

## 70-463 Dumps

# Implementing a Data Warehouse with Microsoft SQL Server 2012

<https://www.certleader.com/70-463-dumps.html>



**NEW QUESTION 1**

You develop a SQL Server Integration Services (SSIS) package that imports SQL Azure data into a data warehouse every night. The SQL Azure data contains many misspellings and variations of abbreviations. To import the data, a developer used the Fuzzy Lookup transformation to choose the closest-matching string from a reference table of allowed values. The number of rows in the reference table is very large. If no acceptable match is found, the Fuzzy Lookup transformation passes a null value. The current setting for the Fuzzy Lookup similarity threshold is 0.50. Many values are incorrectly matched. You need to ensure that more accurate matches are made by the Fuzzy Lookup transformation without degrading performance. What should you do?

- A. Change the Exhaustive property to True.
- B. Change the similarity threshold to 0.55.
- C. Change the similarity threshold to 0.40.
- D. Increase the maximum number of matches per looku

**Answer:** B

**Explanation:** <http://msdn.microsoft.com/en-us/library/ms137786.aspx>

**NEW QUESTION 2**

DRAG DROP

A SQL Server Integration Services (SSIS) package named DataFeed interacts with an external vendor data feed. The package is executed several times a day, either as part of other packages' control flow or by itself. The external data feed is unreliable because network failures and slow response times are frequent. The package is currently deployed on the file system.

To analyze the reliability of the external data feed, you must collect execution data. Every time the DataFeed package is executed, the following information must be logged:

- ? Start Time
- ? End Time
- ? Execution Result
- ? Execution Duration

You need to design a logging solution that meets the requirements by using the least amount of administrative and development effort.

Which three 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.)

The interface shows a list of actions on the left:

- Add **OnError** and **OnWarning** event handlers.
- Query the **catalog.executable\_statistics** view.
- Query the **ExecutionLog** table.
- Deploy the project that contains the package to the SSIS catalog and execute the package on the server.
- Deploy the package to the msdb database.
- Add an Execute SQL task to the event handlers.
- Query the **catalog.execution\_data\_statistics** view.
- Create a new project and add the package to the project.

In the center, there is a vertical blue bar with two circular arrows: a right-pointing arrow above a left-pointing arrow.

On the right, there is a large empty white area for the answer.

**Answer:**

**Explanation:** Ref: <http://msdn.microsoft.com/en-us/library/hh479592.aspx>

**NEW QUESTION 3**

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

**Answer:** B

**NEW QUESTION 4**

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 (dtexecui.exe)
- D. SQL Server dtexec utility (dtexec.exe)

Answer: B

#### NEW QUESTION 5

DRAG DROP

You are editing a SQL Server Integration Services (SSIS) package that contains a task with a sensitive property.

You need to create a project parameter and configure it so that its value is encrypted when it is deployed to the SSIS catalog.

Which three steps 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.)

Select the property to be parameterized and set the scope to <b>Project</b> .	<div>➤</div> <div>➤</div>	
Edit the parameter and set the <b>Sensitive</b> property to <b>True</b> .		
Convert the project to the Legacy Deployment model.		
Select the property to be parameterized and set the scope to <b>Package</b> .		
Right-click the task and choose <b>Parameterize</b> .		
Right-click the task and choose <b>Properties</b> .		

Answer:

Explanation:

Select the property to be parameterized and set the scope to <b>Project</b> .	<div>➤</div> <div>➤</div>	Right-click the task and choose <b>Parameterize</b> .
Edit the parameter and set the <b>Sensitive</b> property to <b>True</b> .		Select the property to be parameterized and set the scope to <b>Package</b> .
Convert the project to the Legacy Deployment model.		
Select the property to be parameterized and set the scope to <b>Package</b> .		Edit the parameter and set the <b>Sensitive</b> property to <b>True</b> .
Right-click the task and choose <b>Parameterize</b> .		
Right-click the task and choose <b>Properties</b> .		

#### NEW QUESTION 6

DRAG DROP

A new SQL Server Integration Services (SSIS) project is deployed to the SSIS catalog.

To troubleshoot some data issues, you must output the data streaming through several data flows into text files for further analysis. You have the list of data flow package paths and identification strings of the various task components that must be analyzed.

You need to create these output files with the least amount of administrative and development effort.

Which three stored procedures should you execute in sequence? (To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.)

catalog.create_folder	<div>➤</div> <div>➤</div>	
catalog.create_execution_dump		
catalog.add_data_tap		
catalog.configure_catalog		
catalog.add_data_tap_by_guid		
catalog.create_execution		
catalog.start_execution		

Answer:



**Explanation:** Ref: [http://msdn.microsoft.com/en-gb/library/hh230989\(v=sql.110\).aspx](http://msdn.microsoft.com/en-gb/library/hh230989(v=sql.110).aspx)

#### NEW QUESTION 7

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.

**Answer:** B

**Explanation:** Reference:

<http://msdn.microsoft.com/en-us/library/ms140246.aspx> [http://msdn.microsoft.com/en-us/library/ms180378\(v=sql.110\).aspx](http://msdn.microsoft.com/en-us/library/ms180378(v=sql.110).aspx)

#### NEW QUESTION 8

You are developing a SQL Server Integration Services (SSIS) project that copies a large amount of rows from a SQL Azure database. The project uses the Package Deployment Model. This project is deployed to SQL Server on a test server.

You need to ensure that the project is deployed to the SSIS catalog on the production server. What should you do?

- A. Open a command prompt and run the dtexec /dumperror /conn command.
- B. Create a reusable custom logging component and use it in the SSIS project.
- C. Open a command prompt and run the gacutil command.
- D. Add an OnError event handler to the SSIS project.
- E. Open a command prompt and execute the package by using the SQL Log provider and running the dtexecui.exe utility.
- F. Open a command prompt and run the dtexec /rep /conn command.
- G. Open a command prompt and run the dtutil /copy command.
- H. Use an msi file to deploy the package on the server.
- 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.

**Answer:** I

**Explanation:** References:

<http://msdn.microsoft.com/en-us/library/hh231102.aspx> <http://msdn.microsoft.com/en-us/library/hh213290.aspx> <http://msdn.microsoft.com/en-us/library/hh213373.aspx>

#### NEW QUESTION 9

You are developing a SQL Server Integration Services (SSIS) package.

To process complex scientific data originating from a SQL Azure database, a custom task component is added to the project.

You need to ensure that the custom component is deployed on a test environment correctly. What should you do?

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

**Answer:** B

**Explanation:** Reference:

<http://msdn.microsoft.com/en-us/library/ms403356.aspx>

#### NEW QUESTION 10

#### DRAG DROP

A SQL Server Integration Services (SSIS) project has been deployed to the SSIS catalog. The project includes a project Connection Manager to connect to the data warehouse.

The SSIS catalog includes two Environments:

? Development

? QA

Each Environment defines a single Environment Variable named **ConnectionString** of type string. The value of each variable consists of the connection string to the development or QA data warehouses. You need to be able to execute deployed packages by using either of the defined Environments.

Which three 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.)

In the deployed project, set the **ConnectionString** property of the Connection Manager to use the **ConnectionString** Environment Variable.

In the deployed package, set the **ConnectionString** property of the Connection Manager to use the **ConnectionString** Environment Variable.

Add the Environment reference to the deployed project.

Deploy the project to the **Development** and **QA** Environments.

Add permissions to the **Development** and **QA** Environments.

Execute the deployed package by using the required Environment.

>

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Answer:

Explanation:

In the deployed project, set the **ConnectionString** property of the Connection Manager to use the **ConnectionString** Environment Variable.

In the deployed package, set the **ConnectionString** property of the Connection Manager to use the **ConnectionString** Environment Variable.

Add the Environment reference to the deployed project.

Deploy the project to the **Development** and **QA** Environments.

Add permissions to the **Development** and **QA** Environments.

Execute the deployed package by using the required Environment.

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Add the Environment reference to the deployed project.

In the deployed project, set the **ConnectionString** property of the Connection Manager to use the **ConnectionString** Environment Variable.

Execute the deployed package by using the required Environment.

#### NEW QUESTION 10

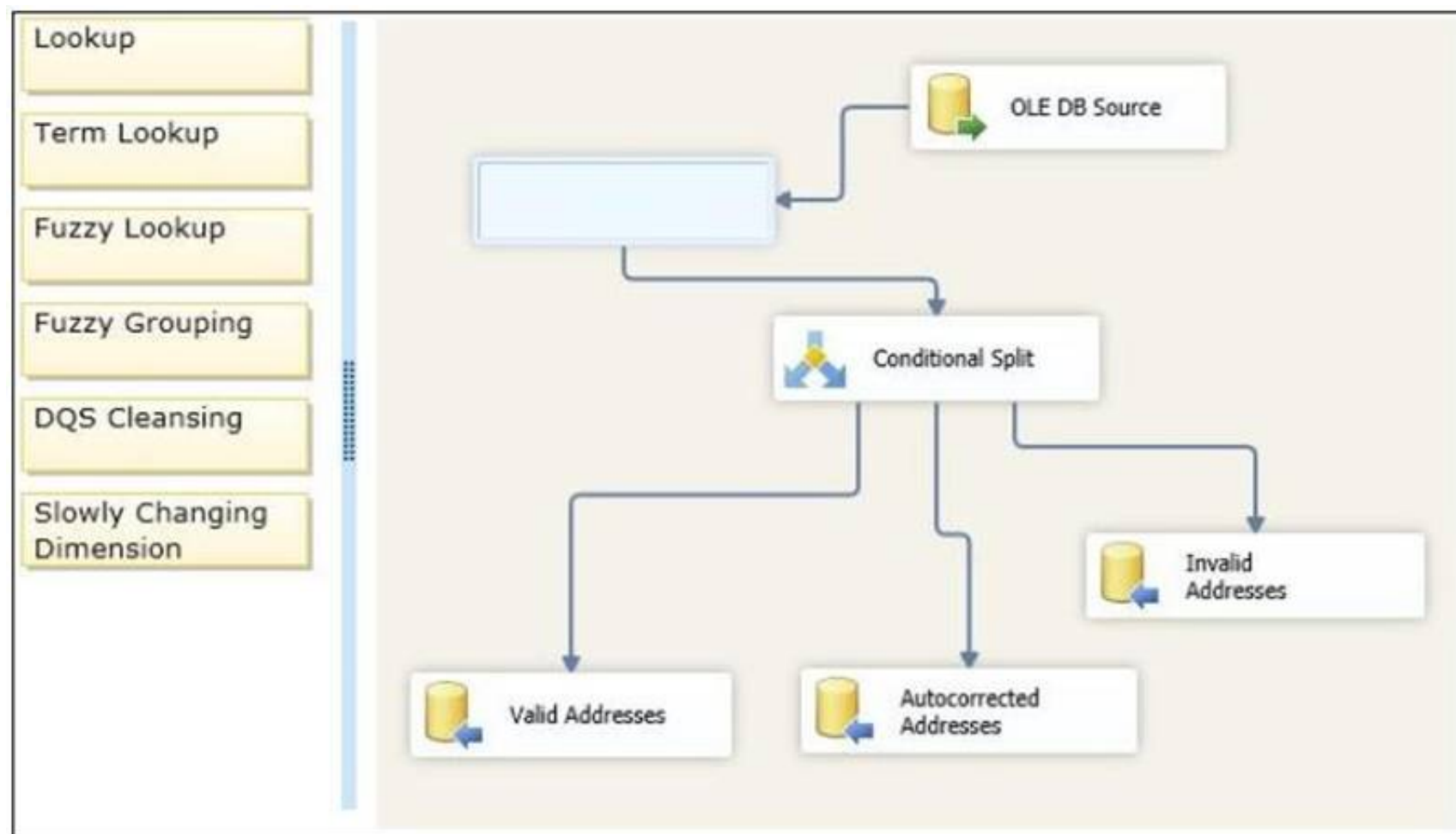
#### DRAG DROP

You use SQL Server Integration Services (SSIS) for extract, transformation, load (ETL) processing. Issues concerning addresses are discovered in the data warehouse that you manage. Validation must separate the addresses into three categories:

Valid addresses Autocorrected addresses Invalid addresses

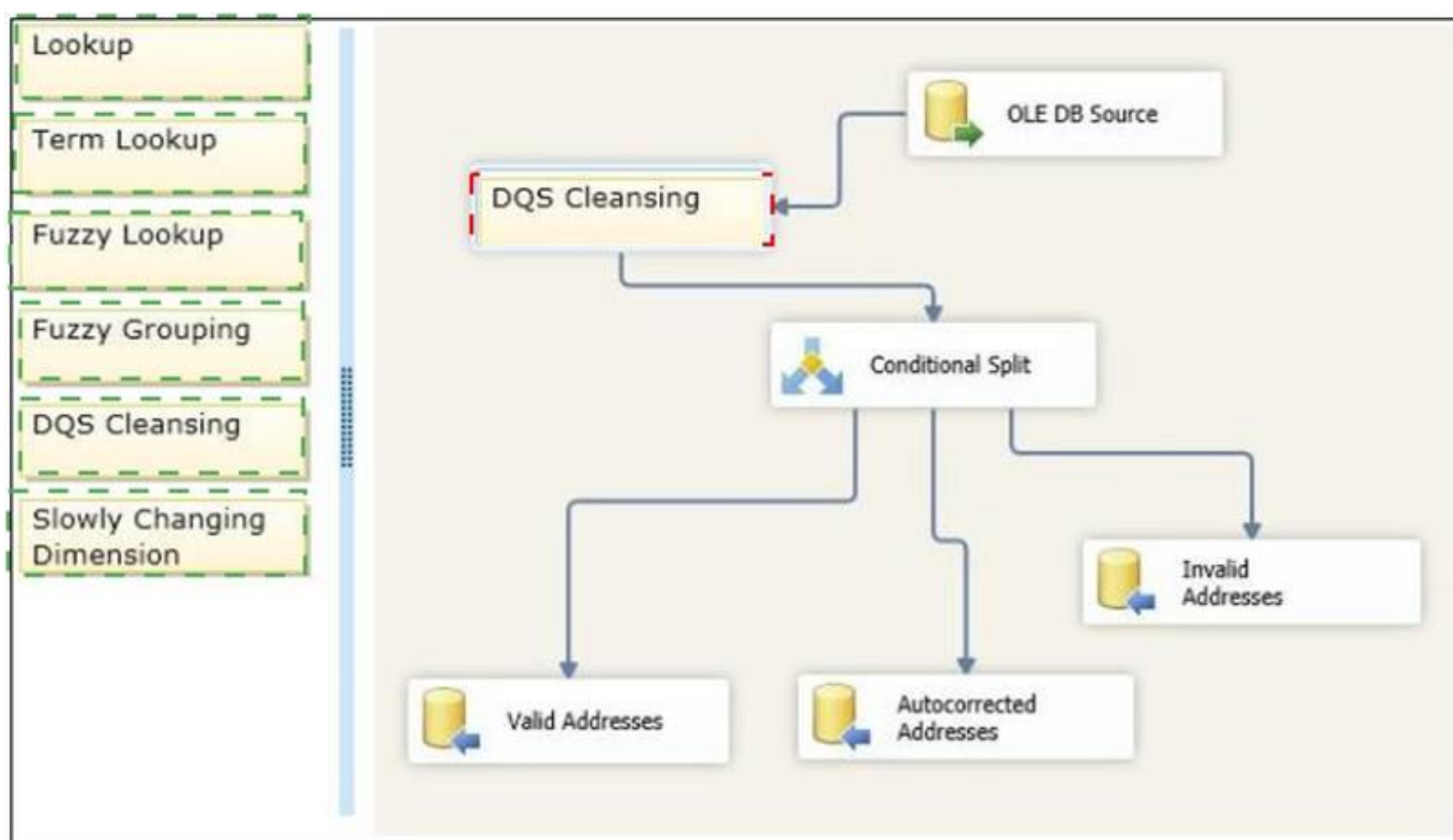
You need to enhance the SSIS packages to perform address validation by using an external service. Which transformation should you use? (To answer, drag the appropriate transformation from the list of options to the correct location or locations in the answer area.)





Answer:

Explanation:



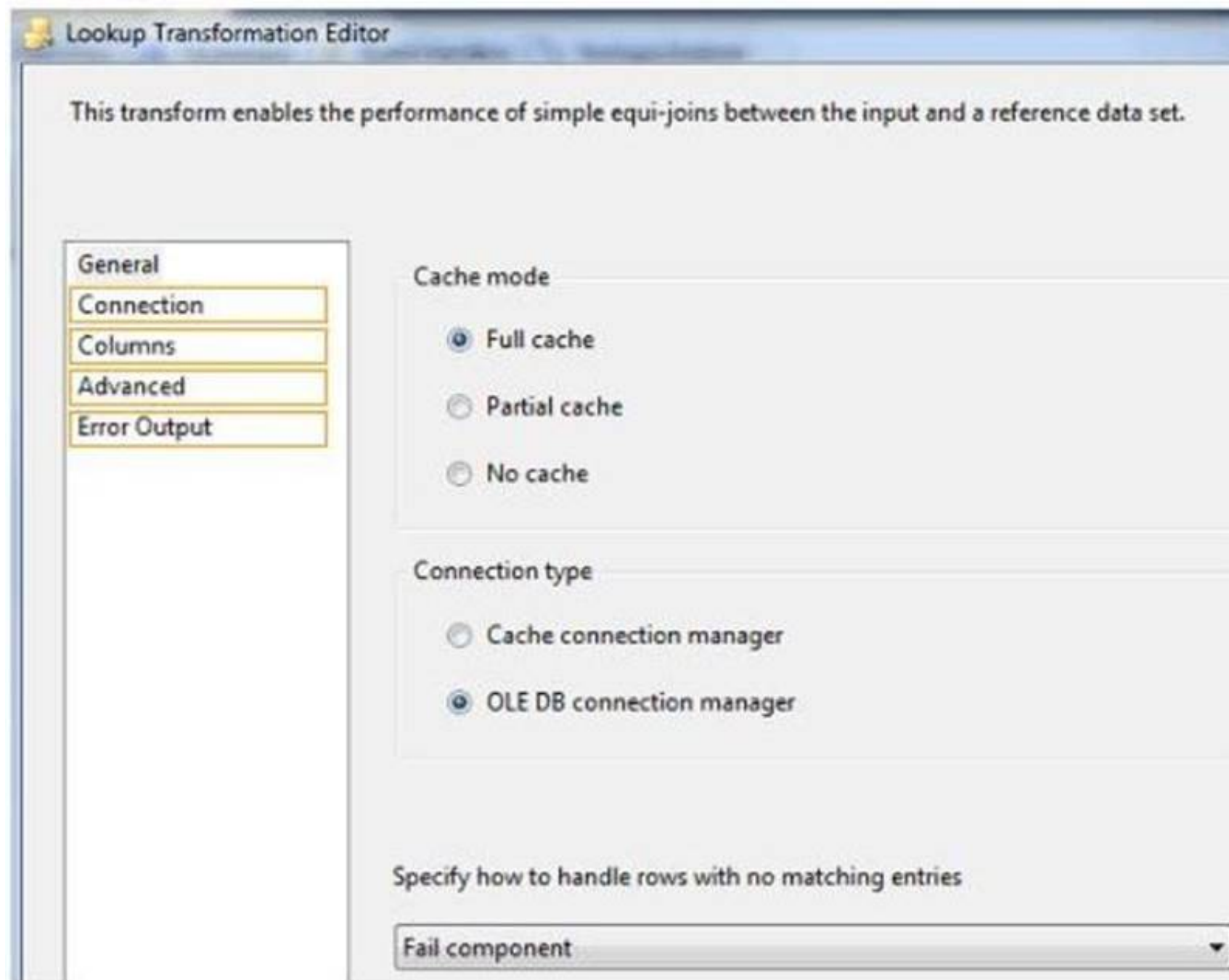
#### NEW QUESTION 14

##### HOTSPOT

You are developing a data flow to load sales data into a fact table. In the data flow, you configure a Lookup Transformation in full cache mode to look up the product data for the sale.

The lookup source for the product data is contained in two tables.

You need to set the data source for the lookup to be a query that combines the two tables. Which page of the Lookup Transformation Editor should you select to configure the query? To answer, select the appropriate page in the answer area.



**Answer:**

**Explanation:** References:

<http://msdn.microsoft.com/en-us/library/ms141821.aspx> <http://msdn.microsoft.com/en-us/library/ms189697.aspx>

#### NEW QUESTION 18

You are developing a SQL Server Integration Services (SSIS) package.

You need to design a package to change a variable value during package execution by using the least amount of development effort.

What should you use?

- A. Expression task
- B. Script task
- C. Execute SQL task
- D. Execute Process task
- E. Term Extraction transformation

**Answer:** A

**Explanation:** Reference:

<http://msdn.microsoft.com/en-us/library/hh213137.aspx>

#### NEW QUESTION 22

You are using SQL Server Data Tools to develop a SQL Server Integration Services (SSIS) project. The first package that you create in this project contains a package connection that accesses a flat file. Additional packages in the project must also access this file.

You need to define and reuse the flat file connection in all project packages. What should you do?

- A. move a table named OLDCUSTOMERS a project Connection Manager.
- B. Copy the package Connection Manager and paste it into the second package.
- C. Convert the project to the Package Deployment model.
- D. Set the ProtectionLevel property of the package Connection Manager to DontSaveSensitive to reuse the flat file connection.

**Answer:** A

#### NEW QUESTION 23

DRAG DROP

A Data Flow task in a SQL Server Integration Services (SSIS) package produces run-time errors. You need to edit the package to log specific error messages.

Which three 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.)

Create an **OnError** event handler for the Data Flow task.

Define an expression for the **ActionAtEvent** property.

Add a Notify Operator task.

Add a WMI Event Watcher task.

In the **ReadOnlyVariables** list, select **System::ErrorDescription** and add conditional logic to invoke the **FireError** method.

Add a Script task.

>

<

**Answer:**

**Explanation:**

Create an **OnError** event handler for the Data Flow task.

Define an expression for the **ActionAtEvent** property.

Add a Notify Operator task.

Add a WMI Event Watcher task.

In the **ReadOnlyVariables** list, select **System::ErrorDescription** and add conditional logic to invoke the **FireError** method.

Add a Script task.

>

<

Create an **OnError** event handler for the Data Flow task.

Add a Script task.

In the **ReadOnlyVariables** list, select **System::ErrorDescription** and add conditional logic to invoke the **FireError** method.

#### NEW QUESTION 27

You are using a SQL Server Integration Services (SSIS) project that is stored in the SSIS catalog. An Environment has been defined in the SSIS catalog. You need to add the Environment to the project. Which stored procedure should you use?

- A. catalog.set\_environment\_reference\_type
- B. catalog.set\_environment\_property
- C. catalog.create\_environment\_reference
- D. catalog.create\_environment

**Answer:** C

#### NEW QUESTION 32

DRAG DROP

You are developing a SQL Server Integration Services (SSIS) package that imports data into a data warehouse. You are developing the part of the SSIS package that populates the ProjectDates dimension table. The business key of the ProjectDates table is the ProjectName column. The business user has given you the dimensional attribute behavior for each of the four columns in the ProjectDates table:

- ExpectedStartDate - New values should be tracked over time.
- ActualStartDate - New values should not be accepted.
- ExpectedEndDate - New values should replace existing values.
- ActualEndDate - New values should be tracked over time. You use the SSIS Slowly Changing Dimension Transformation.

You must configure the Change Type value for each source column.

Which settings should you select? (To answer, select the appropriate setting or settings in the answer area. Each Change Type may be used once, more than once, or not at all.)

