

1-What is business Intelligence, SQL Server Integration Service-SSIS

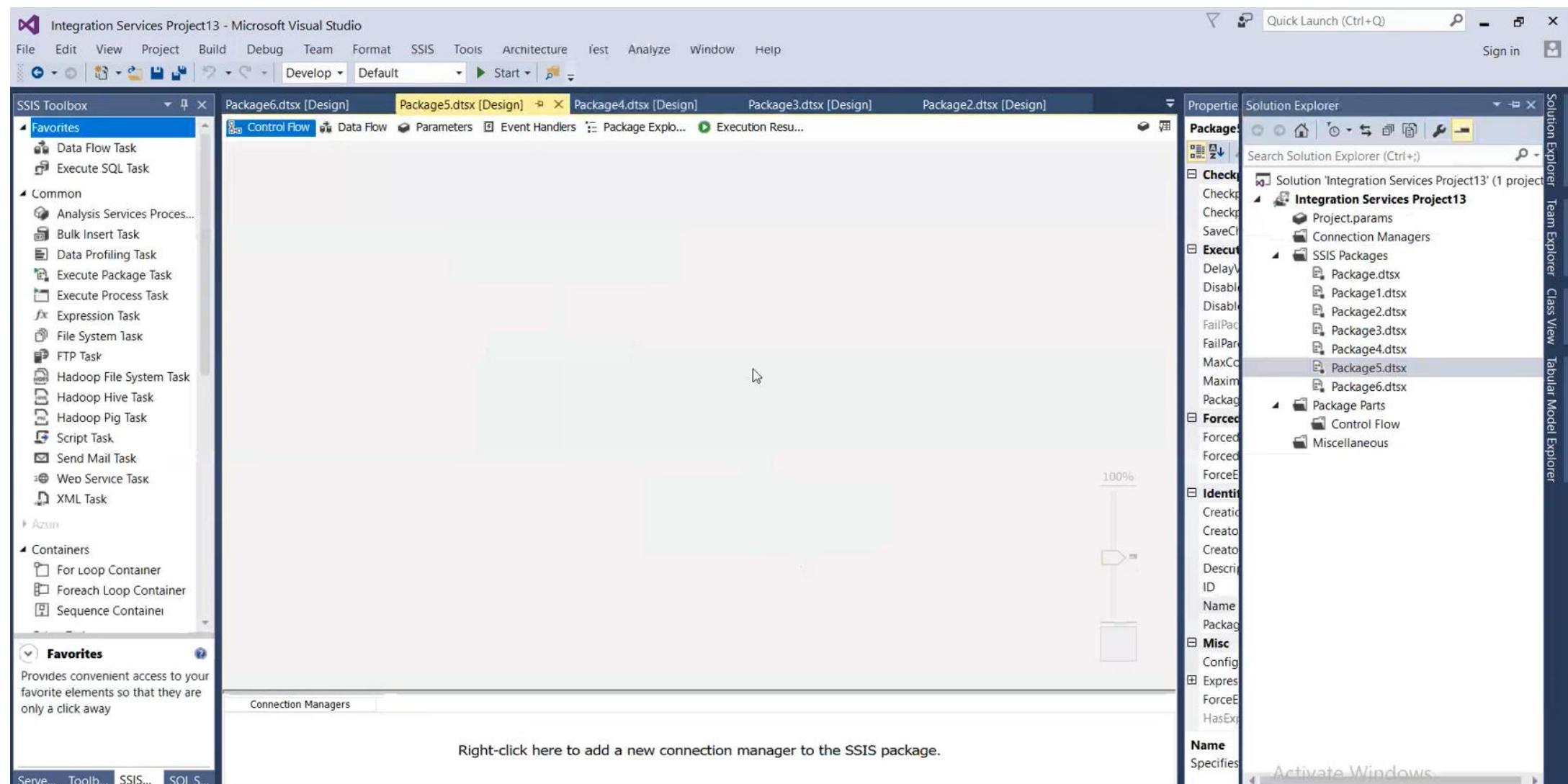
Object Explorer

Connect ▾

. (SQL Server 13.0.1742.0 - DESKTOP-VF50P25\Ram)

- Databases
 - System Databases
 - Database Snapshots
 - AdventureWorks2012
 - AdventureWorksDW2012
 - Company_SD
 - ITI
 - Mansoura_DB
 - ReportServer
 - ReportServerTempDB
 - SD
 - MyDW**
 - Database Diagrams
 - Tables
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
 - Security
 - Server Objects
 - Replication
 - PolyBase
 - AlwaysOn High Availability
 - Management
 - Integration Services Catalogs
 - SQL Server Agent

Output



1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File View Project Tools Architecture Start Tools Help

SSIS Toolbox

Package6.dtsx [Design] Package5.dtsx [Design]* Package4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer Execution Results

Data Flow Task

Execute SQL Task

Common

- Analysis Services Process...
- Bulk Insert Task
- Data Profiling Task
- Execute Package Task
- Execute Process Task
- Expression Task
- File System Task
- FTP Task
- Hadoop File System Task
- Hadoop Hive Task
- Hadoop Pig Task
- Script Task
- Send Mail Task
- Web Service Task
- XML Task

Azure

Containers

- For Loop Container
- Foreach Loop Container
- Sequence Container

Data Flow Task

Moves data between sources and destinations while transforming and cleaning. Data can be moved between tables and files while..

Find Samples

Connection Managers

Right-click here to add a new connection manager to the SSIS package.

Properties

Data Flow Task Task

Execution

- DelayValidation False
- Disable False
- DisableEventHandlers False
- FailPackageOnFailure False
- FailParentOnFailure False
- MaximumErrorCount 1

Forced Execution Value

- ForcedExecutionValue 0
- ForcedExecutionValueType Int32
- ForceExecutionValue False

Identification

- Description Data Flow Task
- ID 145BD42FB-2FF3-4630-B8A9-C
- Name Data Flow Task
- PackagePath \Package\Data Flow Task

Misc

- AutoAdjustBufferSize False
- BLOBTempStoragePath
- BufferTempStoragePath
- DefaultBufferMaxRows 10000
- DefaultBufferSize 10485760
- EngineThreads 10
- ExecValueVariable <none>

Expressions

- ForceExecutionResult None
- HasExpressions False
- LocaleID English (United Kingdom)
- LoggingMode UseParentSetting
- RunInOptimizedMode True

Name

Specifies the name of the object.

Activate Windows

Serve... Toolb... SSIS... SQL S...

1-What is business Intelligence, SQL Server Integration Service-SSIS

The screenshot shows the Microsoft Visual Studio interface for an SSIS project named "Integration Services Project13". The main area displays the SSIS Toolbox, which includes sections for Favorites, Common, and Derived columns. The "Data Flow" tab is selected in the toolbox. The central workspace is currently empty, with a placeholder message: "Right-click here to add a new connection manager to the SSIS package." To the right of the workspace, the Properties window is open, showing the configuration for a "Data Flow Task". The "Execution" section is expanded, displaying properties like DelayValidation (False), Disable (False), and MaximumErrorCount (1). The "Forced Execution Value" section shows ForcedExecutionValue (0) and ForcedExecutionValueType (Int32). The "Identification" section lists the task's Description (Data Flow Task), ID (45BD42FB-2FF3-4630-B8A9-C), Name (Data Flow Task), and PackagePath (Package\Data Flow Task). The "Misc" section contains properties such as AutoAdjustBufferSize (False), BufferTempStoragePath, DefaultBufferMaxRows (10000), DefaultBufferSize (10485760), EngineThreads (10), ExecValueVariable (<none>), ForceExecutionResult (None), HasExpressions (False), LocaleID (English (United Kingdom)), LoggingMode (UseParentSetting), and RunInOptimizedMode (True). The "Name" section at the bottom defines the name of the object. The status bar at the bottom indicates "Activate Windows" and "Go to Settings to activate Windows".

Properties

Data Flow Task Task

Execution

- DelayValidation: False
- Disable: False
- DisableEventHandlers: False
- FailPackageOnFailure: False
- FailParentOnFailure: False
- MaximumErrorCount: 1

Forced Execution Value

- ForcedExecutionValue: 0
- ForcedExecutionValueType: Int32
- ForceExecutionValue: False

Identification

- Description: Data Flow Task
- ID: 45BD42FB-2FF3-4630-B8A9-C
- Name: Data Flow Task
- PackagePath: \Package\Data Flow Task

Misc

- AutoAdjustBufferSize: False
- BLOBTempStoragePath
- BufferTempStoragePath
- DefaultBufferMaxRows: 10000
- DefaultBufferSize: 10485760
- EngineThreads: 10
- ExecValueVariable: <none>
- Expressions
- ForceExecutionResult: None
- HasExpressions: False
- LocaleID: English (United Kingdom)
- LoggingMode: UseParentSetting
- RunInOptimizedMode: True

Name

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Go to Settings to activate Windows.

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

Package6.dtsx [Design] Package5.dtsx [Design]* Package4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer Execution Results

SSIS Toolbox

Favorites

- Destination Assistant
- Source Assistant

Common

- Aggregate
- Balanced Data Distribut...
- Conditional Split
- Data Conversion
- Data Streaming Destina...
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimen...
- Sort
- Union All

Favorites

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

Connection Managers

Right-click here to add a new connection manager to the SSIS package.

Serve... Toolb... SSIS... SQL S...

Output Error List Data Tools Operations

Quick Launch (Ctrl+Q) Sign In

Solution Explorer Team Explorer Class View Tabular Model Explorer

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Tools Architecture Help

Develop Default Start

SSIS Toolbox

Package6.dtsx [Design] Package5.dtsx [Design]* Package4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer Execution Results

Data Flow Task: Data Flow Task

Properties

Data Flow Task Task

Execution

DelayValidation	False
Disable	False
DisableEventHandlers	False
FailPackageOnFailure	False
FailParentOnFailure	False
MaximumErrorCount	1

Forced Execution Value

ForcedExecutionValue	0
ForcedExecutionValueType	Int32
ForceExecutionValue	False

Identification

Description	Data Flow Task
ID	I45BD42FB-2FF3-4630-B8A9-C
Name	Data Flow Task
PackagePath	\Package\Data Flow Task

Misc

AutoAdjustBufferSize	False
BLOBTempStoragePath	
BufferTempStoragePath	
DefaultBufferMaxRows	10000
DefaultBufferSize	10485760
EngineThreads	10
ExecValueVariable	<none>

Expressions

ForceExecutionResult	None
HasExpressions	False
LocaleID	English (United Kingdom)
LoggingMode	UseParentSetting
RunInOptimizedMode	True

Name

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Activate Windows
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Connection Managers

Right-click here to add a new connection manager to the SSIS package.

Serve... Toolbars SSIS... SQL Server

Output Error List Data Tools Operations

Solution Explorer Team Explorer Class View Tabular Model Explorer

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team SSIS Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

SSIS Toolbox

Package6.dtsx [Design] Package5.dtsx [Design]* Package4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer Execution Results

Data Flow Task: Data Flow Task

Source Assistant

Favorites Destination Assistant Source Assistant

Common Aggregate Balanced Data Distributor Conditional Split Data Conversion Data Streaming Destination Derived Column HDFS File Destination HDFS File Source Lookup Merge Merge Join Multicast OData Source ODBC Destination ODBC Source OLE DB Command Row Count Script Component Slowly Changing Dimension Sort Union All

Source Assistant

Extracts data from a variety of sources. The assistant will guide you through the steps of creating a source and associating it with...

Find Samples

Connection Managers

Right-click here to add a new connection manager to the SSIS package.

Source Assistant - Add New Source

Select source type: SQL Server

Select connection managers New...

Show only installed source types

First, select the type of source for the data. Second, click New or OK to create a connection or select an existing connection to the source.

OK Cancel

Properties

Data Flow Task Task

Execution

- DelayValidation: False
- Disable: False
- DisableEventHandlers: False
- FailPackageOnFailure: False
- FailParentOnFailure: False
- MaximumErrorCount: 1

Forced Execution Value

- ForcedExecutionValue: 0
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- Description: Data Flow Task
- ID: (45BD42FB-2FF3-4630-B8A9-C)
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Misc

- AutoAdjustBufferSize: False
- BLOBTempStoragePath
- BufferTempStoragePath
- DefaultBufferMaxRows: 10000
- DefaultBufferSize: 10485760
- EngineThreads: 10
- ExecValueVariable: <none>

Expressions

- ForceExecutionResult: None
- HasExpressions: False
- LocaleID: English (United Kingdom)
- LoggingMode: UseParentSetting
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Serve... Toolbars SSIS... SQL S... Output Error List Data Tools Operations

Ready

Publish

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File New Open Recent Tools Architecture Test Help

Develop Default Start

SSIS Toolbox

Package6.dtsx [Design] Package5.dtsx [Design]* Package4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer Execution Results

Data Flow Task: Data Flow Task

Source Assistant

Favorites

- Destination Assistant
- Source Assistant

Common

- Aggregate
- Balanced Data Distribut...
- Conditional Split
- Data Conversion
- Data Streaming Destin...
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
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- ODBC Source
- OLE DB Command
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- Union All

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- ForcedExecutionValue 0
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Identification

- Description Data Flow Task
- ID {45BD42FB-2FF3-4630-B8A9-C}
- Name Data Flow Task
- PackagePath \Package\Data Flow Task

Misc

- AutoAdjustBufferSize False
- BLOBTempStoragePath
- BufferTempStoragePath
- DefaultBufferMaxRows 10000
- DefaultBufferSize 10485760
- EngineThreads 10
- ExecValueVariable <none>

Expressions

- ForceExecutionResult None
- HasExpressions False
- LocaleID English (United Kingdom)
- LoggingMode UseParentSetting
- RunInOptimizedMode True

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Serve... Toolb... SSIS... SQL S...

Output Error List Data Tools Operations

Ready

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Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team SSIS Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

SSIS Toolbox

Package6.dtsx [Design] Package5.dtsx [Design]* Package4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer Execution Results

Data Flow Task: Data Flow Task

Excel Connection Manager

Specify an Excel file to connect to by selecting an existing file or by providing a file path to create a new file.

Excel connection settings

Excel file path: F:\mystuds.xls

Excel version: Microsoft Excel 97-2003

First row has column names

OK Cancel

Properties

Data Flow Task Task

Execution

- DelayValidation False
- Disable False
- DisableEventHandlers False
- FailPackageOnFailure False
- FailParentOnFailure False
- MaximumErrorCount 1

Forced Execution Value

- ForcedExecutionValue 0
- ForcedExecutionValueType Int32
- ForceExecutionValue False

Identification

- Description Data Flow Task
- ID (45BD42FB-2FF3-4630-B8A9-C)
- Name Data Flow Task
- PackagePath \Package\Data Flow Task

Misc

- AutoAdjustBufferSize False
- BLOBTempStoragePath
- BufferTempStoragePath
- DefaultBufferMaxRows 10000
- DefaultBufferSize 10485760
- EngineThreads 10
- ExecValueVariable <none>

Expressions

- ForceExecutionResult None
- HasExpressions False
- LocaleID English (United Kingdom)
- LoggingMode UseParentSetting
- RunInOptimizedMode True

Name

Specifies the name of the object.

Activate Windows
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Connection Managers

Excel Connection Manager

Find Samples

Serve... Toolbars SSIS... SQL Server

Output Error List Data Tools Operations

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Format SSIS Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

SSIS Toolbox Default

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:
mystudents

Preview... OK Cancel Help

Properties

Excel Source Data Flow Component

Common Properties

ComponentClassID	{99E18AC3-6E6A-4BF9-AFB2-93D...
ContactInfo	Excel Source;Microsoft Corporation
Description	Excel Source
ID	1
IdentificationString	Excel Source
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Excel Source
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	1

Custom Properties

AccessMode	OpenRowset
CommandTimeout	0
OpenRowset	

Name
Specifies the name of the component.

Activate Windows
Go to Settings to activate Windows.

Solution Explorer Team Explorer Class View Tabular Model Explorer

Output Error List Data Tools Operations

Find Samples

Server... Toolbars... SSIS... SQL Server...
Output Error List Data Tools Operations

1-What is business Intelligence, SQL Server Integration Service-SSIS

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

Connection Manager

Columns

Error Output

Available External Columns
<input checked="" type="checkbox"/> Name
<input checked="" type="checkbox"/> St_Id
<input checked="" type="checkbox"/> St_Fname
<input checked="" type="checkbox"/> St_Lname
<input checked="" type="checkbox"/> St_Address
<input checked="" type="checkbox"/> St_Age
<input checked="" type="checkbox"/> Dept_Id
<input checked="" type="checkbox"/> St_super

External Column	Output Column
St_Id	St_Id
St_Fname	St_Fname
St_Lname	St_Lname
St_Address	St_Address
St_Age	St_Age
Dept_Id	Dept_Id
St_super	St_super

Properties

Excel Source Data Flow Component

Common Properties

- ComponentClassID: {99E18AC3-6E6A-4BF9-AFB2-93D}
- ContactInfo: Excel Source;Microsoft Corporation
- Description: Excel Source
- ID: 1
- IdentificationString: Excel Source
- IsDefaultLocale: True
- LocaleID: English (United Kingdom)
- Name: **Excel Source**
- PipelineVersion: 0
- UsesDispositions: True
- ValidateExternalMetadata: True
- Version: 1

Custom Properties

- AccessMode: OpenRowset
- CommandTimeout: 0
- OpenRowset

Name
Specifies the name of the component.

Activate Windows
Go to Settings to activate Windows.

