Vendor: Microsoft

Exam Code: 70-463

Exam Name: Implementing a Data Warehouse with Microsoft SQL Server 2012

Version: Demo
**QUESTION 1**
You are implementing a SQL Server Integration Services (SSIS) package that loads data hosted in a SQL Azure database into a data warehouse. The source system contains redundant or inconsistent data. When the package finds invalid data, the row containing the invalid data must be omitted but it must also be written to a text file for further analysis. You need to establish the best technique to log these invalid rows while keeping the amount of development effort to a minimum. What should you do?

A. Add an OnError event handler to the SSIS project.
B. Use an msi file to deploy the package on the server.
C. Open a command prompt and run the gacutil command.
D. Open a command prompt and run the dtutil /copy command.
E. Open a command prompt and run the dtexec /rep /conn command.
F. Open a command prompt and run the dtexec /dumperror /conn command.
G. Run the package by using the dtexecui.exe utility and the SQL Log provider.
H. Create a reusable custom logging component and use it in the SSIS project.
I. Configure the SSIS solution to use the Project Deployment Model.
J. Configure the output of a component in the package data flow to use a data tap.
K. Run the dtutil command to deploy the package to the SSIS catalog and store the configuration in SQL Server.

**Correct Answer: J**

**QUESTION 2**
You are troubleshooting an existing SQL Server Integration Services (SSIS) package. On several occasions, the package execution does not finish and no data seems to have been transferred. You need to ensure that package logging occurs. Your solution must minimize deployment and development efforts. What should you do?

A. Add an OnError event handler to the SSIS project.
B. Use an msi file to deploy the package on the server.
C. Open a command prompt and run the gacutil command.
D. Open a command prompt and run the dtutil /copy command.
E. Open a command prompt and run the dtexec /rep /conn command.
F. Open a command prompt and run the dtexec /dumperror /conn command.
G. Run the package by using the dtexecui.exe utility and the SQL Log provider.
H. Create a reusable custom logging component and use it in the SSIS project.
I. Configure the SSIS solution to use the Project Deployment Model.
J. Configure the output of a component in the package data flow to use a data tap.
K. Run the dtutil command to deploy the package to the SSIS catalog and store the configuration in SQL Server.

**Correct Answer: A**
QUESTION 3
To facilitate the troubleshooting of SQL Server Integration Services (SSIS) packages, a logging methodology is put in place. The methodology has the following requirements:

- The deployment process must be simplified.
- All the logs must be centralized in SQL Server.
- Log data must be available via reports or T-SQL.
- Log archival must be automated.

You need to configure a logging methodology that meets the requirements while minimizing the amount of deployment and development effort. What should you do?

A. Open a command prompt and run the gacutil command.
B. Open a command prompt and execute the package by using the SQL Log provider and running the dtexecui.exe utility.
C. Add an OnError event handler to the SSIS project.
D. Use an msi file to deploy the package on the server.
E. Configure the output of a component in the package data flow to use a data tap.
F. Run the dtutil command to deploy the package to the SSIS catalog and store the configuration in SQL Server.
G. Open a command prompt and run the dtexec /rep /conn command.
H. Open a command prompt and run the dtutil /copy command.
I. Open a command prompt and run the dtexec /dumperror /conn command.
J. Configure the SSIS solution to use the Project Deployment Model.
K. Create a reusable custom logging component and use it in the SSIS project.

Correct Answer: J

QUESTION 4
To ease the debugging of packages, you standardize the SQL Server Integration Services (SSIS) package logging methodology. The methodology has the following requirements:

- Centralized logging in SQL Server
- Simple deployment
- Availability of log information through reports or T-SQL
- Automatic purge of older log entries
- Configurable log details

You need to configure a logging methodology that meets the requirements while minimizing the amount of deployment and development effort. What should you do?

A. Use the gacutil command.
B. Use the dtutil /copy command.
C. Use the Integration Services Deployment Wizard.
D. Create an OnError event handler.
E. Create a reusable custom logging component.
F. Run the package by using the dtexec /rep /conn command.
G. Run the package by using the dtexec /dumperror /conn command.
H. Run the package by using the dtexecui.exe utility and the SQL Log provider.
I. Add a data tap on the output of a component in the package data flow.
J. Deploy the package by using an msi file.
K. Deploy the package to the Integration Services catalog by using dtutil and use SQL Server to store the configuration.

Correct Answer: H

QUESTION 5
A SQL Server Integration Services (SSIS) package on a computer is failing periodically in production. The package was created less than one year ago and was deployed to the SSIS catalog. Sometimes the package is started on a SQL Agent schedule; sometimes the package is started manually by an SSIS developer by using the Object Explorer in SQL Server Management Studio. You need to identify the authenticated user responsible for starting the package each time it failed in the past. Where can you find this information?