Fixed Attribute▼

Changing Attribute▼

Historical Attribute▼

Dimension Columns	Change Type
ExpectedStartDate	<div style="border: 1px solid #ccc; height: 20px; width: 100%;"></div>
ActualStartDate	<div style="border: 1px solid #ccc; height: 20px; width: 100%;"></div>
ExpectedEndDate	<div style="border: 1px solid #ccc; height: 20px; width: 100%;"></div>
ActualEndDate	<div style="border: 1px solid #ccc; height: 20px; width: 100%;"></div>

**Answer:**



**Explanation:** References:

<http://msdn.microsoft.com/en-us/library/ms141715.aspx> <http://msdn.microsoft.com/en-us/library/ms141662.aspx>

**NEW QUESTION 36**

**DRAG DROP**

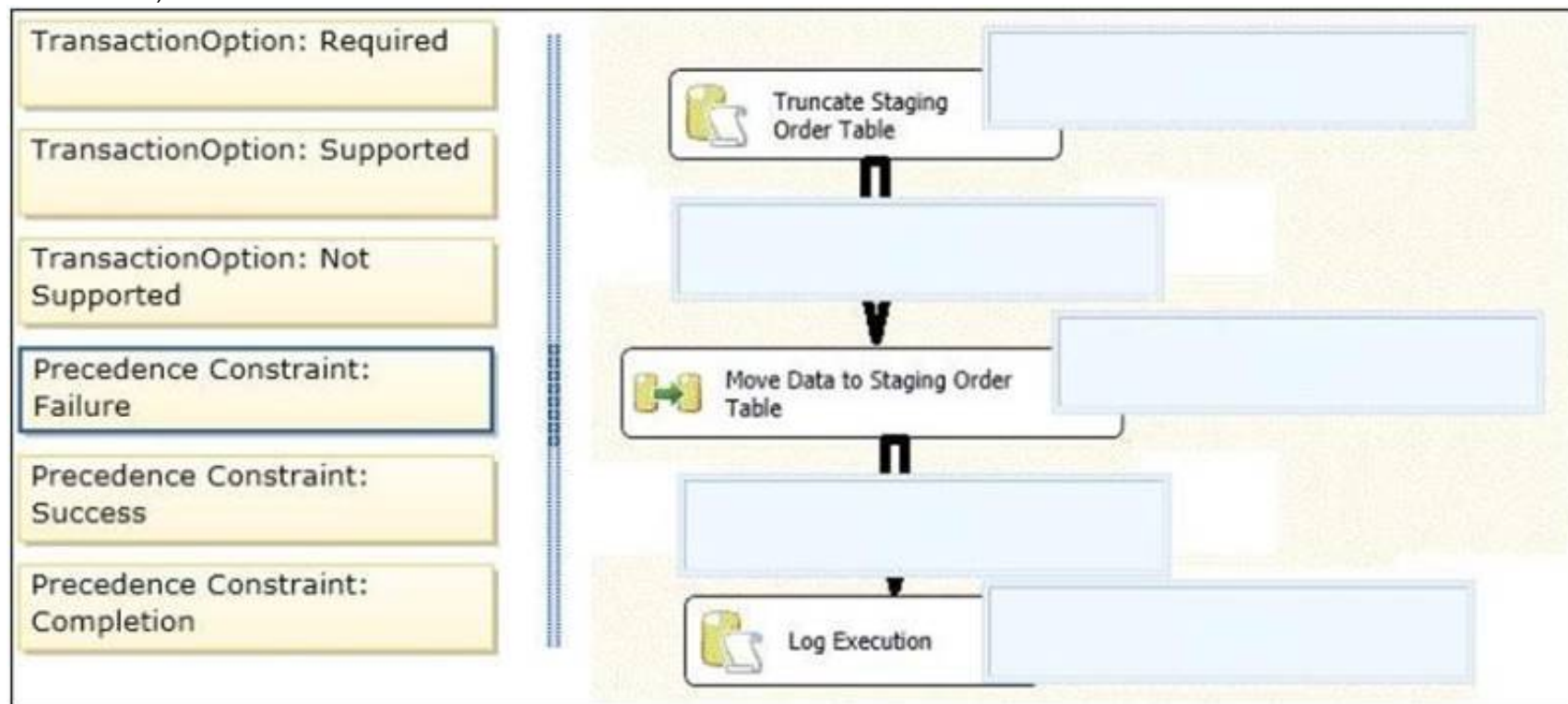
You are designing a SQL Server Integration Services (SSIS) package. The package moves order-related data to a staging table named Order. Every night the staging data is truncated and then all the recent orders from the online store database are inserted into the staging table.

Your package must meet the following requirements:

- If the truncate operation fails, the package execution must stop and report an error.
- If the Data Flow task that moves the data to the staging table fails, the entire refresh operation must be rolled back.
- For auditing purposes, a log entry must be entered in a SQL log table after each execution of the Data Flow task.

The TransactionOption property for the package is set to Required. You need to design the package to meet the requirements.

How should you design the control flow for the package? (To answer, drag the appropriate setting from the list of settings to the correct location or locations in the answer area.)



**Answer:**

**Explanation:** References:

<http://msdn.microsoft.com/en-us/library/ms137690.aspx> <http://msdn.microsoft.com/en-us/library/ms141144.aspx>

**NEW QUESTION 38**

You are developing a SQL Server Integration Services (SSIS) package that imports data into a data warehouse hosted on SQL Azure.

The package uses a Foreach container to process text files found in a folder. The package must be deployed to a single server by using the Project Deployment model.

Multiple SQL Server Agent jobs call the package. Each job is executed on a different schedule. Each job passes a different folder path to the package.

You need to configure the package to accept the folder path from each job. Which package configuration should you use?

- A. .dtsConfig file
- B. Registry Entry
- C. Environment Variable
- D. Parent Package Variable
- E. XML Configuration File

**Answer:** C

**Explanation:** Reference:

<http://msdn.microsoft.com/en-us/library/ms345179.aspx> <http://msdn.microsoft.com/en-us/library/ms141708.aspx> <http://msdn.microsoft.com/en-us/library/hh213214.aspx> <http://msdn.microsoft.com/en-us/library/hh213296.aspx> <http://msdn.microsoft.com/en-us/library/hh213293.aspx>

**NEW QUESTION 39**

You are developing a SQL Server Integration Services (SSIS) package that imports data from a relational database to a data warehouse.

You are importing data from a relational table named Projects. The table has change data capture enabled on all columns.

You need to process only the most recent values from rows that have been inserted or updated since the previous execution of the package.

Which query should you use as the data source?

- A. `SELECT * FROM cdc.fn_cdc_get_all_changes_Projects (@from_Isn, @to_Isn, N 'all ')`
- B. `SELECT * FROM cdc.fn_cdc_get_all_changes_Projects (@from_Isn, @to_Isn, N 'all update old ')`
- C. `SELECT * FROM cdc.Projects_CT WHERE @from_Isn >= _$start_Isn AND @to_Isn < _$start_Isn`
- D. `SELECT * FROM cdc.fn_cdc_get_net_changes_Projects (@from_Isn, @to_Isn)`

- A. Option A  
B. Option B  
C. Option C  
D. Option D

**Answer: D**

**Explanation:**

Reference: <http://msdn.microsoft.com/en-us/library/bb522511.aspx> Reference: <http://msdn.microsoft.com/en-us/library/bb510627.aspx> Reference: <http://msdn.microsoft.com/en-us/library/cc645937.aspx>

**NEW QUESTION 44**

You are developing a SQL Server Integration Services (SSIS) package to load data into a data warehouse.



You need to establish the correct order for loading each table to maximize parallel processing. Which order should you use?

- A.
1. DimCurrency, DimScenario, DimAccount in parallel
  2. DimOrganization
  3. FactFinance
- B.

A. DimCurrency, DimOrganization in parallel2. DimScenario, DimAccount in parallel3. FactFinance C.1. DimCurrency, FactFinance in parallel2. DimOrganization, DimScenario, DimAccount in parallel D.1. FactFinance2. DimOrganization, DimScenario, DimAccount in parallel3. DimCurrency E.1. DimCurrency2. DimOrganization3. DimScenario, DimAccount in parallel4. FactFinance

**Answer: A**

**Explanation:** References:

<http://msdn.microsoft.com/en-us/library/ms139892.aspx> <http://msdn.microsoft.com/en-us/library/ms141261.aspx>

**NEW QUESTION 47**

You are designing a SQL Server Integration Services (SSIS) package that uploads a file to a table named Orders in a SQL Azure database.

The company's auditing policies have the following requirements:

- An entry must be written to a dedicated SQL Server log table named OrderLog.
- The entry must be written as soon as the file upload task completes. You need to meet the company's policy requirements.

Which event handler should you use?

- A. OnPostExecute
- B. OnWarning
- C. OnExecStatusChanged
- D. OnVariableValueChanged

**Answer:** A

**Explanation:** Reference: <http://msdn.microsoft.com/en-us/library/ms140223.aspx>

#### NEW QUESTION 52

##### DRAG DROP

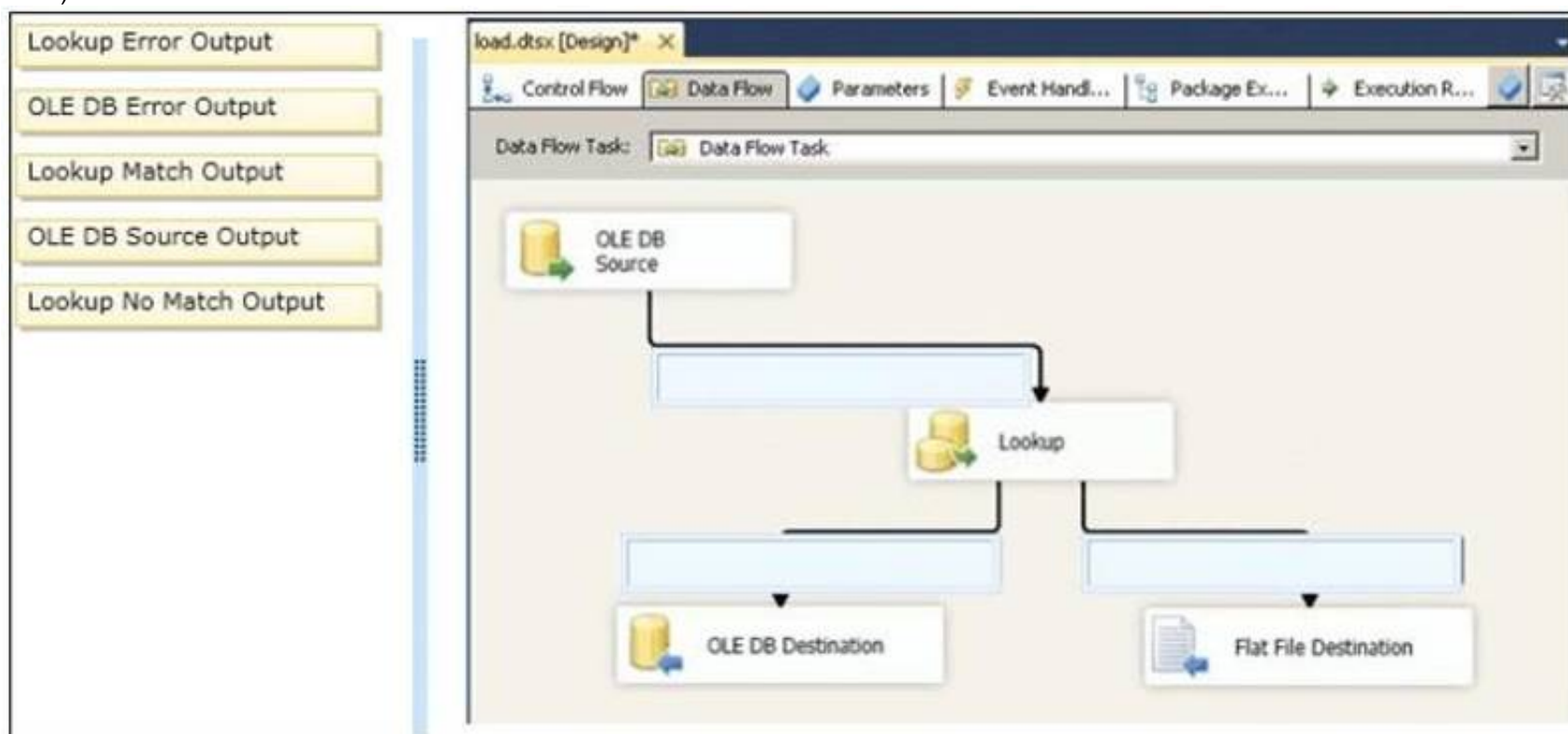
You are developing a SQL Server Integration Services (SSIS) package to insert new data into a data mart. The package uses a Lookup transformation to find matches between the source and destination.

The data flow has the following requirements:

- New rows must be inserted.
- Lookup failures must be written to a flat file.

In the Lookup transformation, the setting for rows with no matching entries is set to Redirect rows to no match output. You need to configure the package to direct data into the correct destinations.

How should you design the data flow outputs? (To answer, drag the appropriate transformation from the list of answer options to the correct location in the answer area.)



**Answer:**

**Explanation:** Records that have no match in the destination are new records and so should be inserted. Any errors should be recorded in the flat file.

References:

<http://msdn.microsoft.com/en-us/library/ms141821.aspx> <http://msdn.microsoft.com/en-us/library/bb895366.aspx>  
<https://www.simple-talk.com/sql/ssis/implementing-lookup-logic-in-sql-server-integration-services/>

#### NEW QUESTION 57

You are installing the Data Quality Client on user desktops.

You need to ensure that the prerequisite software components are installed.

Which components must be present to meet this goal? (Each correct answer presents part of the solution. Choose all that apply.)

- A. SQL Server Management Studio
- B. Internet Explorer 6.0 SP1 or later
- C. Microsoft Silverlight 5
- D. .NET Framework 3.5 SP1
- E. .NET Framework 4.0
- F. Microsoft Silverlight 4
- G. SQL Server Data Tools

**Answer:** BE

**Explanation:** Before installing DQS, make sure that your computer meets the minimum system requirements. Data Quality Client requirement: .NET Framework 4.0 (installed during the Data Quality Client installation, if not already installed) Internet Explorer 6.0 SP1 or later

#### NEW QUESTION 60

You are creating a SQL Server Master Data Services (MDS) model. This model is used to store a master list of products.

An attribute must be added to the Product entity to define the sales manager responsible for each product.

You need to create an attribute in the Product entity that prevents users from entering invalid sales manager values.

Which type of attribute should you create?



- A. Recursive
- B. Explicit
- C. Domain-based
- D. User-defined
- E. Derived
- F. Parent

**Answer:** C

**Explanation:** References:

<http://msdn.microsoft.com/en-us/library/bb190163.aspx> <http://msdn.microsoft.com/en-us/library/ee633737.aspx> <http://msdn.microsoft.com/en-us/library/ee633759.aspx> <http://msdn.microsoft.com/en-us/library/ee633745.aspx> <http://msdn.microsoft.com/en-us/library/ee633724.aspx> <http://msdn.microsoft.com/en-us/library/ee633733.aspx> <http://msdn.microsoft.com/en-us/library/ff487058.aspx>

#### NEW QUESTION 64

You are completing the installation of the Data Quality Server component of SQL Server Data Quality Services (DQS).

You need to complete the post-installation configuration. What should you do?

- A. Run the DQSInstaller.exe command.
- B. Install the data providers that are used for data refresh.
- C. Install ADOMD.NET.
- D. Run the dbimpexp.exe command.

**Answer:** A

**Explanation:** References:

<http://msdn.microsoft.com/en-us/library/ff877917.aspx> <http://msdn.microsoft.com/en-us/library/gg492277.aspx>

#### NEW QUESTION 66

You are maintaining a Data Quality Services (DQS) environment. The production server failed and a new server has been set up. The DQS databases are restored to a new server. All the appropriate permissions are granted.

DQS users are experiencing issues connecting to the new Data Quality Server.

You need to enable users to connect to the new server.

Which Surface Area Configuration property should you enable?

- A. AdHocRemoteQueriesEnabled
- B. SoapEndpointsEnabled
- C. CrlIntegrationEnabled
- D. RemoteDacEnabled
- E. OleAutomationEnabled
- F. XpCmdShellEnabled

**Answer:** C

#### NEW QUESTION 67

Occasionally a job that executes an existing SQL Server Integration Services (SSIS) package does not complete and nothing is processed.

You need to ensure that package logging occurs. Your solution must minimize deployment and development efforts.

What should you do?

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

**Answer:** J

**Explanation:** References:

<http://msdn.microsoft.com/en-us/library/ms140246.aspx> <http://msdn.microsoft.com/en-us/library/hh231187.aspx>

#### NEW QUESTION 72

You are writing a SQL Server Integration Services (SSIS) package that transfers data from a legacy system.

Data integrity in the legacy system is very poor. Invalid rows are discarded by the package but must be logged to a CSV file for auditing purposes.

You need to establish the best technique to log these invalid rows while minimizing the amount of development effort.

What should you do?

- A. Add a data tap on the output of a component in the package data flow.
- B. Deploy the package by using an msi file.
- C. Run the package by using the dtexecui.exe utility and the SQL Log provider.

- D. uses the dtutil /copy command.
- E. Deploy the package to the Integration Services catalog by using dtutil and use SQL Server to store the configuration.
- F. Create an OnError event handler.
- G. uses the Project Deployment Wizard.
- H. Use the gacutil command.
- I. Create a reusable custom logging component.
- J. Run the package by using the dtexec /rep /conn command.
- K. Run the package by using the dtexec /dumperror /conn command.

**Answer:** A

**Explanation:** Reference:

<http://www.rafael-salas.com/2012/01/ssis-2012-quick-peek-to-data-taps.html> <http://msdn.microsoft.com/en-us/library/hh230989.aspx> <http://msdn.microsoft.com/en-us/library/jj655339.aspx>

#### NEW QUESTION 75

You are deploying a new SQL Server Integration Services (SSIS) project to the test environment. A package in the project uses a custom task component. You need to ensure that the custom object is deployed on the test environment correctly. What should you do?

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

**Answer:** D

**Explanation:** Reference:

<http://msdn.microsoft.com/en-us/library/ms403356.aspx>

#### NEW QUESTION 78

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

**Answer:** J

**Explanation:** References:

<http://msdn.microsoft.com/en-us/library/ms140246.aspx> [http://msdn.microsoft.com/en-us/library/ms180378\(v=sql.110\).aspx](http://msdn.microsoft.com/en-us/library/ms180378(v=sql.110).aspx)

#### NEW QUESTION 83

You are installing SQL Server Data Quality Services (DQS).

You need to give specific users access to the Data Quality Server. Which SQL Server application should you use?

- A. SQL Server Configuration Manager
- B. SQL Server Data Tools
- C. SQL Server Management Studio
- D. Data Quality Client

**Answer:** C

**Explanation:** Ref: <http://msdn.microsoft.com/en-us/library/hh213045.aspx>

**NEW QUESTION 86**

You manage a SQL Server Master Data Services (MDS) environment.

A new application requires access to the product data that is available in the MDS repository. You need to design a solution that gives the application access to the product data with the least amount of development effort.

What should you do?

- A. Use sp\_addlinkedserver to add a linked server to access the MDS database tables directly.
- B. Create an OLE DB connection string that sets the Provider property to MDS.
- C. Use transactional replication for data synchronization.
- D. Create a Subscription View in MD

**Answer: D**

**NEW QUESTION 90**

You are completing the installation of the Data Quality Server component of SQL Server Data Quality Services (DQS).

You need to complete the post-installation configuration. What should you do?

- A. Install the Analysis Services OLE DB Provider.
- B. Make the data available for DQS operations.
- C. Run the Data Quality Server Installer.
- D. Install ADOMD.NE

**Answer: C**

**Explanation:** References:

<http://msdn.microsoft.com/en-us/library/ff877917.aspx> <http://msdn.microsoft.com/en-us/library/gg492277.aspx>

**NEW QUESTION 94**

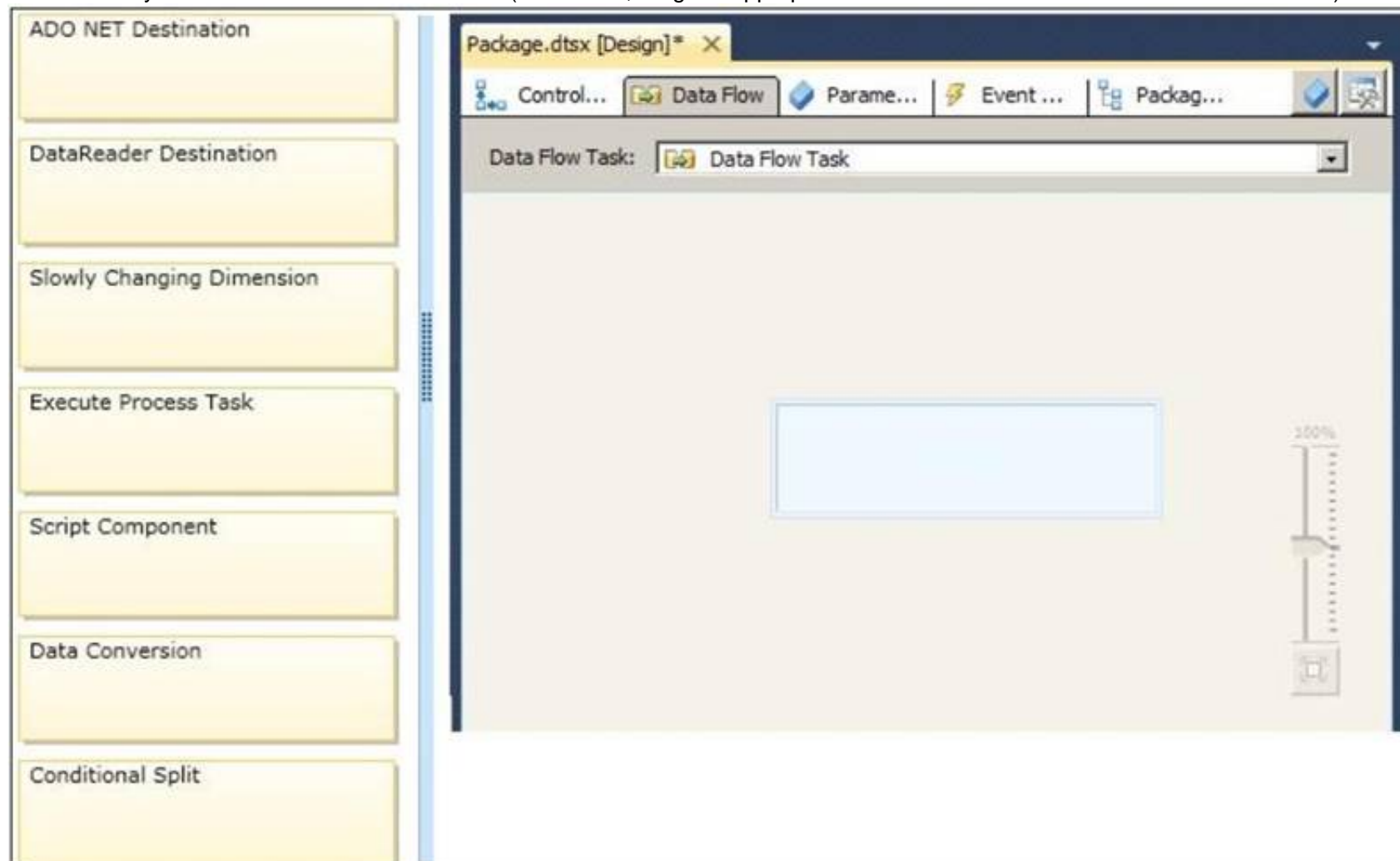
DRAG DROP

You are developing a SQL Server Integration Services (SSIS) package.

The package uses custom functionality that accesses a SQL Server database. The custom functionality must be implemented by using Language Integrated Query (LINQ).

You need to ensure that the LINQ code can be debugged at design time.

