

Package.dtsx [Design]

Control FlowData FlowParametersEvent HandlersPackage Explo...Execution Resu...

Data Flow Task

1. Write the SQL code to Create Table in SQL Server Management Studio"TrainingDataDemo"with column Data Types.

CREATE TABLE TrainingDataDemo
(CustomerKey int
,MaritalStatus NCHAR (1)
,Gender NVARCHAR (1)
,NumberChildrenAtHome TINYINT
,BikeBuyer NVARCHAR (255)
)

2. Drag or double click "Data Flow Task to the "Control Flow Form".

3. Set up a connection with the "Connection Manager" by right clicking on the Solution Explorer Connection Manager Folder and pick "New Connection Manager" from the context menu.

Connection Managers

(project) localhost.WorkExcel Connection Manager

Output

Show output from: Debug

Information: 0x402090DF at Data Flow Task, OLE DB Destination [30]: The final commit for the data insertion in "OLE DB Destination" has starte
Information: 0x402090E0 at Data Flow Task, OLE DB Destination [30]: The final commit for the data insertion in "OLE DB Destination" has ended
Information: 0x40043008 at Data Flow Task, SSIS.Pipeline: Post Execute phase is beginning.
Information: 0x4004300B at Data Flow Task, SSIS.Pipeline: "OLE DB Destination" wrote 8740 rows.
Information: 0x40043009 at Data Flow Task, SSIS.Pipeline: Cleanup phase is beginning.
SSIS package "C:\Users\Christopher\Desktop\BUSIT115\ImportTrainingDataDemoSolution\SSISTrainingDataDemoSolution\SSISTrainingDataDemo\Package.d
The program '[7276] DtsDebugHost.exe: DTS' has exited with code 0 (0x0).

Solution Explorer

Solution 'SSIS Training Data Demo Solution' (1 project)

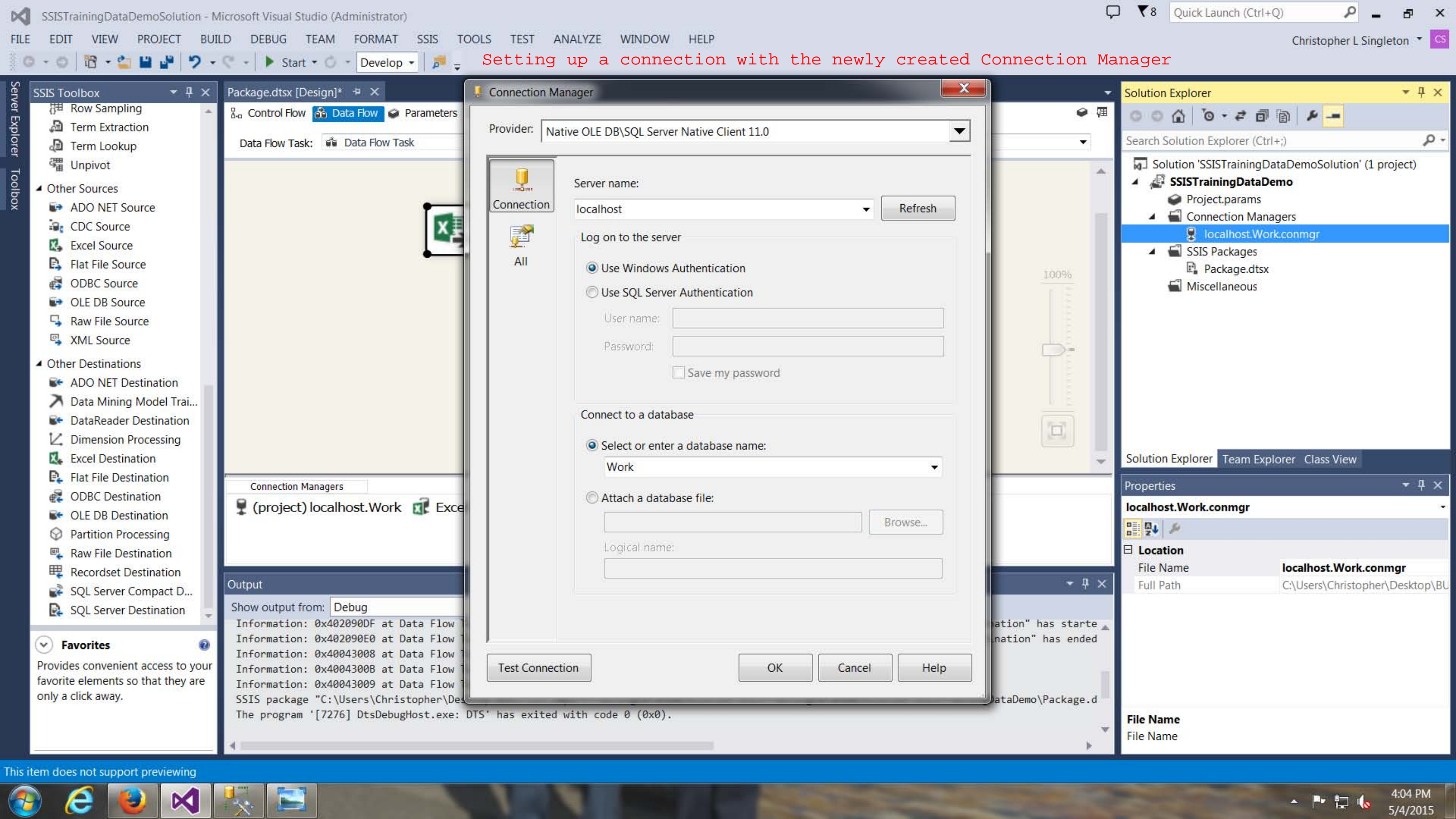
- SSIS Training Data Demo**
 - Project.params
 - Connection Managers
 - localhost.Work.conmgr
 - SSIS Packages
 - Package.dtsx
 - Miscellaneous