1-What is business Intelligence, SQL Server Integration Service-SSIS

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

Connection Manager

- Columns
- Error Output

Available External Columns

<input checked="" type="checkbox"/> Name
<input checked="" type="checkbox"/> St_Id
<input checked="" type="checkbox"/> St_Fname
<input checked="" type="checkbox"/> St_Lname
<input checked="" type="checkbox"/> St_Address
<input checked="" type="checkbox"/> St_Age
<input checked="" type="checkbox"/> Dept_Id
<input checked="" type="checkbox"/> St_super

External Column Output Column

St_Id	St_Id
St_Fname	St_Fname
St_Lname	St_Lname
St_Address	St_Address
St_Age	St_Age
Dept_Id	Dept_Id
St_super	St_super

Properties

Excel Source Data Flow Component

Common Properties

ComponentClassID	(99E18AC3-6E6A-4BF9-AFB2-93D)
ContactInfo	Excel Source;Microsoft Corporation
Description	Excel Source
ID	1
IdentificationString	Excel Source
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Excel Source
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	1

Custom Properties

AccessMode	OpenRowset
CommandTimeout	0
OpenRowset	

Name
Specifies the name of the component.

Activate Windows
Go to Settings to activate Windows.

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Format SSIS Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

SSIS Toolbox

- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component...
- Slowly Changing Dimen...
- Sort**
- Union All

Package6.dtsx [Design] Package5.dtsx [Design]* Package4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer Execution Results

Data Flow Task: Data Flow Task

Excel Source

Character Map Copy Column Audit

Data Conversion Derived Column

Sort

Connection Managers

Excel Connection Manager

Properties

Sort Data Flow Component

Common Properties

ComponentClassID	{600C47E0-558E-483B-9B86-5FB4}
ContactInfo	Data Conversion;Microsoft Corpor
Description	Data Conversion
ID	53
IdentificationString	Data Conversion
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Data Conversion
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	0

Solution Explorer Team Explorer Class View Tabular Model Explorer

Sort

Sorts input data in ascending or descending order when it cannot be sorted at its source. For example, sort sales data by...

Find Samples

Serve... Toolb... SSIS... SQL S...

Name
Specifies the name of the component.

Activate Windows

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Format SSIS Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

SSIS Toolbox

- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
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- ODBC Source
- OLE DB Command
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- Script Component
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- Sort
- Union All

Package6.dtsx [Design] Package5.dtsx [Design]* Package4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design]

Data Flow Task: Data Flow Task

Excel Source

Character Map

Copy Column

Audit

Data Conversion

Derived Column

Sort

Connection Managers

Excel Connection Manager

Properties

Derived Column Data Flow Component

Common Properties

ComponentClassID	(A2034F5D-D283-4218-A4AF-AE1)
ContactInfo	Derived Column;Microsoft Corporation
Description	Creates new column values by applying a formula.
ID	47
IdentificationString	Derived Column
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Derived Column
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	0

Solution Explorer Team Explorer Class View Tabular Model Explorer

Sort

Sorts input data in ascending or descending order when it cannot be sorted at its source. For example, sort sales data by...

Find Samples

Serve... Toolbars SSIS... SQL Server

Name
Specifies the name of the component.

Activate Windows

```
graph TD; Source[Excel Source] --> DC[Derived Column]; DC --> Sort[Sort]; DC --> Dest1[Destination]; Sort --> Dest1; Sort --> Dest2[Destination];
```

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Format SSIS Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

SSIS Toolbox

- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimension
- Sort**
- Union All

Azure

- Other Transforms
- Audit
- Cache Transform
- CDC Splitter
- Character Map
- Copy Column
- Data Mining Query
- DQS Cleansing

Sort

Sorts input data in ascending or descending order when it cannot be sorted at its source. For example, sort sales data by...

Find Samples

Connection Managers

Excel Connection Manager

Package6.dtsx [Design] Package5.dtsx [Design]* Package4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer Execution Results

Data Flow Task: Data Flow Task

Properties

Derived Column Data Flow Component

Common Properties	
ComponentClassID	(A2034F5D-D283-4218-A4AF-AE1...
ContactInfo	Derived Column;Microsoft Corpor...
Description	Creates new column values by app...
ID	47
IdentificationString	Derived Column
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Derived Column
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	0

Character Map

Copy Column

Audit

Data Conversion

Derived Column

Sort

100%

Name
Specifies the name of the component.

Activate Windows

Serve... Toolb... SSIS... SQL S...

Integration Services Project13 - Microsoft Visual Studio

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Quick Launch (Ctrl+Q) Sign in

SSIS Toolbox

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- HDFS File Destination
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- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimension
- Sort
- Union All

A Character Map Transformation Editor

Configure the properties used to apply string operations to columns with character data. Place the operation result in a new column or update an existing column.

Available Input Columns

Name
St_Id
St_Fname
St_Lname
St_Address
St_Age
Dept_Id
St_super

Input Column Destination Operation Output Alias

Configure Error Output... OK Cancel Help

Properties

Character Map Data Flow Component

Common Properties

ComponentClassID	(DFC6B332-0813-4B47-9BF0-E609)
ContactInfo	Character Map;Microsoft Corporation
Description	Applies string functions to character data.
ID	35
IdentificationString	Character Map
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Character Map
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	2

Solution Explorer Team Explorer Class View Tabular Model Explorer

Name
Specifies the name of the component.

Integration Services Project13 - Microsoft Visual Studio

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SSIS Toolbox

- Derived Column
- HDFS File Destination
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- OData Source
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- OLE DB Command
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- Slowly Changing Dimension
- Sort**
- Union All

Azure

Other Transforms

- Audit
- Cache Transform
- CDC Splitter
- Character Map
- Copy Column
- Data Mining Query
- DQS Cleansing

Sort

Sorts input data in ascending or descending order when it cannot be sorted at its source. For example, sort sales data by...

Find Samples

Connection Managers

Excel Connection Manager

Character Map Transformation Editor

Configure the properties used to apply string operations to columns with character data. Place the operation result in a new column or update an existing column.

Available Input Columns

- Name
- St_Id
- St_Fname**
- St_Lname
- St_Address
- St_Age
- Dept_Id
- St_super

Input Column	Destination	Operation	Output Alias
St_Fname	New column	Byte reversal	Copy of St_Fname

OK Cancel

Configure Error Output... OK Cancel Help

Properties

Character Map Data Flow Component

Common Properties

ComponentClassID	(DFC6B332-0813-4B47-9BF0-E609)
ContactInfo	Character Map;Microsoft Corporation
Description	Applies string functions to character data.
ID	35
IdentificationString	Character Map
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Character Map
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	2

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Activate Windows

Serve... Toolb... SSIS... SQL S...

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File Edit View Project Tools Data Help Tools Architecture Home Analytics Window Help

Character Map Transformation Editor

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Package6.dtsx [Design] Package

Control Flow Data Flow Parameters

Data Flow Task: Data Flow Task

Configure the properties used to apply string operations to columns with character data. Place the operation result in a new column or update an existing column.

Available Input Columns

<input type="checkbox"/> Name
<input type="checkbox"/> St_Id
<input checked="" type="checkbox"/> St_Fname
<input type="checkbox"/> St_Lname
<input type="checkbox"/> St_Address
<input type="checkbox"/> St_Age
<input type="checkbox"/> Dept_Id
<input type="checkbox"/> St_super

Input Column Destination Operation Output Alias

St_Fname	New column	Uppercase	Copy of St_Fname
----------	------------	-----------	------------------

Connection Managers

Excel Connection Manager

Configure Error Output... OK Cancel Help

Properties

Character Map Data Flow Component

Common Properties

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ID	35
IdentificationString	Character Map
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Character Map
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	2

Solution Explorer Team Explorer Class View Tabular Model Explorer

Sort

Sorts input data in ascending or descending order when it cannot be sorted at its source. For example, sort sales data by...

Find Samples

Serve... Toolb... SSIS... SQL S...

Name
Specifies the name of the component.

Activate Windows

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File View Insert Tools Architecture Start Windows Help

Develop Default

SSIS Toolbox

- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimension
- Sort**
- Union All

Azure

- Other Transforms
- Audit
- Cache Transform
- CDC Splitter
- Character Map
- Copy Column
- Data Mining Query
- DQS Cleansing

Sort

Sorts input data in ascending or descending order when it cannot be sorted at its source. For example, sort sales data by...

Find Samples

Connection Managers

Excel Connection Manager

Quick Launch (Ctrl+Q)

Sign In

Properties

Character Map Output Data Flow Path

Common Properties	
Description	
ID	70
IdentificationString	Paths[Character Map.Character Map]
Name	Character Map Output
Design	
PathAnnotation	AsNeeded
Misc	
DestinationName	Derived Column Input
SourceName	Character Map Output

Solution Explorer Team Explorer Class View Tabular Model Explorer

```
graph TD; A[Excel Source] --> B[Character Map]; B --> C[Derived Column]; D[Sort] --- E[Character Map]; F[Copy Column] --- G[Data Conversion]; H[Audit]
```

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Tools Data Help

SSIS Toolbox

- Derived Column
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Other Transforms

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- Copy Column
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Sort

Sorts input data in ascending or descending order when it cannot be sorted at its source. For example, sort sales data by...

Find Samples

Connection Managers

Excel Connection Manager

Configure Error Output...

OK Cancel Help

Properties

Derived Column Data Flow Component

Common Properties

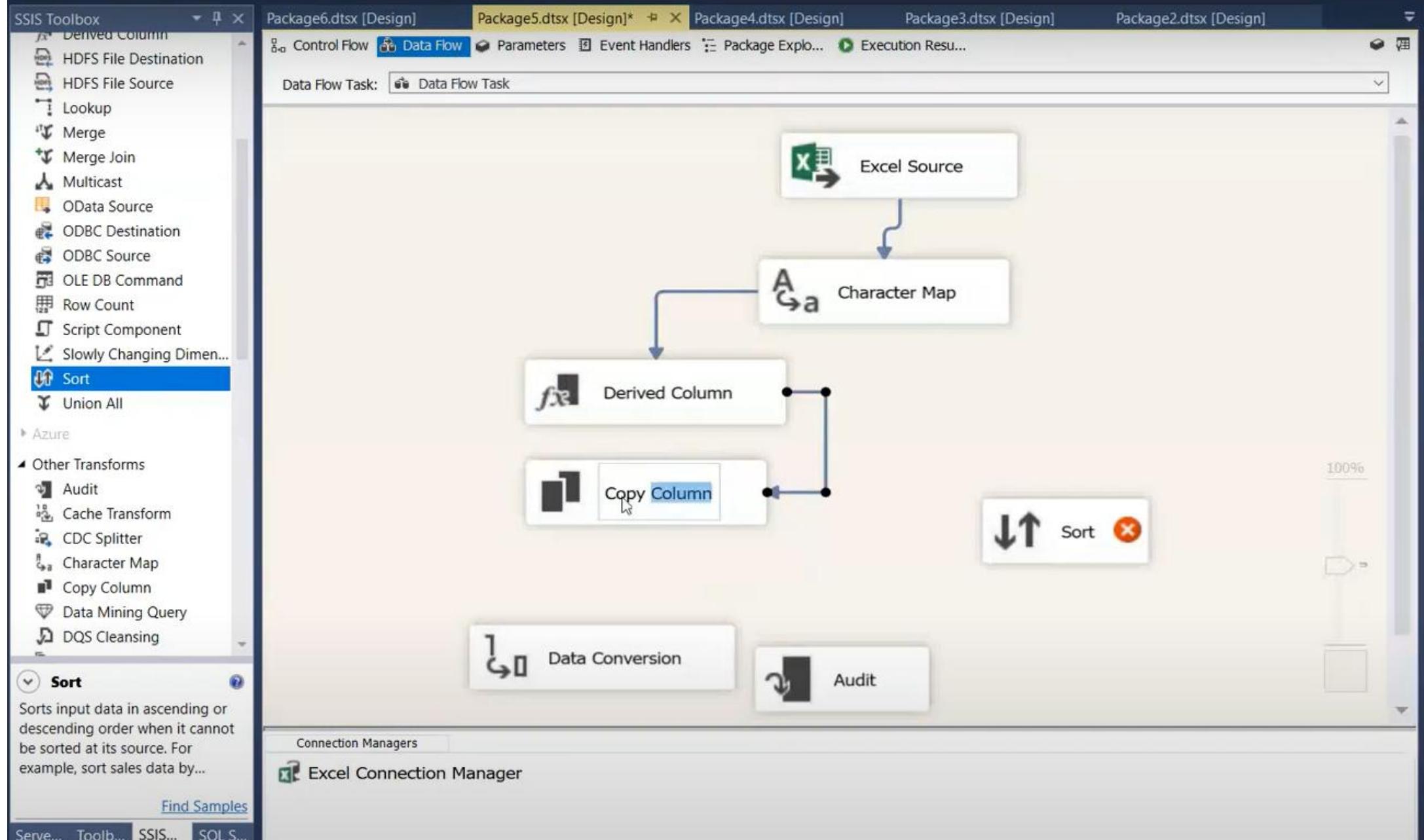
ComponentClassID	(A2034F5D-D283-4218-A4AF-AE1)
ContactInfo	Derived Column;Microsoft Corporation
Description	Creates new column values by applying expressions.
ID	47
IdentificationString	Derived Column
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Derived Column
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	0

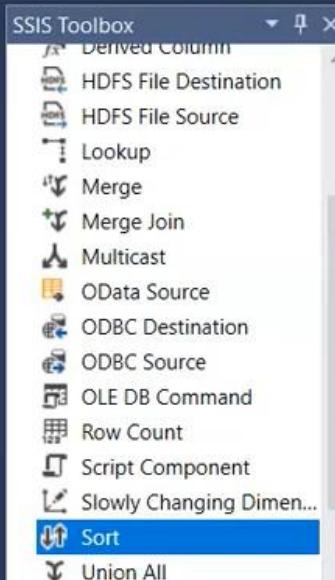
Solution Explorer Team Explorer Class View Tabular Model Explorer

Activate Windows

Integration Services Project13 - Microsoft Visual Studio

1-What is business Intelligence, SQL Server Integration Service-SSIS





Package6.dtsx [Design]

Control Flow Data Flow

Data Flow Task: Data Flow

Copy Column Transformation Editor

Configure the properties used to copy input columns.

Available Input Columns	
<input type="checkbox"/>	Name
<input type="checkbox"/>	St_Id
<input type="checkbox"/>	St_Fname
<input type="checkbox"/>	St_Lname
<input type="checkbox"/>	St_Address
<input type="checkbox"/>	St_Age
<input checked="" type="checkbox"/>	Dept_Id
<input type="checkbox"/>	St_super
<input type="checkbox"/>	Copy of St_Fname
<input type="checkbox"/>	Fullname

Input Column	Output Alias
Dept_Id	Copy of Dept_Id

OK

Cancel

Help

Microsoft SQL Server Integration Services - SSIS

Copy Column Transformation Editor

Configure the properties used to copy input columns.

Available Input Columns

- Name
- St_Id
- St_Fname
- St_Lname
- St_Address
- St_Age
- Dept_Id
- St_super
- Copy of St_Fname
- Fullname

Input Column

Dept_Id

Output Alias

Did2

OK

Cancel

Help

Data Conversion Transformation Editor

Configure the properties used to convert the data type of an input column to a different data type. Depending on the data type to which the column is converted, set the length, precision, scale, and code page of the column.

Name
Name
St_Id
St_Fname
St_Lname
St_Address
St_Age
Dept_Id
St_super

Input Column	Output Alias	Data Type	Length	Precision	Scale	Code Page
St_Id	Copy of St_Id	double-precision float [D...]				

Configure Error Output...

OK

Cancel

Help

Intelligence, SQL Server Integration Service-SSIS

Data Conversion Transformation Editor

Configure the properties used to convert the data type of an input column to a different data type. Depending on the data type to which the column is converted, set the length, precision, scale, and code page of the column.

Available Input Columns

<input type="checkbox"/>	Name
<input checked="" type="checkbox"/>	St_Id
<input type="checkbox"/>	St_Fname
<input type="checkbox"/>	St_Lname
<input type="checkbox"/>	St_Address
<input type="checkbox"/>	St_Age
<input type="checkbox"/>	Dept_Id
<input type="checkbox"/>	St_Super

Input Column	Output Alias	Data Type	Length	Precision	Scale	Code Page
St_Id	Copy of St_Id	double-precision float [D...]				

Configure Error Output...

OK

Cancel

Help

 Sort Transformation Editor

Specify the columns to sort, and set their sort type and their sort order. All nonselected columns are copied unchanged.

Available Input Columns		
	Name	Pass Through
<input type="checkbox"/>	St_Id	<input checked="" type="checkbox"/>
<input type="checkbox"/>	St_Fname	<input checked="" type="checkbox"/>
<input type="checkbox"/>	St_Lname	<input checked="" type="checkbox"/>
<input type="checkbox"/>	St_Address	<input checked="" type="checkbox"/>
<input type="checkbox"/>	St_Age	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Dept_Id	<input checked="" type="checkbox"/>
<input type="checkbox"/>	St_super	<input checked="" type="checkbox"/>

Input Column	Output Alias	Sort Type	Sort Order	Compar



 At least one column must be selected for sorting.

Remove rows with duplicate sort values

OK

Cancel

Help

gencce, SQL Server Integration Service-SSI

Sort Transformation Editor

Specify the columns to sort, and set their sort type and their sort order. All nonselected columns are copied unchanged.

