].[Sales Amount])),
    [Measures].[Sales Amount])
/
([Customer].[Geography].CURRENTMEMBER, [Measures].[Sales Amount])
```

```
WITH MEMBER [Measures].[State Sales Density By Top 10 Customers Per City]
AS
    SUM(
        GENERATE(DESCENDANTS([Customer].[Geography].CURRENTMEMBER,
            [Customer].[Geography].[City]),
            TOPCOUNT(DESCENDANTS([Customer].[Geography].CURRENTMEMBER,
                [Customer].[Geography].[Customer]), 10,
                [Measures].[Sales Amount])),
        [Measures].[Sales Amount])
    /
    ([Customer].[Geography].CURRENTMEMBER, [Measures].[Sales Amount])
SELECT
    {[Measures].[State Sales Density By Top 10 Customers Per City]}
    ON COLUMNS,
    [Customer].[Geography].[Australia].CHILDREN ON ROWS
FROM
    [Sales]
WHERE
    ([Date].[Fiscal].[FY2012])
```

QUESTION 101
You need to ensure that the Sales Per Capita calculated measure produces correct results.
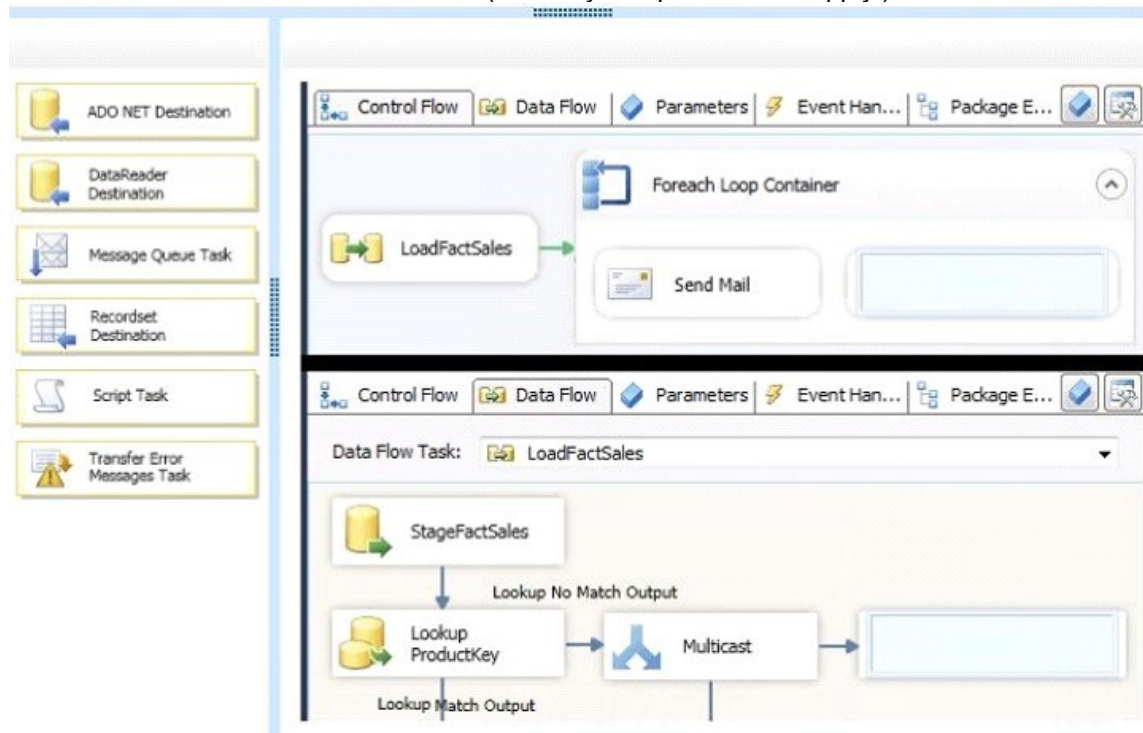What should you do?

A. Set the DataType property of the Population column of the FactPopulation data source view table to System.Int64.
B. Set the Source DataType property of the Population measure to BigInt.
C. Set the data type of the Population column of the FactPopulation data warehouse table to BIGINT.
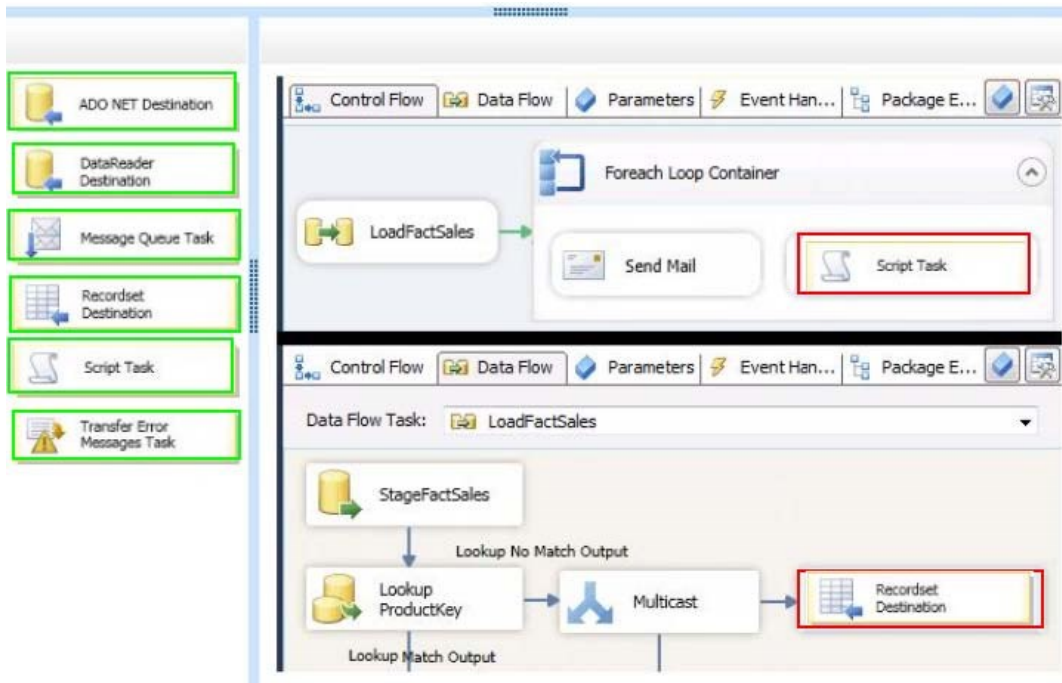D. Set the DataType property of the Population measure to BigInt.

Answer: B

QUESTION 102
You need to develop the LoadFactSales package to write the error messages to the SSIS catalog log.
Which components should you use? To answer, drag the appropriate components to the correct location or locations in the answer area. (Use only components that apply.)