Properties

Data Flow Task Task

ForceExecutionValue	False
Identification	
Description	Data Flow Task
ID	{936CF9DE-FBF0-4512-8B2D-1...}
Name	Data Flow Task
PackagePath	\\Package\\Data Flow Task
Misc	
BLOBTempStoragePath	
BufferTempStoragePath	
DefaultBufferMaxRows	10000

Name
Specifies the name of the object.



Setting up a connection with the newly created Connection Manager

SSIS Training Data Demo Solution - Microsoft Visual Studio (Administrator)

FILE EDIT VIEW PROJECT BUILD DEBUG TEAM FORMAT SSIS TOOLS TEST ANALYZE WINDOW HELP

SSIS Toolbox

Row Sampling

Term Extraction

Term Lookup

Unpivot

Other Sources

ADO NET Source

CDC Source

Excel Source

Flat File Source

ODBC Source

OLE DB Source

Raw File Source

XML Source

Other Destinations

ADO NET Destination

Data Mining Model Trai...

DataReader Destination

Dimension Processing

Excel Destination

Flat File Destination

ODBC Destination

OLE DB Destination

Partition Processing

Raw File Destination

Recordset Destination

SQL Server Compact D...

SQL Server Destination

Favorites

Provides convenient access to your favorite elements so that they are only a click away.

Package.dtsx [Design]*

Control Flow Data Flow Parameters Event Handlers Package B...

Data Flow Task: Data Flow Task

Excel Source

OLE DB Destination

Connection Managers

(project) localhost.Work Excel Connection Manager

Output

Show output from: Debug

Information: 0x402090DF at Data Flow Task, OLE DB Destination [30
Information: 0x402090E0 at Data Flow Task, OLE DB Destination [30
Information: 0x40043008 at Data Flow Task, SSIS.Pipeline: Post E
Information: 0x40043008 at Data Flow Task, SSIS.Pipeline: "OLE D
Information: 0x40043009 at Data Flow Task, SSIS.Pipeline: Cleanu
SSIS package "C:\Users\Christopher\Desktop\BUSIT115\ImportTrainin
The program '[7276] DtsDebugHost.exe: DTS' has exited with code

Excel Source Editor

Configure the properties that enable the Data Flow task to obtain data from Excel provider.

Connection Manager
Columns
Error Output

Specify a connection manager, data source, or data source view for the Excel source. Then, select the mode used to access data within the source. After selecting the data access mode, select from among the additional data access options that appear.

Excel connection manager:
Excel Connection Manager New...

Data access mode:
Table or view

Name of the Excel sheet:
TrainingDataDemo\$

Preview...