Available Input Columns

	Name	Pass Through
<input type="checkbox"/>	St_Id	<input checked="" type="checkbox"/>
<input type="checkbox"/>	St_Fname	<input checked="" type="checkbox"/>
<input type="checkbox"/>	St_Lname	<input checked="" type="checkbox"/>
<input type="checkbox"/>	St_Address	<input checked="" type="checkbox"/>
<input type="checkbox"/>	St_Age	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Dept_Id	<input type="checkbox"/>
<input type="checkbox"/>	St_super	<input checked="" type="checkbox"/>

Input Column	Output Alias	Sort Type	Sort Order	Compar
Dept_Id	Dept_Id	ascending	1	

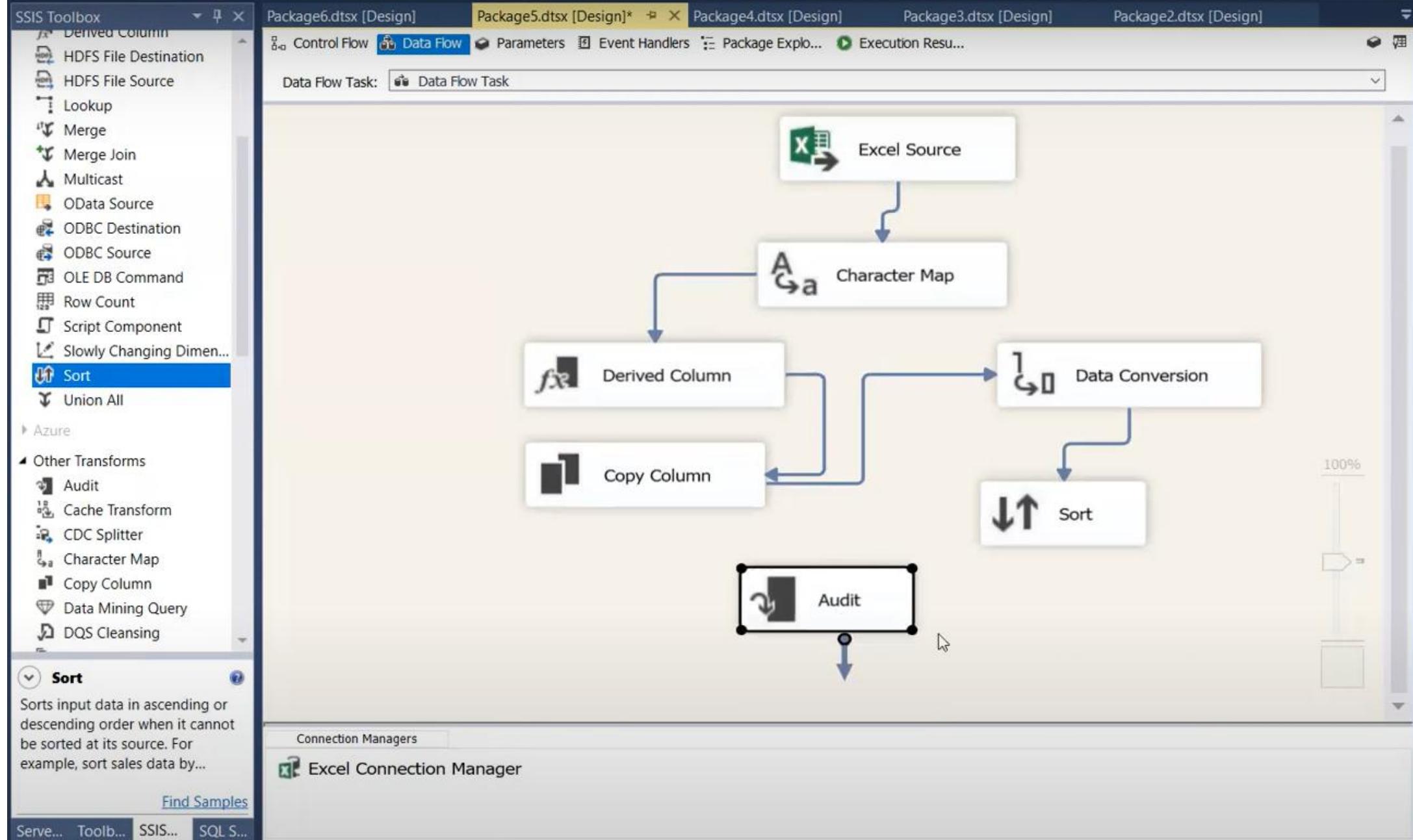
Remove rows with duplicate sort values

OK

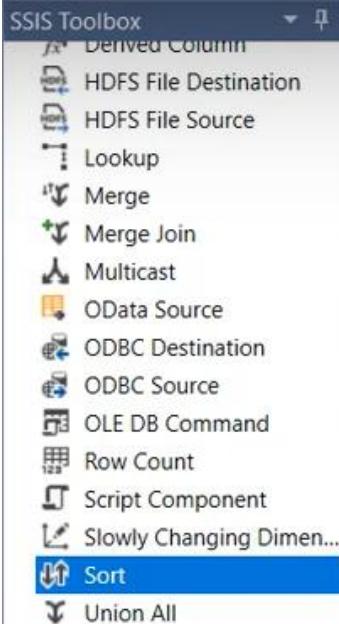
Cancel

Help

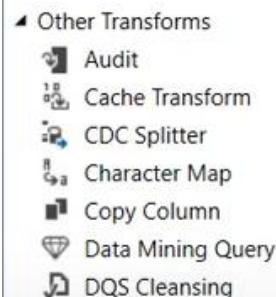
1-What is business Intelligence, SQL Server Integration Service-SSIS



1-What is business Intelligence, SQL Server Integration Service-SSIS



Azure



Sort

Sorts input data in ascending or descending order when it cannot be sorted at its source. For example, sort sales data by...

[Find Samples](#)

Connection Managers

Excel Connection Manager

Package6.dtsx [Design] Package5.dtsx [Design]* Package4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explor... Execution Resu...

Data Flow Task: Data Flow Task

Audit Transformation Editor

Configure the properties used to insert audit information into the data flow.

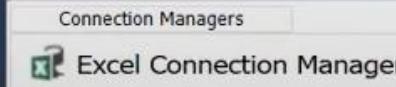
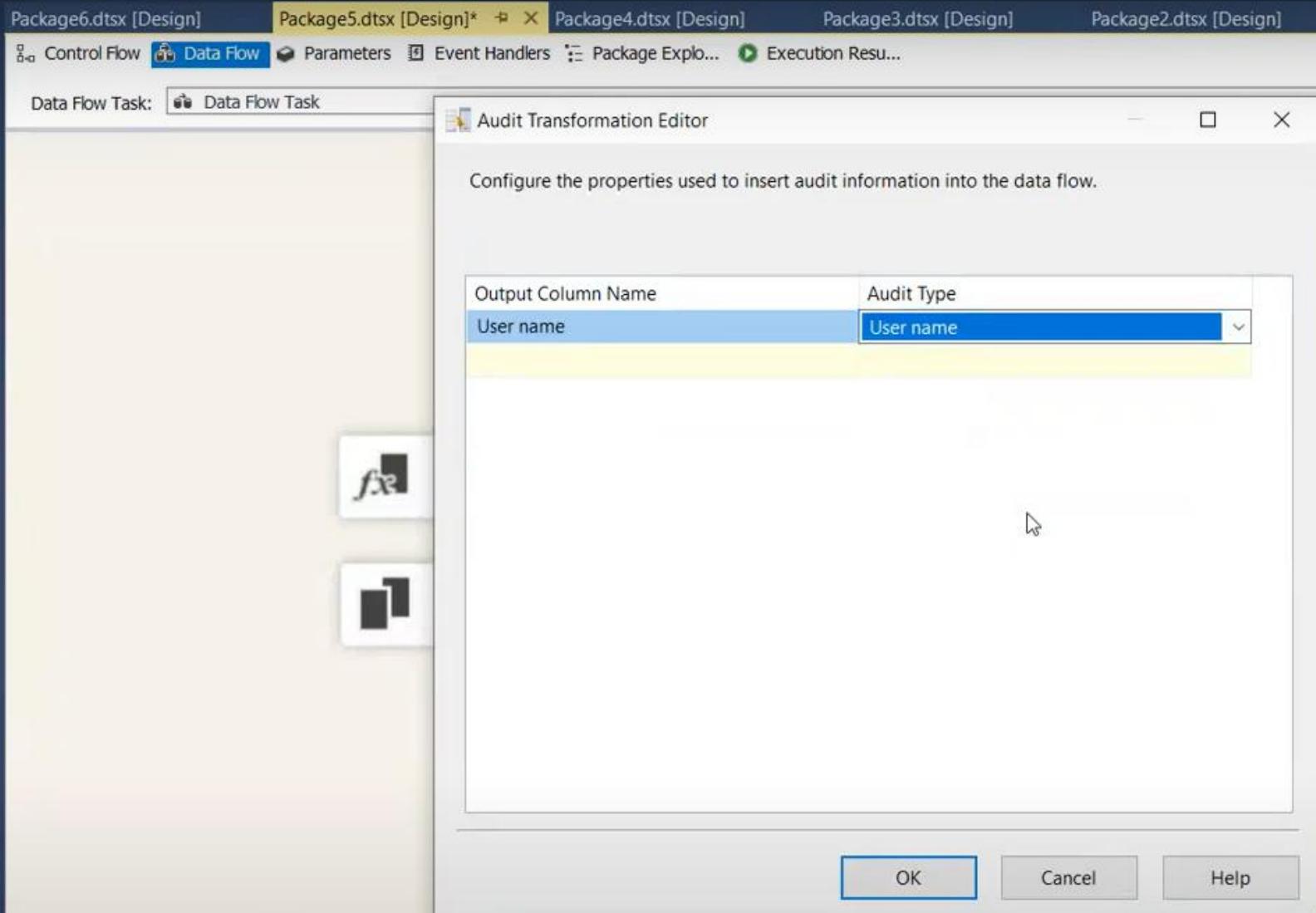
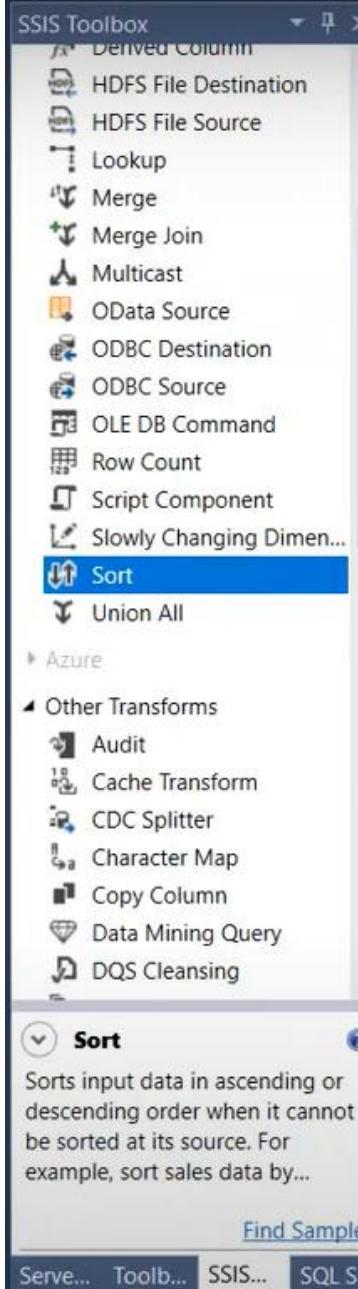
Output Column Name	Audit Type
	Package ID
	Package name
	Version ID
	Execution start time
	Machine name
	User name
	Task name
	Task ID

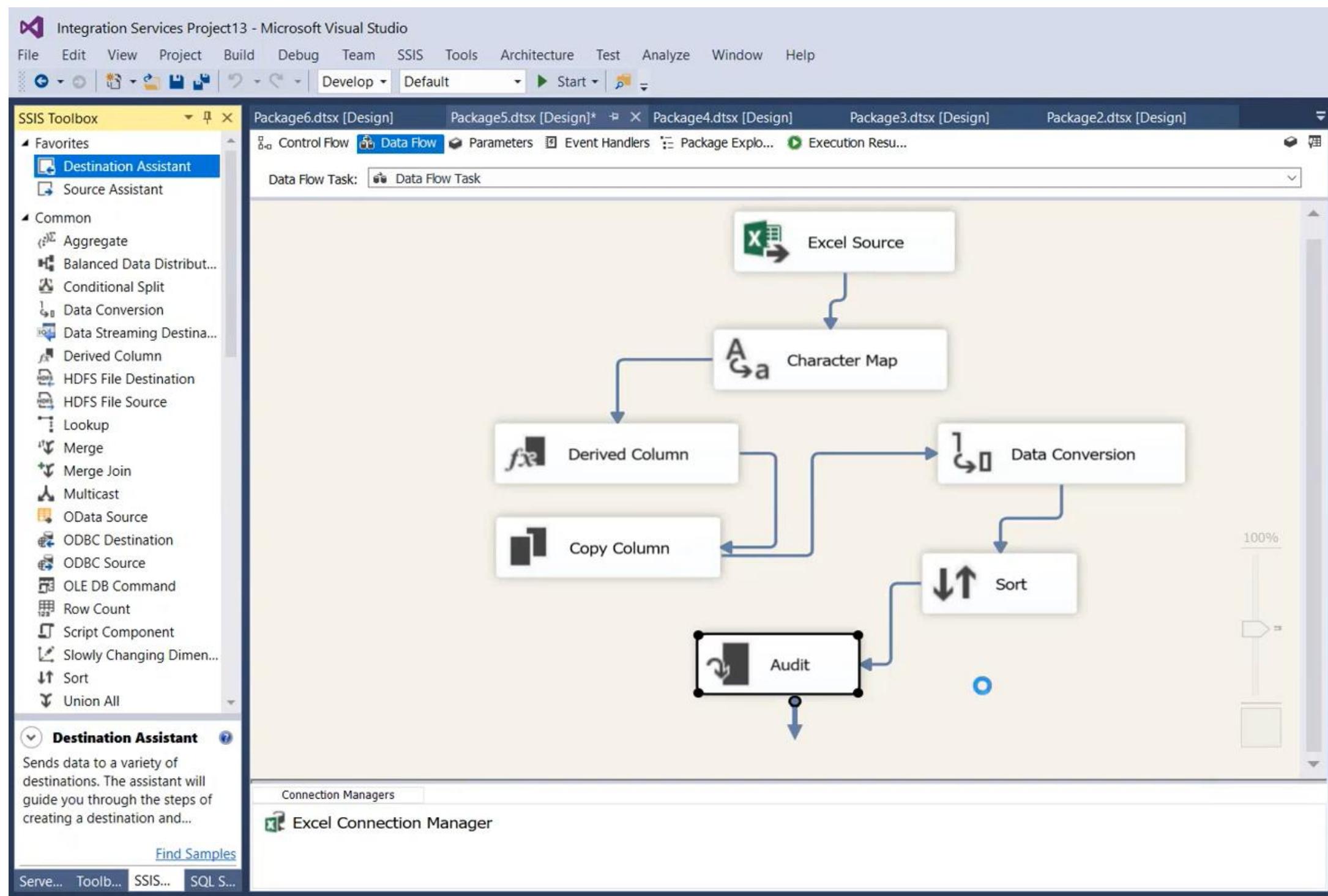
OK

Cancel

Help

1-What is business Intelligence, SQL Server Integration Service-SSIS





1-What is business Intelligence, SQL Server Integration Service-SSIS

File View Project Tools Analyze Test Analyze Work

Develop Default Start

SSIS Toolbox

Package6.dtsx [Design] Package5.dtsx [Design]* Package4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer Execution Results

Data Flow Task: Data Flow Task

Destination Assistant

Source Assistant

Common

- Aggregate
- Balanced Data Distribution
- Conditional Split
- Data Conversion
- Data Streaming Destination
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimension
- Sort
- Union All

Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Find Samples

Connection Managers

Excel Connection Manager

OK Cancel

Excel Source

Destination Assistant - Add New Destination

Select destination type:

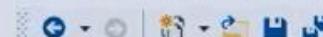
- SQL Server
- Excel**
- Oracle

Select connection managers

- New...
- Excel Connection Manager

Show only installed destination types

Double click on 'New...' or click on OK to create a new connection



Develop Default Start

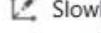
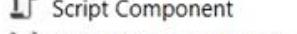
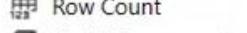
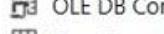
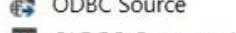
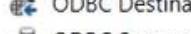
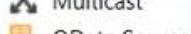
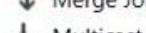
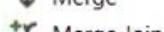
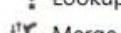
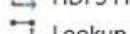
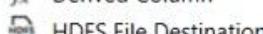
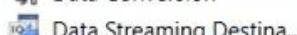
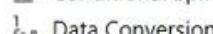
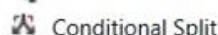
SSIS Toolbox

Favorites



Source Assistant

Common



Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

[Find Samples](#)

Package6.dtsx [Design] Package5.dtsx [Design]* Package4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explor... Execution Resu...

Data Flow Task: Data Flow Task

Connection Manager

Provider: Native OLE DB\SQL Server Native Client 11.0

Connection

Server name: Refresh

Log on to the server

Authentication: Windows Authentication

User name:
Password:
 Save my password

Connect to a database

Select or enter a database name:

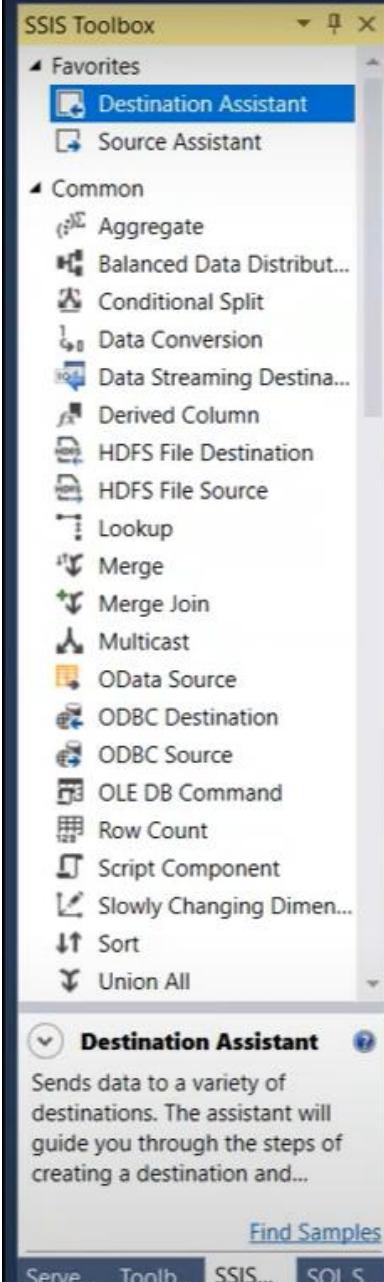
Attach a database file: Browse...
Logical name:

Test Connection OK Cancel Help

Connection Managers

Excel Connection Manager

1-What is business Intelligence, SQL Server Integration Service-SSIS



Package6.dtsx [Design] Package5.dtsx [Design]* Package4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design]

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Connect to a database

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Attach a database file: Browse...
Logical name:

Test Connection OK Cancel Help

Connection Managers

Excel Connection Manager



SSIS Toolbox

- ▲ Favorites
 - Destination Assistant
 - Source Assistant
- ▲ Common
 - Aggregate
 - Balanced Data Distribut...
 - Conditional Split
 - Data Conversion
 - Data Streaming Destina...
 - Derived Column
 - HDFS File Destination
 - HDFS File Source
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 - Merge Join
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Package6.dtsx [Design] Package5.dtsx [Design]* Package4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explor... Execution Resu...