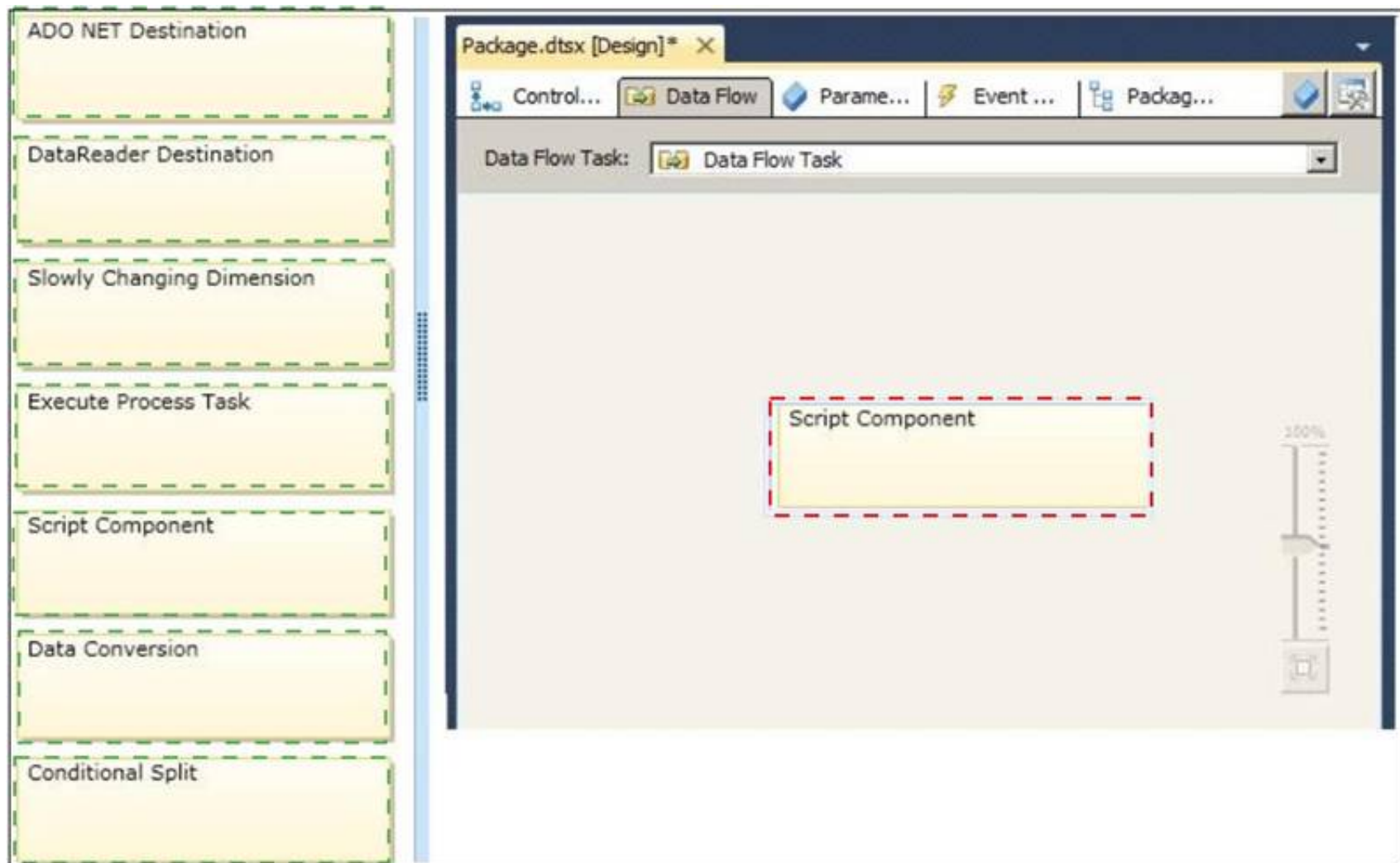
What should you select from the SSIS Toolbox? (To answer, drag the appropriate item to the correct location in the answer area.)



**Answer:**

**Explanation:**





#### NEW QUESTION 98

You are developing a SQL Server Integration Services (SSIS) package that imports data into a data warehouse.

You add an Execute SQL task to the control flow. The task must execute a simple INSERT statement. The task has the following requirements:

- The INSERT statement must use the value of a string package variable. The variable name is StringVar.
- The Execute SQL task must use an OLE DB Connection Manager.

In the Parameter Mapping tab of the Execute SQL task, StringVar has been added as the only parameter.

You must configure the SQLStatement property of the Execute SQL task. Which SQL statement should you use?

- A. INSERT INTO dbo.Table (variablevalue) VALUES (@StringVar)
- B. INSERT INTO dbo.Table (variablevalue) VALUES (\$Project::StringVar)
- C. INSERT INTO dbo.Table (variablevalue) VALUES (?)
- D. INSERT INTO dbo.Table (variablevalue) VALUES (\$Package::StringVar)

**Answer: C**

#### NEW QUESTION 102

You are developing a SQL Server Integration Services (SSIS) package that imports data into a data warehouse hosted on SQL Azure.

The package uses a Foreach container to process text files found in a folder. The package must be deployed to a single server by using the Project Deployment model.

Multiple SQL Server Agent jobs call the package. Each job is executed on a different schedule.

Each job passes a different folder path to the package.

You need to configure the package to accept the folder path from each job. Which package configuration should you use?

- A. Parent Package Variable
- B. XML Configuration File
- C. Environment Variable
- D. .dtsConfig file
- E. Registry Entry

**Answer: C**

#### NEW QUESTION 107

DRAG DROP

You are editing a SQL Server Integration Services (SSIS) package that uses checkpoints. The package performs the following steps:

1. Download a sales transaction file by using FTP.
2. Truncate a staging table.
3. Load the contents of the file to the staging table.
4. Merge the data with another data source for loading to a data warehouse.



The checkpoints are currently working such that if any of the four steps fail, the package will restart from the failed step the next time it executes. You need to modify the package to ensure that if either the Truncate Staging Table or the Load Sales to Staging task fails, the package will always restart from the Truncate Staging Table task the next time the package runs. Which three steps 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.)

Set the **DelayValidation** property of the container to **True**.

Set the **ForceExecutionResult** property of the **Truncate Staging Table** task to **Success**.

Create a task to delete the checkpoint file if the **Truncate Staging Table** task fails.

Set the **FailPackageOnFailure** property of the container to **True**.

Move the **Truncate Staging Table** and **Load Sales to Staging** tasks to a new Sequence container and set their **FailParentOnFailure** properties to **True**.

Set the **ForceExecutionResult** property of the **Truncate Staging Table** task to **Completion**.

Open the Data Flow page.

Open the SSIS Toolbox.

Answer:

Explanation:

Set the **DelayValidation** property of the container to **True**.

Set the **ForceExecutionResult** property of the **Truncate Staging Table** task to **Success**.

Create a task to delete the checkpoint file if the **Truncate Staging Table** task fails.

Set the **FailPackageOnFailure** property of the container to **True**.

Move the **Truncate Staging Table** and **Load Sales to Staging** tasks to a new Sequence container and set their **FailParentOnFailure** properties to **True**.

Set the **ForceExecutionResult** property of the **Truncate Staging Table** task to **Completion**.

Open the Data Flow page.

Open the SSIS Toolbox.

Open the SSIS Toolbox.

Move the **Truncate Staging Table** and **Load Sales to Staging** tasks to a new Sequence container and set their **FailParentOnFailure** properties to **True**.

Set the **FailPackageOnFailure** property of the container to **True**.

#### NEW QUESTION 109

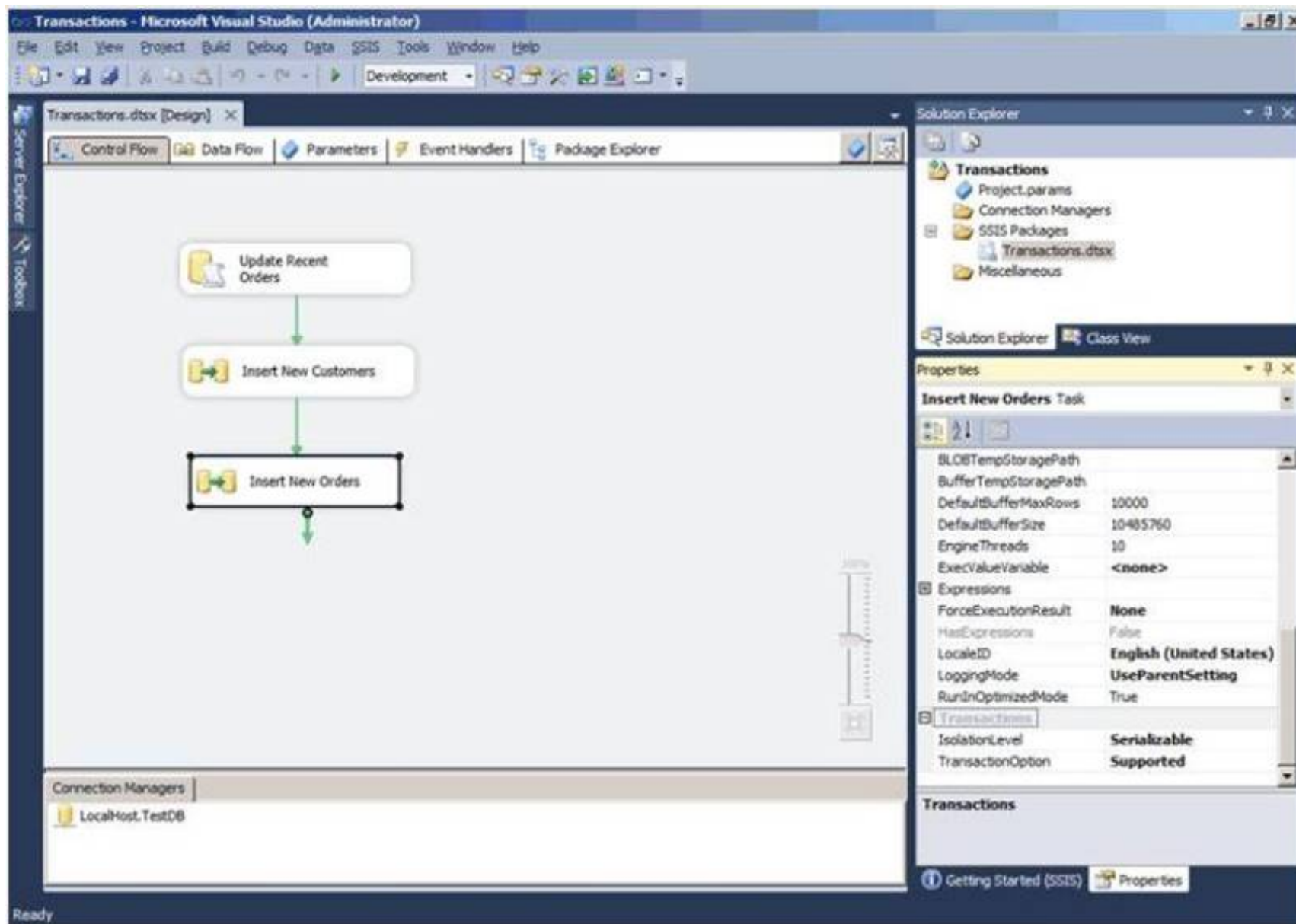
##### HOTSPOT

You are designing a package control flow. The package moves sales order data from a SQL Azure transactional database to an on-premise reporting database. The package will run several times a day, while new sales orders are being added to the transactional database. The current design of the package control flow is shown in the answer area. (Click the Exhibit button.)

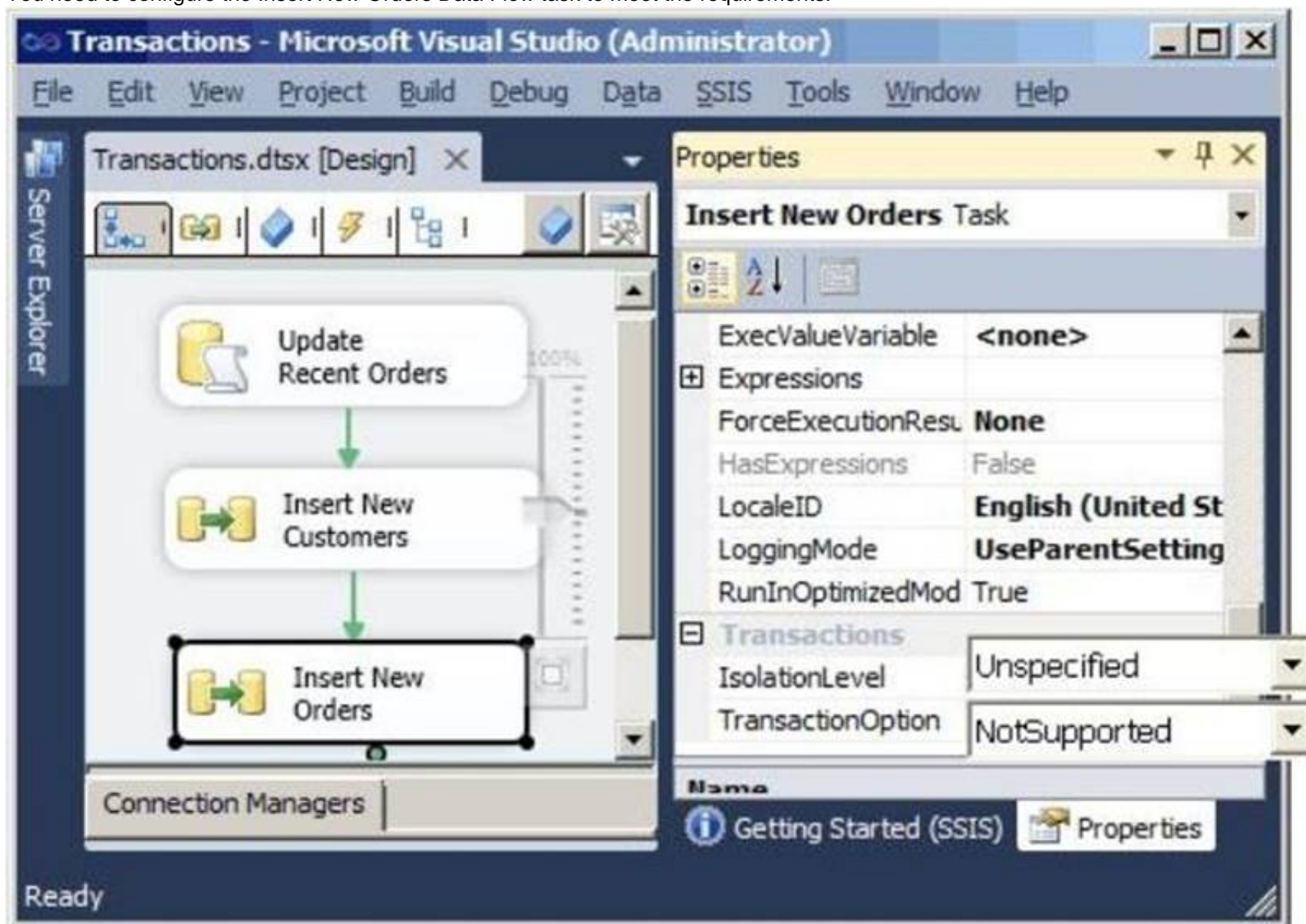
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The Insert New Orders Data Flow task must meet the following requirements: Usage of the tempdb database should not be impacted. Concurrency should be maximized, while only reading committed transactions. If the task fails, only that task needs to be rolled back. You need to configure the Insert New Orders Data Flow task to meet the requirements.



How should you configure the transaction properties? To answer, select the appropriate setting or settings in the answer area.

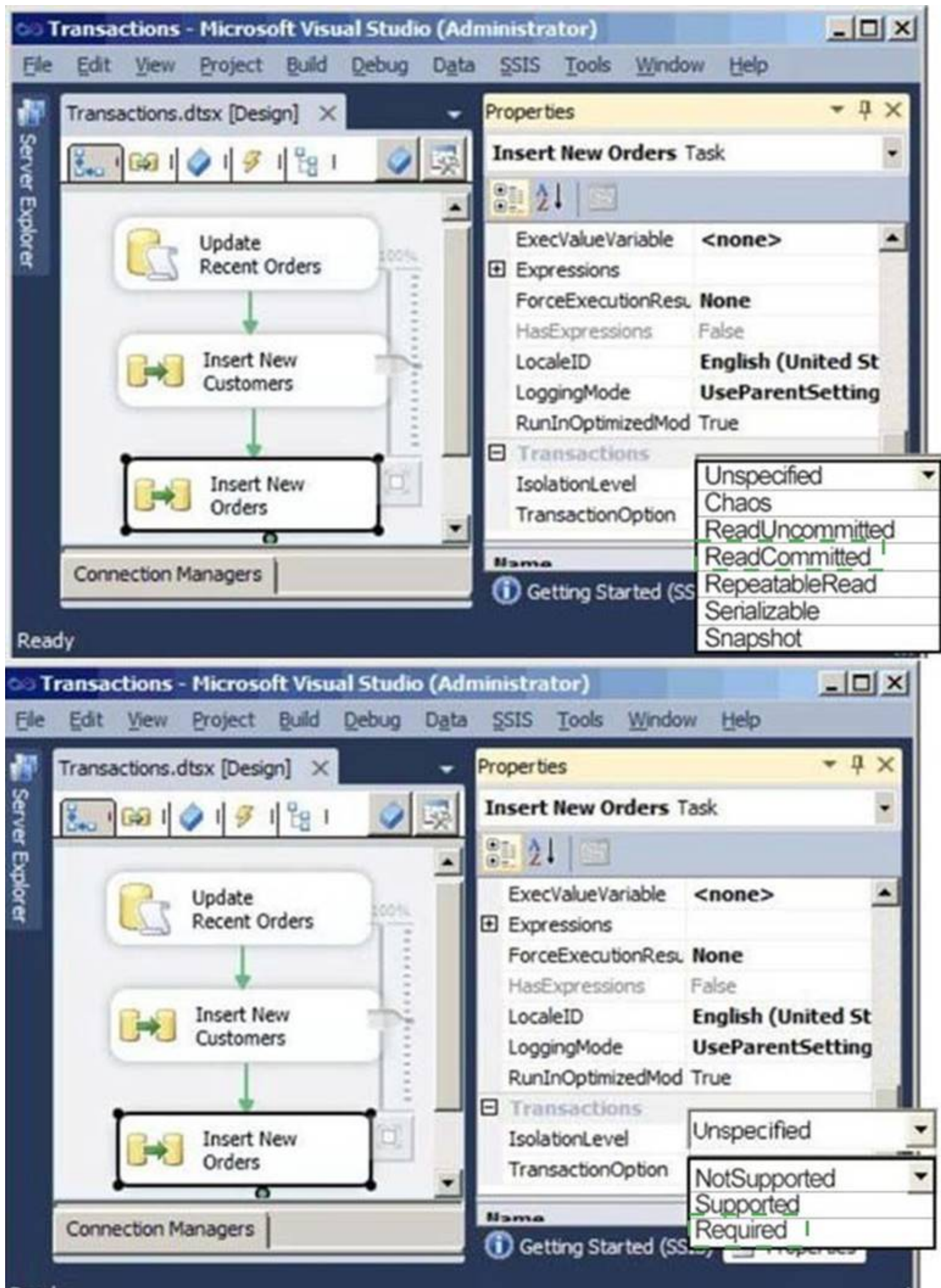




Answer:

Explanation:





#### NEW QUESTION 114

##### DRAG DROP

You are building a fact table in a data warehouse.

The table must have a columnstore index. The table cannot be partitioned. You need to design the fact table and load it with data.

Which three 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.)



Enable xVelocity on the server.	<div> <div>&gt;</div> <div>&lt;</div> </div>
Create the columnstore index.	
Load the data.	
Create the table.	
Set the <b>Allow Snapshot Isolation</b> database property to <b>True</b> .	

**Answer:**

**Explanation:**

Enable xVelocity on the server.	<div> <div>&gt;</div> <div>&lt;</div> </div>	Create the table.
Create the columnstore index.		
Load the data.		Load the data.
Create the table.		
Set the <b>Allow Snapshot Isolation</b> database property to <b>True</b> .		Create the columnstore index.

### NEW QUESTION 115

#### DRAG DROP

You are creating a sales data warehouse. When a product exists in the product dimension, you update the product name. When a product does not exist, you insert a new record.

In the current implementation, the DimProduct table must be scanned twice, once for the insert and again for the update. As a result, inserts and updates to the DimProduct table take longer than expected.

You need to create a solution that uses a single command to perform an update and an insert.

How should you use a MERGE T-SQL statement to accomplish this goal? (To answer, drag the appropriate answer choice from the list of options to the correct location or locations in the answer area. You may need to drag the split bar between panes or scroll to view content.)

Source
Target
Product
Inserted
MATCHED THEN
NOT MATCHED BY TARGET THEN
NOT MATCHED BY PRODUCT AND (Target.ProductID is NULL) THEN
MATCHED AND (Target.ProductID is NULL) THEN

```

MERGE dbo.DimProduct AS 
USING (SELECT ProductID, ProductName, ProductColor, ProductCategory
FROM dbo.StagingProduct) AS 
ON (Target.ProductID = Source.ProductID)
WHEN 
UPDATE SET Target.ProductName = Source.ProductName
WHEN 
INSERT (ProductID, ProductName, ProductColor, ProductCategory)
VALUES (Source.ProductID, Source.ProductName, Source.ProductColor, Source.ProductCategory)
OUTPUT $action, Inserted.*, Deleted.*;
    
```

**Answer:**

**Explanation:** References:

<http://msdn.microsoft.com/en-us/library/bb510625.aspx> <http://msdn.microsoft.com/en-us/library/cc280522.aspx>

### NEW QUESTION 117

You are designing a data warehouse for a fresh food distribution business that stores sales by individual product. It stores sales targets by product category. Products are classified into subcategories and categories.

Each product is included in only a single product 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 product
- factProductTarget, used to record the monthly sales targets by product category

Reports must be developed against the warehouse that reports product sales by product, category and subcategory, and product sales targets. You need to design the product dimension. The solution should use as few tables as possible while supporting all the requirements. What should you do?

- Create two product tables, dimProduct and dimProductCategory
- Connect factSales to dimProduct and factProductTarget to dimProductCategory with foreign key constraint
- Direct the cube developer to use key granularity attributes.
- Create one product table, dimProduct, which contains product detail, category, and subcategory column
- Connect factSales to dimProduct with a foreign key constrain
- Direct the cube developer to use a non-key granularity attribute for factProductTarget.
- Create three product tables, dimProduct, dimProductCategory, and dimProductSubcategory, and a fourth bridge table that joins products to their appropriate category and subcategory table records with foreign key constraint
- Direct the cube developer to use key granularity attributes.
- Create three product tables, dimProduct, dimProductCategory, and dimProductSubcategory
- Connect factSales to all three product tables and connect factProductTarget to dimProductCategory with foreign key constraint
- Direct the cube developer to use key granularity attributes.

**Answer: B**

#### NEW QUESTION 122

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

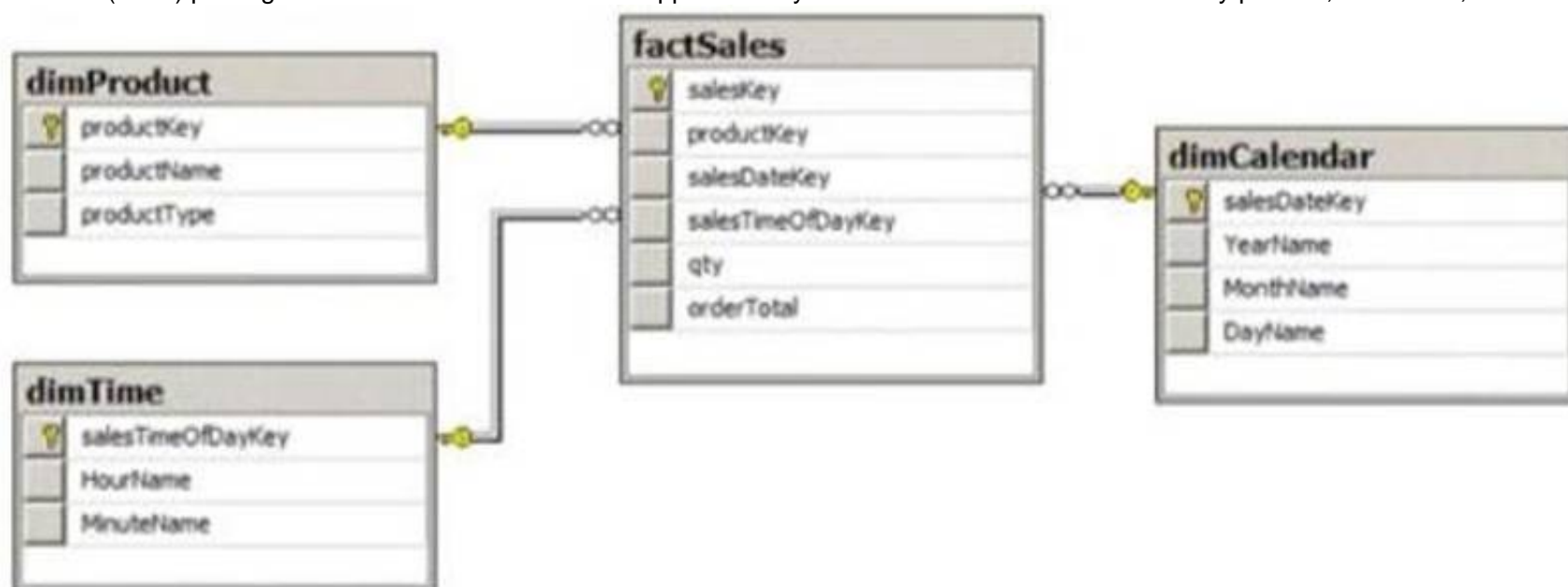
- Add CurrentValue and PreviousValue columns to the student dimension.
- Enable Snapshot Isolation on the data warehouse.
- Add an IsCurrent column to the student dimension.
- Add StartDate and EndDate columns to the student dimension.