OK Cancel Help

1. Pick Data Flow (Tab).

2. Drag Drag Data Source into window.

3. Right click on your Data Source, choose Edit.

Specifies the name of the component.

Ready

Windows Explorer

Internet Explorer

Google Chrome

Visual Studio

SSIS Training Data Demo Solution

3:55 PM 5/4/2015

SSIS Training Data Demo Solution - Microsoft Visual Studio (Administrator)

FILE EDIT VIEW PROJECT BUILD DEBUG TEAM FORMAT SSIS TOOLS TEST ANALYZE WINDOW HELP

SSIS Toolbox

- Row Sampling
- Term Extraction
- Term Lookup
- Unpivot
- Other Sources
 - ADO NET Source
 - CDC Source
 - Excel Source
 - Flat File Source
 - ODBC Source
 - OLE DB Source
 - Raw File Source
 - XML Source
- Other Destinations
 - ADO NET Destination
 - Data Mining Model Trai...
 - DataReader Destination
 - Dimension Processing
 - Excel Destination
 - Flat File Destination
 - ODBC Destination
 - OLE DB Destination
 - Partition Processing
 - Raw File Destination
 - Recordset Destination
 - SQL Server Compact D...
 - SQL Server Destination
- Favorites
 - Provides convenient access to your favorite elements so that they are only a click away.

Package.dtsx [Design]*

Control Flow Data Flow Parameters Event Handlers Package B...

Data Flow Task: Data Flow Task

Note: Blue Arrow

1. After Editing the Excel Source, Drag the OLE DB Destination and connect the Blue Data Source Arrow to the OLE DB Destination Control.

Connection Managers

- (project) localhost.Work
- Excel Connection Manager

Output

- Show output from: Debug
- Information: 0x402090DF at Data Flow Task, OLE DB Destination [30
- Information: 0x402090E0 at Data Flow Task, OLE DB Destination [30
- Information: 0x40043008 at Data Flow Task, SSIS.Pipeline: Post E
- Information: 0x40043008 at Data Flow Task, SSIS.Pipeline: "OLE D
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- SSIS package "C:\Users\Christopher\Desktop\BUSIT115\ImportTraini
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Excel Source Editor

Configure the properties that enable the Data Flow task to obtain data from Excel provider.

Connection Manager Columns Error Output

Available External Columns

- ☒ Name
- ☒ CustomerKey
- ☒ MaritalStatus
- ☒ Gender
- ☒ NumberChildrenAtHome

Make sure Columns match. (Were fine here)

External Column	Output Column
CustomerKey	CustomerKey
MaritalStatus	MaritalStatus
Gender	Gender
NumberChildrenAtHome	NumberChildrenAtHome
BikeBuyer	BikeBuyer

OK

Cancel

Help

Ready

3:56 PM 5/4/2015

SSIS Training Data Demo Solution - Microsoft Visual Studio (Administrator)

FILEEDITVIEWPROJECTBUILDDEBUGTEAMFORMATSSIS TOOLSTESTANALYZEWINDOWHELP

SSIS Toolbox

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 - SQL Server Destination

Favorites

- Provides convenient access to your favorite elements so that they are only a click away.

Package.dtsx [Design]*

- Control Flow
- Data Flow Task: Data Flow Task

Connection Managers

- (project) localhost

Output

- Show output from: Debug
- Information: 0x402096
- Information: 0x402096
- Information: 0x400436
- Information: 0x400436
- Information: 0x400436
- SSIS package "C:\User
- The program "[7276] D

OLE DB Destination Editor

Configure the properties used to insert data into a relational database using an OLE DB provider.

Right click on the OLE DB Data Source and choose Edit.

Connection Manager

Mappings

Error Output

Specify an OLE DB connection manager, a data source, or a data source view, and select the data access mode. If using the SQL command access mode, specify the SQL command either by typing the query or by using Query Builder. For fast-load data access, set the table update options.

OLE DB connection manager:

localhost.Work

New...

Data access mode:

Table or view - fast load

Name of the table or the view:

[dbo].[TrainingDataDemo]

New...

☐ Keep identity

☒ Table lock

☐ Keep nulls

☒ Check constraints

Rows per batch:

Maximum insert commit size:

2147483647

View Existing Data...