Data Flow Task: Data Flow Task

Connection Manager

Provider: Native OLE DB\SQL Server Native Client 11.0

Connection

Server name:

Log on to the server

Authentication: Windows Authentication

User name:

Password:

Save my password

Connect to a database

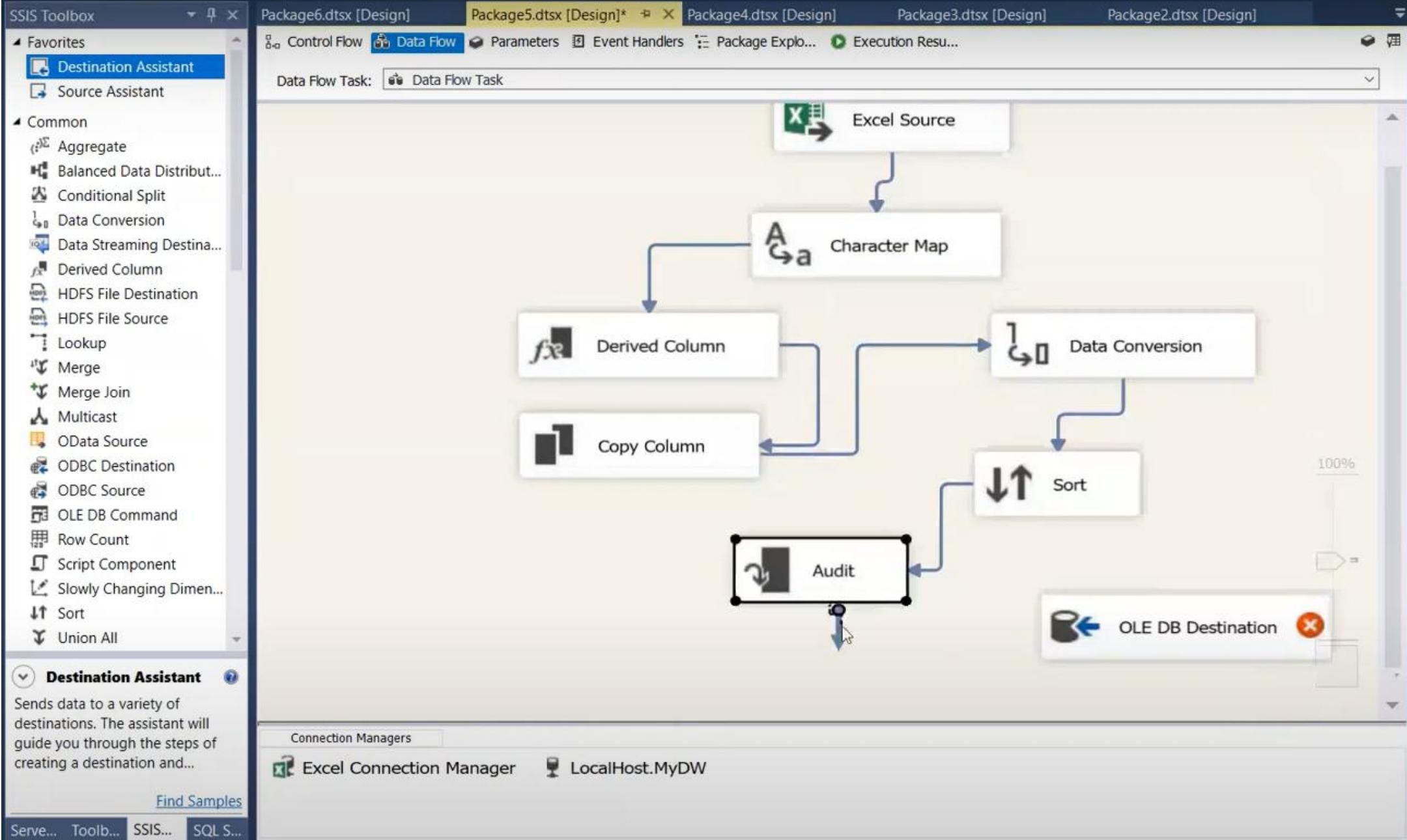
Select or enter a database name:
MyDW

Attach a database file:
 Browse...
Logical name:

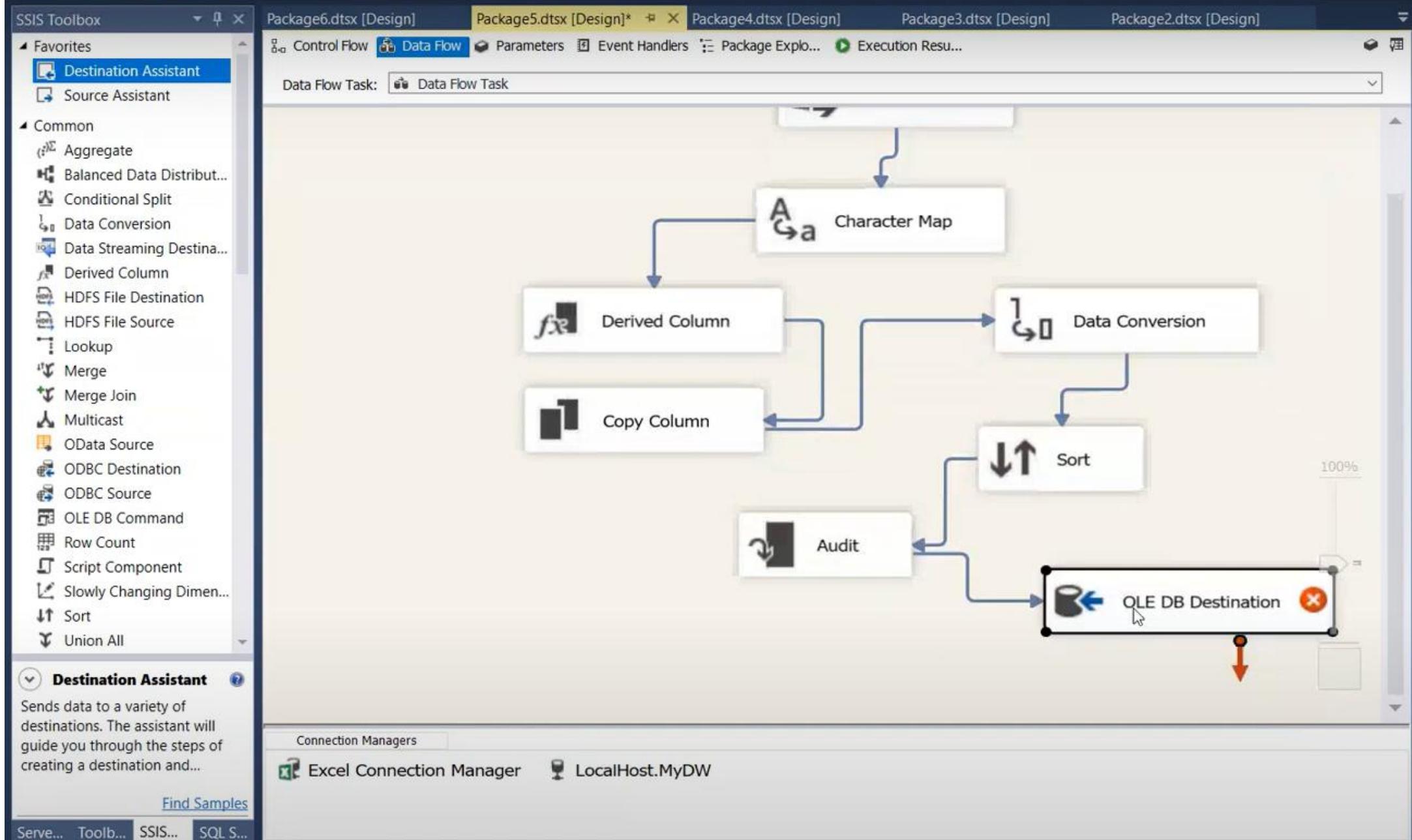
Test Connection OK Cancel Help

Connection Managers
Excel Connection Manager

1-What is business Intelligence, SQL Server Integration Service-SSIS



1-What is business Intelligence, SQL Server Integration Service-SSIS



 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

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.MyDW

New...

Data access mode:

Table or view - fast load

Name of the table or the view:

New...

Keep identity

Table lock

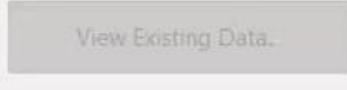
Keep nulls

Check constraints

Rows per batch:

Maximum insert commit size:

2147483647

 View Existing Data...



Select a table or view from the list.

OK

Cancel

Help

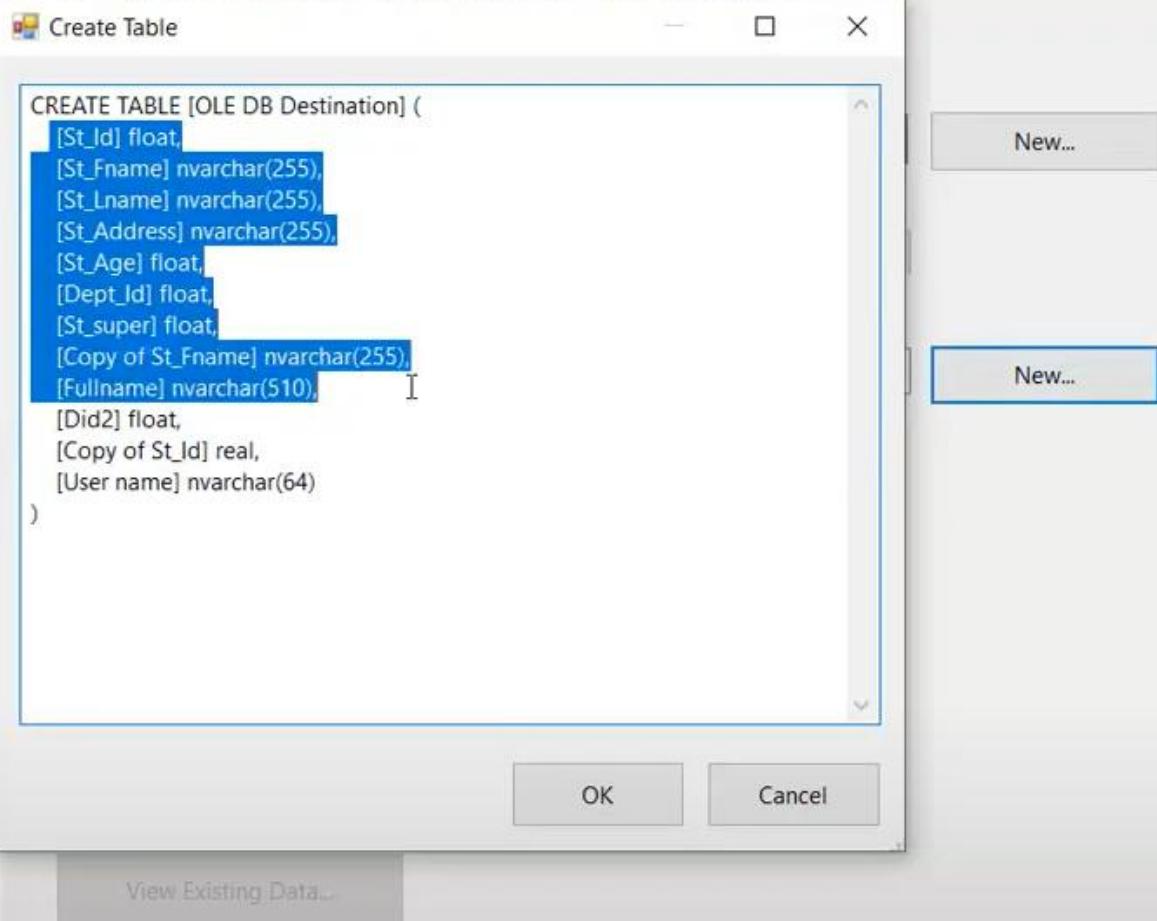
Intelligence, SQL Server Integration Service-SSIS

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⚠ Select a table or view from the list.

OK

Cancel

Help

OLE DB Destination Editor



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

Connection Manager
Mappings
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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.

Create Table

```
CREATE TABLE [FullStudData] (
    [St_Id] float,
    [St_Fname] nvarchar(255),
    [St_Lname] nvarchar(255),
    [St_Address] nvarchar(255),
    [St_Age] float,
    [Dept_Id] float,
    [St_super] float,
    [Copy of St_Fname] nvarchar(255),
    [Fullname] nvarchar(510),
    [Did2] float,
    [Copy of St_Id] real,
    [User name] nvarchar(64)
)
```

New...

New...

OK Cancel

View Existing Data...

⚠ Select a table or view from the list.

OK

Cancel

Help

Intelligence, SQL Server Integration Service-SSIS

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

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OLE DB connection manager:

localhost.MyDW

New...

Data access mode:

Table or view - fast load

Name of the table or the view:

[FullStudData]

New...

Keep identity

Table lock

Keep nulls

Check constraints

Rows per batch:

Maximum insert commit size:

2147483647

[View Existing Data...](#)



Map the columns on the Mappings page.

OK

Cancel

Help

Intelligence, SQL Server Integration Service-SSIS

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 Col...

Name
St_Id
St_Fname
St_Lname
St_Address
St_Age
Dept_Id
St_super
Copy of St_Fname
Fullname
Did2

Available Destination...

Name
St_Id
St_Fname
St_Lname
St_Address
St_Age
Dept_Id
St_super
Copy of St_Fname
Fullname
Did2