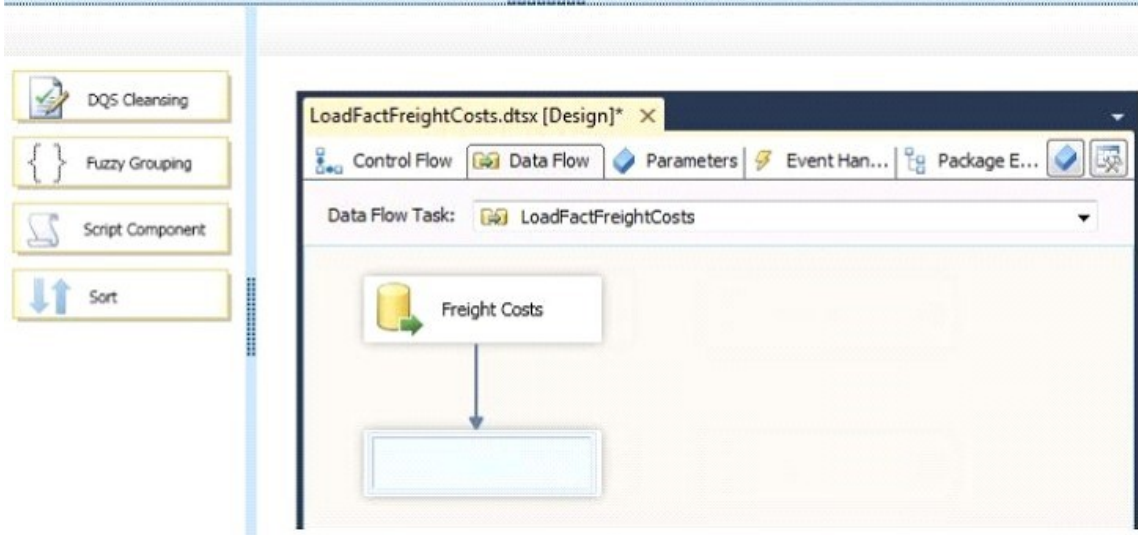

Answer:

QUESTION 103
You need to ensure that the corporate logos appear in reports.
What should you do?

A. In SharePoint Central Administration, configure the unattended execution account.
B. In SharePoint Central Administration, configure the Report Server service account.
C. In Reporting Services Configuration Manager, configure the unattended execution account.
D. In Reporting Services Configuration Manager, configure the Report Server service account.

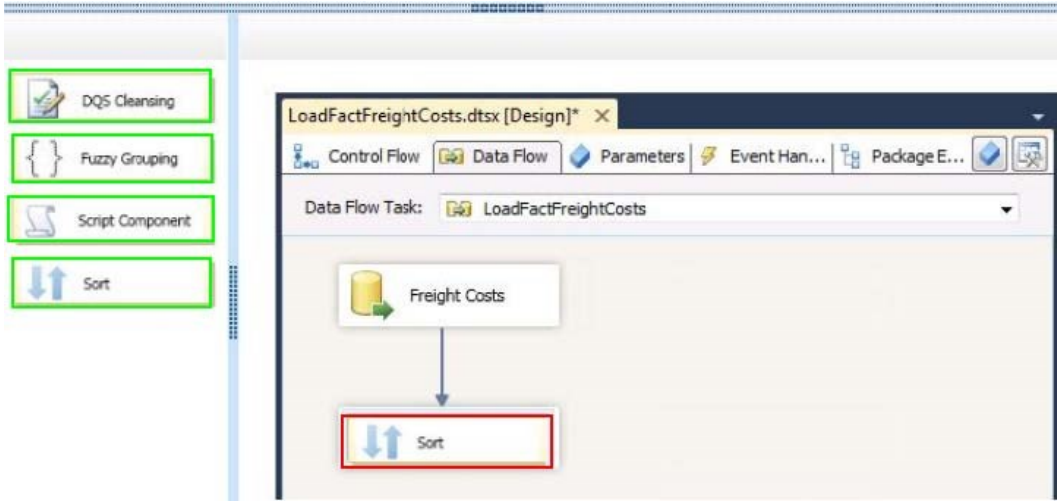**Answer:** A

QUESTION 104
You need to configure the LoadFactFreightCosts package to address the data integrity issues.
Which data flow component should you use? To answer, drag the appropriate data flow component
to the answer area.

Answer:

QUESTION 105
You need to ensure that queries to the Sales Analysis cube default to the correct time period. Where should you set the default member Multidimensional Expressions (MDX) expression?

A. In the DefaultMember property of the Month attribute of the Date dimension.
B. In the cube's calculation script.
C. In the DefaultMeasure property of the cube.
D. In the Analysts role.

Answer: B

QUESTION 106
You need to ensure that the Sales measure in the Power View field list meets the requirements. What should you do? (Each correct answer presents a part of the solution. Choose all that apply.)

A. Format the column to display zero decimal places.
B. Hide the column from client tools.

C. Create a measure named Sales based on the column by using the Data Analysis Expressions (DAX) SUM() function.