OK

Cancel

Help

Solution Explorer

Solution 'SSIS Training Data Demo Solution' (1 project)

- SSIS Training Data Demo
 - Project.params
 - Connection Managers
 - localhost.Work.conmgr
 - SSIS Packages
 - Package.dtsx
 - Miscellaneous

Team Explorer

Class View

Properties

OLE DB Destination Data Flow Component

ID	29
IdentificationString	OLE DB Destination
IsDefaultLocale	True
LocaleID	English (United States)
Name	OLE DB Destination
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	4

Custom Properties

Name

- Specifies the name of the component.

Ready

3:57 PM

5/4/2015

SSIS Training Data Demo Solution - Microsoft Visual Studio (Administrator)

FILEEDITVIEWPROJECTBUILDDEBUGTEAMFORMATSSISTOOLSTESTANALYZEWINDOWHELP

SSIS Toolbox

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 - SQL Server Destination

Favorites

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Package.dtsx [Design]*

- Control Flow
- Data Flow Task: Data Flow Task

Connection Managers

- (project) localhost

Output

- Show output from: Debug
- Information: 0x402096
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- SSIS package "C:\User
- The program "[7276] D

OLE DB Destination Editor

Configure the properties used to insert data into a relational database using an OLE DB provider.

Connection Manager

- Mappings
- Error Output

Available Input Columns

- Name
- CustomerKey
- MaritalStatus
- Gender
- NumberChildrenAtHome
- BikeBuyer

Available Destination Columns

- Name
- CustomerKey
- MaritalStatus
- Gender
- NumberChildrenAtHome
- BikeBuyer

Mappings match(Were doing good)!

Input Column	Destination Column
CustomerKey	CustomerKey
MaritalStatus	MaritalStatus
Gender	Gender
NumberChildrenAtHome	NumberChildrenAtHome
BikeBuyer	BikeBuyer

OKCancelHelp

Solution Explorer

- Solution 'SSIS Training Data Demo Solution' (1 project)
 - SSIS Training Data Demo
 - Project.params
 - Connection Managers
 - localhost.Work.commgr
 - SSIS Packages
 - Package.dtsx
 - Miscellaneous

Solution ExplorerTeam ExplorerClass View

Properties

OLE DB Destination Data Flow Component

- ID29
- IdentificationStringOLE DB Destination
- IsDefaultLocaleTrue
- LocaleIDEnglish (United States)
- NameOLE DB Destination
- PipelineVersion0
- UsesDispositionsTrue
- ValidateExternalMetadataTrue
- Version4

Custom Properties

- Name
 - Specifies the name of the component.

Ready

3:58 PM5/4/2015

SSIS Training Data Demo Solution - Microsoft Visual Studio (Administrator)

FILEEDITVIEWPROJECTBUILDDEBUGTEAMFORMATSSIS TOOLSTESTANALYZEWINDOWHELP

Christopher L Singleton

SSIS Toolbox

Row Sampling

Term Extraction

Term Lookup

Unpivot

Other Sources

ADO NET Source

CDC Source

Excel Source

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OLE DB Source

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XML Source

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Partition Processing

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SQL Server Compact D...

SQL Server Destination

Favorites

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Package.dtsx [Design]

Control Flow

Data Flow

Parameters

Event Handlers

Package Explo...

Execution Resu...

Data Flow Task: Data Flow Task

Excel Source

OLE DB Destination

Press F5 on your keyboard to initiate the controls to send the data.

Connection Managers

(project) localhost.Work Excel Connection Manager

Output

Show output from: Debug

Information: 0x402090DF at Data Flow Task, OLE DB Destination [30]: The final commit for the data insertion in "OLE DB Destination" has starte

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Information: 0x40043008 at Data Flow Task, SSIS.Pipeline: "OLE DB Destination" wrote 8740 rows.

Information: 0x40043009 at Data Flow Task, SSIS.Pipeline: Cleanup phase is beginning.

SSIS package "C:\Users\Christopher\Desktop\BUSIT115\ImportTrainingDataDemoSolution\SSIS Training Data Demo Solution\SSIS Training Data Demo\Package.d

The program '[7276] DtsDebugHost.exe: DTS' has exited with code 0 (0x0).