Input Column

St_Id

St_Fname

St_Lname

St_Address

St_Age

Dept_Id

St_super

Copy of St_Fname

Fullname

Did2

Copy of St_Id

Destination Column

St_Id

St_Fname

St_Lname

St_Address

St_Age

Dept_Id

St_super

Copy of St_Fname

Fullname

Did2

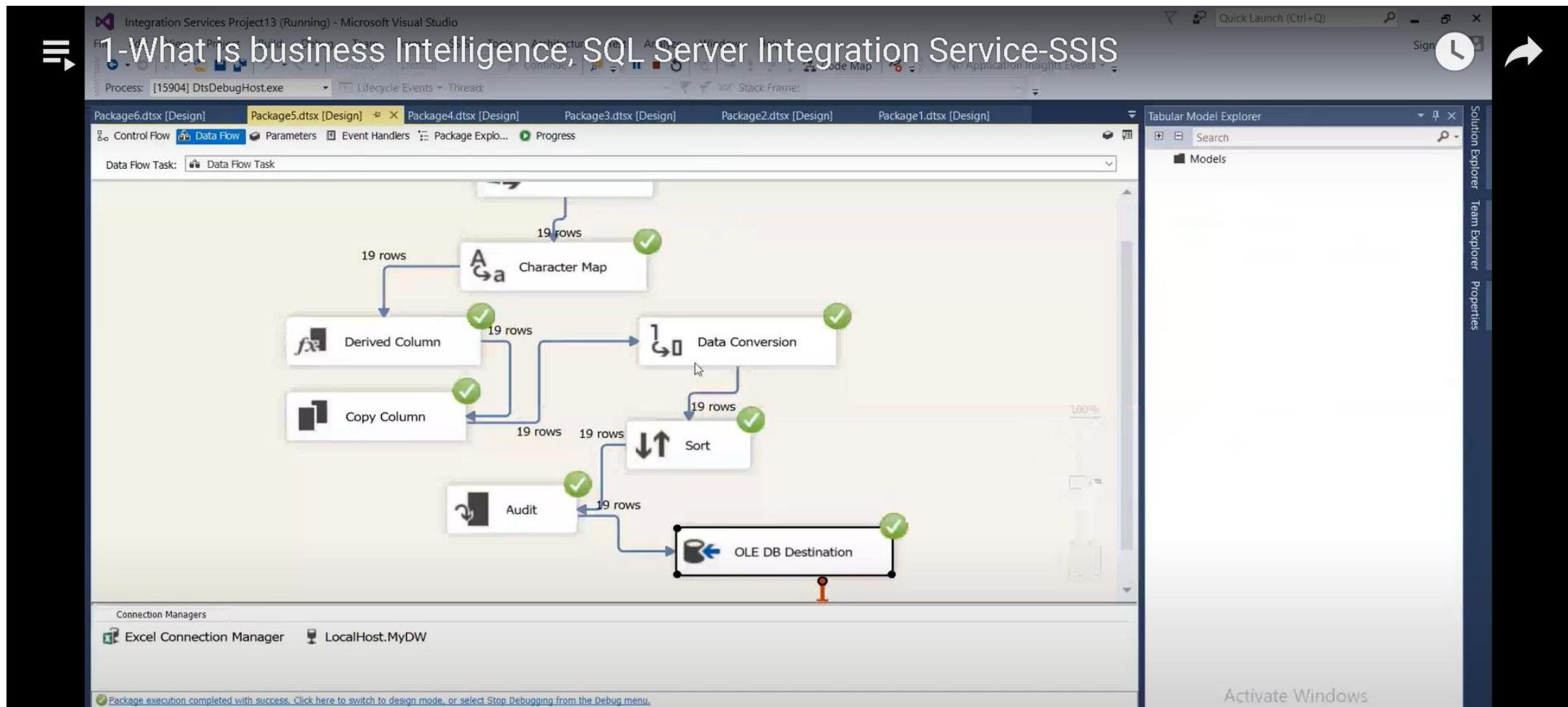
Copy of St_Id

OK

Cancel

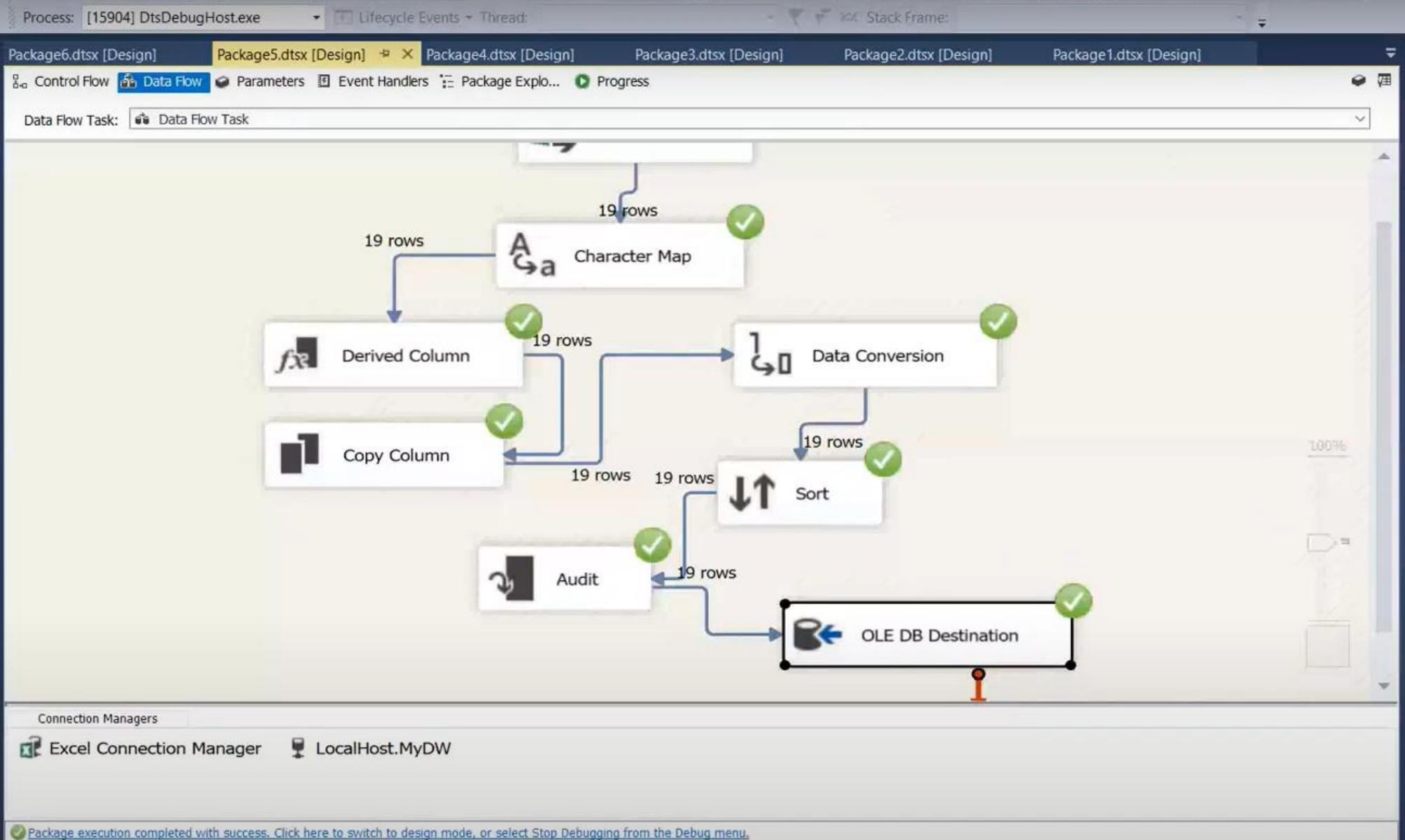
Help

1-What is business Intelligence, SQL Server Integration Service-SSIS





1-What is business Intelligence, SQL Server Integration Service-SSIS



Solution1 - Microsoft SQL Server Management Studio

1-What is business Intelligence, SQL Server Integration Service-SSIS

Quick Launch (Ctrl+Q)

Object Explorer

Connect

Databases

- System Databases
- Database Snapshots
- AdventureWorks2012
- AdventureWorksDW2012
- Company_SD
- ITI
- Mansoura_DB
- ReportServer
- ReportServerTempDB
- SD
- MyDW
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - External Tables
 - dbo.FullStudData
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
- Security
- Server Objects
- Replication
- PolyBase
- AlwaysOn High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent

Properties

Activate Windows
Go to Settings to activate Windows.

Output

Ready

The screenshot shows the Microsoft SQL Server Management Studio (SSMS) interface. The title bar reads "Solution1 - Microsoft SQL Server Management Studio" and the main window title is "1-What is business Intelligence, SQL Server Integration Service-SSIS". The left side features the "Object Explorer" pane, which is currently expanded to show the "Databases" node. Under "Databases", there are several system databases and user databases, including "AdventureWorks2012", "AdventureWorksDW2012", "Company_SD", "ITI", "Mansoura_DB", "ReportServer", "ReportServerTempDB", "SD", and "MyDW". The "MyDW" database is further expanded to show its internal structure. Within "MyDW", the "Tables" node is selected, revealing sub-nodes for "System Tables", "FileTables", "External Tables", and a specific table named "dbo.FullStudData". Other nodes under "Tables" include "Views", "External Resources", "Synonyms", "Programmability", "Service Broker", "Storage", and "Security". Below "Tables", there are additional nodes for "Security", "Server Objects", "Replication", "PolyBase", "AlwaysOn High Availability", "Management", "Integration Services Catalogs", and "SQL Server Agent". The right side of the screen is mostly blank, indicating no active queries or results. The status bar at the bottom shows "Ready". A watermark in the bottom right corner says "Activate Windows Go to Settings to activate Windows.".

DESKTOP-VF50P25.MyDW - dbo.FullStudData - Microsoft SQL Server Management Studio

1-What is business Intelligence, SQL Server Integration Service-SSIS

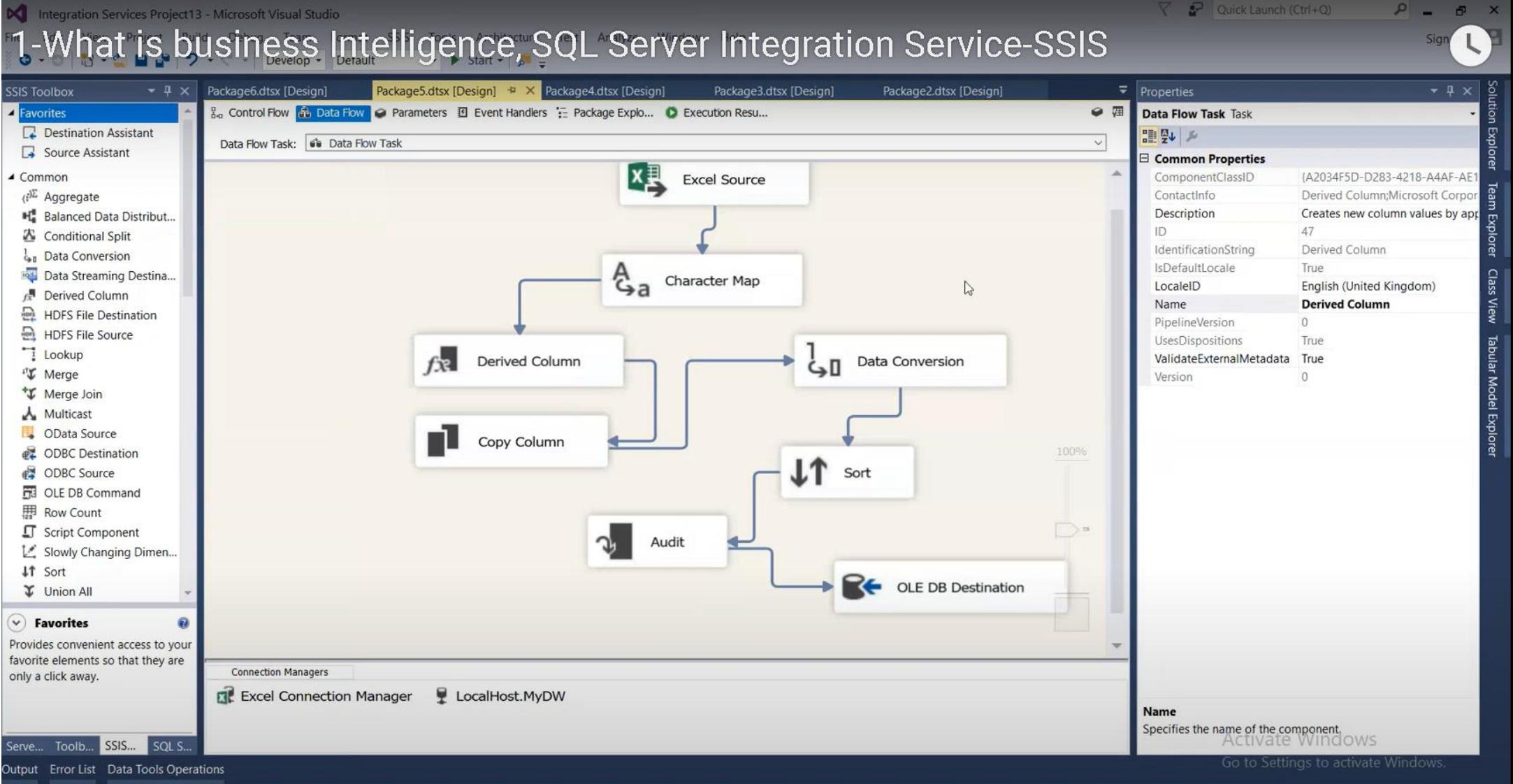
Object Explorer

DESKTOP-VF50P25.M...dbo.FullStudData

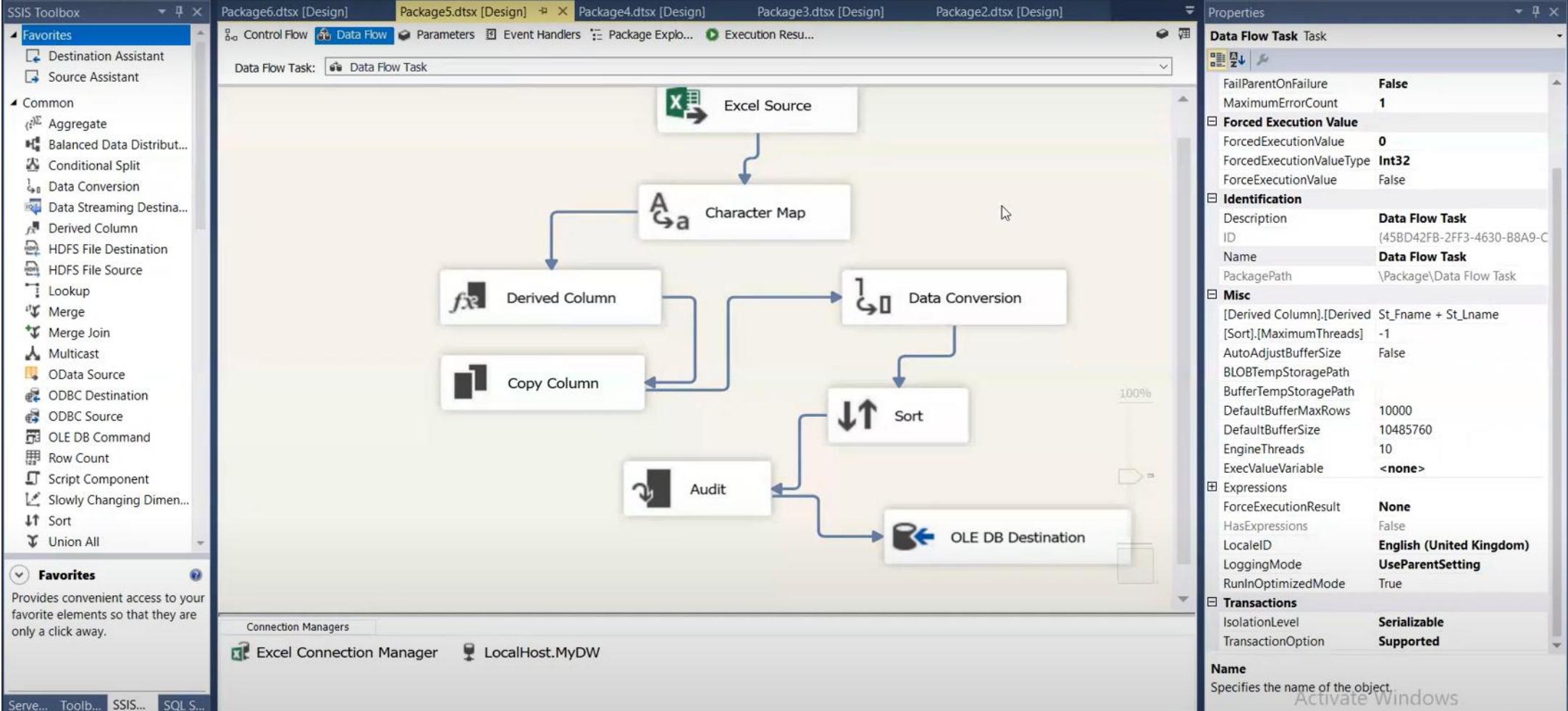
St_Id	St_Fname	St_Lname	St_Address	St_Age	Dept_Id	St_super	Copy of St_Fn...	Fullname	Did2	Copy of St_Id	User
100	omar	NULL	NULL	NULL	NULL	NULL	OMAR	NULL	NULL	100	DESK
2	Amr	Magdy	Cairo	21	10	1	AMR	AmrMagdy	10	2	DESK
4	NULL	Mohamed	Alex	23	10	1	NULL	NULL	10	4	DESK
1	Ahmed	Hassan	Cairo	20	10	NULL	AHMED	AhmedHassan	10	1	DESK
5	NULL	Moahmed	Alex	24	10	1	NULL	NULL	10	5	DESK
3	Mona	Saleh	Cairo	28	10	1	MONA	MonaSaleh	10	3	DESK
8	NULL	NULL	Alex	28	20	6	NULL	NULL	20	8	DESK
10	Fady	Ali	Alex	24	20	9	FADY	FadyAli	20	10	DESK
6	Heba	Farouk	Mansoura	25	20	NULL	HEBA	HebaFarouk	20	6	DESK
11	mohamed ali	Ahmed	Cairo	24	20	9	MOHAMED ALI	mohamed aliA...	20	11	DESK
7	Ali	Hussien	Cairo	25	20	6	ALI	AliHussien	20	7	DESK
9	Saly	Ahmed	Mansoura	24	20	NULL	SALY	SalyAhmed	20	9	DESK
44	NULL	NULL	NULL	25	30	NULL	NULL	NULL	30	44	DESK
16	NULL	NULL	NULL	25	30	NULL	NULL	NULL	30	16	DESK
13	Said	NULL	NULL	22	30	12	SAID	NULL	30	13	DESK
14	omar	Saleh	Tanta	22	30	NULL	OMAR	omarSaleh	30	14	DESK
15	X	NULL	NULL	22	30	NULL	X	NULL	30	15	DESK
12	Noha	Omar	Cairo	21	30	NULL	NOHA	NohaOmar	30	12	DESK
17	Y	NULL	NULL	25	30	NULL	Y	NULL	30	17	DESK
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