**Answer: D**

**Explanation:** Adding a start and end date will give you this ability as when a record is inserted and given a start and end date, you'll have the ability to determine when they were active therefore giving you a retention of historical changes

#### NEW QUESTION 126

You are reviewing the design of an existing fact table named factSales, which is loaded incrementally from a SQL Azure database by a SQL Server Integration Services (SSIS) package each hour. The fact table has approximately 4 billion rows and is dimensioned by product, sales date, and sales time of day.



The database administrator is concerned about the rapid growth of the database and users experience 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?

- Create an indexed view over the fact table to sum orderTotal by month.
- Create a view over the fact table to sum orderTotal by month.
- Change the granularity of the fact table to month.
- Partition the fact table by productKe

**Answer: C**

#### NEW QUESTION 130

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?

- Create a conformed dimension for the geography dimension.

- B. Implement change tracking.
- C. Create a degenerate dimension for the geography dimension.
- D. Create a Type 2 slowly changing dimension for the geography dimension.

**Answer:** A

#### NEW QUESTION 134

You are adding a new capability to several dozen SQL Server Integration Services (SSIS) packages. The new capability is not available as an SSIS task. Each package must be extended with the same new capability. You need to add the new capability to all the packages without copying the code between packages. What should you do?

- A. Use the Expression task.
- B. Use the Script task.
- C. Develop a custom task.
- D. Use the Script component.
- E. Develop a custom component.

**Answer:** C

**Explanation:** References:

<http://msdn.microsoft.com/en-us/library/ms135965.aspx> <http://msdn.microsoft.com/en-us/library/ms345161.aspx>

#### NEW QUESTION 136

You are creating a SQL Server Integration Services (SSIS) package to retrieve product data from two different sources. One source is hosted in a SQL Azure database. Each source contains products for different distributors.

Products for each distributor source must be combined for insertion into a single product table destination.

You need to select the appropriate data flow transformation to meet this requirement.

Which transformation types should you use? (Each answer represents a complete solution. Choose all that apply.)

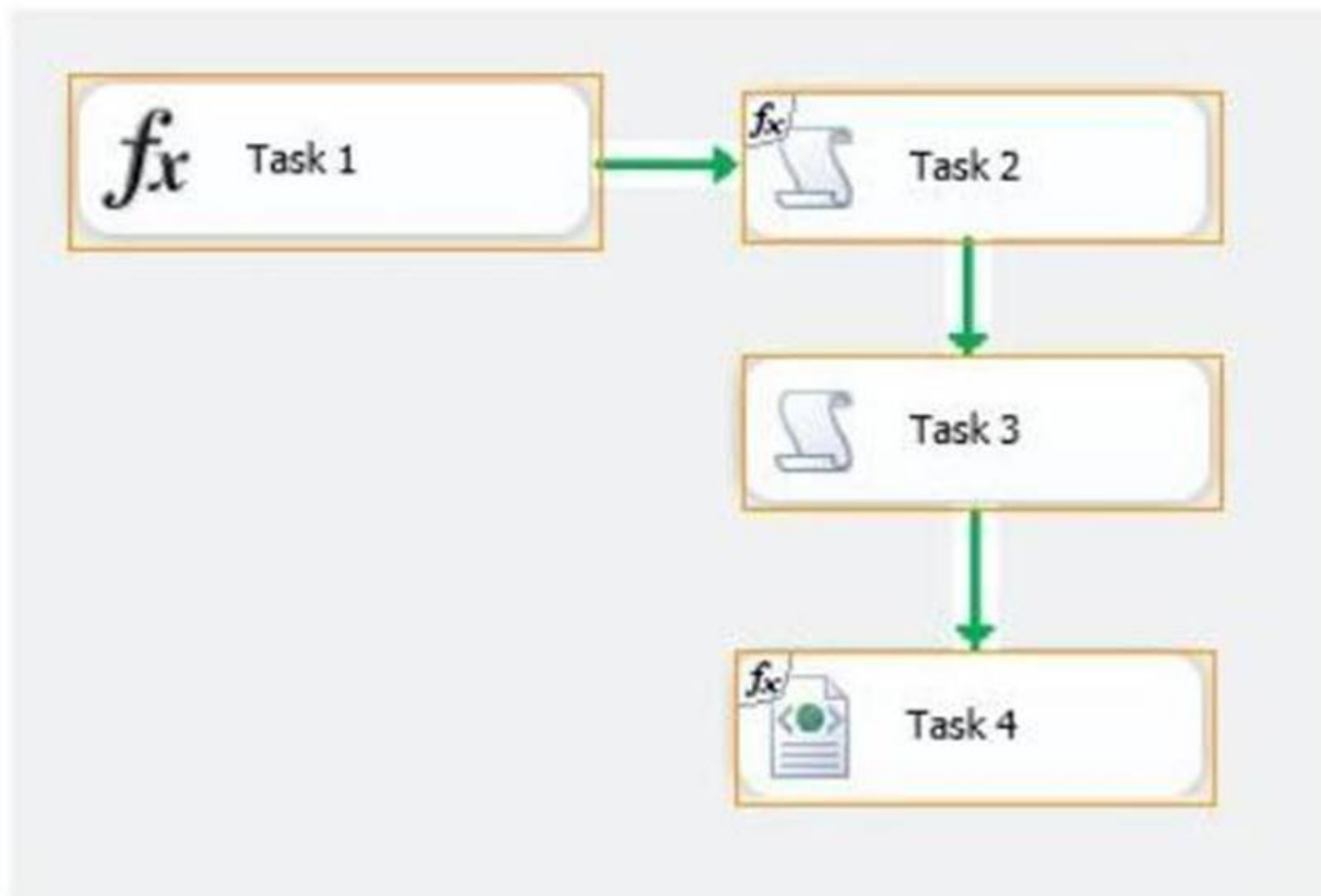
- A. Slowly Changing Dimension
- B. pivot
- C. Lookup
- D. Union All
- E. Merge

**Answer:** DE

#### NEW QUESTION 139

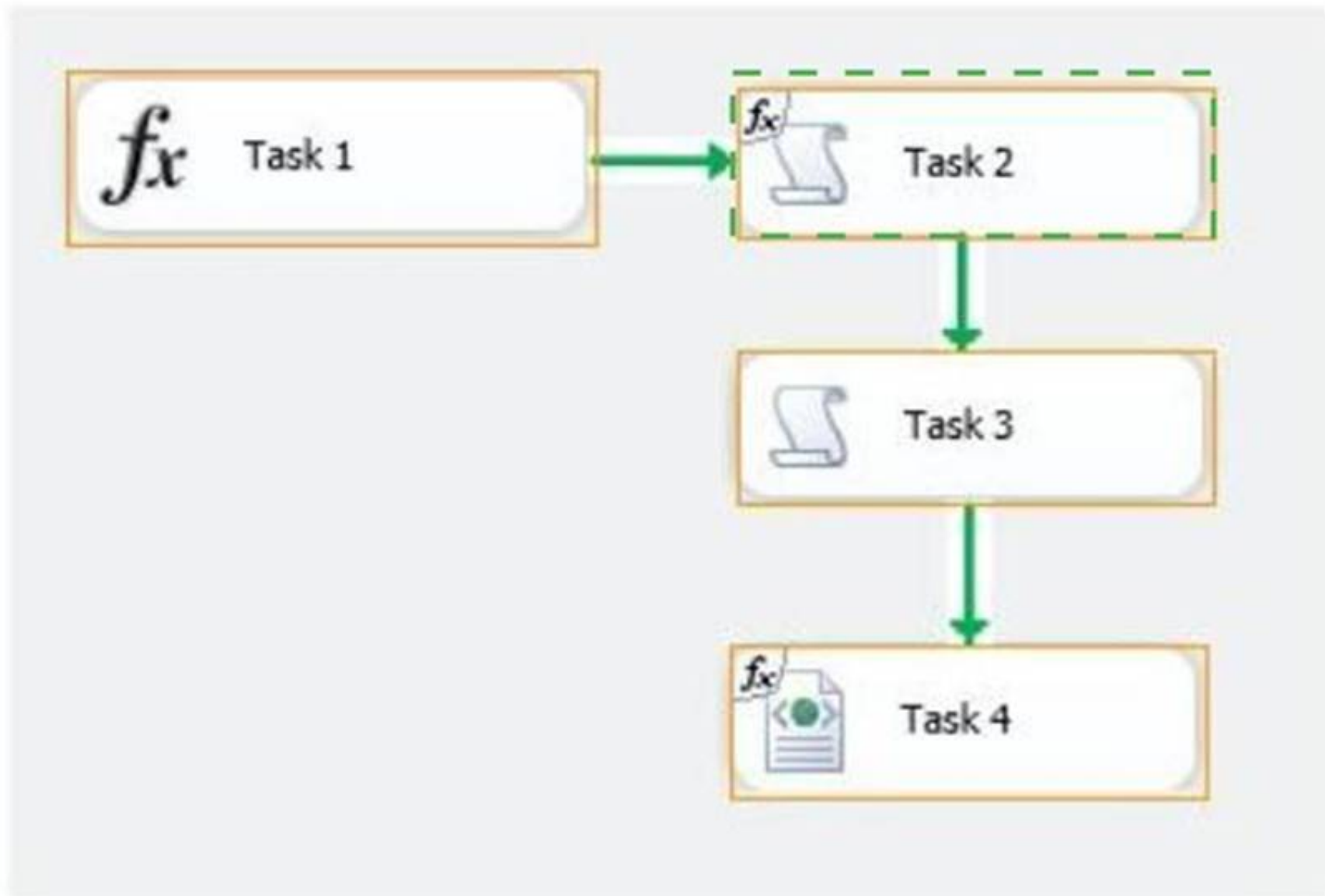
HOTSPOT

You are editing a SQL Server Integration Services (SSIS) package. You need to edit the Script task that has an expression defined. Which task should you select? To answer, select the appropriate setting or settings in the answer area.



**Answer:**

Explanation:



#### NEW QUESTION 142

You are designing a SQL Server Integration Services (SSIS) data flow to load sales transactions from a source system into a data warehouse hosted on SQL Azure. One of the columns in the data source is named ProductCode.

Some of the data to be loaded will reference products that need special processing logic in the data flow.

You need to enable separate processing streams for a subset of rows based on the source product code.

Which data flow transformation should you use?

- A. Audit
- B. Source Assistant
- C. Script Task
- D. Conditional Split

**Answer: D**

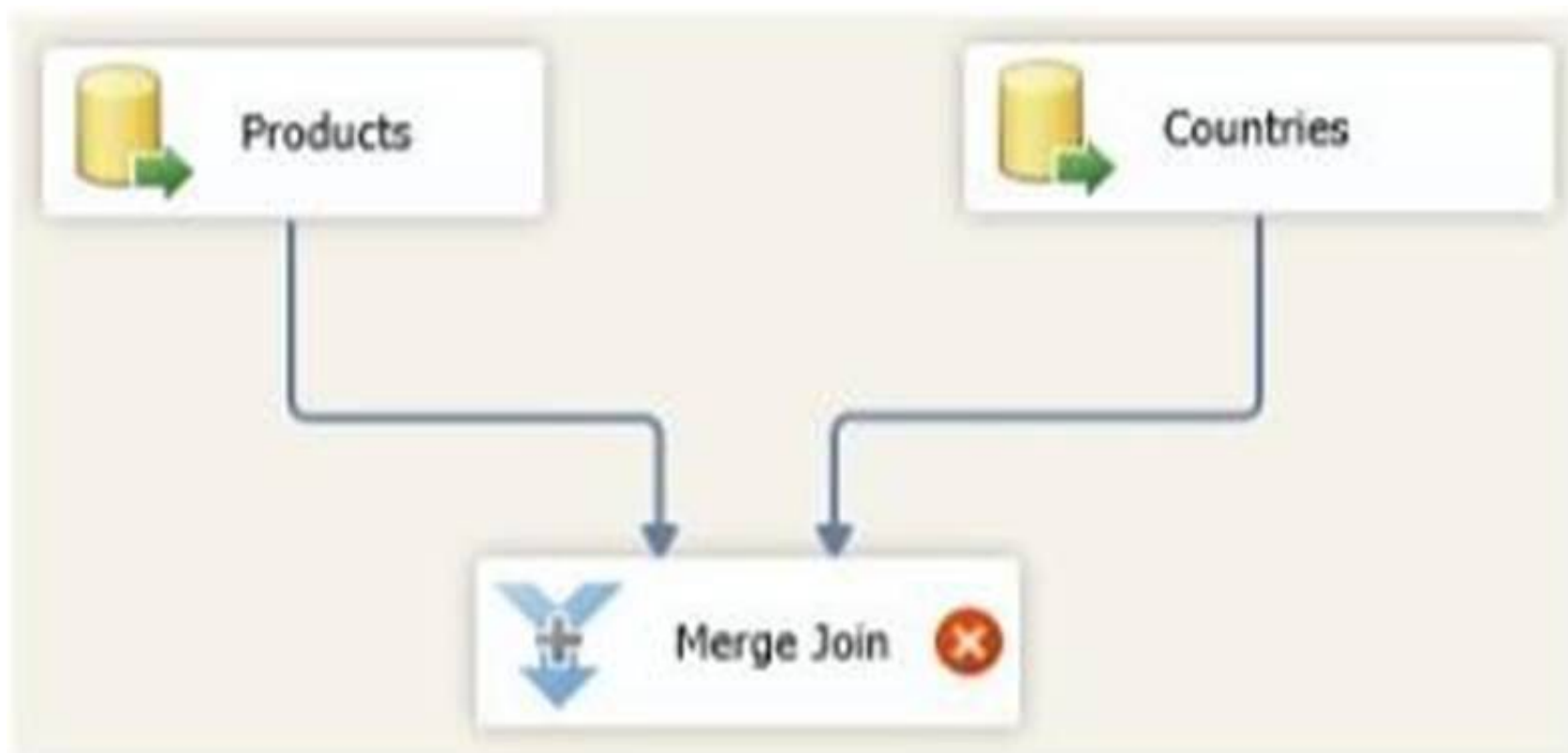
**Explanation:** <http://msdn.microsoft.com/en-us/library/ms137640.aspx> <http://msdn.microsoft.com/en-us/library/ms141150.aspx> <http://msdn.microsoft.com/en-us/library/ff929138.aspx> <http://msdn.microsoft.com/en-us/library/ff929116.aspx>

#### NEW QUESTION 144

You are developing a data flow transformation to merge two data sources. One source contains product data and the other source contains data about the country in which the product was manufactured. Both data sources contain a two-character CountryCode column and both use SQL Server. Both data sources contain an ORDER BY clause to sort the data by the CountryCode column in ascending order.

You use a Merge Join transformation to join the data.





You need to ensure that the Merge Join transformation works correctly without additional transformations. What should you do? (Each answer presents a part of the solution. Choose all that apply.)

- A. set the appropriate SortKeyPosition properties on the data sources.
- B. set the ValidateExternalMetaData property on the Merge Join transformation to True.
- C. set the IsSorted property on both data sources.
- D. Set the MaxBuffersPerInput property on the Merge Join transformation to 2.

**Answer:** AC

**Explanation:** References:

<http://msdn.microsoft.com/en-us/library/ms141775.aspx> <http://msdn.microsoft.com/en-us/library/ms137653.aspx>

<http://siddhumehta.blogspot.com/2009/05/validateexternalmetadata-property.html> <http://msdn.microsoft.com/en-us/library/ms135950.aspx>

#### NEW QUESTION 145

You are using a SQL Server Integration Services (SSIS) project that is stored in the SSIS catalog. An Environment has been defined in the SSIS catalog. You need to add the Environment to the project. Which stored procedure should you use?

- A. catalog.create\_environment\_variable
- B. catalog.create\_environment\_reference
- C. catalog.set\_execution\_parameter\_value
- D. catalog.set\_environment\_variable\_value

**Answer:** B

**Explanation:** Environments (Test, Production etc) are associated with projects by creating references to the environments in the projects.

#### NEW QUESTION 149

You are developing a SQL Server Integration Services (SSIS) package.

The package is stored as the myPackage.dtsx file in the root directory of the C drive of the SSIS server. You need to run the package from the command prompt. Which command should you use?

- A. dtexec /sql myPackage
- B. dtexec /d "C:\File System\myPackage.dtsx"
- C. dtexec /f "C:\myPackage.dtsx"
- D. dtexec /com "myPackage.dtsx"

**Answer:** C

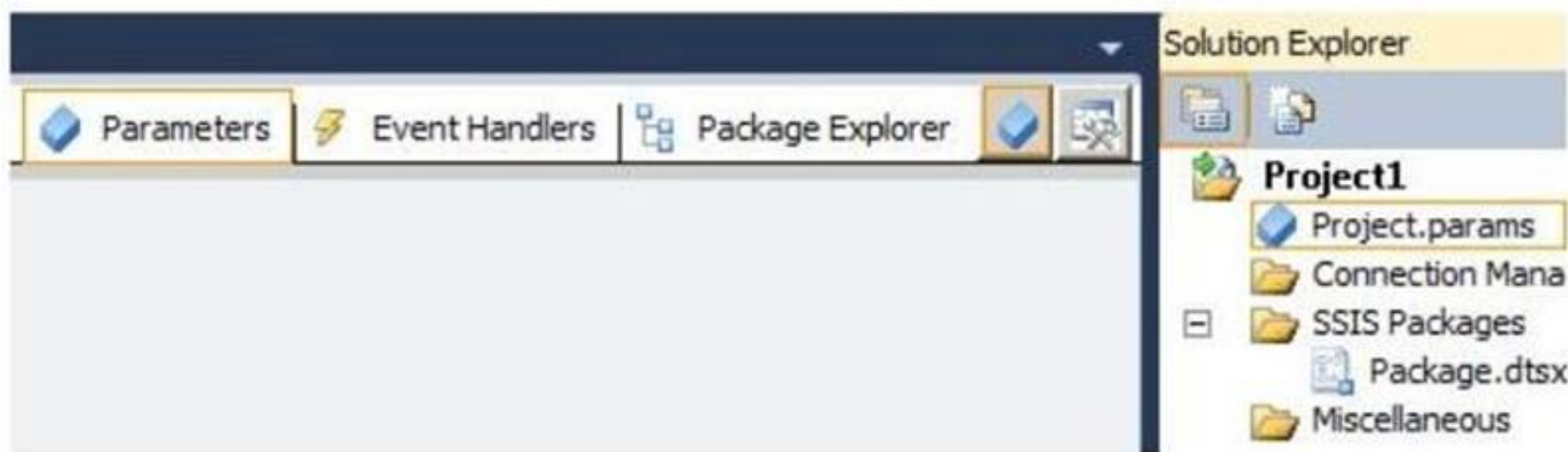
#### NEW QUESTION 152

HOTSPOT

You are editing a SQL Server Integration Services (SSIS) project named Project1 in SQL Server Data Tools.

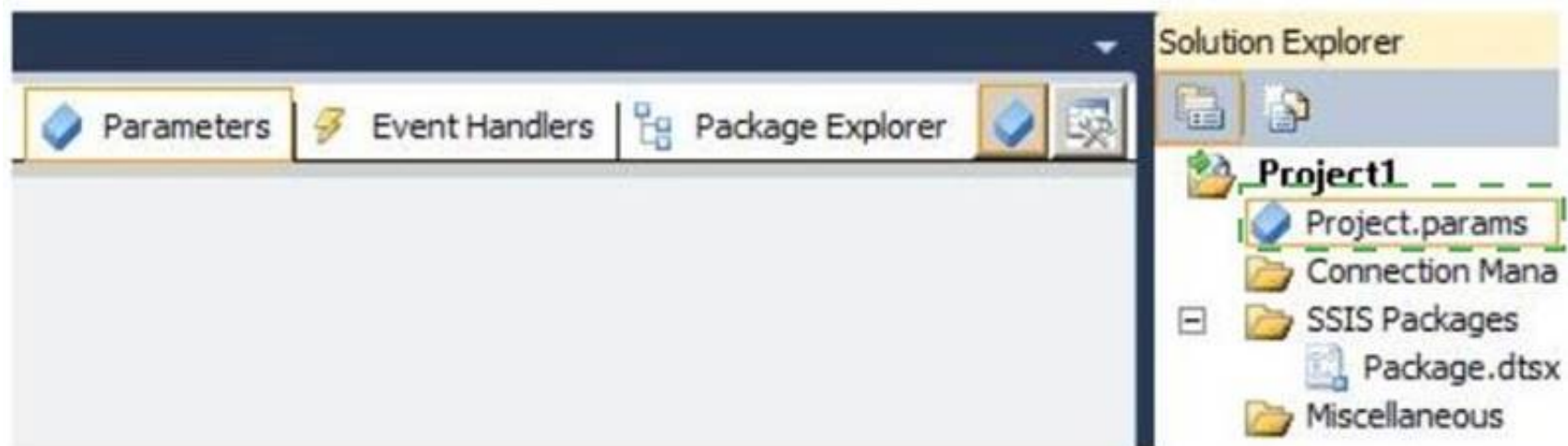
A package Connection Manager has been parameterized with project scope.

You need to display the parameters that have been generated for the Connection Manager. What should you use? To answer, select the appropriate setting or settings in the answer area.



**Answer:**

**Explanation:**



#### NEW QUESTION 156

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

**Answer: C**

**Explanation:** References:

<http://msdn.microsoft.com/en-us/library/ms141212.aspx> <http://www.mssqltips.com/sqlservertip/2450/ssis-package-deployment-model-in-sql-server-2012-part-1-of-2/>  
<http://www.mssqltips.com/sqlservertip/2450/ssis-package-deployment-model-in-sql-server-2012-part-2-of-2/>

#### NEW QUESTION 159

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 dat

- A. 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?
- B. Add an OnError event handler to the SSIS project.
- C. Open a command prompt and execute the package by using the SQL Log provider and running the dtexecui.exe utility.
- D. Use an msi file to deploy the package on the server.
- E. Open a command prompt and run the gacutil command.
- 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 dtutil /copy command.
- 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. Open a command prompt and run the dtexec /rep /conn command.
- L. Open a command prompt and run the dtexec /dumperror /conn comman

**Answer: I**

**Explanation:** References:

<http://technet.microsoft.com/en-us/library/hh230989.aspx>

<http://www.rafael-salas.com/2012/01/ssis-2012-quick-peek-to-data-taps.html> <http://msdn.microsoft.com/en-us/library/ms162820.aspx> <http://msdn.microsoft.com/en-us/library/hh231187.aspx> <http://technet.microsoft.com/en-us/library/ms140223.aspx> <http://msdn.microsoft.com/en-us/library/jj655339.aspx>

**NEW QUESTION 163**

You develop a SQL Server Integration Services (SSIS) package that imports SQL Azure data into a data warehouse every night.