Solution Explorer

Solution 'SSIS Training Data Demo Solution' (1 project)

SSIS Training Data Demo

Project.params

Connection Managers

localhost.Work.conmgr

SSIS Packages

Package.dtsx

Miscellaneous

Properties

Data Flow Task Task

ForceExecutionValue

False

Identification

Description

ID

Name

PackagePath

Misc

BLOBTempStoragePath

BufferTempStoragePath

DefaultBufferSize

Name

Data Flow Task

(936CF9DE-FBF0-4512-8B2D-I

Data Flow Task

\\Package\Data Flow Task

10000

Specifies the name of the object.

Ready

SSIS Training Data Demo Solution - Microsoft Visual Studio (Administrator)

FILEEDITVIEWPROJECTBUILDDEBUGTEAMSSISTOOLSTESTANALYZEWINDOWHELP

Christopher L Singleton

SSIS Toolbox

Package.dtsx [Design]*

Control FlowData FlowParametersEvent HandlersPackage ExplorerExecution Results

Package

Validation has started

Task Data Flow Task

Validation has started (2)

[SSIS.Pipeline] Information: Validation phase is beginning.

Progress: Validating - 0 percent complete

Progress: Validating - 50 percent complete

[OLE DB Destination [30]] Warning: Truncation may occur due to inserting data from data flow column "MaritalStatus" with a length of 255 to database column "MaritalStatus" with a length of 1.

[OLE DB Destination [30]] Warning: Truncation may occur due to inserting data from data flow column "Gender" with a length of 255 to database column "Gender" with a length of 1.

Progress: Validating - 100 percent complete

Validation is completed (2)

Start, 3:41:16 PM

[SSIS.Pipeline] Information: Validation phase is beginning.

Progress: Validating - 0 percent complete

Progress: Validating - 50 percent complete

[OLE DB Destination [30]] Warning: Truncation may occur due to inserting data from data flow column "MaritalStatus" with a length of 255 to database column "MaritalStatus" with a length of 1.

[OLE DB Destination [30]] Warning: Truncation may occur due to inserting data from data flow column "Gender" with a length of 255 to database column "Gender" with a length of 1.

Progress: Validating - 100 percent complete

[SSIS.Pipeline] Information: Prepare for Execute phase is beginning.

Progress: Prepare for Execute - 0 percent complete

Progress: Prepare for Execute - 50 percent complete

Progress: Prepare for Execute - 100 percent complete

[SSIS.Pipeline] Information: Pre-Execute phase is beginning.

Progress: Pre-Execute - 0 percent complete

Progress: Pre-Execute - 50 percent complete

Progress: Pre-Execute - 100 percent complete

[SSIS.Pipeline] Information: Execute phase is beginning.

[OLE DB Destination [30]] Information: The final commit for the data insertion in "OLE DB Destination" has started.

[OLE DB Destination [30]] Information: The final commit for the data insertion in "OLE DB Destination" has ended.

[SSIS.Pipeline] Information: Post Execute phase is beginning.

Progress: Post Execute - 0 percent complete

Progress: Post Execute - 50 percent complete

Progress: Post Execute - 100 percent complete

[SSIS.Pipeline] Information: "OLE DB Destination" wrote 8740 rows.

[SSIS.Pipeline] Information: Cleanup phase is beginning.

Progress: Cleanup - 0 percent complete

Progress: Cleanup - 50 percent complete

Progress: Cleanup - 100 percent complete

Finished, 3:41:16 PM, Elapsed time: 00:00:00.624

Validation is completed

Start, 3:41:16 PM

Finished, 3:41:16 PM, Elapsed time: 00:00:00.702

Server Explorer

Toolbox

Solution Explorer

Solution 'SSIS Training Data Demo Solution' (1 project)

SSIS Training Data Demo

Project.params

Connection Managers

localhost.Work.commgr

SSIS Packages

Package.dtsx

Miscellaneous

Properties

Data Flow Task Task

MaximumErrorCount1

Forced Execution Value

ForcedExecutionValue0

ForcedExecutionValueTypeInt32

ForceExecutionValueFalse

Identification

DescriptionData Flow Task

ID{936CF9DE-FBF0-4512-8B2D-I

NameData Flow Task

Name

Specifies the name of the object.

Output

Show output from: Debug

Validation of the Execution Process (Completed Successfully).

Ready

4:07 PM

5/4/2015