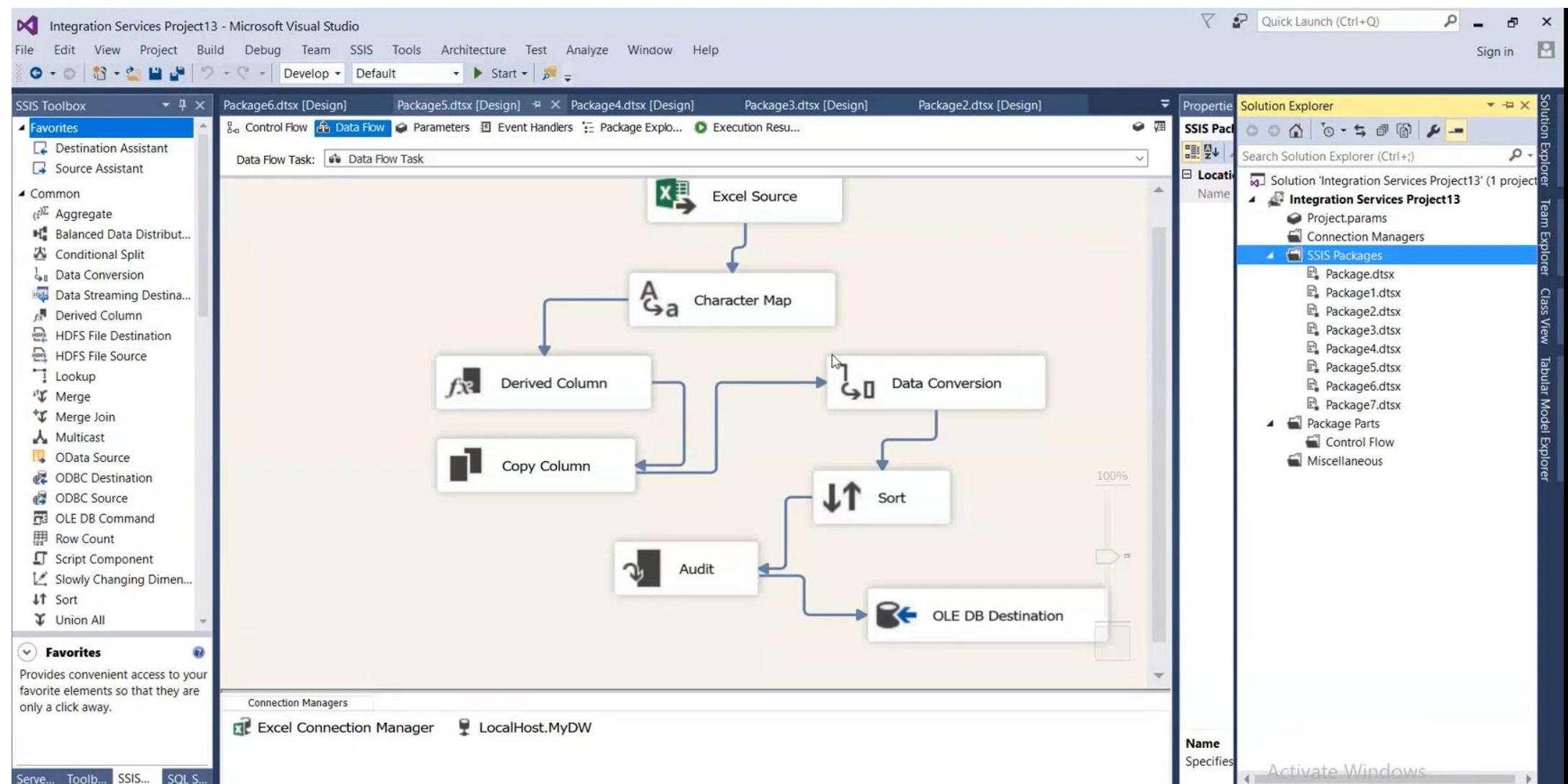
Activate Windows

1-What is business Intelligence, SQL Server Integration Service-SSIS



1-What is business Intelligence, SQL Server Integration Service-SSIS





Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Format SSIS Tools Architecture Test Analyze Window Help

Develop Default Start Package Explorer

SSIS Toolbox

Package7.dtsx [Design] * Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer

Data Flow Task

Execute SQL Task

Common

- Analysis Services Process
- Bulk Insert Task
- Data Profiling Task
- Execute Package Task
- Execute Process Task
- Expression Task
- File System Task
- FTP Task
- Hadoop File System Task
- Hadoop Hive Task
- Hadoop Pig Task
- Script Task
- Send Mail Task
- Web Service Task
- XML Task

Azure

Containers

- For Loop Container
- Foreach Loop Container
- Sequence Container

Data Flow Task

Moves data between sources and destinations while transforming and cleaning. Data can be moved between tables and files while..

Find Samples

Connection Managers

Right-click here to add a new connection manager to the SSIS package.

Properties

Data Flow Task Task

DisableEventHandlers	False
FailPackageOnFailure	False
FailParentOnFailure	False
MaximumErrorCount	1
Forced Execution Value	
ForcedExecutionValue	0
ForcedExecutionValueType	Int32
ForceExecutionValue	False
Identification	
Description	Data Flow Task
ID	7B77690F-8598-471D-A99A-*
Name	Data Flow Task
PackagePath	\Package\Data Flow Task
Misc	
AutoAdjustBufferSize	False
BLOBTempStoragePath	
BufferTempStoragePath	
DefaultBufferSize	10485760
DefaultBufferMaxRows	10000
EngineThreads	10
ExecValueVariable	<none>
Expressions	
ForceExecutionResult	None
HasExpressions	False
LocaleID	English (United Kingdom)
LoggingMode	UseParentSetting
RunInOptimizedMode	True
Transactions	
IsolationLevel	Serializable
TransactionOption	Supported
Name	
Specifies the name of the object.	

Activate Windows
Go to Settings to activate Windows.

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Format SSIS Tools Architecture Test Analyze Window Help

Develop Default Start

SSIS Toolbox

Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer

Data Flow Task: Data Flow Task

Source Assistant

Favorites

- Destination Assistant
- Source Assistant

Common

- Aggregate
- Balanced Data Distribut...
- Conditional Split
- Data Conversion
- Data Streaming Destin...
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimen...
- Sort
- Union All

Source Assistant

Extracts data from a variety of sources. The assistant will guide you through the steps of creating a source and associating it with...

Find Samples

Connection Managers

Right-click here to add a new connection manager to the SSIS package.

Source Assistant - Add New Source

Select source type:

- SQL Server
- Excel**
- Flat File
- Oracle

Select connection managers

New...

Show only installed source types

Double click on 'New...' or click on OK to create a new connection

OK Cancel

Properties

Data Flow Task Task

- DisableEventHandlers **False**
- FailPackageOnFailure **False**
- FailParentOnFailure **False**
- MaximumErrorCount **1**
- Forced Execution Value

 - ForcedExecutionValue **0**
 - ForcedExecutionValueType **Int32**
 - ForceExecutionValue **False**

- Identification

 - Description **Data Flow Task**
 - ID **(7B77690F-859B-471D-A99A-5**
 - Name **Data Flow Task**
 - PackagePath **\Package\Data Flow Task**

- Misc

 - AutoAdjustBufferSize **False**
 - BLOBTempStoragePath
 - BufferTempStoragePath
 - DefaultBufferMaxRows **10000**
 - DefaultBufferSize **10485760**
 - EngineThreads **10**
 - ExecValueVariable **<none>**

- Expressions

 - ForceExecutionResult **None**
 - HasExpressions **False**
 - LocaleID **English (United Kingdom)**
 - LoggingMode **UseParentSetting**
 - RunInOptimizedMode **True**

- Transactions

 - IsolationLevel **Serializable**
 - TransactionOption **Supported**

- Name

Specifies the name of the object.

Activate Windows

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Format SSIS Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

SSIS Toolbox

Source Assistant

Control Flow Data Flow Parameters Event Handlers Package Explorer

Data Flow Task: Data Flow Task

Source Assistant - Add New Source

Select source type:

- SQL Server
- Excel
- Flat File
- Oracle

Show only installed source types

Double click on 'New...' or click on OK to create a new connection

Connection Managers

Right-click here to add a new connection manager to the SSIS package.

Properties

Data Flow Task Task

DisableEventHandlers	False
FailPackageOnFailure	False
FailParentOnFailure	False
MaximumErrorCount	1
Forced Execution Value	
ForcedExecutionValue	0
ForcedExecutionValueType	Int32
ForceExecutionValue	False
Identification	
Description	Data Flow Task
ID	(7B77690F-859B-471D-A99A-5
Name	Data Flow Task
PackagePath	\Package\Data Flow Task
Misc	
AutoAdjustBufferSize	False
BLOBTempStoragePath	
BufferTempStoragePath	
DefaultBufferMaxRows	10000
DefaultBufferSize	10485760
EngineThreads	10
ExecValueVariable	<none>
Expressions	
ForceExecutionResult	None
HasExpressions	False
LocaleID	English (United Kingdom)
LoggingMode	UseParentSetting
RunInOptimizedMode	True
Transactions	
IsolationLevel	Serializable
TransactionOption	Supported
Name	
Specifies the name of the object.	

Activate Windows

Serve... Toolb... SSIS... SQL S...

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Format SSIS Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

SSIS Toolbox

Package7.dtsx [Design]* Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

Develop Default Start

Data Flow Task: Data Flow Task

Connection Manager

Provider: Native OLE DB\SQL Server Native Client 11.0

Server name:

Log on to the server

Authentication: Windows Authentication

User name:

Password:

Save my password

Connect to a database

(Select or enter a database name:)

(Attach a database file: Browse... Logical name:

Test Connection OK Cancel Help

Connection Managers

Right-click here to add a new connection manager to the SSIS package.

Properties

Data Flow Task Task

DisableEventHandlers False

FailPackageOnFailure False

FailParentOnFailure False

MaximumErrorCount 1

Forced Execution Value

ForcedExecutionValue 0

ForcedExecutionValueType Int32

ForceExecutionValue False

Identification

Description Data Flow Task

ID (7B77690F-859B-471D-A99A-5

Name Data Flow Task

PackagePath \Package\Data Flow Task

Misc

AutoAdjustBufferSize False

BLOBTempStoragePath

BufferTempStoragePath

DefaultBufferSize 10000

DefaultBufferMaxRows 10485760

EngineThreads 10

ExecValueVariable <none>

Expressions

ForceExecutionResult None

HasExpressions False

LocaleID English (United Kingdom)

LoggingMode UseParentSetting

RunInOptimizedMode True

Transactions

IsolationLevel Serializable

TransactionOption Supported

Name

Specifies the name of the object.

Activate Windows

Solution Explorer Team Explorer Class View Tabular Model Explorer

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Architecture Test Analyze Window Help

Develop Default Start

SSIS Toolbox

Package7.dtsx [Design]* Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer

Source Assistant

Favorites Destination Assistant

Common Aggregate Balanced Data Distributor Conditional Split Data Conversion Data Streaming Destination Derived Column HDFS File Destination HDFS File Source Lookup Merge Merge Join Multicast OData Source ODBC Destination ODBC Source OLE DB Command Row Count Script Component Slowly Changing Dimension Sort Union All

Source Assistant

Extracts data from a variety of sources. The assistant will guide you through the steps of creating a source and associating it with...

Find Samples

Server... Toolbars SSIS... SQL Server... Output Error List Data Tools Operations

Connection Manager

Provider: Native OLE DB\SQL Server Native Client 11.0

Connection

Server name:

Log on to the server

Authentication: Windows Authentication

User name:

Password:

Save my password

Connect to a database

Select or enter a database name:

Attach a database file: Browse... Logical name:

Test Connection OK Cancel Help

Right-click here to add a new connection manager to the SSIS package.

Properties

Data Flow Task Task

DisableEventHandlers False

FailPackageOnFailure False

FailParentOnFailure False

MaximumErrorCount 1

Forced Execution Value

ForcedExecutionValue 0

ForcedExecutionValueType Int32

ForceExecutionValue False

Identification

Description Data Flow Task

ID (7B77690F-859B-471D-A99A-5

Name Data Flow Task

PackagePath \Package\Data Flow Task

Misc

AutoAdjustBufferSize False

BLOBTempStoragePath

BufferTempStoragePath

DefaultBufferMaxRows 10000

DefaultBufferSize 10485760

EngineThreads 10

ExecValueVariable <none>

Expressions

ForceExecutionResult None

HasExpressions False

LocaleID English (United Kingdom)

LoggingMode UseParentSetting

RunInOptimizedMode True

Transactions

IsolationLevel Serializable

TransactionOption Supported

Name

Specifies the name of the object.

Activate Windows

Go to Settings to activate Windows.

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Format SSIS Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

SSIS Toolbox

Favorites

- Destination Assistant
- Source Assistant**

Common

- Aggregate
- Balanced Data Distributor
- Conditional Split
- Data Conversion
- Data Streaming Destination
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
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- OData Source
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- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimension
- Sort
- Union All

Source Assistant

Extracts data from a variety of sources. The assistant will guide you through the steps of creating a source and associating it with...

Find Samples

Connection Managers

localhost.iti

OLE DB Source Editor

Configure the properties used by a data flow to obtain data from any OLE DB provider.

Connection Manager

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.

OLE DB connection manager:

localhost.iti

New...

Data access mode:

Table or view

Name of the table or the view:

[dbo].[Student]

Preview...

OK Cancel Help

Properties

OLE DB Source Data Flow Component

Common Properties

ComponentClassID	{657B7EBE-0A54-4C0E-A80E-7A5...
ContactInfo	OLE DB Source;Microsoft Corpora...
Description	OLE DB Source
ID	1
IdentificationString	OLE DB Source
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	OLE DB Source
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	7

Custom Properties

AccessMode	OpenRowset
AlwaysUseDefaultCodePage	False
CommandTimeout	0
DefaultCodePage	1252
OpenRowset	

Name

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

Solution Explorer Team Explorer Class View Tabular Model Explorer

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

Package7.dtsx [Design]*

Control Flow Data Flow

Data Flow Task: Data Flow

Connection Manager Columns Error Output

Available External Columns

External Column	Output Column
St_Id	St_Id
St_Fname	St_Fname
St_Lname	St_Lname
St_Address	St_Address
St_Age	St_Age
Dept_Id	Dept_Id
St_super	St_super

Properties

OLE DB Source Data Flow Component

Common Properties

ComponentClassID	(657B7EBE-0A54-4C0E-A80E-7A5
ContactInfo	OLE DB Source;Microsoft Corpora
Description	OLE DB Source
ID	1
IdentificationString	OLE DB Source
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	OLE DB Source
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	7

Custom Properties

AccessMode	OpenRowset
AlwaysUseDefaultCodePage	False
CommandTimeout	0
DefaultCodePage	1252
OpenRowset	

Name

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

Quick Launch (Ctrl+Q)

Solution Explorer Team Explorer Class View Tabular Model Explorer

Output Error List Data Tools Operations

Find Samples

SSIS... SQL S...

Server... Toolb... Output Error List Data Tools Operations

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Format SSIS Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q)

Sign in

SSIS Toolbox

Package7.dtsx [Design] * Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer

Data Flow Task: Data Flow Task

OLE DB Source

Union All

Multicast

Merge Join

Merge

Properties

Union All Data Flow Component

Common Properties

ComponentClassID	{074239CC-EBF1-47E5-B8CA-0E02}
ContactInfo	Union All;Microsoft Corporation; N
Description	Combines rows from multiple data
ID	52
IdentificationString	Union All
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Union All
PipelineVersion	0
UsesDispositions	False
ValidateExternalMetadata	True
Version	1

Solution Explorer Team Explorer Class View Tabular Model Explorer

Connection Managers

localhost.iti

Find Samples

Server... Toolb... SSIS... SQL S...

Output Error List Data Tools Operations

Name
Specifies the name of the component.

Activate Windows
Go to Settings to activate Windows.

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Format SSIS Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

SSIS Toolbox

Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

Data Flow Task: Data Flow Task

Control Flow Data Flow Parameters Event Handlers Package Explorer

OLE DB Source

Multicast

Conditional Split

Union All

Merge

Merge Join

Diagram showing the flow from OLE DB Source through Multicast, Conditional Split, Union All, Merge, and Merge Join components.

Properties

Multicast Data Flow Component

Common Properties

ComponentClassID	{EFE6B902-7646-42C1-96BB-21D1...}
ContactInfo	Multicast;Microsoft Corporation; N...
Description	Distributes every input row to eve...
ID	37
IdentificationString	Multicast
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Multicast
PipelineVersion	0
UsesDispositions	False
ValidateExternalMetadata	True
Version	0

Connection Managers

localhost.iti

Conditional Split

Routes data rows to different outputs depending on the content of the data. Use conditions (SSIS expressions) to specify which...

Find Samples

Serve... Toolbars SSIS... SQL Server... Output Error List Data Tools Operations

Activate Windows Go to Settings to activate Windows.

Solution Explorer Team Explorer Class View Tabular Model Explorer

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

SSIS Toolbox

Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

Data Flow Task: Data Flow Task

Control Flow Data Flow Parameters Event Handlers Package Explorer

OLE DB Source

Union All

Merge Join

Multicast

Conditional Split

Common Properties

Union All Data Flow Component

ComponentClassID	{074239CC-EBF1-47E5-B8CA-0E02}
ContactInfo	Union All;Microsoft Corporation; M
Description	Combines rows from multiple data
ID	52
IdentificationString	Union All
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Union All
PipelineVersion	0
UsesDispositions	False
ValidateExternalMetadata	True
Version	1

Solution Explorer Team Explorer Class View Tabular Model Explorer

Conditional Split

Routes data rows to different outputs depending on the content of the data. Use conditions (SSIS expressions) to specify which...

Find Samples

Connection Managers

localhost.iti

Name

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

Serve... Toolbars SSIS... SQL S... Output Error List Data Tools Operations

```
graph TD; OLEDB[OLE DB Source] --> UnionAll[Union All]; UnionAll --> MergeJoin[Merge Join]; UnionAll --> ConditionalSplit[Conditional Split]; ConditionalSplit --> Merge[Merge]; ConditionalSplit --> Multicast[Multicast]; ConditionalSplit --> EndX(( ));
```

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Format SSIS Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

SSIS Toolbox

Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

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

Data Flow Task: Data Flow Task

OLE DB Source Data Flow Component

Common Properties

ComponentClassID	{657B7EBE-0A54-4C0E-A80E-7A5...
ContactInfo	OLE DB Source;Microsoft Corpora...
Description	OLE DB Source
ID	1
IdentificationString	OLE DB Source
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	OLE DB Source
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	7

Custom Properties

AccessMode	OpenRowset
AlwaysUseDefaultCodePage	False
CommandTimeout	0
DefaultCodePage	1252
OpenRowset	[dbo].[Student]

Conditional Split

Routes data rows to different outputs depending on the content of the data. Use conditions (SSIS expressions) to specify which...

Find Samples

Connection Managers

localhost.ITI

Name
Specifies the name of the component.

Activate Windows
Go to Settings to activate Windows.