A. the SQL Server Log
B. the SSISDB.[catalog].executions view
C. the SSISDB.[catalog].event_messages view
D. the SQL Agent Job History
E. the SQL Agent Error Log

Correct Answer: B

QUESTION 6
You maintain a SQL Server Integration Services (SSIS) package. The package was developed by using SQL Server 2008 Business Intelligence Development Studio (BIDS). The package includes custom scripts that must be upgraded. You need to upgrade the package to SQL Server 2012. Which tool should you use?

A. SSIS Upgrade Wizard in SQL Server 2008 BIDS
B. SSIS Upgrade Wizard in SQL Server Data Tools
C. SQL Server DTExecUI utility (dtxexecui.exe)
D. SQL Server dtexec utility (dtxexec.exe)

Correct Answer: B
QUESTION 7
You are reviewing the design of an existing fact table named factSales, which is loaded from a SQL Azure database by a SQL Server Integration Services (SSIS) package each day. The fact table has approximately 1 billion rows and is dimensioned by product, sales date, and sales time of day.

The database administrator is concerned about the growth of the database. Users report poor reporting performance against this database. Reporting requirements have recently changed and the only remaining report that uses this fact table reports sales by product name, sale month, and sale year. No other reports will be created against this table. You need to reduce the report processing time and minimize the growth of the database. What should you do?

A. Partition the table by product type.
B. Create a view over the fact table to aggregate sales by month.
C. Change the granularity of the fact table to month.
D. Create an indexed view over the fact table to aggregate sales by month.

Correct Answer: C

QUESTION 8
You are designing a data warehouse for a software distribution business that stores sales by software title. It stores sales targets by software category. Software titles are classified into subcategories and categories. Each software title is included in only a single software subcategory, and each subcategory is included in only a single category. The data warehouse will be a data source for an Analysis Services cube. The data warehouse contains two fact tables:

- factSales, used to record daily sales by software title
- factTarget, used to record the monthly sales targets by software category

Reports must be developed against the warehouse that reports sales by software title, category and subcategory, and sales targets. You need to design the software title dimension. The solution should use as few tables as possible while supporting all the requirements. What should you do?
A. Create three software tables, dimSoftware, dimSoftwareCategory, and dimSoftwareSubcategory and a fourth bridge table that joins software titles to their appropriate category and subcategory table records with foreign key constraints. Direct the cube developer to use key granularity attributes.

B. Create three software tables, dimSoftware, dimSoftwareCategory, and dimSoftwareSubcategory. Connect factSales to all three tables and connect factTarget to dimSoftwareCategory with foreign key constraints. Direct the cube developer to use key granularity attributes.

C. Create one table, dimSoftware, which contains Software Detail, Category, and Subcategory columns. Connect factSales to dimSoftware with a foreign key constraint. Direct the cube developer to use a non-key granularity attribute for factTarget.

D. Create two tables, dimSoftware and dimSoftwareCategory. Connect factSales to dimSoftware and factTarget to dimSoftwareCategory with foreign key constraints. Direct the cube developer to use key granularity attributes.

Correct Answer: C

QUESTION 9
You are reviewing the design of a customer dimension table in an existing data warehouse hosted on SQL Azure. The current dimension design does not allow the retention of historical changes to customer attributes such as Postcode. You need to redesign the dimension to enable the full historical reporting of changes to multiple customer attributes including Postcode. What should you do?

A. Add StartDate and EndDate columns to the customer dimension.
B. Add an IsCurrent column to the customer dimension.
C. Enable Snapshot Isolation on the data warehouse.
D. Add CurrentValue and PreviousValue columns to the customer dimension.

Correct Answer: A

QUESTION 10
You are designing an enterprise star schema that will consolidate data from three independent data marts. One of the data marts is hosted on SQL Azure. Most of the dimensions have the same structure and content. However, the geography dimension is slightly different in each data mart. You need to design a consolidated dimensional structure that will be easy to maintain while ensuring that all dimensional data from the three original solutions is represented. What should you do?

A. Create a junk dimension for the geography dimension.
B. Implement change data capture.
C. Create a conformed dimension for the geography dimension.

D. Create three geography dimensions.

Correct Answer: C

QUESTION 11
You develop and deploy a SQL Server Integration Services (SSIS) package. The package is stored in the file system. You need to execute the package without importing it to the SSIS server. What should you use to execute the package? (Each correct answer presents a complete solution. Choose all that apply.)

A. catalog.start_package
B. dtexec
C. SQL Server Management Studio
D. SQL Server Agent

Correct Answer: BD

QUESTION 12
You work as a senior database administrator at ABC.com. The ABC.com network consists of a single domain named ABC.com. ABC.com makes use of Microsoft SQL Server 2012 in their environment. You are running a training exercise for Microsoft SQL Server 2012 junior administrators. You are discussing the use of Slowly Changing Dimension Transformation Outputs. One of the output options causes Derived Column transformations to create columns for the expired row and the current row indicators. Which option is the output that causes this?

A. Unchanged Output
B. Inferred Member Updates Output
C. Historical Attributes Inserts Output
D. Fixed Attribute Output
E. Changing Attributes Updates Output

Correct Answer: C