The SQL Azure data contains many misspellings and variations of abbreviations. To import the data, a developer used the Fuzzy Lookup transformation to choose the closest-matching string from a reference table of allowed values. The number of rows in the reference table is very large.

If no acceptable match is found, the Fuzzy Lookup transformation passes a null value. The current setting for the Fuzzy Lookup similarity threshold is 0.50.

Many values are incorrectly matched.

You need to ensure that more accurate matches are made by the Fuzzy Lookup transformation without degrading performance.

What should you do?

- A. Change the Exhaustive property to True.
- B. Decrease the maximum number of matches per lookup.
- C. Change the similarity threshold to 0.85.
- D. Increase the maximum number of matches per looku

**Answer:** C

**NEW QUESTION 164**

You install a SQL Server 2012 database engine instance on a production server. A month later, you install SQL Server 2012 Integration Services (SSIS).

You must develop an SSIS project and deploy it to the server by using the Project Deployment model. Operations log records that are outside the configured retention period must be cleaned automatically.

You need to create the SSIS catalog on the production server and ensure that the operations log cleaning requirement is met.

What should you do? (Each correct answer presents part of the solution. Choose all that apply.)

- A. Enable CLR Integration.
- B. Enable FILESTREAM with Full Access.
- C. Enable the Resource Governor.
- D. Change the recovery mode of the msdb database to FULL.
- E. Change the Server-wide Default Logging Level in SSISDB to Verbose.
- F. Start the SQL Server Browser service.
- G. Start the SQL Server Agent servic

**Answer:** AG

**NEW QUESTION 166**

You develop a SQL Server Integration Services (SSIS) package that imports SQL Azure data into a data warehouse every night.

The SQL Azure data contains many misspellings and variations of abbreviations. To import the data, a developer used the Fuzzy Lookup transformation to choose the closest-matching string from a reference table of allowed values. The number of rows in the reference table is very large.

If no acceptable match is found, the Fuzzy Lookup transformation passes a null value. The current setting for the Fuzzy Lookup similarity threshold is 0.50.

Many values are incorrectly matched.

You need to ensure that more accurate matches are made by the Fuzzy Lookup transformation without degrading performance.

What should you do?

- A. Decrease the maximum number of matches per lookup.
- B. Change the similarity threshold to 0.55.
- C. Change the Exhaustive property to True.
- D. Increase the maximum number of matches per lookup.

**Answer:** B

**Explanation:** Reference: <http://msdn.microsoft.com/en-us/library/ms137786.aspx>

**NEW QUESTION 171****DRAG DROP**

You administer a Microsoft SQL Server database. Service accounts for SQL Agents are configured to use a local user. A Microsoft SQL Server Integration Services (SSIS) job step has been created within a SQL Server Agent job. The SSIS package accesses a network share when exporting data from a SQL Server database.

When you execute the SQL Server Agent job, it fails due to a permissions failure on a share on a remote server. You need to ensure that the SQL Server Agent job can execute the SSIS 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.)



Ordered List Title	Answer Choices Title
<div><div>▲</div><div>▼</div></div>	<div>Add a proxy that references the local user.</div> <div>Add a proxy that references the credential.</div> <div>Create a local user account and grant local administrator on the SQL Server instance.</div> <div>Create a credential that references the local user.</div> <div>Create a credential that references the domain user.</div> <div>Assign the proxy to the Operating System subsystem.</div> <div>Assign the proxy to the SSIS package execution subsystem.</div> <div>Create a domain user account and grant permissions to the domain user account to access the network share.</div>
	<div>&lt;&lt; Move</div> <div>Remove &gt;&gt;</div>

**Answer:**

**Explanation:** References:

<http://msdn.microsoft.com/en-us/library/ms175834.aspx> <http://msdn.microsoft.com/en-us/library/ms189522.aspx> <http://msdn.microsoft.com/en-us/library/ms190703.aspx> <http://msdn.microsoft.com/en-us/library/ms161950.aspx>

#### NEW QUESTION 174

You administer a Microsoft SQL Server 2012 database. The database contains a table that has the following definition:

```
CREATE TABLE [Sales].[Customer] (
    [CustomerID] int NOT NULL,
    [CustomerName] nvarchar(50) NOT NULL,
    [TerritoryID] int NULL,
    [LastContactDate] datetimeoffset NULL,
    [CustomerType] nchar(1) NOT NULL,
    [Notes] varchar(250) NULL
)
```

You want to export data from the table to a flat file by using the SQL Server Import and Export Wizard.

You need to ensure that the following requirements are met:

The first row of the file contains the first row of data.

Each record is of the same length. The date follows the U.S. date format.

The file supports international characters.

What should you do? (To answer, simply select the option or options in the answer area that you would configure.)

**Answer:**

**Explanation:** Each record is of the same length = Fixed Width. The file supports international characters = Unicode. The date follows the U.S. date format = Locale (already configured). The first row of the file contains the first row of data = Uncheck "Column names in the first data row"

**NEW QUESTION 179**

You administer a Microsoft SQL Server 2012 database. The database contains a table named Employee. Part of the Employee table is shown in the exhibit.

Employee (jek)	
Column Name	Condensed Type
EmployeeID	int
EmployeeNum	char(10)
LastName	nvarchar(200)
FirstName	nvarchar(200)
MiddleName	nvarchar(200)
DateHired	date
DepartmentID	int
JobTitle	varchar(200)
ReportsToID	int



Column name	Description
EmployeeID(pk)	Uniquely identifies the employee record in the table Used throughout the database by all the other tables that reference the Employee table
EmployeeNum	An alphanumeric value calculated according to company requirements Has to be unique within the Employee table Exists only within the Employee table
DepartmentID	References another table named Department that contains data for each department in the company
ReportsToID	Contains the EmployeeID of the manager to whom an employee reports
ReportsToID	Contains the EmployeeID of the manager to whom an employee reports

Confidential information about the employees is stored in a separate table named EmployeeDat

- A. One record exists within EmployeeData for each record in the Employee tabl
- B. You need to assign the appropriate constraints and table properties to ensure data integrity and visibilit
- C. On which column in the Employee table should you create a unique constraint?
- D. DateHired
- E. DepartmentID
- F. EmployeeeID
- G. EmployeeNum
- H. FirstName
- I. JobTitle
- J. LastName
- K. MiddleName
- L. ReportsToID

**Answer: D**

#### NEW QUESTION 184

You administer a Microsoft SQL Server 2012 database. The database contains a table named Employee. Part of the Employee table is shown in the exhibit. (Click the Exhibit button.)

Employee (jek)	
Column Name	Condensed Type
EmployeeeID	int
EmployeeNum	char(10)
LastName	nvarchar(200)
FirstName	nvarchar(200)
MiddleName	nvarchar(200)
DateHired	date
DepartmentID	int
JobTitle	varchar(200)
ReportsToID	int



Column name	Description
EmployeeID	Uniquely identifies the employee record in the table Used throughout the database by all the other tables that reference the Employee table
EmployeeNum	An alphanumeric value calculated according to company requirements Has to be unique within the Employee table Exists only within the Employee table
DepartmentID	References another table named Department that contains data for each department in the company
ReportsToID	Contains the EmployeeID of the manager to whom an employee reports

Confidential information about the employees is stored in a separate table named EmployeeData. One record exists within EmployeeData for each record in the Employee table. You need to assign the appropriate constraints and table properties to ensure data integrity and visibility. On which column in the Employee table should you use an identity specification to include a seed of 1,000 and an increment of 1?

- A. DateHired
- B. DepartmentID
- C. EmployeeID
- D. EmployeeNum
- E. FirstName
- F. JobTitle
- G. LastName
- H. MiddleName
- I. ReportsToID

**Answer:** C

#### NEW QUESTION 186

You are designing a SQL Server Integration Services (SSIS) solution. The solution will contain an SSIS project that includes several SSIS packages. Each SSIS package will define the same connection managers and variables.

You have the following requirements:

- Ensure that the deployment model supports changing the content of connection strings by using parameters at execution time.
- Ensure that the deployment model automatically starts from calls to the catalog.start\_execution stored procedure in the SSISDB database.
- Maximize performance at execution time.
- Minimize development effort.

You need to design a solution that meets the requirements.

What should you do? (More than one answer choice may achieve the goal. Select the BEST answer.)

- A. Use a project deployment mode
- B. Modify connection manager properties to use project parameter
- C. Ensure that the SSISDB database is created.
- D. Use a project deployment mode
- E. Configure connections in an XML configuration file referenced by an environment variable that corresponds to the SQL Server environment of each SSIS package.
- F. Use a package deployment mode
- G. Use a SQL Server package configuration with a common filter
- H. Change the contents of the SSIS Configurations table at runtime.
- I. Use a package deployment mode
- J. Save each SSIS package to a file share that can be accessed from all environments.

**Answer:** A

#### NEW QUESTION 189

DRAG DROP

You are designing a SQL Server Integration Services (SSIS) package to execute 12 Transact-SQL (T-SQL) statements on a SQL Azure database. The T-SQL statements may be executed in any order. The T-SQL statements have unpredictable execution times.

You have the following requirements:

- The package must maximize parallel processing of the T-SQL statements.
- After all the T-SQL statements have completed, a Send Mail task must notify administrators.

You need to design the SSIS package. Which three 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 Send Mail task to the control flow. Add a precedence constraint for Completion to the final Execute SQL task and link it to the Send Mail task.

Add a Sequence container to the control flow.

Add a Send Mail task to the control flow. Add a precedence constraint for Completion to the Sequence container and link it to the Send Mail task.

Create precedence constraints for Completion between all the Execute SQL tasks.

Add 12 Execute SQL tasks to the control flow and configure the tasks.

Add 12 Execute SQL tasks to the Sequence container and configure the tasks.

**Answer:**

**Explanation:**

Add a Sequence container to the control flow.

Add 12 Execute SQL tasks to the control flow and configure the tasks.

Add a Send Mail task to the control flow. Add a precedence constraint for Completion to the Sequence container and link it to the Send Mail task.

#### NEW QUESTION 191

DRAG DROP

You plan to deploy a SQL Server Integration Services (SSIS) project by using the project deployment model.

You need to monitor control flow tasks to determine whether any of them are running longer than usual. Which three 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.)

Write a query against the **catalog.operation\_messages** view. Add a calculation to the query to compare durations to the **catalog.executables** view.

Execute the query.

Write a query against the **catalog.execution\_component\_phases** view. Add a calculation to the query to compare durations to the **catalog.executables** view.

Connect to the **SSISDB** database.

Connect to the **msdb** database.

Write a query against the **catalog.execution\_component\_phases** view. Add a calculation to the query to compare durations to the **catalog.executions** view.

Write a query against the **catalog.operation\_messages** view. Add a calculation to the query to compare durations to the **catalog.executions** view.

**Answer:**

**Explanation:** 1. Connect to SSISDB.

2. Query against execution\_component\_phases and executions.

3. Execute query Ref:

<http://msdn.microsoft.com/en-us/library/hh230981.aspx> <http://msdn.microsoft.com/en-us/library/ff878089.aspx>



#### NEW QUESTION 196

You are designing a partitioning strategy for a large fact table in a data warehouse. Tens of millions of new records are loaded into the data warehouse weekly, outside of business hours.

Most queries are generated by reports and by cube processing. Data is frequently queried at the day level and occasionally at the month level.

You need to partition the table to maximize the performance of queries. What should you do? (More than one answer choice may achieve the goal. Select the BEST answer.)

- A. Partition the fact table by month, and compress each partition.
- B. Partition the fact table by week.
- C. Partition the fact table by year.
- D. Partition the fact table by day, and compress each partition.

**Answer: D**

#### NEW QUESTION 201

You are designing an extract, transform, load (ETL) process for loading data from a SQL Server database into a large fact table in a data warehouse each day with the prior day's sales data.

The ETL process for the fact table must meet the following requirements: Load new data in the shortest possible time.

Remove data that is more than 36 months old. Ensure that data loads correctly.

Minimize record locking.

Minimize impact on the transaction log.

You need to design an ETL process that meets the requirements. What should you do? (More than one answer choice may achieve the goal. Select the BEST answer.)

- A. Partition the destination fact table by date.
- B. Insert new data directly into the fact table and delete old data directly from the fact table.
- C. Partition the destination fact table by date.
- D. Use partition switching and staging tables both to remove old data and to load new data.
- E. Partition the destination fact table by customer.
- F. Use partition switching both to remove old data and to load new data into each partition.
- G. Partition the destination fact table by date.
- H. Use partition switching and a staging table to remove old data.
- I. Insert new data directly into the fact table.

**Answer: B**

#### NEW QUESTION 203

DRAG DROP

You are validating whether a SQL Server Integration Services (SSIS) package named Master.dtsx in the SSIS catalog is executing correctly.

You need to display the number of rows in each buffer passed between each data flow component of the package.

Which three 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.)

Execute a SQL statement with a package name of Master.dtsx against the **catalog.executions** view and return its execution ID.

Run the Master.dtsx package with the logging level set to **Performance**.

Execute a SQL statement with the execution ID equal to the previously retrieved execution ID against the **catalog.execution\_data\_statistics** view and return the **rows\_sent** column values for all the rows.

Run the Master.dtsx package with the logging level set to **Verbose**.

Execute a SQL statement with a package name of Master.dtsx against the **msdb..sysssislog** table and return its execution ID.

**Answer:**

**Explanation:** Ref: <http://msdn.microsoft.com/en-us/library/hh230986.aspx>

#### NEW QUESTION 205

You are designing a SQL Server Integration Services (SSIS) solution. The solution will contain an SSIS project that includes several SSIS packages. Each SSIS package will define the same connection managers and variables.

You have the following requirements:

- The deployment model must support changing the content of connection strings by using parameters at execution time.
- The deployment model must automatically log events to the SSISDB database.
- Maximize performance at execution time.

You need to design a solution that meets the requirements. What should you do? (More than one answer choice may achieve the goal. Select the BEST answer.)

- A. Use a project deployment mode
- B. Modify connection manager properties to use project parameters.
- C. Use a package deployment mode
- D. Save each SSIS package to a file share that can be accessed from all environments.
- E. Use a package deployment mode
- F. Configure connections in an XML configuration file referenced by an environment variable that corresponds to the SQL Server environment of each SSIS package.
- G. Use a project deployment mode
- H. Modify connection manager properties to use package parameters.

**Answer:** A

#### NEW QUESTION 209

##### HOTSPOT

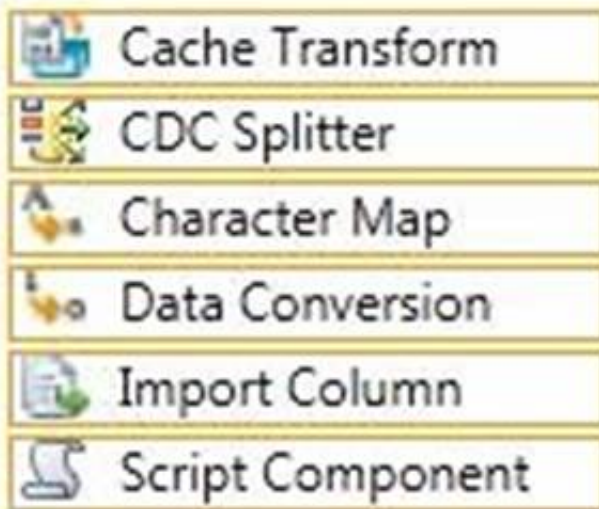
You are developing a SQL Server Integration Service (SSIS) package. The package loads a customer dimension table by using a data flow task.

Changes to the customer attributes must be tracked over time.

You need to produce a checksum value to identify the rows that have changed since the last Extract, Transform and Load (ETL) process execution. You need to use the least amount of development effort to achieve this goal.

Which transformation should you use? (To answer, select the appropriate transformation in the answer area.)

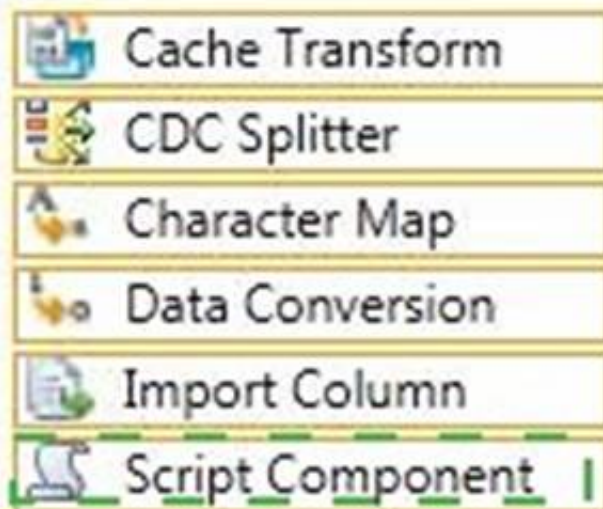
##### ▲ Favorites



**Answer:**

**Explanation:**

##### ▲ Favorites



#### NEW QUESTION 214

##### DRAG DROP

You are loading a dataset into SQL Server. The dataset contains numerous duplicates for the Artist and Song columns.

The values in the Artist column in the dataset must exactly match the values in the Artist domain in the knowledge base. The values in the Song column in the dataset can be a close match with the values in the Song domain.

You need to use SQL Server Data Quality Services (DQS) to define a matching policy rule to identify duplicates.

How should you configure the Rule Editor? (To answer, drag the appropriate answers to the answer area.)



0

50

100

Prerequisite Choices

No

Yes

**Rule Editor**

Show overlapping clusters

Domain	Similarity	Weight	Prerequisite
Artist	Similar		
Song	Similar		

**Answer:**

**Explanation:**

0

50

100

Prerequisite Choices

No

Yes

**Rule Editor**

Show overlapping clusters

Domain	Similarity	Weight	Prerequisite
Artist	Similar	0	Yes
Song	Similar	100	No

#### NEW QUESTION 217

DRAG DROP

You are developing a SQL Server Integration Services (SSIS) package.

The package contains several tasks that must repeat until an expression evaluates to FALSE. You need to add and configure a container to enable this design.

Which three 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.)

Configure the **EvalExpression** property.

Configure the **Enumerator** property.

Open the Data Flow designer of the package.

Add and edit a For Loop container.

Add and edit a Foreach Loop container.

Open the Control Flow designer of the package.

**Answer:**

**Explanation:** Box 1: Open the Control Flow designer of the package.

Box 2: Add and edit a For Loop container.

Box 3: Configure the EvalExpression property. Note:

\* You create the control flow in a package by using the control flow designer.

Integration Services includes three types of containers that you can use in a control flow.

/ Foreach Loop container

/ For Loop container

/ Sequence container

\* For Loop Container

The For Loop container defines a repeating control flow in a package. The loop implementation is similar to the For looping structure in programming languages. In each repeat of the loop, the For Loop container evaluates an expression and repeats its workflow until the expression evaluates to False.

The For Loop container uses the following elements to define the loop:

/ An optional initialization expression that assigns values to the loop counters.

/ An evaluation expression that contains the expression used to test whether the loop should stop or continue.

/ An optional iteration expression that increments or decrements the loop counter.



**NEW QUESTION 220**

You are designing a data warehouse with two fact tables. The first table contains sales per month and the second table contains orders per day. Referential integrity must be enforced declaratively. You need to design a solution that can join a single time dimension to both fact tables. What should you do?

- A. Create a view on the sales table.
- B. Partition the fact tables by day.
- C. Create a surrogate key for the time dimension.
- D. Change the level of granularity in both fact tables to be the same

**Answer:** D

**NEW QUESTION 224**

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. SQL Server dtexec utility (dtexec.exe)
- B. SQL Server DTEXecUI utility (dtexecui.exe)
- C. SSIS Upgrade Wizard in SQL Server Data Tools
- D. SQL Server Integration Services Deployment Wizard

**Answer:** C

**Explanation:** Use the SSIS Package Upgrade Wizard to upgrade SQL Server 2005 Integration Services (SSIS) packages and SQL Server 2008 Integration Services (SSIS) packages to the package format for the current (2012) release of SQL Server Integration Services.

**NEW QUESTION 226**

You administer a SQL Server Integration Services (SSIS) solution in the SSIS catalog. A SQL Server Agent job is used to execute a package daily with the basic logging level.

Recently, the package execution failed because of a primary key violation when the package inserted data into the destination table.

You need to identify all previous times that the package execution failed because of a primary key violation.

What should you do?

- A. Use an event handler for OnError for the package.
- B. Use an event handler for OnError for each data flow task.
- C. Use an event handler for OnTaskFailed for the package.
- D. View the job history for the SQL Server Agent job.
- E. View the All Messages subsection of the All Executions report for the package.
- F. Store the System::SourceID variable in the custom log table.
- G. Store the System::ServerExecutionID variable in the custom log table.
- H. Store the System::ExecutionInstanceGUID variable in the custom log table.
- I. Enable the SSIS log provider for SQL Server for OnError in the package control flow.
- J. Enable the SSIS log provider for SQL Server for OnTaskFailed in the package control flow.
- K. Deploy the project by using dtutil.exe with the /COPY DTS option.
- L. Deploy the project by using dtutil.exe with the /COPY SQL option.
- M. Deploy the .ispac file by using the Integration Services Deployment Wizard.
- N. Create a SQL Server Agent job to execute the SSISDB.catalog.validate\_project stored procedure.
- O. Create a SQL Server Agent job to execute the SSISDB.catalog.validate\_package stored procedure.
- P. Create a SQL Server Agent job to execute the SSISDB.catalog.create\_execution and SSISDB.catalog.start\_execution stored procedures.
- Q. Create a table to store error information
- R. Create an error output on each data flow destination that writes OnError event text to the table.
- S. Create a table to store error information
- T. Create an error output on each data flow destination that writes OnTaskFailed event text to the table.

**Answer:** E

**NEW QUESTION 228**

You are developing a SQL Server Integration Services (SSIS) package to load data into a Windows Azure SQL Database database. The package consists of several data flow tasks.

The package has the following auditing requirements:

If a data flow task fails, a Transact-SQL (T-SQL) script must be executed.

The T-SQL script must be executed only once per data flow task that fails, regardless of the nature of the error.

You need to ensure that auditing is configured to meet these requirements. What should you do?

- A. Use an event handler for OnError for the package.
- B. Use an event handler for OnError for each data flow task.
- C. Use an event handler for OnTaskFailed for the package.
- D. View the job history for the SQL Server Agent job.
- E. View the All Messages subsection of the All Executions report for the package.
- F. Store the System::SourceID variable in the custom log table.
- G. Store the System::ServerExecutionID variable in the custom log table.
- H. Store the System::ExecutionInstanceGUID variable in the custom log table.
- I. Enable the SSIS log provider for SQL Server for OnError in the package control flow.
- J. Enable the SSIS log provider for SQL Server for OnTaskFailed in the package control flow.
- K. Deploy the project by using dtutil.exe with the /COPY DTS option.
- L. Deploy the project by using dtutil.exe with the /COPY SQL option.
- M. Deploy the .ispac file by using the Integration Services Deployment Wizard.
- N. Create a SQL Server Agent job to execute the SSISDB.catalog.validate\_project stored procedure.

- O. Create a SQL Server Agent job to execute the SSISDB.catalog.validate\_package stored procedure.
- P. Create a SQL Server Agent job to execute the SSISDB.catalog.create\_execution and SSISDB.catalog.start\_execution stored procedures.
- Q. Create a table to store error informatio
- R. Create an error output on each data flow destination that writes OnTaskFailed event text to the table.

**Answer:** C

#### NEW QUESTION 233

A SQL Server Integration Services (SSIS) package imports daily transactions from several files into a SQL Server table named Transaction. Each file corresponds to a different store and is imported in parallel with the other files. The data flow tasks use OLE DB destinations in fast load data access mode. The number of daily transactions per store can be very large and is growing. The Transaction table does not have any indexes. You need to minimize the package execution time. What should you do?