Serve... Toolb... SSIS... SQL S... Output Error List Data Tools Operations

```
graph TD; OLEDB[OLE DB Source] --> CS[Conditional Split]; CS -- Blue Path --> Output1; CS -- Orange Path --> Output2;
```

The screenshot shows the Microsoft Visual Studio interface for an Integration Services project. The main area displays a Data Flow Task within a package. An OLE DB Source component is connected to a Conditional Split component. The Conditional Split has two output paths, indicated by blue and orange arrows. The OLE DB Source is configured with a connection manager named 'localhost.ITI' and a query 'SELECT * FROM [dbo].[Student]'. The Properties window on the right shows the configuration for the OLE DB Source component, including its name, connection information, and query. The SSIS Toolbox on the left lists various data flow components, and the Solution Explorer on the far right shows the project structure.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Project Tools View Source Control Architecture Analyze Windows Help

Develop Default Start

SSIS Toolbox

Package7.dtsx [Design]* Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer

Data Flow Task: Data Flow Task

OLE DB Source Output Data Flow Path

Common Properties

Description
ID 69
IdentificationString Paths[OLE DB Source.OLE DB Sour...
Name OLE DB Source Output

Design

PathAnnotation AsNeeded

Misc

DestinationName Conditional Split Input
SourceName OLE DB Source Output

Conditional Split

Routes data rows to different outputs depending on the content of the data. Use conditions (SSIS expressions) to specify which...

Find Samples

Connection Managers

localhost.iti

Serve... Toolb... SSIS... SQL S...

Output Error List Data Tools Operations

Ready

Quick Launch (Ctrl+Q)

Sign In

SSIS Toolbox

Favorites

- Destination Assistant
- Source Assistant

Common

- Aggregate
- Balanced Data Distribut...
- Conditional Split
- Data Conversion
- Data Streaming Destin...
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimen...
- Sort
- Union All

Conditional Split

Connection Managers

localhost.iti

Name

Specifies the name of the path.

Activate Windows

Go to Settings to activate Windows.

Publish

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

Conditional Split Transformation Editor

SSIS Toolbox

Package7.dtsx [Design] Package

Control Flow Data Flow Parameters

Data Flow Task: Data Flow Task

Specify the conditions used to direct input rows to specific outputs. If an input row matches no condition, the row is directed to a default output.

Variables and Parameters Columns Mathematical Functions String Functions Date/Time Functions NULL Functions Type Casts Operators

Description:

Order	Output Name	Condition
-------	-------------	-----------

Default output name: Conditional Split Default Output

Configure Error Output... OK Cancel Help

Properties

Conditional Split Data Flow Component

Common Properties

ComponentClassID	7A2B9683-FF48-4927-8B2B-72B0
ContactInfo	Conditional Split;Microsoft Corp
Description	Routes data rows to different outputs
ID	62
IdentificationString	Conditional Split
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Conditional Split
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	0

Name: Conditional Split

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

Solution Explorer Team Explorer Class View Tabular Model Explorer

Output Error List Data Tools Operations

The screenshot illustrates the configuration of a Conditional Split transformation within an SSIS package. The 'Conditional Split' component is selected in the toolbox, and its properties are being reviewed in the properties window. The 'Name' property is explicitly set to 'Conditional Split', which is highlighted with a yellow background. This visual cue likely serves as a step in a tutorial or guide to ensure the component is correctly identified.

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Format SSIS Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

SSIS Toolbox

Package7.dtsx [Design] Control Flow Data Flow Parameters

Data Flow Task: Data Flow Task

Conditional Split Transformation Editor

Specify the conditions used to direct input rows to specific outputs. If an input row matches no condition, the row is directed to a default output.

Variables and Parameters

Columns

- St_Id
- St_Fname
- St_Lname
- St_Address
- St_Age
- Dept_Id
- St_super

Mathematical Functions

String Functions

Date/Time Functions

NULL Functions

Type Casts

Operators

Description:

Order	Output Name	Condition
1	Lessthan	[St_Age]<23
2	Greaterthan	[St_Age]>23
3	Equal	

Default output name: Conditional Split Default Output

Configure Error Output... OK Cancel Help

Properties

Conditional Split Data Flow Component

Common Properties

ComponentClassID	(7A2B9683-FF48-4927-8B2B-72B6)
ContactInfo	Conditional Split;Microsoft Corp
Description	Routes data rows to different outputs
ID	62
IdentificationString	Conditional Split
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Conditional Split
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	0

Name: Conditional Split

Specifies the name of the component.

Activate Windows Go to Settings to activate Windows.

Connection Managers

localhost.iti

Find Samples

Serve... Toolb... SSIS... SQL S...

Output Error List Data Tools Operations

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Format SSIS Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

SSIS Toolbox

Package7.dtsx [Design] Control Flow Data Flow Parameters

Data Flow Task: Data Flow Task

Conditional Split Transformation Editor

Specify the conditions used to direct input rows to specific outputs. If an input row matches no condition, the row is directed to a default output.

Variables and Parameters Columns

- St_Id
- St_Fname
- St_Lname
- St_Address
- St_Age
- Dept_Id
- St_super

Mathematical Functions String Functions Date/Time Functions NULL Functions Type Casts Operators

Description:

Order	Output Name	Condition
1	Lessthan	[St_Age]<23
2	Greaterthan	[St_Age]>23
3	Equal	[St_Age]=23

Default output name: Conditional Split Default Output

Configure Error Output... OK Cancel Help

Properties

Conditional Split Data Flow Component

Common Properties

ComponentClassID	{7A2B9683-FF48-4927-8B2B-72B6}
ContactInfo	Conditional Split;Microsoft Corp
Description	Routes data rows to different outputs
ID	62
IdentificationString	Conditional Split
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Conditional Split
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	0

Name: Conditional Split

Specifies the name of the component.

Activate Windows
Go to Settings to activate Windows.

Solution Explorer Team Explorer Class View Tabular Model Explorer

Find Samples

Connection Managers LocalHost.ITI

Serve... Toolbars SSIS... SQL Server... Output Error List Data Tools Operations

Integration Services Project13 - Microsoft Visual Studio

1-What is business Intelligence, SQL Server Integration Service-SSIS

Conditional Split Transformation Editor

Specify the conditions used to direct input rows to specific outputs. If an input row matches no condition, the row is directed to a default output.

Variables and Parameters

Columns

- St_Id
- St_Fname
- St_Lname
- St_Address
- St_Age
- Dept_Id
- St_Super

NULL Functions

- ISNULL(«expression»)
- REPLACENULL(«expression», «expression»)
- NULL(DT_I1)
- NULL(DT_I4)
- NULL(DT_I8)

Description:

Returns a Boolean result based on whether an expression is null.

Order	Output Name	Condition
1	Lessthan	REPLACENULL([St_Age],0)<23
2	Greaterthan	REPLACENULL([St_Age],0)>23

Default output name: Conditional Split Default Output

OK Cancel Help

Properties

Conditional Split Data Flow Component

Common Properties

ComponentClassID	(7A2B9683-FF48-4927-8B2B-72B6)
ContactInfo	Conditional Split;Microsoft Corp)
Description	Routes data rows to different outputs
ID	62
IdentificationString	Conditional Split
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Conditional Split
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	0

Name
Specifies the name of the component.

Activate Windows
Go to Settings to activate Windows.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Conditional Split Transformation Editor

Specify the conditions used to direct input rows to specific outputs. If an input row matches no condition, the row is directed to a default output.

Variables and Parameters

- Columns
 - St_Id
 - St_Fname
 - St_Lname
 - St_Address
 - St_Age
 - Dept_Id
 - St_super

NULL Functions

- f_k ISNULL(«expression»)
- f_k REPLACENULL(«expression», «expression»)
- f_k NULL(DT_I1)
- f_k NULL(DT_I2)
- f_k NULL(DT_I4)
- f_k NULL(DT_I8)

Description: Returns a Boolean result based on whether an expression is null.

Order	Output Name	Condition
1	Lessthan	REPLACENULL([St_Age],0)<23
2	Greaterthan	REPLACENULL([St_Age],0)>23

Default output name: Conditional Split Default Output

OK Cancel Help

Properties

Conditional Split Data Flow Component

Common Properties

- ComponentClassID: {7A2B9683-FF48-4927-8B2B-72B6}
- ContactInfo: Conditional Split;Microsoft Corp
- Description: Routes data rows to different outputs depending on the content of the data. Use conditions (SSIS expressions) to specify which...
- ID: 62
- IdentificationString: Conditional Split
- IsDefaultLocale: True
- LocaleID: English (United Kingdom)
- Name: **Conditional Split**
- PipelineVersion: 0
- UsesDispositions: True
- ValidateExternalMetadata: True
- Version: 0

Conditional Split

Routes data rows to different outputs depending on the content of the data. Use conditions (SSIS expressions) to specify which...

Configure Error Output...

OK Cancel Help

Name
Specifies the name of the component

Activate Windows
Go to Settings to activate Windows.



1-What is business Intelligence, SQL Server Integration Service-SSIS

SSIS Toolbox

- Data Mining Query
- DQS Cleansing
- Export Column
- Fuzzy Grouping
- Fuzzy Lookup
- Import Column
- Percentage Sampling
- Pivot
- Row Sampling
- Term Extraction
- Term Lookup
- Unpivot

Other Sources

- ADO NET Source
- CDC Source
- Excel Source**
- Flat File Source
- OLE DB Source
- Raw File Source
- XML Source

Other Destinations

- ADO NET Destination
- Data Mining Model Trai...
- DataReader Destination
- Dimension Processing

Excel Source

Connects and extracts data from worksheets or named ranges in Microsoft Excel workbooks. Choose one of four access...

[Find Samples](#)

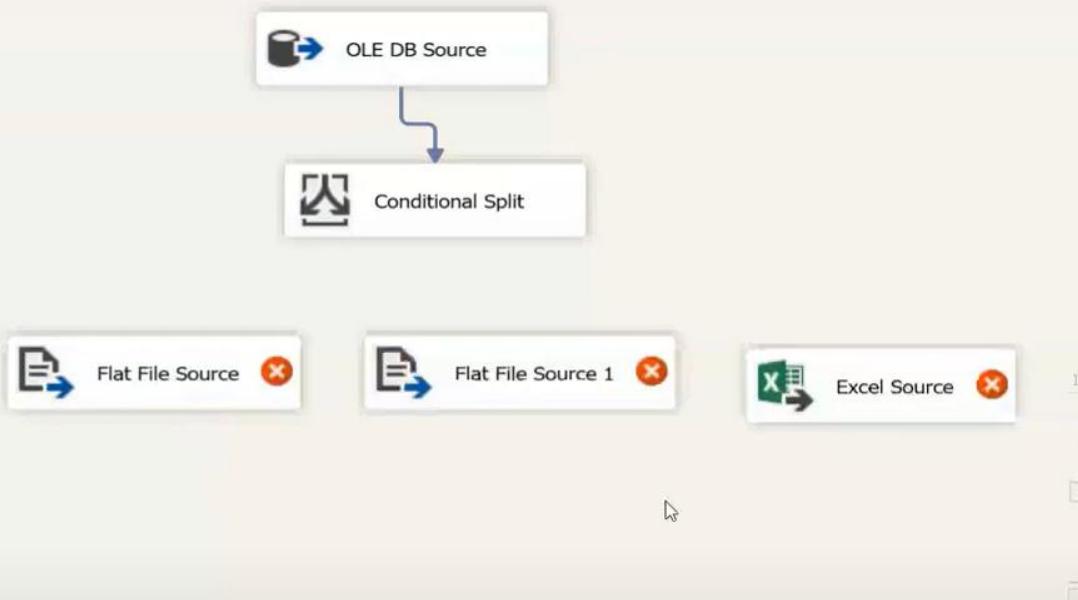
Serve... Toolb... SSIS... SQL S...

Output Error List Data Tools Operations

Package7.dtsx [Design] * Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

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

Data Flow Task: Data Flow Task



Connection Managers

localhost.iti

Properties

Data Flow Task Task

FailParentOnFailure	False
MaximumErrorCount	1
Forced Execution Value	
ForcedExecutionValue	0
ForcedExecutionValueType	Int32
ForceExecutionValue	False
Identification	
Description	Data Flow Task
ID	(7877690F-859B-471D-A9A-5...
Name	Data Flow Task
PackagePath	\Package\Data Flow Task
Misc	
[Conditional Split].[GreaterI REPLACENULL(St_Age,0) > 23	
[Conditional Split].[LessThanI REPLACENULL(St_Age,0) < 23	
AutoAdjustBufferSize	False
BLOBTempStoragePath	
BufferTempStoragePath	
DefaultBufferSize	10000
DefaultBufferMaxRows	10485760
EngineThreads	10
ExecValueVariable	<none>
Expressions	
ForceExecutionResult	None
HasExpressions	False
LocaleID	English (United Kingdom)
LoggingMode	UseParentSetting
RunInOptimizedMode	True
Transactions	
IsolationLevel	Serializable
TransactionOption	Supported
Name	Specifies the name of the object.

Activate Windows

Go to Settings to activate Windows.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

- Row Sampling
- Term Extraction
- Term Lookup
- Unpivot
- Other Sources
 - ADO.NET Source
 - CDC Source
 - Excel Source
 - Flat File 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
 - OLE DB Destination
 - Partition Processing
 - Raw File Destination
 - Recordset Destination
 - SQL Server Compact De...
 - SQL Server Destination

Package7.dtsx [Design]*

Control Flow Data Flow

Data Flow Task: Data Flow

Configure the properties used by a data flow to obtain data from any OLE DB provider.

Connection Manager Columns Error Output

Available External Col.

<input checked="" type="checkbox"/> Name
<input checked="" type="checkbox"/> St_Id
<input checked="" type="checkbox"/> St_Fname
<input checked="" type="checkbox"/> St_Lname
<input checked="" type="checkbox"/> St_Address
<input checked="" type="checkbox"/> St_Age
<input checked="" type="checkbox"/> Dept_Id

External Column Output Column

St_Id	St_Id
St_Fname	St_Fname
St_Lname	St_Lname
St_Address	St_Address
St_Age	St_Age
Dept_Id	Dept_Id
St_super	St_super

Properties

OLE DB Source Data Flow Component

Common Properties

ComponentClassID	{657B7EBE-0A54-4C0E-A80E-7A5...
ContactInfo	OLE DB Source;Microsoft Corpora...
Description	OLE DB Source
ID	1
IdentificationString	OLE DB Source
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	OLE DB Source
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	7

Custom Properties

AccessMode	OpenRowset
AlwaysUseDefaultCodePage	False
CommandTimeout	0
DefaultCodePage	1252
OpenRowset	[dbo].[Student]

Name

Specifies the name of the component

Activate Windows

Go to Settings to activate Windows.

1-What is business Intelligence, SQL Server Integration Service-SSIS

File Project Tools View Database Windows Help

Develop Default Start

SSIS Toolbox

Row Sampling
Term Extraction
Term Lookup
Unpivot
Other Sources
ADO NET Source
CDC Source
Excel Source
Flat File 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
OLE DB Destination
Partition Processing
Raw File Destination
Recordset Destination
SQL Server Compact De...
SQL Server Destination

Flat File Destination

Writes to a text file. You can specify fixed widths for data columns, use delimiters to identify columns and rows, or use both...
Find Samples

Connection Managers
localhost.ITI

Output Error List Data Tools Operations

Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

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

Data Flow Task: Data Flow Task

OLE DB Source

Input Output Selection

The source or the destination component contains multiple inputs or outputs. Select an input and an output to connect the components.

Output:
Lessthan

Input:
Flat File Destination Input

OK Cancel

Properties

Conditional Split Data Flow Component

Common Properties

ComponentClassID	(7A2B9683-FF48-4927-8B2B-72B6)
ContactInfo	Conditional Split;Microsoft Corp...
Description	Routes data rows to different out...
ID	62
IdentificationString	Conditional Split
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Conditional Split
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	0

Conditional Split Data Flow Component

Common Properties

ComponentClassID	(7A2B9683-FF48-4927-8B2B-72B6)
ContactInfo	Conditional Split;Microsoft Corp...
Description	Routes data rows to different out...
ID	62
IdentificationString	Conditional Split
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Conditional Split
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	0

Team Explorer Class View Tabular Model Explorer

Name
Specifies the name of the component.
Activate Windows
Go to Settings to activate Windows.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

- Row Sampling
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- Other Sources
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 - OLE DB Source
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 - XML Source
- Other Destinations
 - ADO.NET Destination
 - Data Mining Model Trained
 - DataReader Destination
 - Dimension Processing
 - Excel Destination
 - Flat File Destination
 - OLE DB Destination
 - Partition Processing
 - Raw File Destination
 - Recordset Destination
 - SQL Server Compact Destination
 - SQL Server Destination

Package7.dtsx [Design] * Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

Data Flow Task: Data Flow Task

OLE DB Source

Input Output Selection

The source or the destination component contains multiple inputs or outputs. Select an input and an output to connect the components.

Output: Greaterthan

Input: Flat File Destination Input

OK Cancel

Connection Managers

localhost.iti

Properties

Conditional Split Data Flow Component

Common Properties

ComponentClassID	{7A2B9683-FF48-4927-8B2B-72B6C0D9E830}
ContactInfo	Conditional Split;Microsoft Corporation
Description	Routes data rows to different outputs based on a condition.
ID	62
IdentificationString	Conditional Split
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Conditional Split
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	0

Conditional Split Data Flow Component

Common Properties

ComponentClassID: {7A2B9683-FF48-4927-8B2B-72B6C0D9E830}

ContactInfo: Conditional Split;Microsoft Corporation

Description: Routes data rows to different outputs based on a condition.

ID: 62

IdentificationString: Conditional Split

IsDefaultLocale: True

LocaleID: English (United Kingdom)

Name: **Conditional Split**

PipelineVersion: 0

UsesDispositions: True

ValidateExternalMetadata: True

Version: 0

Flat File Destination

Writes to a text file. You can specify fixed widths for data columns, use delimiters to identify columns and rows, or use both...