D. Rename the column to Sales.
E. Format the measure to display zero decimal places.

Answer: AC
Explanation:
* Data Analysis Expressions (DAX) provides many functions for creating aggregations such as sums, counts, and averages. These functions are very similar to aggregation functions used by Microsoft Excel.
* SUMX Function
Returns the sum of an expression evaluated for each row in a table.

QUESTION 107
You need to identify the reasons that data alert notifications are not being sent.
Which of the following reasons are possible? (Each correct answer presents a complete solution. Choose al that apply.)

A. The shared schedule is paused.
B. The data source used by the report is disabled.
C. The SSR5 service is not running.
D. The report data has not changed since the previous notification.
E. The SQL Server Agent is not running.
F. The SSRS encryption key has been deleted.

Answer: CE
Explanation:
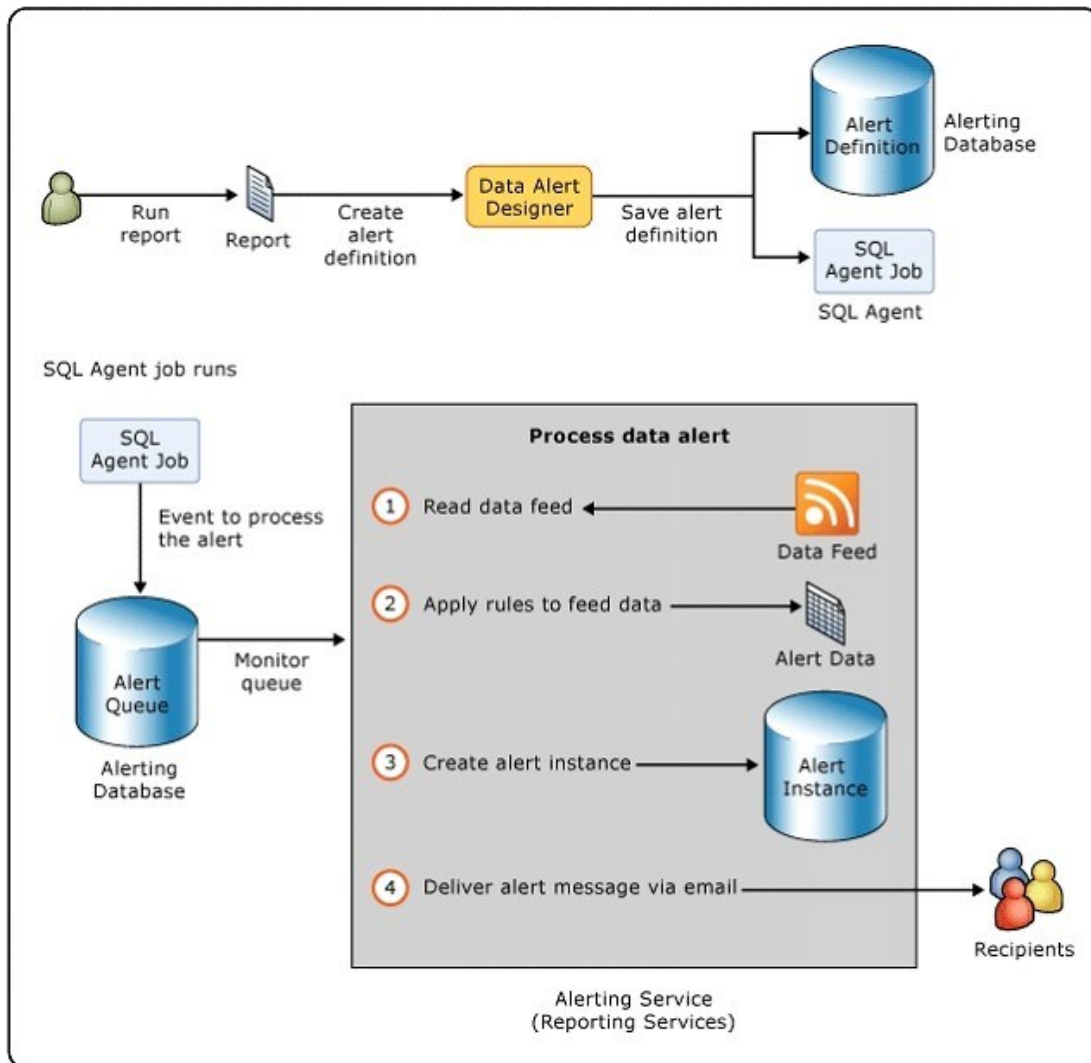
Workflow in Reporting Services alerting
One possibility is that no SQL Server Agent alerts have been configured. This is a free, easy way to get notified of corruption, job failures, or major outages even before monitoring systems pick it up.

QUESTION 108
You need to develop the tabular project to support the date analysis requirements.
What should you do?

A. Create one date table named Date.
    Create an active relationship between the DateKey column of the Date table and the OrderDateKey column of the Sales table.
    Create an inactive relationship between the DateKey column of the Date table and the ShipDateKey column of the Sales table.