- A. Partition the table by day and store.
- B. Create a clustered index on the Transaction table.
- C. Run the package in Performance mode.
- D. Increase the value of the Row per Batch property.

**Answer:** D

**Explanation:** \* Data Access Mode – This setting provides the 'fast load' option which internally uses a BULK INSERT statement for uploading data into the destination table instead of a simple INSERT statement (for each single row) as in the case for other options.

\* BULK INSERT parameters include: ROWS\_PER\_BATCH =rows\_per\_batch

Indicates the approximate number of rows of data in the data file.

By default, all the data in the data file is sent to the server as a single transaction, and the number of rows in the batch is unknown to the query optimizer. If you specify ROWS\_PER\_BATCH (with a value > 0) the server uses this value to optimize the bulk-import operation. The value specified for ROWS\_PER\_BATCH should approximately the same as the actual number of rows.

#### NEW QUESTION 238

Your team is creating SQL Server Integration Services (SSIS) packages that have several dependencies. The packages use parameters for configuration purposes.

Your company's IT policies include the following change control requirements:

After a package is ready for deployment, your team must hand over the process to junior IT personnel.

The process must guarantee that when a package has been validated, that same package (and all its dependencies) is deployed to production.

The process must be repeatable and reliable and must be executed with the least administrative and training effort by junior IT personnel.

You need to use the most appropriate deployment unit to satisfy the company policies, while minimizing issues such as incorrect version or configuration.

Which type of deployment unit should you use?

- A. dtsx
- B. SSIS deployment manifest
- C. msi
- D. ispac

**Answer:** D

#### NEW QUESTION 240

You are developing a SQL Server Integration Services (SSIS) project by using the Project Deployment Model.

The project is deployed to a single SSIS catalog, and transfers data to and from multiple databases hosted on SQL Server.

The project must be configured to be able to export data to and from five different production servers that run SQL Server 2012. Each target server requires different values for connection strings and parameters in the SSIS project.

You need to meet the requirements by using the least amount of administrative effort. What should you do?

- A. For each target server, create separate registry entry configuration
- B. Select the registry entry at package execution time.
- C. For each target server, create separate Environments in the SSIS catalog of the host SQL Server SSIS instanc
- D. Select the appropriate Environment at package execution time.
- E. Create one SSIS catalog Environmen
- F. Change the values of each Environment variable at package execution time.
- G. For each target server, create a separate XML configuration fil
- H. Select the XML configuration file at package execution time.

**Answer:** B

#### NEW QUESTION 241

You are completing the installation of the Data Quality Server component of SQL Server Data Quality Services (DQS). You need to complete the post-installation configuration.

What should you do?

- A. Install the Analysis Services OLE DB Provider.
- B. Run the DQSInstaller.exe command.
- C. Run the Configuration component in the Data Quality Client.
- D. Make the data available for DQS operation

**Answer:** B

**NEW QUESTION 243**

You are developing a SQL Server Integration Services (SSIS) project by using the Project Deployment Model.

The project will be deployed to an SSIS catalog folder where Environments have already been created. You need to deploy the project. What should you do?

- A. Use an event handler for OnError for the package.
- B. Use an event handler for OnError for each data flow task.
- C. Use an event handler for OnTaskFailed for the package.
- D. View the job history for the SQL Server Agent job.
- E. View the All Messages subsection of the All Executions report for the package.
- F. Store the System::SourceID variable in the custom log table.
- G. Store the System::ServerExecutionID variable in the custom log table.
- H. Store the System::ExecutionInstanceGUID variable in the custom log table.
- I. Enable the SSIS log provider for SQL Server for OnError in the package control flow.
- J. Enable the SSIS log provider for SQL Server for OnTaskFailed in the package control flow.
- K. Deploy the project by using dtutil.exe with the /COPY DTS option.
- L. Deploy the project by using dtutil.exe with the /COPY SQL option.
- M. Deploy the .ispac file by using the Integration Services Deployment Wizard.
- N. Create a SQL Server Agent job to execute the SSISDB.catalog.validate\_project stored procedure.
- O. Create a SQL Server Agent job to execute the SSISDB.catalog.validate\_package stored procedure.
- P. Create a SQL Server Agent job to execute the SSISDB.catalog.create\_execution and SSISDB.catalog.start\_execution stored procedures.
- Q. Create a table to store error informatio
- R. Create an error output on each data flow destination that writes OnError event text to the table.
- S. Create a table to store error informatio
- T. Create an error output on each data flow destination that writes OnTaskFailed event text to the table.

**Answer:** M

**NEW QUESTION 245**

You are developing a SQL Server Integration Services (SSIS) package to load data into a data warehouse. The package consists of several data flow tasks.

The package experiences intermittent errors in the data flow tasks.

If any data flow task fails, all package error information must be captured and written to a SQL Server table by using an OLE DB connection manager.

You need to ensure that the package error information is captured and written to the table. What should you do?

- A. Use an event handler for OnError for the package.
- B. Use an event handler for OnError for each data flow task.
- C. Use an event handler for OnTaskFailed for the package.
- D. View the job history for the SQL Server Agent job.
- E. View the All Messages subsection of the All Executions report for the package.
- F. Store the System::SourceID variable in the custom log table.
- G. Store the System::ServerExecutionID variable in the custom log table.
- H. Store the System::ExecutionInstanceGUID variable in the custom log table.
- I. Enable the SSIS log provider for SQL Server for OnError in the package control flow.
- J. Enable the SSIS log provider for SQL Server for OnTaskFailed in the package control flow.
- K. Deploy the project by using dtutil.exe with the /COPY DTS option.
- L. Deploy the project by using dtutil.exe with the /COPY SQL option.
- M. Deploy the .ispac file by using the Integration Services Deployment Wizard.
- N. Create a SQL Server Agent job to execute the SSISDB.catalog.validate\_project stored procedure.
- O. Create a SQL Server Agent job to execute the SSISDB.catalog.validate\_package stored procedure.
- P. Create a SQL Server Agent job to execute the SSISDB.catalog.create\_execution and SSISDB.catalog.start\_execution stored procedures.
- Q. Create a table to store error informatio
- R. Create an error output on each data flow destination that writes OnError event text to the table.
- S. Create a table to store error informatio
- T. Create an error output on each data flow destination that writes OnTaskFailed event text to the table.

**Answer:** I

**NEW QUESTION 249**

You are developing a SQL Server Integration Services (SSIS) project to read and write data from a Windows Azure SQL Database database to a server that runs SQL Server 2012.

The connection will be used by data flow tasks in multiple SSIS packages. The address of the target Windows Azure SQL Database database will be provided by a project parameter.

You need to create a solution to meet the requirements by using the least amount of administrative effort and maximizing data flow performance.

What should you do?

- A. Use an SSIS Script task that uses the custom assembly to parse the text data when inserting it.
- B. Use an SSIS Script transformation that uses the custom assembly to parse the text data when inserting it.
- C. Create a SQL Common Language Runtime (SQLCLR) function that uses the custom assembly to parse the text data, deploy it in the Windows Azure SQL Database database, and use it when inserting data.
- D. Create a SQL Common Language Runtime (SQLCLR) stored procedure that uses the custom assembly to parse the text data, deploy it in the Windows Azure SQL Database database, and use it when inserting data.

**Answer:** A

**NEW QUESTION 252**

You develop a SQL Server Integration Services (SSIS) project by using the Package Deployment Model. A package in the project extracts data from a Windows Azure SQL Database database. The package is deployed to SQL Server.

The package is not producing the desired results.

You need to generate the .mdmp and .tmp debug files in order to troubleshoot the issues. What should you do?

- A. Execute the catalog.add\_data\_tap stored procedure with the package execution\_id.



- B. Execute the catalog.create\_execution\_dump stored procedure with the package execution\_id.  
C. Run the DTEXEC utility with the /DumpOnError option.  
D. Run the DTEXEC utility with the /Reporting V option

**Answer:** C

#### NEW QUESTION 254

You are developing a SQL Server Integration Services (SSIS) project that contains a project Connection Manager and multiple packages. All packages in the project must connect to the same database. The server name for the database must be set by using a parameter named ParamConnection when any package in the project is executed. You need to develop this project with the least amount of development effort. What should you do? (Each answer presents a part of the solution. Choose all that apply.)

- A. Create a package parameter named ConnectionName in each package.  
B. Edit each package Connection Manager  
C. Set the ConnectionName property to @[Project::ParamConnection].  
D. Edit the project Connection Manager in Solution Explorer  
E. Set the ConnectionName property to @ [Project::ParamConnection].  
F. Set the Sensitive property of the parameter to True.  
G. Create a project parameter named ConnectionName.  
H. Set the Required property of the parameter to True.

**Answer:** CEF

#### Explanation:

C: From question: "The server name for the database must be set by using a parameter named ParamConnection when any package in the project is executed."

E: SSIS 2012 has introduced the concept of Project level connection managers. An SSIS project is generally more than one package. To simplify lives, the SSIS team now allows for the sharing of common resources across projects, connection managers being one of those resources.

F: When a parameter is marked as required, a server value or execution value must be specified for that parameter. Otherwise, the corresponding package does not execute. Although the parameter has a default value at design time, it will never be used once the project is deployed.

Note:

\* Integration Services (SSIS) parameters allow you to assign values to properties within packages at the time of package execution. You can create project parameters at the project level and package parameters at the package level. Project parameters are used to supply any external input the project receives to one or more packages in the project. Package parameters allow you to modify package execution without having to edit and redeploy the package.

Reference: Integration Services (SSIS) Parameters

#### NEW QUESTION 259

You are developing a SQL Server Integration Services (SSIS) package. The package sources data from an HTML web page that lists product stock levels. You need to implement a data flow task that reads the product stock levels from the HTML web page. Which data flow source should you use?

- A. Raw File source  
B. XML source  
C. Custom source component  
D. Flat File source

**Answer:** C

#### NEW QUESTION 261

DRAG DROP

You are maintaining a SQL Server Integration Services (SSIS) package. The package uses custom functionality that is implemented in Microsoft Visual C#. The implementation of the custom functionality changes overtime. The design of the package allows you to deploy new releases of the custom functionality without redeploying the entire package.

You need to implement and deploy an update to the custom functionality without requiring package redeployment.

Which three 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.)

Redeploy the package.

Edit the C# code.

Rebuild and redeploy the DLL file that is generated by the Script task.

Rebuild and redeploy the DLL file that is generated by the Script component.

Rebuild and redeploy the custom object.

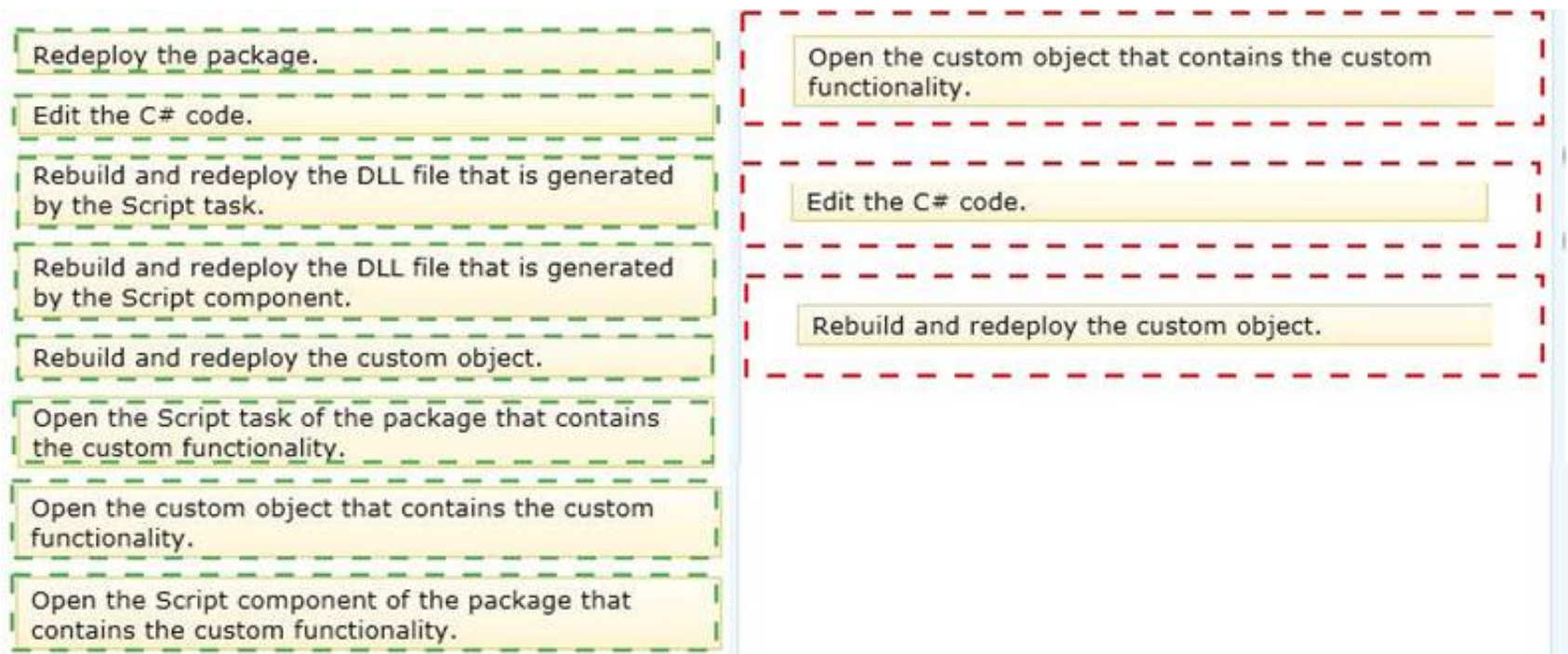
Open the Script task of the package that contains the custom functionality.

Open the custom object that contains the custom functionality.

Open the Script component of the package that contains the custom functionality.

Answer:

Explanation:



## NEW QUESTION 265

### HOTSPOT

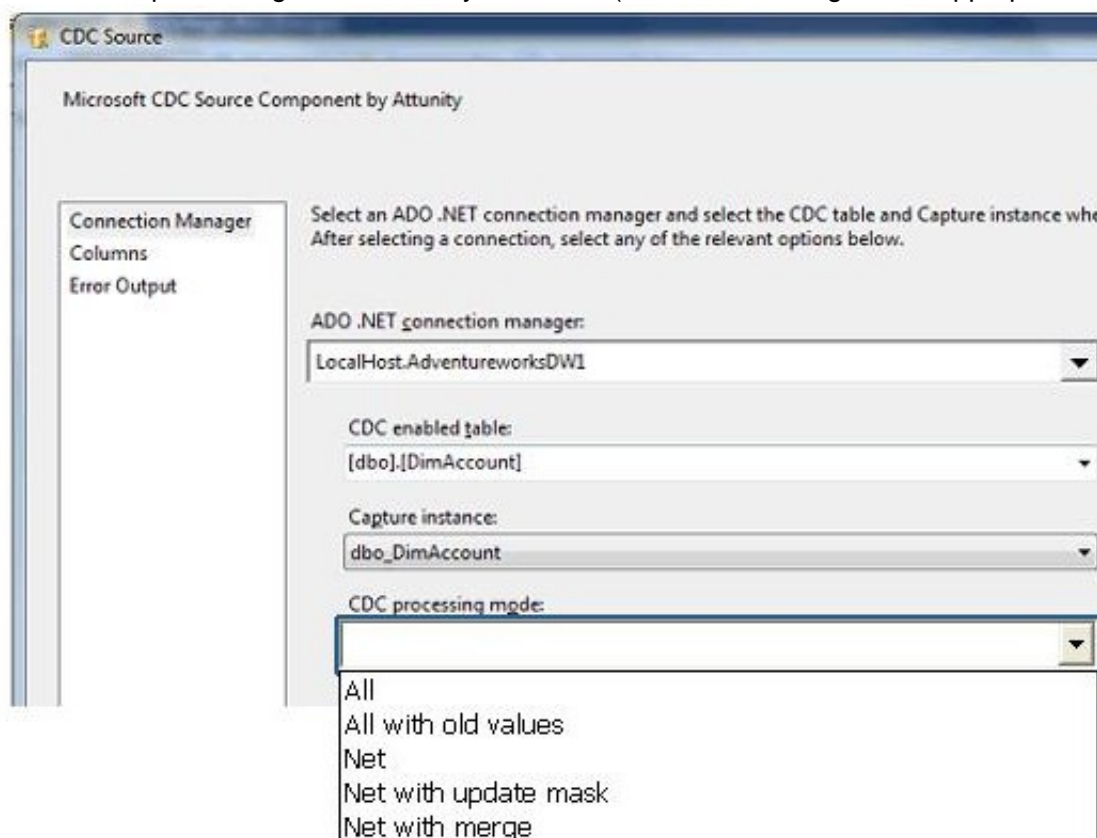
You are developing a SQL Server Integration Services (SSIS) package. The data source for the data flow task is a table that has been configured as a change data capture (CDC) table. You are using a CDC Source component to obtain the CDC data.

The CDC Source component has the following requirements:

The output must include metadata columns that indicate which source columns have changed. The output must return only one change row per source row that is modified in the current CDC processing range.

You need to configure the CDC Source component.

Which CDC processing mode should you select? (To answer, configure the appropriate option or options in the dialog box in the answer area.)



Answer:

Explanation: Ref: <http://msdn.microsoft.com/en-gb/library/hh231004.aspx>

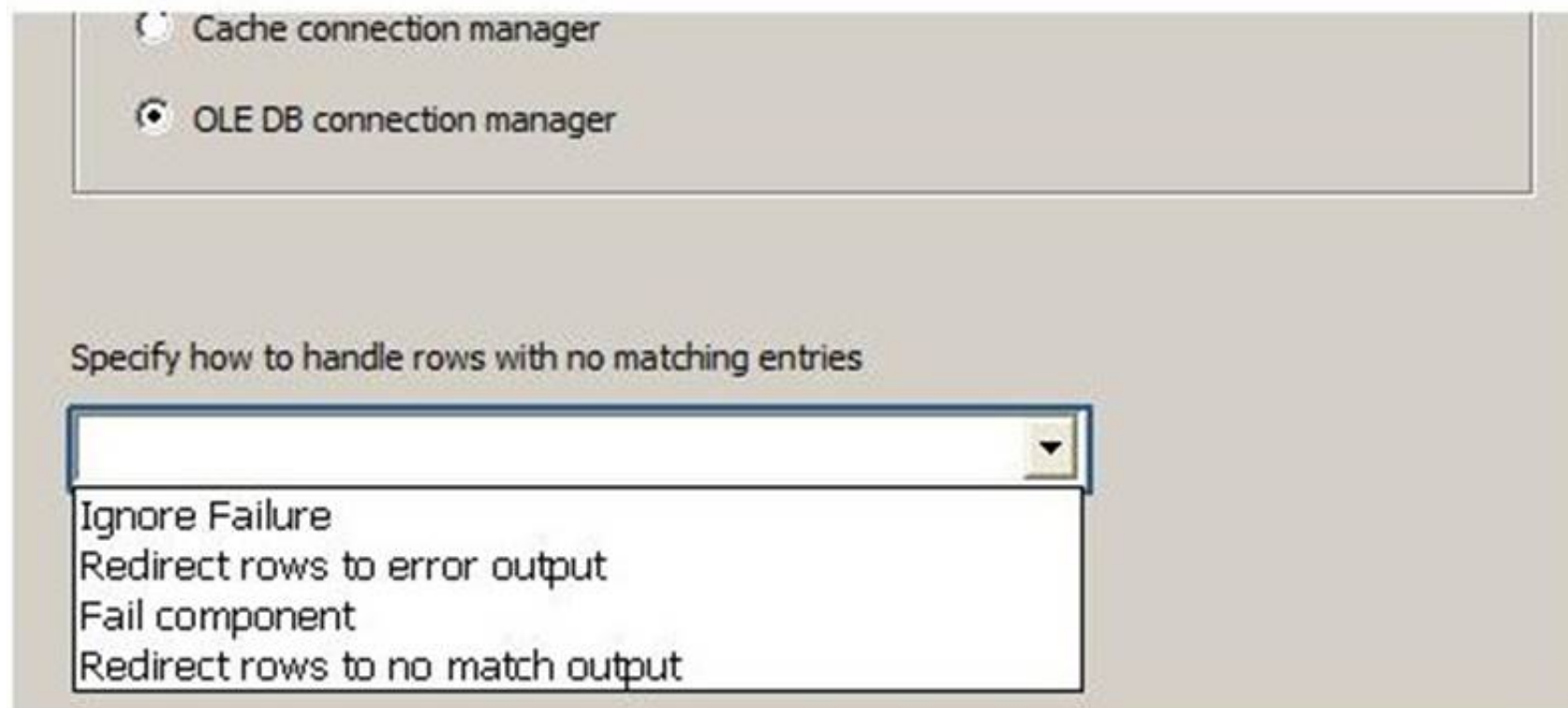
## NEW QUESTION 267

### HOTSPOT

You are developing a SQL Server Integration Services (SSIS) package to implement an incremental data load strategy. The package reads rows from a source system and compares them to rows in a destination system. New rows will be inserted and changed rows will be updated.

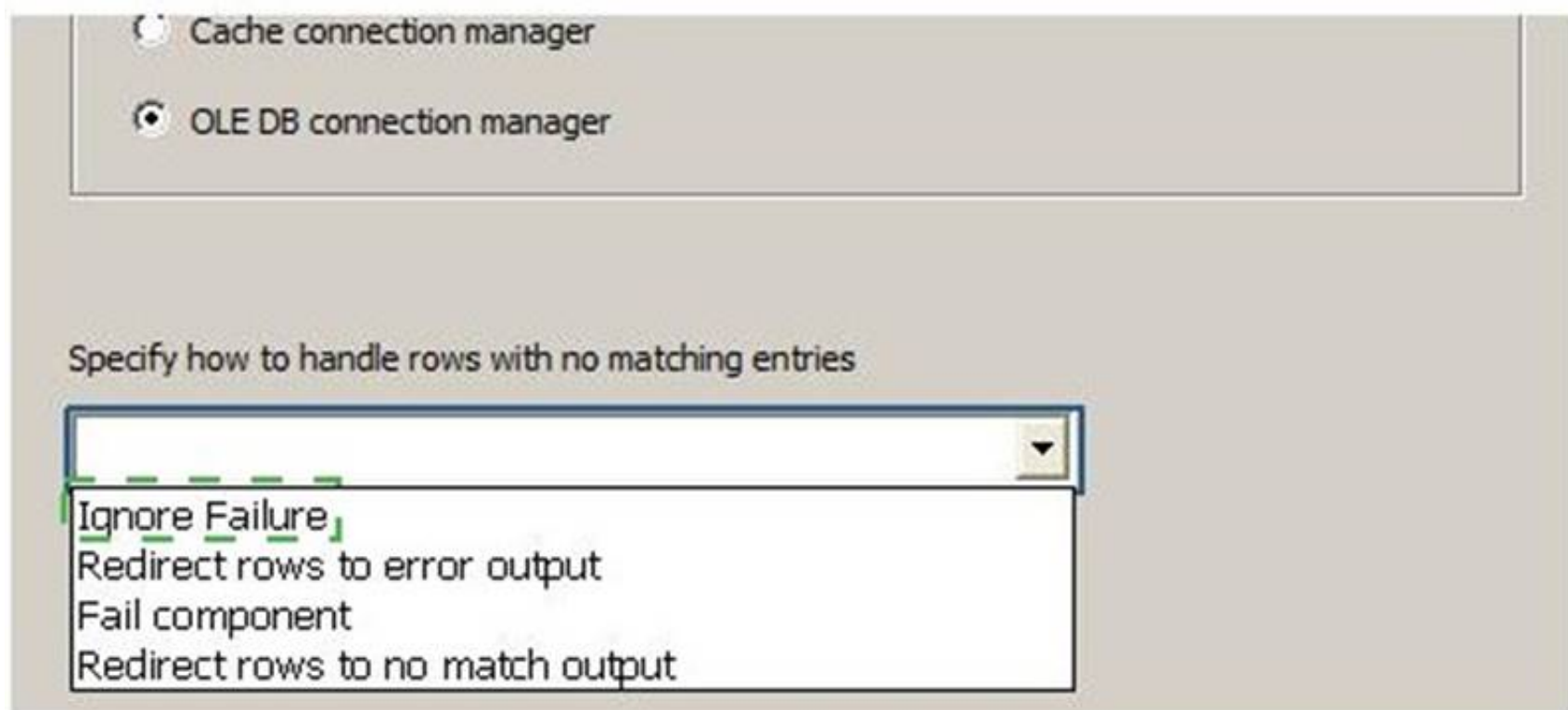
You have used a Lookup transformation and a Conditional Split transformation. The Lookup transformation joins the source and destination table on the business key, and includes all columns from the destination table in the data flow output. The Conditional Split transformation inspects the destination columns and directs data flow to either insert new records or update existing records. You need to configure the Lookup transformation to ensure that all records flow to the Conditional Split transformation, regardless of whether the rows match an existing row in the destination table. Which setting should you select? (To answer, select the appropriate option in the answer area.)





**Answer:**

**Explanation:**



#### NEW QUESTION 268

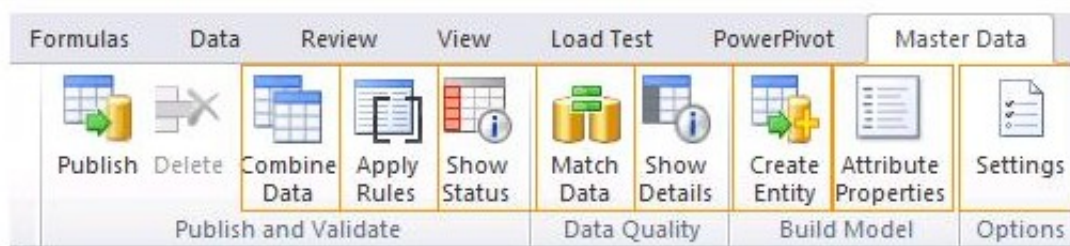
##### HOTSPOT

You are using the Master Data Services (MDS) Add-in for Excel to configure the entities in a model. The model consists of two entities: one named Customer and one named State. You open the Customer entity.

Currently, data stewards can enter any text value in the Customer entity's State attribute. You must restrict the entry of values in the State attribute to members defined in the State entity.

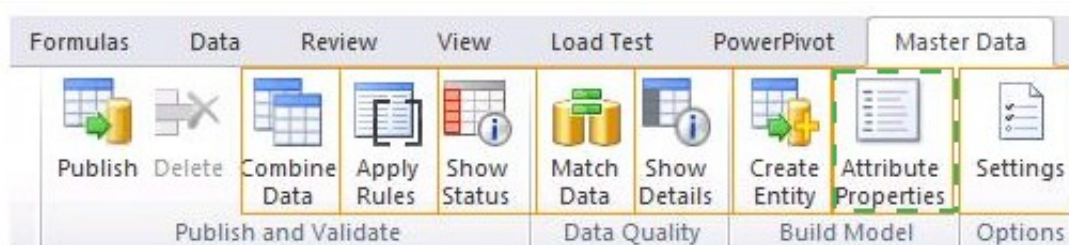
You need to configure the State attribute of the Customer entity.

Which option should you use? (To answer, select the appropriate area in the answer area.)



**Answer:**

**Explanation:**



**NEW QUESTION 272**

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. SQL Server Integration Services Deployment Wizard
- B. SQL Server Configuration Manager
- C. SSIS Upgrade Wizard in SQL Server Management Studio
- D. SSIS Upgrade Wizard in SQL Server 2008 BIDS

**Answer: C**

**Explanation:** You can upgrade packages that were created in earlier versions of Integration Services to the Integration Services format that SQL Server 2012 uses. SQL Server provides the SSIS Package Upgrade Wizard to help in this process. Because you can configure the wizard to backup up your original packages, you can continue to use the original packages if you experience upgrade difficulties.

You can run the SSIS Package Upgrade Wizard from SQL Server Data Tools (SSDT), from SQL Server Management Studio, or at the command prompt.

Note:

\* When you upgrade an instance of SQL Server 2005 or SQL Server 2008 to the current release of SQL Server, your existing SQL Server 2008 Integration Services (SSIS) packages are not automatically upgraded to the package format that the current release SQL Server Integration Services uses. You will have to select an upgrade method and manually upgrade your packages.

**NEW QUESTION 274**

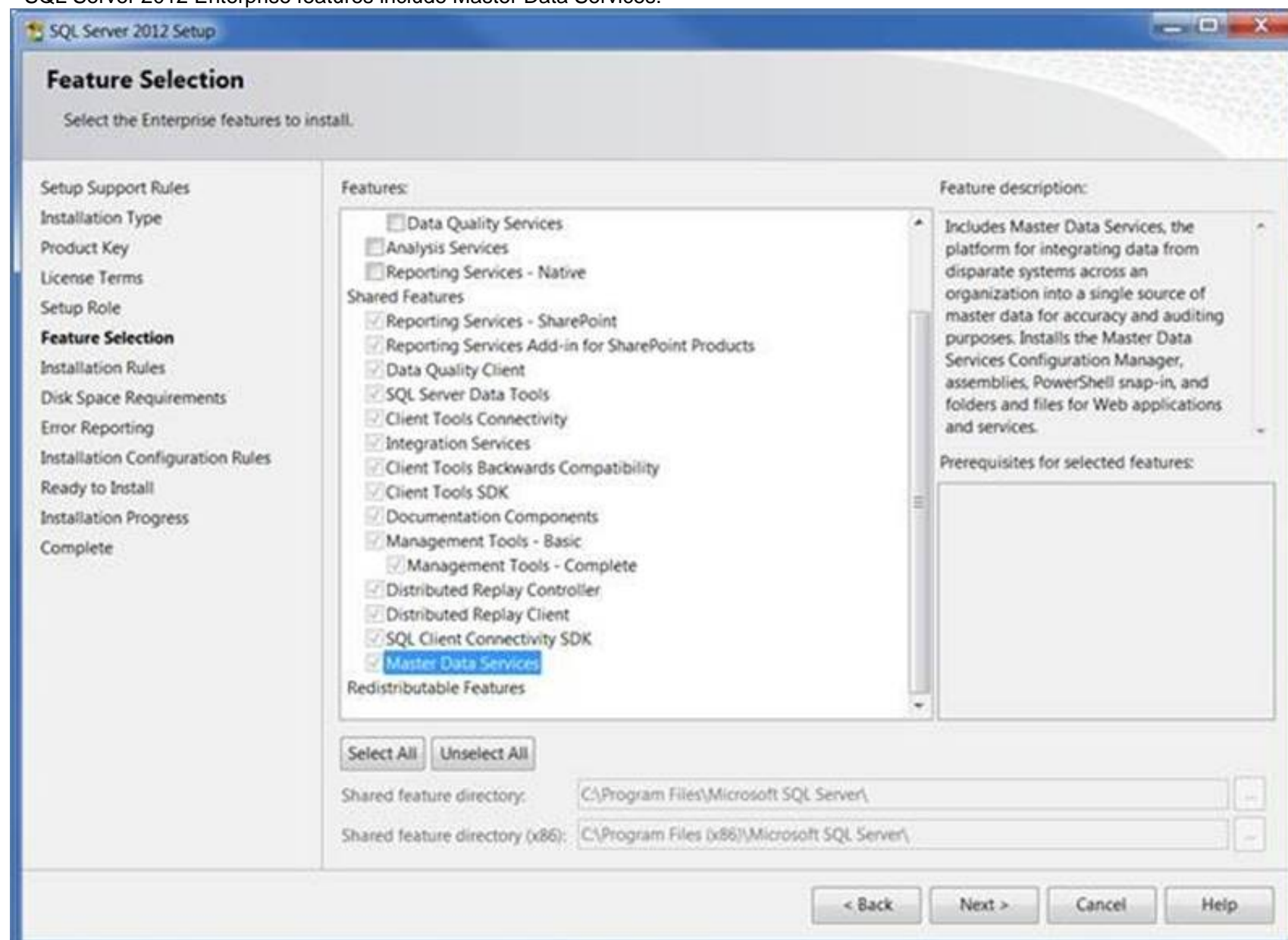
You are preparing to install SQL Server 2012 Master Data Services (MDS). You need to ensure that the database requirements are met. What should you install?

- A. Microsoft SharePoint Foundation 2010 SP1
- B. SQL Server 2012 Enterprise (64-bit) x64 on the database server
- C. SQL Server 2012 Data Center (64-bit) x64 on the database server
- D. SQL Server 2008 Enterprise (64-bit) x64 on the database server

**Answer: B**

**Explanation:** \* Master Data Services is a new feature introduced in SQL Server 2008 R2 and further enhanced in SQL Server 2012.

\* SQL Server 2012 Enterprise features include Master Data Services:



Note:

\* Microsoft SQL Server Master Data Services is a Master Data Management (MDM) product from Microsoft, which will ship as a part of the Microsoft SQL Server database. Originally code-named Bulldog, Master Data Services is the rebranding of the Stratature MDM product titled +EDM, which Microsoft acquired in June 2007. Master Data Services is architecturally similar to +EDM, with increased integration with other Microsoft applications as well as some new features. Master Data Services first shipped with Microsoft SQL Server 2008 R2.



**NEW QUESTION 278**

You are installing the Data Quality Server component of Data Quality Services.

You need to provision the hardware and install the software for the server that runs the Data Quality Server.

You must ensure that the minimum Data Quality Server prerequisites are met. What should you do?

- A. Install SQL Server 2012 Database Engine.
- B. Install Microsoft SharePoint Server 2010 Enterprise Edition with PowerPivot.
- C. Make sure the server has at least 4 GB of RAM.
- D. Install Microsoft Internet Explorer 6.0 SP1 or later.

**Answer:** A

**Explanation:** Data Quality Server Minimum System Requirements

\* SQL Server 2012 Database Engine.

\* Memory (RAM): Minimum: 2 GB Recommended: 4 GB or more

Note: SQL Server Data Quality Services (DQS) is a new feature in SQL Server 2012 that contains the following two components: Data Quality Server and Data Quality Client.

**NEW QUESTION 283**

You are implementing a SQL Server Integration Services (SSIS) package that imports Microsoft Excel workbook data into a Windows Azure SQL Database database. The package has been deployed to a production server that runs Windows Server 2008 R2 and SQL Server 2012.

The package fails when executed on the production server.

You need to ensure that the package can load the Excel workbook data without errors. You need to use the least amount of administrative effort to achieve this goal.

What should you do?

- A. Install a 64-bit ACE driver and execute the package by using the 64-bit run-time option.
- B. Enable Address Windowing Extensions (AWE) for the local SQL Server instance.
- C. Replace the SSIS Excel source with a SSIS Flat File source.
- D. Install a 64-bit ACE driver and replace the Excel source with an OLE DB source.

**Answer:** D

**Explanation:** XLSX files, the new file type in Excel 2007/2010 cannot be opened with Excel Source/Destination in SSIS. To use XLSX in SSIS we need to install ACE driver and use OLE DB Source/Destination to read read/write data in XLSX files.

ACE is a set of components that facilitate the transfer of data between existing Microsoft Office files such as Microsoft Office Access (\*.mdb and \*.accdb) files and Microsoft Office Excel 7 (\*.xls, \*.xlsx, and \*.xlsb) files to Microsoft SQL Server. If the SQL Server or your development box does not have ACE driver then install that 1st.

Note:

\* The most efficient way to link to SQL Server is using an OLEDB connection manager. Incorrect:

Not B:

\* Address Windowing Extensions (AWE) is a Microsoft Windows application programming interface that allows a 32-bit software application to access more physical memory than it has virtual address space.

\* Address Windowing Extensions (AWE) is a set of extensions that allows an application to quickly manipulate physical memory greater than 4GB. Certain data-intensive applications, such as database management systems and scientific and engineering software, need access to very large caches of data.

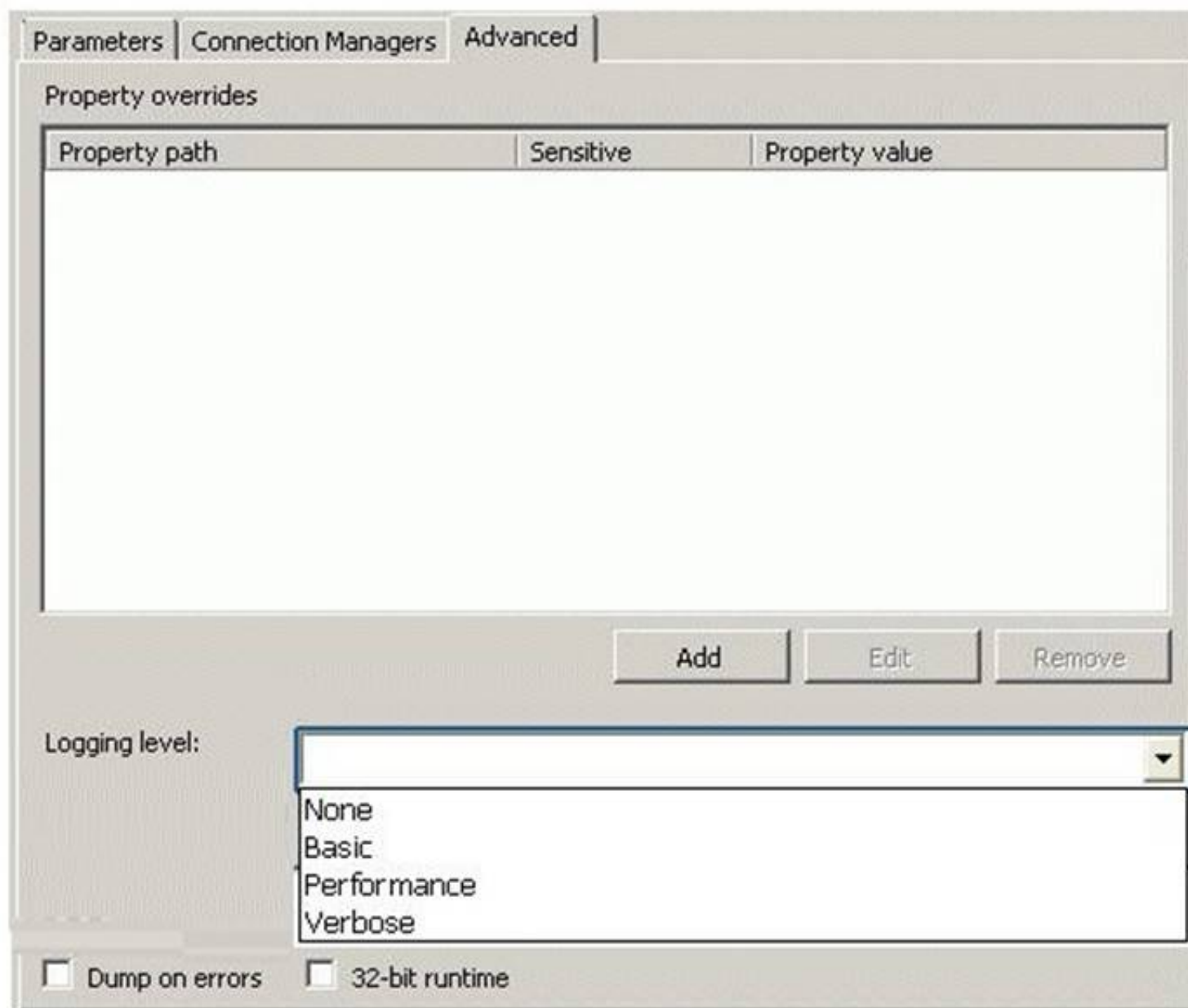
A. In the case of very large data sets, restricting the cache to fit within an application's 2GB of user address space is a severe restriction.

**NEW QUESTION 287****HOTSPOT**

You are developing a SQL Server Integration Services (SSIS) package.

OnError and OnWarning events must be logged for viewing in the built-in SSIS reports by using SQL Server Management Studio.

You need to execute the package and minimize the number of event types that are logged. Which setting should you use? (To answer, change the appropriate setting in the answer area.)



**Answer:**

**Explanation:** Ref: <http://msdn.microsoft.com/en-gb/library/hh231191.aspx>

#### NEW QUESTION 288

You develop a SQL Server Integration Services (SSIS) package in a project by using the Project Deployment Model. It is regularly executed within a multi-step SQL Server Agent job.

You make changes to the package that should improve performance.

You need to establish if there is a trend in the durations of the next 10 successful executions of the package. You need to use the least amount of administrative effort to achieve this goal.

What should you do?

- A. After 10 executions, view the job history for the SQL Server Agent job.
- B. After 10 executions, in SQL Server Management Studio, view the Execution Performance subsection of the All Executions report for the project.
- C. Enable logging to the Application Event Log in the package control flow for the OnInformation even
- D. After 10 executions, view the Application Event Log.
- E. Enable logging to an XML file in the package control flow for the OnPostExecute even
- F. After 10 executions, view the XML file.

**Answer:** B

**Explanation:** The All Executions Report displays a summary of all Integration Services executions that have been performed on the server. There can be multiple executions of the sample package. Unlike the Integration Services Dashboard report, you can configure the All Executions report to show executions that have started during a range of dates. The dates can span multiple days, months, or years.

The report displays the following sections of information.

\* Filter

Shows the current filter applied to the report, such as the Start time range.

\* Execution Information

Shows the start time, end time, and duration for each package execution. You can view a list of the parameter values that were used with a package execution, such as values that were passed to a child package using the Execute Package task.

#### NEW QUESTION 289

You are performance tuning a SQL Server Integration Services (SSIS) package to load sales data from a source system into a data warehouse that is hosted on Windows Azure SQL Database. The package contains a data flow task that has 10 source-to-destination execution trees.

Only five of the source-to-destination execution trees are running in parallel. You need to ensure that all the execution trees run in parallel.

What should you do?

- A. Add OnError and OnWarning event handlers.
- B. Create a new project and add the package to the project.

- C. Query the ExecutionLog table.
- D. Add an Execute SQL task to the event handler

**Answer:** A

#### NEW QUESTION 294

HOTSPOT

You are a data warehouse developer responsible for developing data cleansing processes. Duplicate employees exist in an employee dimension. You need to map, discover, and manage domain values based on the employee dimension.

Which Data Quality Services (DQS) option should you use? (To answer, select the appropriate option in the answer area.)



**Answer:**

**Explanation:**



#### NEW QUESTION 296

HOTSPOT

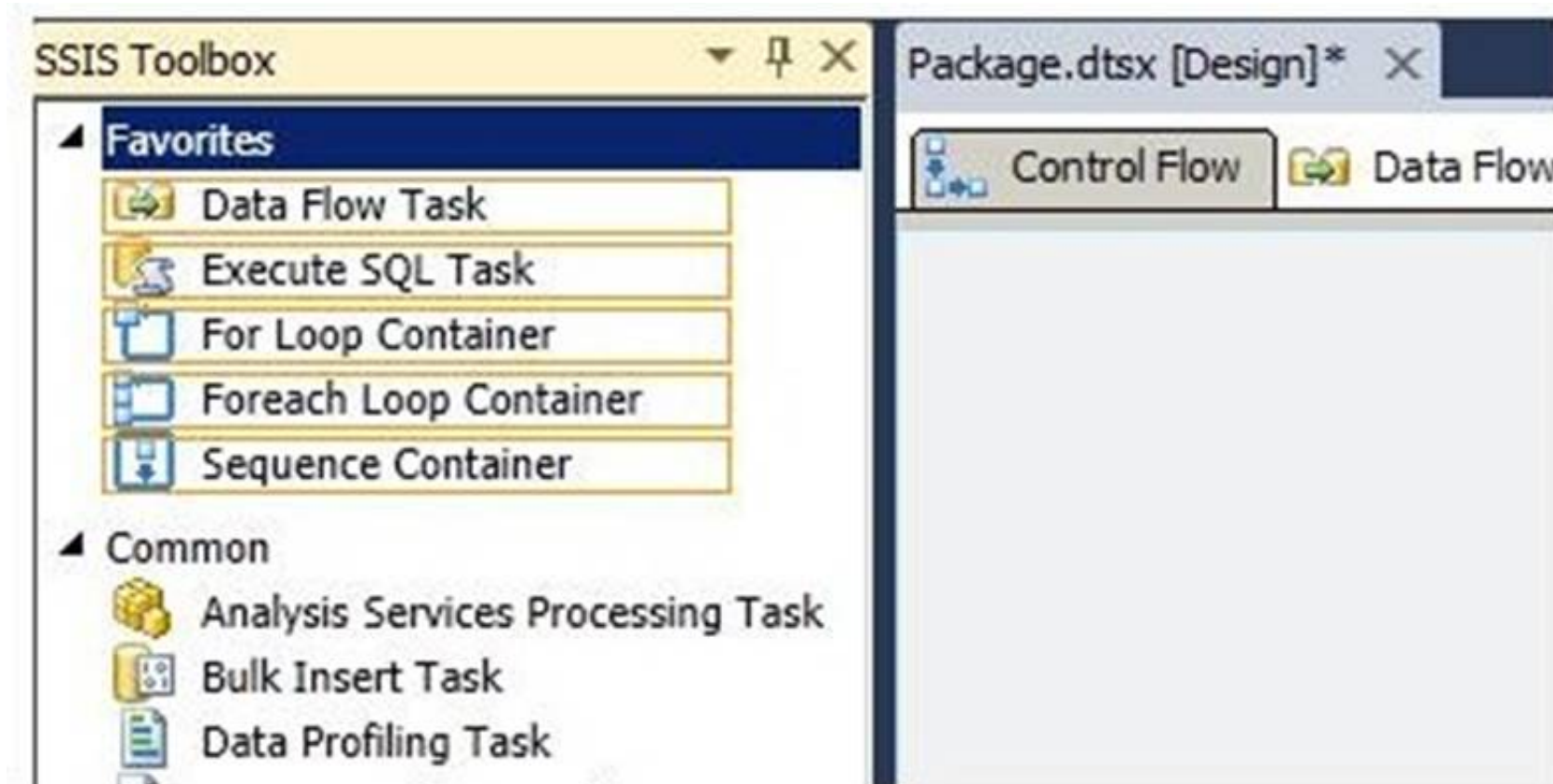
You are developing a SQL Server Integration Services (SSIS) package. The package contains a userdefined variable named @Queue which has an initial value of 10.

The package control flow contains many tasks that must repeat execution until the @Queue variable equals 0.

You need to enable the tasks to be grouped together for repeat execution.