B. Create two date tables, one named Order Date and one named Ship Date.
    Create an active relationship between the DateKey column of the Order Date table and the OrderDateKey column of the Sales table.
    Create an inactive relationship between the DateKey column of the Ship Date table and the ShipDateKey

column of the Sales table.
C. Create one date table named Date.
   Create an active relationship between the DateKey column of the Date table and the ShipDateKey column of the Sales table.
   Create an inactive relationship between the DateKey column of the Date table and the OrderDateKey column of the Sales table.
D. Create two date tables, one named Order Date and one named Ship Date.
   Create an active relationship between the DateKey column of the Order Date table and the OrderDateKey column of the Sales table.
   Create an active relationship between the DateKey column of the Ship Date table and the ShipDateKey column of the Sales table.

Answer: C

QUESTION 109
You are creating the Australian postal code query.
Which arguments should you use to complete the query?
To answer, drag the appropriate arguments to the correct location or locations in the answer area.
(Use only arguments that apply.)

Arguments	Answer area

AFTER	SELECT
	  {[Measures].[Sales Amount]} ON COLUMNS,
	  ORDER(
	    DESCENDANTS([Customer].[Geography].[Australia],

ASC	
BASC	[Customer].[Geography].[Post Code Argument]),
BDESC	[Measures].[Sales Amount], Argument) ON ROWS
BEFORE	FROM [Sales]
DESC	WHERE ([Date].[Fiscal].[FY2012])
LEAVES	
SELF	

Answer:

```
Arguments          Answer area

                   SELECT
   AFTER              {[Measures].[Sales Amount]} ON COLUMNS,
                      ORDER(
   ASC                   DESCENDANTS([Customer].[Geography].[Australia],

   BASC                     [Customer].[Geography].[Post Code      BDESC    ),

                         [Measures].[Sales Amount],       DESC    ) ON ROWS

   BEFORE          FROM
                      [Sales]
                   WHERE
                      ([Date].[Fiscal].[FY2012])
   LEAVES

   SELF
```

QUESTION 110
You need to update the Execute SQL task in the OnVariableValueChanged event handler of all SSIS packages.
Which additional variable should be logged?

A. System::ExecutionInstanceGUID
B. System::ServerExecutionID
C. System::VariableID
D. System::SourceID

Answer: C

Case Study: 6 - Tailspin Toys Case B (QUESTION 111 - QUESTION 120)
Overview
Tailspin Toys is a manufacturing company that has offices across the United States, Europe, and Asia.
Tailspin Toys plans to implement a business intelligence (BI) solution for its US-based headquarters to manage the sales data, including information on customer transactions, products, sales quotas, and bonuses.
Existing Environment
Data Sources
Tailspin Toys currently stores data in line-of-business applications, relational databases, flat files, and the following;
- A Microsoft Excel spreadsheet named MarketResearch.xlsx. The spreadsheet is stored on a network drive in a directory owned by an analyst.
- A tabular model named Research.xlsx used in PowerPivot for Excel. Research.xlsx uses
MarketResearch.xlsx as one of its data sources.
Network

The network contains an Active Directory forest named tailspintoys.com. The forest contains a Microsoft SharePoint Server 2013 server farm.

Implementation Plans

Databases

Tailspin Toys plans to build a star schema data warehouse named DB1. DB1 will be loaded from several different sources and will be updated nightly to contain new sales data.

DB1 will contain the following table types:

```
- A fact table to store transactional data, including transaction date,
productID, customerID, quantity, and sales amounts.
- Dimension tables to store information about each customer, each product,
each date, and each sales department user.
```

BI Semantic Models

Tailspin Toys plans to deploy the following BI semantic models:

```
- A multidimensional cube named CUBE1 that will store sales data. CUBE1
will be based on DB1 and will be hosted in SQL Server Analysis Services
(SSAS). CUBE1 will contain two distinct count measures named
UniqueCustomers and UniqueProducts. The measures are expected to
aggregate hundreds of millions of rows from DB1.
- A tabular model named SalesCommission that will contain information
about sales department user quotas and commissions.
- A tabular model named Research that will contain the migrated model
from Research.xlsx.
- An instance of SSAS in tabular mode named Tabular.
```

Planned Reports and Queries

Tailspin Toys plans to implement the following reports and queries:

```
- Power View reports that use data from the Research model.
- Reports for each year the company recorded sales data that used the
SalesCommission model. - The reports will use the Dates_Between() and the
DatesInPeriod() DAX functions in queries.
```

Reports that use CUBE1 that contain the following query statements:

```
01  SELECT [Measures].[UniqueCustomers] ON 0,
02  [Date].[Date].[Date] ON 1
03  FROM [CUBE1]
04  WHERE
05  [Date].[Calendar Month].[Calendar Month].&[2012]&[1]

06  SELECT [Measures].[UniqueProducts] ON 0,
07  [Date].[Date].[Date] ON 1
08  FROM [CUBE1]
09  WHERE
10  [Date].[Calendar Month].[Calendar Month].&[2012]&[1]
```

A report named SalesByCategory that uses CUBE1 and the following query statement: (Line numbers are included for reference only.)