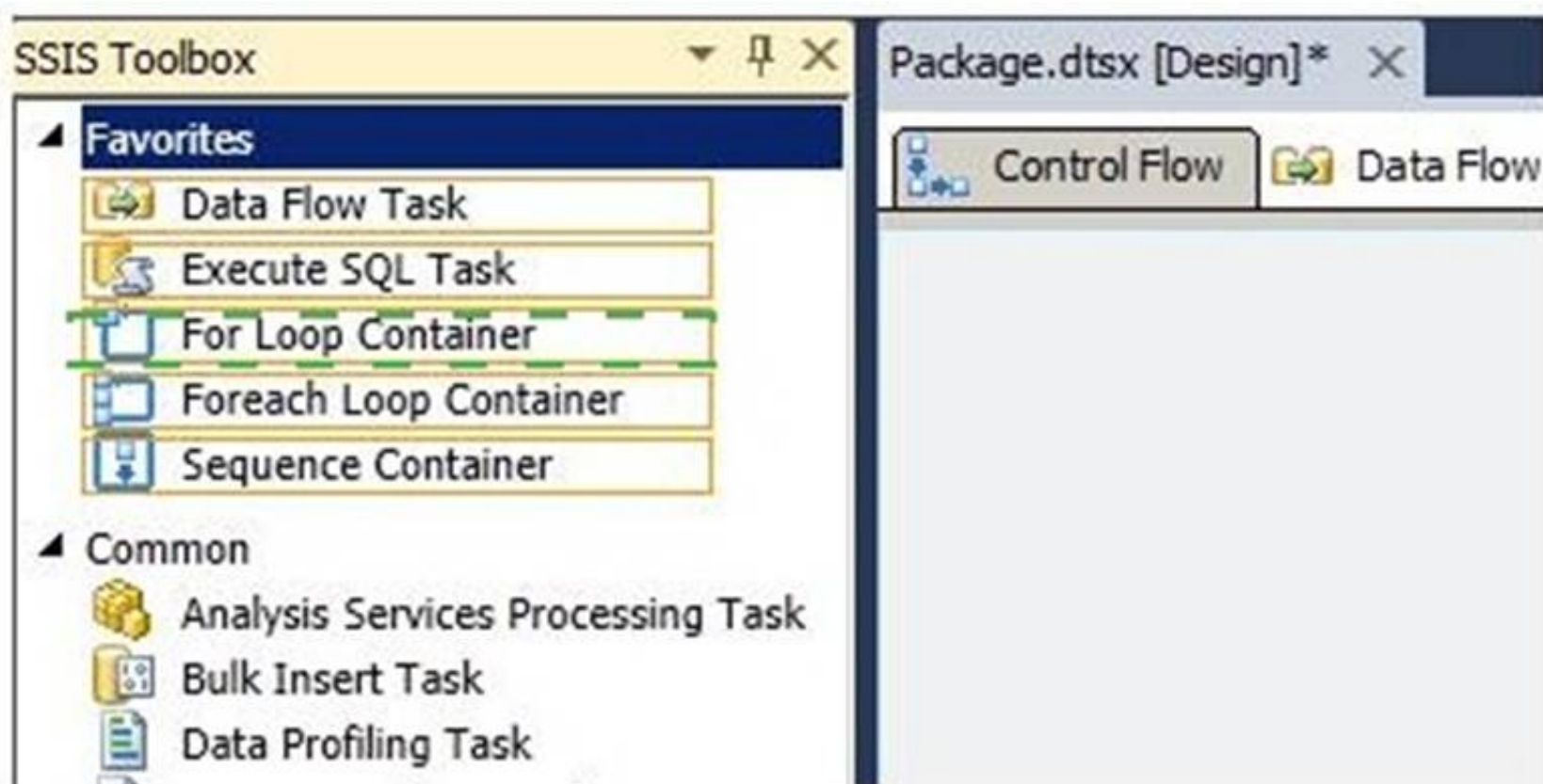
Which item should you add to the package? (To answer, select the appropriate item in the answer area.)





Answer:

Explanation:



#### NEW QUESTION 299

To support the implementation of new reports, Active Directory data will be downloaded to a SQL Server database by using a SQL Server Integration Services (SSIS) 2012 package.

The following requirements must be met:

All the user information for a given Active Directory group must be downloaded to a SQL Server table.

The download process must traverse the Active Directory hierarchy recursively.

You need to configure the package to meet the requirements by using the least development effort. Which item should you use?

- A. Script task
- B. Script component configured as a transformation
- C. Script component configured as a source
- D. Script component configured as a destination

Answer: C

#### NEW QUESTION 304

You are designing a SQL Server Integration Services (SSIS) 2012 package that imports data from a Windows Azure SQL Database database into a SQL Server database.

The SSIS package has the following requirements:

Every night, a very large amount of data is imported into the staging database. Package processing time must be minimized.

The package must run on its own dedicated server when it is deployed to production. Transaction log activity when data is imported must be minimized.

You need to design the package to meet the requirements. Which destination component should you use?

- A. Raw File
- B. ODBC
- C. Bulk Insert
- D. OLE DB

**Answer:** D

#### NEW QUESTION 305

You are implementing a SQL Server Integration Services (SSIS) 2012 package that loads data from various flat files and a Windows Azure SQL Database database.

Daily transactions must be loaded into a staging database. All the SSIS tasks will use the CurrentDate variable as the transaction date.

You need to set the CurrentDate variable to the date stored in a control table of the Windows Azure SQL Database database when the package starts. You need to achieve this goal by using the least amount of development effort.

What should you use to set the variable?

- A. an Expression task
- B. an Execute SQL task
- C. a Script component
- D. a Script task

**Answer:** B

#### NEW QUESTION 309

You are preparing to install SQL Server 2012 Master Data Services (MDS). You need to ensure that the database requirements are met.

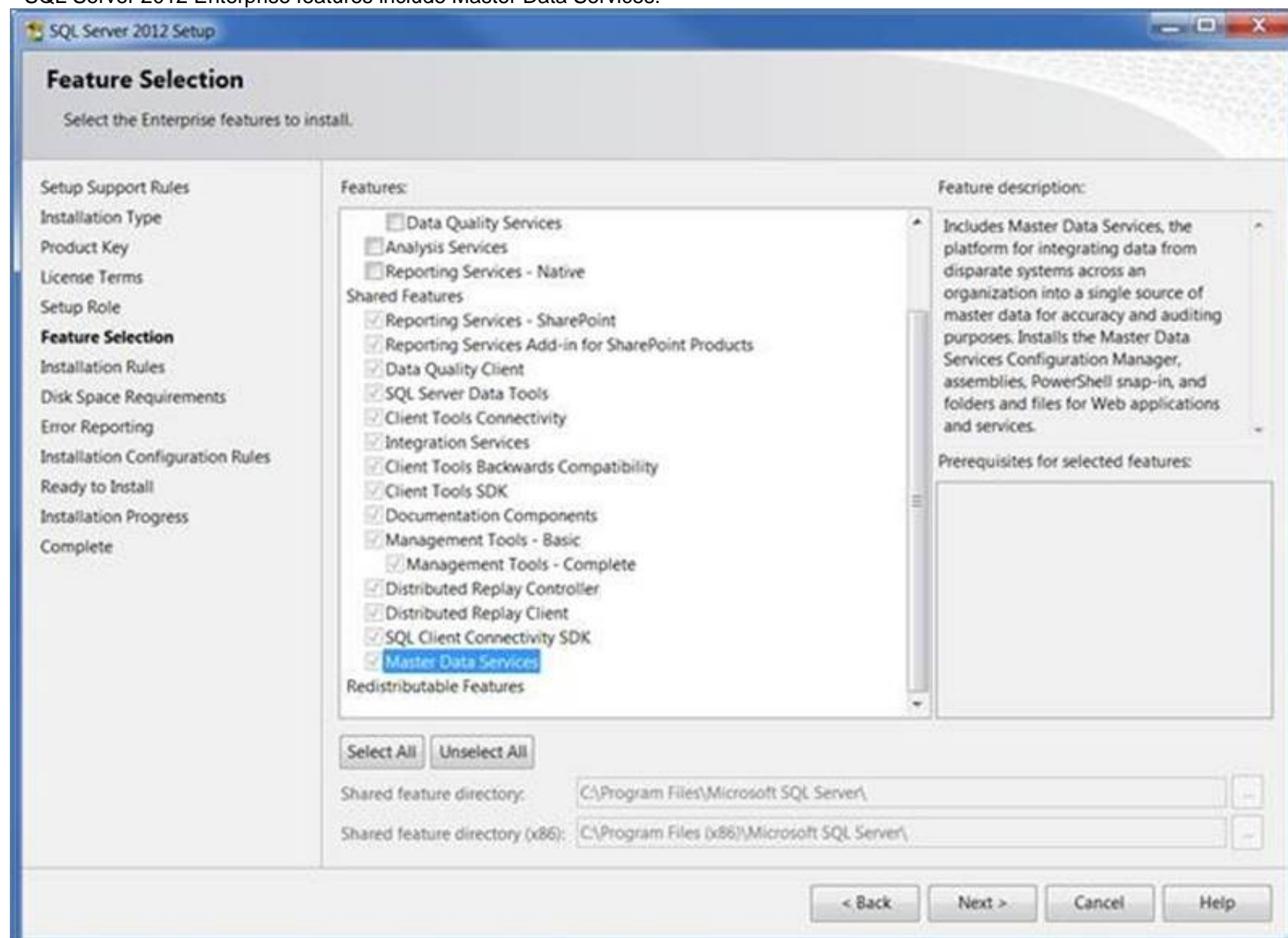
What should you install?

- A. Microsoft SharePoint Server 2010 Standard Edition SP1
- B. Microsoft SharePoint Server 2010 Enterprise Edition SP1
- C. SQL Server 2012 Data Center (64-bit) x64 on the database server
- D. SQL Server 2012 Enterprise (64-bit) x64 on the database server

**Answer:** D

**Explanation:** \* Master Data Services is a new feature introduced in SQL Server 2008 R2 and further enhanced in SQL Server 2012.

\* SQL Server 2012 Enterprise features include Master Data Services:



Note:

\* Microsoft SQL Server Master Data Services is a Master Data Management (MDM) product from Microsoft, which will ship as a part of the Microsoft SQL Server database. Originally code-named Bulldog, Master Data Services is the rebranding of the Stratature MDM product titled +EDM, which Microsoft acquired in June 2007. Master Data Services is architecturally similar to +EDM, with increased integration with other Microsoft applications as well as some new features. Master Data Services first shipped with Microsoft SQL Server 2008 R2.

#### NEW QUESTION 311

You are implementing a SQL Server Integration Services (SSIS) package that imports Microsoft Excel workbook data into a Windows Azure SQL Database



database. The package has been deployed to a production server that runs Windows Server 2008 R2 and SQL Server 2012. The package fails when executed on the production server.

You need to ensure that the package can load the Excel workbook data without errors. You need to use the least amount of administrative effort to achieve this goal.

What should you do?

- A. Create a custom SSIS source component that encapsulates the 32-bit driver and compile it in 64-bit mode.
- B. Install a 64-bit ACE driver and execute the package by using the 64-bit run-time option.
- C. Execute the package by using the 32-bit run-time option.
- D. Replace the SSIS Excel source with a SSIS Flat File source.

**Answer: C**

**Explanation:** \* See step 3 below.

To publish an Excel worksheet to Azure SQL Database, your package will contain a Data Flow Task, Excel Source task, and ADO NET Destination.

- 1) Create an SSIS project.
- 2) Drop a Data Flow Task onto the Control Flow design surface, and double click the Data Flow Task.
- 3) Drop an Excel Source onto the Data Flow design surface.

Note When using the Excel Source task on a 64-bit machine, set Run64BitRuntime to False.

\*Incorrect:

Not D: The Flat File source reads data from a text file. The text file can be in delimited, fixed width, or mixed format.

### NEW QUESTION 316

#### HOTSPOT

You are developing a SQL Server Integration Services (SSIS) package to load data into a SQL Server 2012 database.

The name of the target instance is passed to the package via an Environment variable.

The Environment variable provides the server name to the Project parameter named ServerName. The OLE DB Project Connection Manager has been parameterized.

You need to configure the Connection Manager property to accept the parameter.

Which property and parameter should you use? (To answer, configure the appropriate option or options in the dialog box in the answer area.)



Parameterize - \_\_sql2012

Specify the property to parameterize and the parameter to use. An expression referencing the parameter will be created on the property.

Property:   
 ConnectionString  
 Description  
 InitialCatalog  
 Name  
 Password  
 RetainSameConnection  
 ServerName  
 UserName

☐ Do not use parameter

☒ Use existing parameter

\$Project::DatabaseName  
 \$Project::ProcessDate  
 \$Project::ServerName  
 \$Project::StartDate

☐ Create new parameter

Name: \_\_sql2012\_ConnectionString

Description:

Value: Data Source=.\sql2012;Initial Catalog=testdb;Provider=SQL

Scope:  
☐ Package  
☒ Project

**Answer:**

**Explanation:**

Parameterize - \_\_sql2012

Specify the property to parameterize and the parameter to use. An expression referencing the parameter will be created on the property.

Property:   
 ConnectionString  
 Description  
 InitialCatalog  
 Name  
 Password  
 RetainSameConnection  
 ServerName  
 UserName

☐ Do not use parameter

☒ Use existing parameter

\$Project::DatabaseName  
 \$Project::ProcessDate  
 \$Project::ServerName  
 \$Project::StartDate

☐ Create new parameter

Name: \_\_sql2012\_ConnectionString

Description:

Value: Data Source=.\sql2012;Initial Catalog=testdb;Provider=SQL

Scope:  
☐ Package  
☒ Project

## NEW QUESTION 319

### HOTSPOT

You are the Master Data Services (MDS) administrator at your company. An existing user needs to integrate data from other systems into MDS. You need to give the user permissions to integrate data.

Which user management menu item should you select? (To answer, configure the appropriate option or options in the dialog box in the answer area.)



Answer:

Explanation:



#### NEW QUESTION 321

You are developing a SQL Server Integration Services (SSIS) package.

The package uses a data flow task to source data from a SQL Server database for loading into a dimension table in a data warehouse.

You need to create a separate data flow path for data that has been modified since it was last processed.

Which data flow components should you use to identify modified data? (Each correct answer presents a complete solution. Choose all that apply.)

- A. Multicast
- B. Data Conversion
- C. Lookup
- D. Slowly Changing Dimension
- E. Aggregate

**Answer:** AC

**Explanation:** A: The transformation that distributes data sets to multiple outputs. The transformation that distributes data sets to multiple outputs. C: Lookup Transformation

The transformation that looks up values in a reference table using an exact match. Note:

\* SQL Server Integration Services provides three different types of data flow components: sources, transformations, and destinations. Sources extract data from data stores such as tables and views in relational databases, files, and Analysis Services databases. Transformations modify, summarize, and clean data.

A. Destinations load data into data stores or create in-memory datasets. Incorrect:

Not B: Data Conversion Transformation

The transformation that converts the data type of a column to a different data type. Not D: Slowly Changing Dimension Transformation

The transformation that configures the updating of a slowly changing dimension.

Not E: The Aggregate transformation applies aggregate functions, such as Average, to column values and copies the results to the transformation output. Besides aggregate functions, the transformation provides the GROUP BY clause, which you can use to specify groups to aggregate across.

#### NEW QUESTION 324

You are designing a data warehouse that uses SQL Server 2012.

The data warehouse contains a table named factSales that stores product sales. The table has a clustered index on the primary key, four foreign keys to dimension tables, and an aggregate column for sales totals. All key columns use the INT data type, and the aggregate column uses the MONEY data type.

You need to increase the speed of data retrieval from the factSales table. Which index type should you add to the table?

- A. Full text
- B. Spatial
- C. Non-clustered



D. Clustered

**Answer:** C

#### NEW QUESTION 329

You are completing the installation of the Data Quality Server component of SQL Server Data Quality Services (DQS). You need to complete the post-installation configuration. What should you do?

- A. Run the Data Quality Server Installer.
- B. Install the data providers that are used for data refresh.
- C. Run the dbimpexp.exe command.
- D. Install the Analysis Services OLE DB Provide

**Answer:** A

#### NEW QUESTION 334

You are implementing a new SQL Server Integration Services (SSIS) 2012 package that loads data from various flat files and a Windows Azure SQL Database database.

Daily transactions must be loaded into a staging database. All the SSIS tasks will use the CurrentDate variable as the transaction date.

You need to set the CurrentDate variable to the current execution date when the package starts. You need to achieve this goal by using the least amount of development effort.

What should you use to set the variable?

- A. An Expression task
- B. A Script component
- C. A Script task
- D. An Execute SQL task

**Answer:** A

**Explanation:** Ref: <http://msdn.microsoft.com/en-us/library/ms141214.aspx> <http://blog.sqltechie.com/2012/11/expression-task-in-ssis-2012.html>

#### NEW QUESTION 335

You are developing a SQL Server Integration Services (SSIS) package.

You need to design a package to change a variable value during package execution by using the least amount of development effort.

What should you use?

- A. Expression task
- B. Data Cleansing transformation
- C. Fuzzy Lookup transformation
- D. Term Lookup transformation
- E. Data Profiling task

**Answer:** A

#### NEW QUESTION 339

HOTSPOT

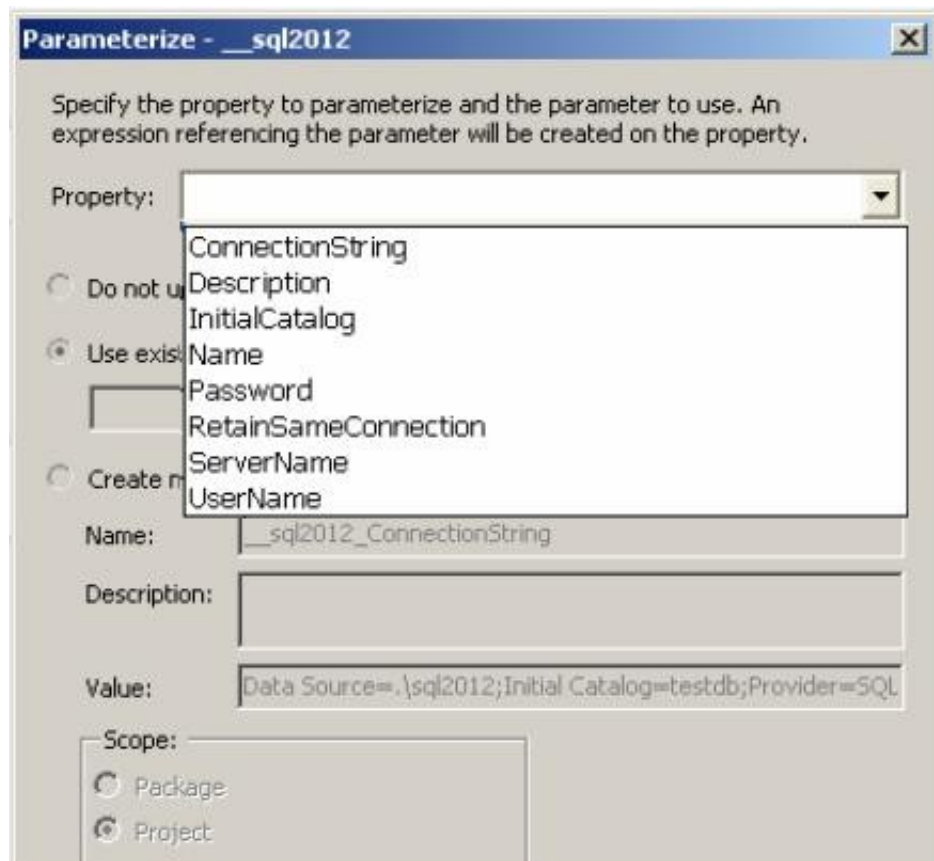
You are developing a SQL Server Integration Services (SSIS) package to load data into a SQL Server 2012 database.

The package is allowed to connect to only one database. An Environment variable contains the name of the database.

The OLE DB project connection manager has been parameterized.

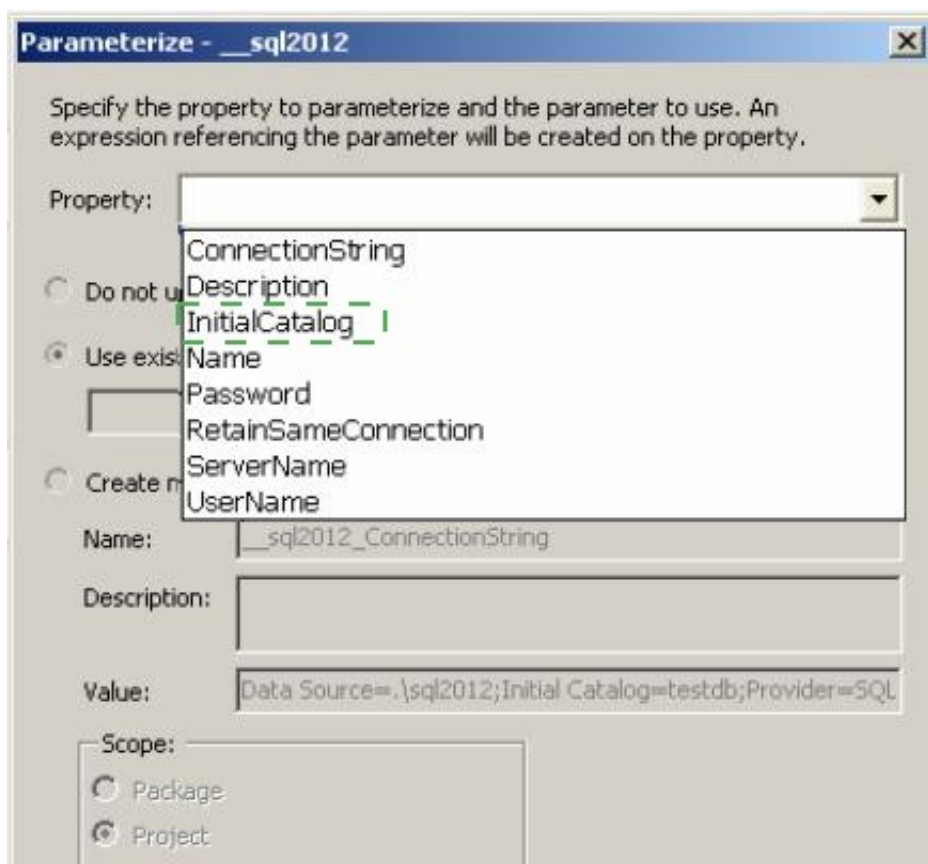
You need to configure the connection manager property to accept the value of the Environment variable.

Which property should you use? (To answer, configure the appropriate option or options in the dialog box in the answer area.)



**Answer:**

**Explanation:**



#### NEW QUESTION 343

You are designing a SQL Server Integration Services (SSIS) data flow to load sales transactions from a source system into a data warehouse hosted on Windows Azure SQL Database. One of the columns in the data source is named ProductCode. Some of the data to be loaded will reference products that need special processing logic in the data flow. You need to enable separate processing streams for a subset of rows based on the source product code. Which Data Flow transformation should you use?

- A. Multicast
- B. Conditional Split
- C. Script Task
- D. Data Conversion

**Answer:** B

**Explanation:** We use Conditional Split to split the source data into separate processing streams. A Script Component (Script Component is the answer to another version of this question) could be used but this is not the same as a Script Task.

#### NEW QUESTION 347

You are administering SQL Server Integration Services (SSIS) permissions on a production server that runs SQL Server 2012. Quality Assurance (QA) testers in the company must have permission to perform the following tasks on specific projects: View and validate projects and packages View Environments and Environment variables Execute packages You need to grant the minimum possible privileges to the QA testers.

What should you do? (Each correct answer presents part of the solution. Choose all that apply.)

- A. In the SSISDB database, add QA Tester logons to the ssis\_admin role.
- B. In the msdb database, add QA Tester logons to the db\_ssisoperator role.
- C. Grant Modify permission in the projects to the QA Tester logons.
- D. Grant Read permission in the SSIS catalog folder, the projects, and the Environments to the QA Tester logons.
- E. Grant Execute permission in the projects to the QA Tester logons.
- F. In the msdb database, add QA Tester logons to the db\_ssisltduser rol

**Answer:** BD

#### NEW QUESTION 349

DRAG DROP

You are building a fact table in a data warehouse.

The table must have a columnstore index. The table cannot be partitioned. You need to design the fact table and load it with data.

Which three 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.)



**Answer:**

**Explanation:** Only nonclustered columnstore indexes are available in SQL Server 2012 so when the index is created, you cannot update the table (without using partition switching). Therefore you have to load the data BEFORE creating the index.

In SQL Server 2014, you could create a clustered columnstore index which would allow updates to the table after the index is created.

#### NEW QUESTION 353

You are designing a data warehouse that contains a product dimension.

The product dimension contains the original product attributes as well as the most recent set of updated attributes. When a product is updated, the original product attributes must be preserved. The product dimension design must:

Support a Type 3 Slowly Changing Dimension (SCD) process Minimize the total storage consumed

You need to design a solution that meets these requirements. What should you do?

- A. Design two table
- B. One table will hold the original product surrogate key and attribute
- C. The other table will hold the most recent product surrogate key and attributes.
- D. Design a table as a Type 2 SCD dimension that holds the surrogate key for each product and its attribute
- E. Limit the number of records per product within the table to two.
- F. Design a table to hold the surrogate key for each product and its attributes as well as additional columns to store the original attributes.
- G. Design a table to hold the surrogate key for each product and its attribute
- H. Add a column to store an indicator that identifies the record as original data or recent data.

**Answer:** C

#### NEW QUESTION 354

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