```
01   SELECT
02   {[Measures].[SalesAmount]} on 0
03   ,{(
04   [Date].[CalendarYear].[&2012]
05   ,
06   [Product].[Categories].[Category].[Category1]
07   ),(
08   [Product].[Categories].[Category].[Category2]
09   ,
10   [Date].[CalendarYear].[&2012]
11   )} ON 1
12   from CUBE1
```

Self-Service Reporting

Tailspin Toys plans to deploy the following self-service reports:

- Reports created by sales department specialists that use CUBE1 and contain drillthroughs, maps, sparklines, and Key Performance Indicators (KPIs). The reports will be stored in a SharePoint Server document library named Library1.
- Reports created by sales department managers that use the SalesCommission model. The reports will contain visualizations that show sales department users their current sales as compared to their quota.
- Power Pivot models stored in a SharePoint Server document library that is configured as a PowerPivot Gallery named Gallery1.

Requirements

Data Security Requirements

Sales department users browsing CUBE1 must be able to view the sales data that relates to their respective customers only.

Access to reports must be controlled by using SharePoint permissions.

ETL Requirements

Tailspin Toys identifies the following extract, transformation, and load (ETL) requirements:

- Nightly updates of DB1 must support the incremental load of dimension and fact tables on separate schedules. Fact data may be loaded before dimension data.
- ETL processes must be able to update dimension attributes without losing context for historical facts.
- Referential integrity between dimension and fact tables must be maintained at all times.

Cube Performance Requirements

The design of CUBE1 must minimize the processing time of the UniqueCustomers and Unique Products measures. The time required to process CUBE1 each night must be minimized.

Data Refresh Requirements

The Research model must be refreshed nightly without interrupting the workflow of the analyst.

QUESTION 111

You need to recommend a cube architecture for CUBE1. The solution must meet the performance requirements for CUBE1.

Which two partitions should you recommend creating? Each Answer presents part of the solution.

A. Partitions based on the values of the customerID column in the dimension table
B. Partitions based on the values of the customerID column in the fact table
C. Partitions based on the values of the productID column in the fact table
D. Partitions based on the values of the productID column in the dimension table

Answer: AD

QUESTION 112
You execute the SalesbyCategory report and receive the following error message:
`"Members, tuples, or sets must use the same hierarchies in the function."`
You need to ensure that the query executes successfully.
Which two actions should you perform? Each Answer presents part of the solution.

A. Move the Product clause from line 08 to line 10.
B. Move the Date and Product clauses on line 11 to axis 0.
C. Move the Date clause from line 10 to line 08.
D. Move the Measures clause on line 02 to axis 1.

Answer: AC

QUESTION 113
You need to implement the SalesCommission model to support the planned reports and queries.
What should you do?

A. Create a date table that contains only one row for each date on which a sale is recorded.
B. Use the existing transaction date column in the sales table for date calculations.
C. Create a date table that contains a row for every date since data started being recorded.
D. Create a new calculated date column in the sales table for date calculations.

Answer: C

QUESTION 114
You need to deploy a solution for the planned self-service reports that will be used by the sales department managers.
What is the best solution you should deploy? More than one answer choice may achieve the goal.
Select the BEST answer.

A. A filter
B. A KPI
C. A calculated column
D. A measure

Answer: B

QUESTION 115
You need to recommend a partitioning strategy that meets the performance requirements for CUBE1.
What should you include in the recommendation?

A. Create separate measure groups for each distinct count measure.
B. Createone measure group for all distinct count measures.
C. Createa separate dimension for each distinct count attribute.
D. Createone dimension for all distinct count attributes.

Answer: A

QUESTION 116

You need to prepare the infrastructure for the planned implementation of Gallery1. Which three actions should you perform? Each Answer presents part of the solution,

A. Install a Database Engine instance.
B. Run the PowerPivot Configuration Tool.
C. Install the SQL Server Reporting Services add-in for SharePoint.
D. Install SQL Server PowerPivot for SharePoint.
E. Install the SQL Server Reporting Services - SharePoint feature.
F. Run the Install-SPUserSolution cmdlet.

Answer: BCD

QUESTION 117
You are deploying the Research model.
You need to ensure that the data contained in the model can be refreshed.
What should you do?

A. Import MarketResearch.xlsx to a new tabular database on the Tabular instance.
B. Assign the Tabular instance service account permissions to the MarketResearch.xlsx network location.
C. Create a SQL Server Integration Services (SSIS) package that imports data from MarketResearch.xlsx nightly. Load the data to CUBE1.
D. Upload MarketResearch.xlsx to Library1.

Answer: B

QUESTION 118
You need to configure Library1 to support the planned self-service reports.
What is the best configuration you should add to Library1? More than one answer choice may achieve the goal. Select the BEST answer.

A. The Report Builder report content type
B. The PowerPivot Gallery Document content type
C. The Report Builder Model content type
D. The Report content type

Answer: A

QUESTION 119
You need to recommend a SQL Server Integration Services (SSIS) package design that meets the ETL requirements.
What should you include in the recommendation?

A. Add new rows for changes to existing dimension members and enable inferred members.
B. Update non-key attributes in the dimension tables to use new values.
C. Update key attributes in the dimension tables to use new values.
D. Add new rows for changes to existing dimension members and disable inferred members.

Answer: A

QUESTION 120
You need to recommend a solution to implement the data security requirements for CUBE1.
Which three actions should you recommend performing in sequence? To answer, move the

appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Create a factless fact table.	
Create a perspective.	
Write an MDX expression.	
Enable Visual Totals.	
Create a SQL Server login.	

Answer:

Actions	Answer Area
Create a factless fact table.	Create a SQL Server login.
Create a perspective.	Write an MDX expression.
	Enable Visual Totals.

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