Find Samples

Server... Toolbar... SSIS... SQL Server... Output Error List Data Tools Operations Ready

Quick Launch (Ctrl+Q) Sign In

Solution Explorer Team Explorer Class View Tabular Model Explorer

Name: Specifies the name of the component. Activate Windows Go to Settings to activate Windows. Publish

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

Data Flow Task: Data Flow Task

Destination Assistant

Common

- Aggregate
- Balanced Data Distribut...
- Conditional Split
- Data Conversion
- Data Streaming Destin...
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimen...
- Sort
- Union All

Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Connection Managers

localhost.iti

Properties

Greaterthan Data Flow Path

Common Properties

- Description: Greaterthan
- ID: 168
- IdentificationString: Paths[Conditional Split.Greaterthan]
- Name: Greaterthan
- Design
- PathAnnotation: AsNeeded
- Misc
- DestinationName: Flat File Destination Input
- SourceName: Greaterthan

Quick Launch (Ctrl+Q)

Sign In

Solution Explorer

Team Explorer

Class View

Tabular Model Explorer

Activate Windows

Go to Settings to activate Windows.

Ready

Publish

The screenshot shows the Microsoft Visual Studio interface for an SSIS project named "Integration Services Project13". The main window displays the "Data Flow Task" editor. A modal dialog box titled "Destination Assistant - Add New Destination" is open, showing a list of destination types: "SQL Server", "Excel" (which is selected and highlighted in blue), and "Oracle". To the right of the list is a "Select connection managers" section with a "New..." button. Below the list is a checkbox labeled "Show only installed destination types". A descriptive message at the bottom of the dialog box reads: "First, select the type of destination for the data. Second, click New or OK to create a connection or select an existing connection to the destination." At the bottom right of the dialog are "OK" and "Cancel" buttons. On the left side of the main window, the "SSIS Toolbox" is visible, showing various data flow components like Destination Assistant and Source Assistant. The "Properties" window on the right shows the configuration for a "Greaterthan" data flow path, including its name, ID, and connection details. The "Solution Explorer" and "Team Explorer" windows are also visible on the right side of the interface.



1-What is business Intelligence, SQL Server Integration Service-SSIS

SSIS Toolbox

- Favorites
 - Destination Assistant
 - Source Assistant
- Common
 - Aggregate
 - Balanced Data Distribut...
 - Conditional Split
 - Data Conversion
 - Data Streaming Destina...
 - Derived Column
 - HDFS File Destination
 - HDFS File Source
 - Lookup
 - Merge
 - Merge Join
 - Multicast
 - OData Source
 - ODBC Destination
 - ODBC Source
 - OLE DB Command
 - Row Count
 - Script Component
 - Slowly Changing Dimen...
 - Sort
 - Union All
- Destination Assistant

Package7.dtsx [Design] * Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

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

Data Flow Task: Data Flow Task

Excel Connection Manager

Specify an Excel file to connect to by selecting an existing file or by providing a file path to create a new file.

Excel connection settings

Excel file path: Browse...

Excel version: Microsoft Excel 97-2003

First row has column names

OK Cancel

Flat File Destination

Connection Managers

localhost.iti

Properties

Greaterthan Data Flow Path

Description	168
IdentificationString	Paths Conditional Split.Greaterthan
Name	Greaterthan
Design	PathAnnotation AsNeeded
Misc	DestinationName Flat File Destination Input SourceName Greaterthan

Name
Specifies the name of the path.

Activate Windows
Go to Settings to activate Windows.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Project Tools Window Test Help

Develop Default Start

Quick Launch (Ctrl+Q)

Sign In

SSIS Toolbox

Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer

Data Flow Task: Data Flow Task

Properties

Greaterthan Data Flow Path

Common Properties

- Description
- ID: 168
- IdentificationString: Paths[Conditional Split.Greaterthan]
- Name: Greaterthan
- Annotation: AsNeeded
- TypeName: Flat File Destination Input
- Name: Greaterthan

Solution Explorer Team Explorer Class View Tabular Model Explorer

Excel Connection Manager

Open

This PC > This PC > ITI (F):

Name	Date modified	Type	Size
ITI	07/10/2020 13:41	File folder	
MetroSales	26/10/2020 12:48	File folder	
mystuds.xls	26/10/2020 13:42	Microsoft Excel 97...	13 KB

Organise New folder

File name: equaldata

Excel files (*.xls; *.xlsx; *.xlsm; *.xl

Open Cancel

Specifies the name of the path.

Activate Windows
Go to Settings to activate Windows.

Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Find Samples

Connection Managers

localhost.iti Excel Conn

Server... Toolb... SSIS... SQL S...

Output Error List Data Tools Operations

Ready

Publish

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

Data Flow Task: Data Flow Task

Excel Connection Manager

Specify an Excel file to connect to by selecting an existing file or by providing a file path to create a new file.

Excel connection settings

Excel file path: F:\equaldata.xls

Excel version: Microsoft Excel 97-2003

First row has column names

OK Cancel

Connection Managers

localhost.ITI Excel Connection Manager

Properties

Greaterthan Data Flow Path

Common Properties

Description	168
ID	168
IdentificationString	Paths[Conditional Split.Greatertha
Name	Greaterthan

Design

PathAnnotation	AsNeeded
----------------	----------

Misc

DestinationName	Flat File Destination Input
SourceName	Greaterthan

Solution Explorer

Team Explorer

Class View

Tabular Model Explorer

Find Samples

Server... Toolbars... SSIS... SQL Server... Output Error List Data Tools Operations

Name
Specifies the name of the path.
Activate Windows
Go to Settings to activate Windows.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

- Favorites
 - Destination Assistant
 - Source Assistant
- Common
 - Aggregate
 - Balanced Data Distribut...
 - Conditional Split
 - Data Conversion
 - Data Streaming Destina...
 - Derived Column
 - HDFS File Destination
 - HDFS File Source
 - Lookup
 - Merge
 - Merge Join
 - Multicast
 - OData Source
 - ODBC Destination
 - ODBC Source
 - OLE DB Command
 - Row Count
 - Script Component
 - Slowly Changing Dimen...
 - Sort
 - Union All
- Destination Assistant
 - Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Package7.dtsx [Design]* Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

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

Data Flow Task: Data Flow Task

Excel Connection Manager

Specify an Excel file to connect to by selecting an existing file or by providing a file path to create a new file.

Excel connection settings

Excel file path:
F:\equaldata.xls

Excel version:
Microsoft Excel 97-2003

First row has column names

OK Cancel

Connection Managers

- localhost.iti
- Excel Connection Manager

Properties

Greaterthan Data Flow Path

Common Properties

- Description
- ID: 168
- IdentificationString: Paths[Conditional Split.Greatertha
- Name: Greaterthan

Design

- PathAnnotation: AsNeeded

Misc

- DestinationName: Flat File Destination Input
- SourceName: Greaterthan

Properties

Name: Greaterthan

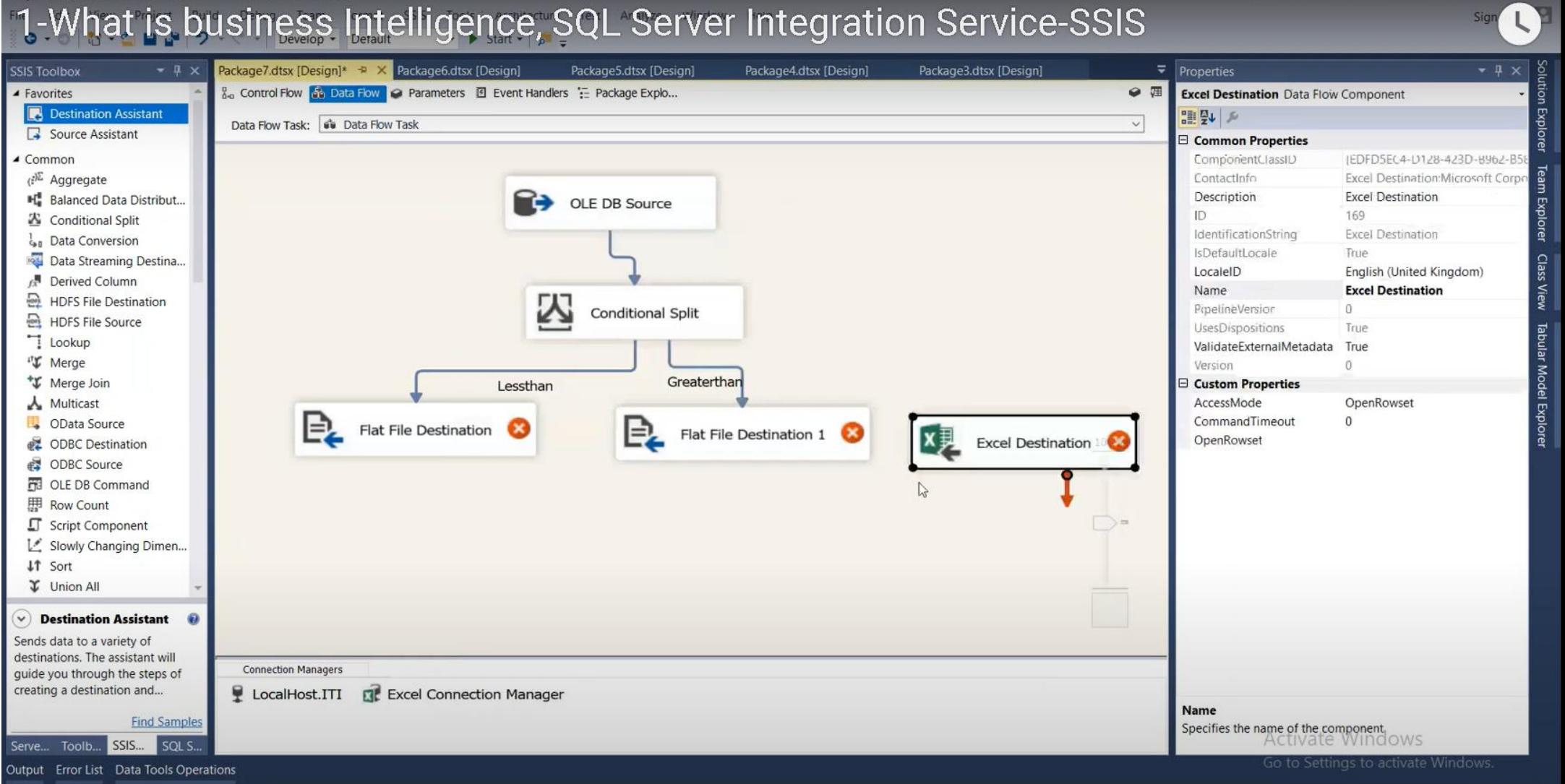
Specifies the name of the path.

Activate Windows

Go to Settings to activate Windows.

Solution Explorer Team Explorer Class View Tabular Model Explorer

Integration Services Project13 - Microsoft Visual Studio



1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

- Favorites
 - Destination Assistant
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- Common
 - Aggregate
 - Balanced Data Distribut...
 - Conditional Split
 - Data Conversion
 - Data Streaming Destina...
 - Derived Column
 - HDFS File Destination
 - HDFS File Source
 - Lookup
 - Merge
 - Merge Join
 - Multicast
 - OData Source
 - ODBC Destination
 - ODBC Source
 - OLE DB Command
 - RowCount
 - Script Component
 - Slowly Changing Dimen...
 - Sort
 - Union All
- Destination Assistant

Package7.dtsx [Design]* Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer

Data Flow Task: Data Flow Task

```

graph TD
    OLEDB[OLE DB Source] --> CS[Conditional Split]
    CS -- Lessthan --> FFD[Flat File Destination]
    CS -- Greaterthan --> FFD1[Flat File Destination 1]
    CS -- "Conditional Split Default Output" --> EXD[Excel Destination]
  
```

Properties

Flat File Destination 1 Data Flow Component

Property	Value
ComponentClassID	{44152846-E5A6-4EDB-888E-7073}
ContactInfo	Flat File Destination;Microsoft Cor
Description	Flat File Destination
ID	163
IdentificationString	Flat File Destination 1
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Flat File Destination 1
PipelineVersion	0
UsesDispositions	False
ValidateExternalMetadata	True
Version	0

Custom Properties

Property	Value
Header	
Overwrite	True

Connection Managers

- localhost.iti
- Excel Connection Manager

Output Error List Data Tools Operations

Activate Windows
Go to Settings to activate Windows.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Project Tools Architecture Tools Data Flow Data Flow Task Data Flow

SSIS Toolbox Package7.dtsx [Design]* Control Flow Data Flow

Destination Assistant Source Assistant

Common Aggregate Balanced Data Distrib Conditional Split Data Conversion Data Streaming Dest Derived Column HDFS File Destination HDFS File Source Lookup Merge Merge Join Multicast OData Source ODBC Destination ODBC Source OLE DB Command Row Count Script Component Slowly Changing Dimen... Sort Union All

Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Find Samples

Connection Managers LocalHost.ITI

Create a new flat file connection manager by clicking New.

OK Cancel Help

Configure the properties used to connect to and insert data into a text file.

Flat File Format

Choose the format of the destination flat file.

Delimited

The columns are delimited by commas, except the last one which is delimited by the new line character.

Fixed width

The columns are defined by fixed widths.

Fixed width with row delimiters

The columns are defined by fixed widths. An extra column, delimited by the new line characters, is added to define row delimiters.

Ragged right

The columns are defined by fixed widths, except the last one which is delimited by the new line character.

New... Update...

Properties

Flat File Destination Data Flow Component

Common Properties

ComponentClassID	(44152846-E5A6-4EDB-8B8E-7072)
ContactInfo	Flat File Destination;Microsoft Cor
Description	Flat File Destination
ID	157
IdentificationString	Flat File Destination
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Flat File Destination
PipelineVersion	0
UsesDispositions	False
ValidateExternalMetadata	True
Version	0

Custom Properties

Header	
Overwrite	True

Name

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

Output Error List Data Tools Operations

Ready

Quick Launch (Ctrl+Q) Sign In

Solution Explorer Team Explorer Class View Tabular Model Explorer

Publish

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Project Tools Architecture Tools Windows Help

SSIS Toolbox

Package7.dtsx [Design]*

Control Flow Data Flow

Data Flow Task: Data Flow

SSIS Toolbox

Favorites

- Destination Assistant
- Source Assistant

Common

- Aggregate
- Balanced Data Distribution
- Conditional Split
- Data Conversion
- Data Streaming Destination
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimension
- Sort
- Union All

Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Find Samples

Connection Managers

- localhost.iti
- E

Server... Toolbars SSIS... SQL Server... Output Error List Data Tools Operations Ready

Flat File Destination Editor

Configure the properties used to connect to and insert data into a text file.

Flat File Connection Manager Editor

Open

Organise New folder

This PC

- 3D Objects
- Desktop
- Documents
- Downloads
- Music
- Pictures
- Videos
- Local Disk (C:)
- Study (D:)
- Sources (E:)
- ITI (F:)

Name Date modified Type Size

Name	Date modified	Type	Size
ITI	07/10/2020 13:41	File folder	
MetroSales	26/10/2020 12:48	File folder	
studs.txt	26/10/2020 13:42	Text Document	1 KB

File name: lessthan

Text files (*.txt)

Open Cancel

A valid file name must be selected.

Properties

Flat File Destination Data Flow Component

Connection Properties

- ComponentClassID: {44152846-E5A6-4EDB-8B8E-7072C98A8A8A}
- ConnectionString: Flat File Destination;Microsoft Corporation
- DefaultContainer: Flat File Destination
- ID: 157
- LanguageString: English (United Kingdom)
- MultiLocale: True
- Name: Flat File Destination
- NeVersion: 0
- Positions: False
- SaveExternalMetadata: True
- Size: 0

Item Properties

- Overwrite: True

Activate Windows

Go to Settings to activate Windows.

Help

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Project Tools View Architecture Tools Help Default

Quick Launch (Ctrl+Q) Sign In

SSIS Toolbox

Package7.dtsx [Design]*

Control Flow Data Flow

Data Flow Task: Data Flow

Flat File Destination Editor

Configure the properties used to connect to and insert data into a text file.

Flat File Connection Manager Editor

Connection manager name: Flat File Connection Manager

Description:

Specify the characters that delimit the source file:

Row delimiter: (CR){LF}

Column delimiter: Comma {,}

Preview rows 2-1:

St_Id	St_Fname	St_Lname	St_Address	St_Age

Refresh Reset Columns

OK Cancel Help

Connection Managers

localhost.ITI

Find Samples

Serve... Toolb... SSIS... SQL S...

Output Error List Data Tools Operations

Ready

Properties

Flat File Destination Data Flow Component

Common Properties

ComponentClassID	(44152846-E5A6-4EDB-BB8E-7072)
ContactInfo	Flat File Destination;Microsoft Cor
Description	Flat File Destination
ID	157
IdentificationString	Flat File Destination
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Flat File Destination
PipelineVersion	0
UsesDispositions	False
ValidateExternalMetadata	True
Version	0

Custom Properties

Header	True
Overwrite	True

5 seconds

Name

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

↑ Publish

Solution Explorer Team Explorer Class View Tabular Model Explorer

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Project Tools View Architecture Test Analyze Help

Develop Default

SSIS Toolbox

Package7.dtsx [Design]*

Control Flow Data Flow

Data Flow Task Data Flow

Flat File Destination Editor

Configure the properties used to connect to and insert data into a text file.

Flat File Connection Manager Editor

Connection manager name: Flat File Connection Manager

Description:

Select a file and specify the file properties and the file format.

File name: F:\lessthan.txt

Browse...

Locale: English (United Kingdom)

Code page: 1252 (ANSI - Latin I)

Format: Delimited

Text qualifier: <none>

Header row delimiter: (CR)(LF)

Header rows to skip: 0

Column names in the first data row

OK Cancel Help

Properties

Flat File Destination Data Flow Component

Common Properties

ComponentClassID	{44152846-E5A6-4EDB-888E-7072}
ContactInfo	Flat File Destination;Microsoft Corp
Description	Flat File Destination
ID	157
IdentificationString	Flat File Destination
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Flat File Destination
PipelineVersion	0
UsesDispositions	False
ValidateExternalMetadata	True
Version	0

Custom Properties

Header	True
Overwrite	True

Name

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

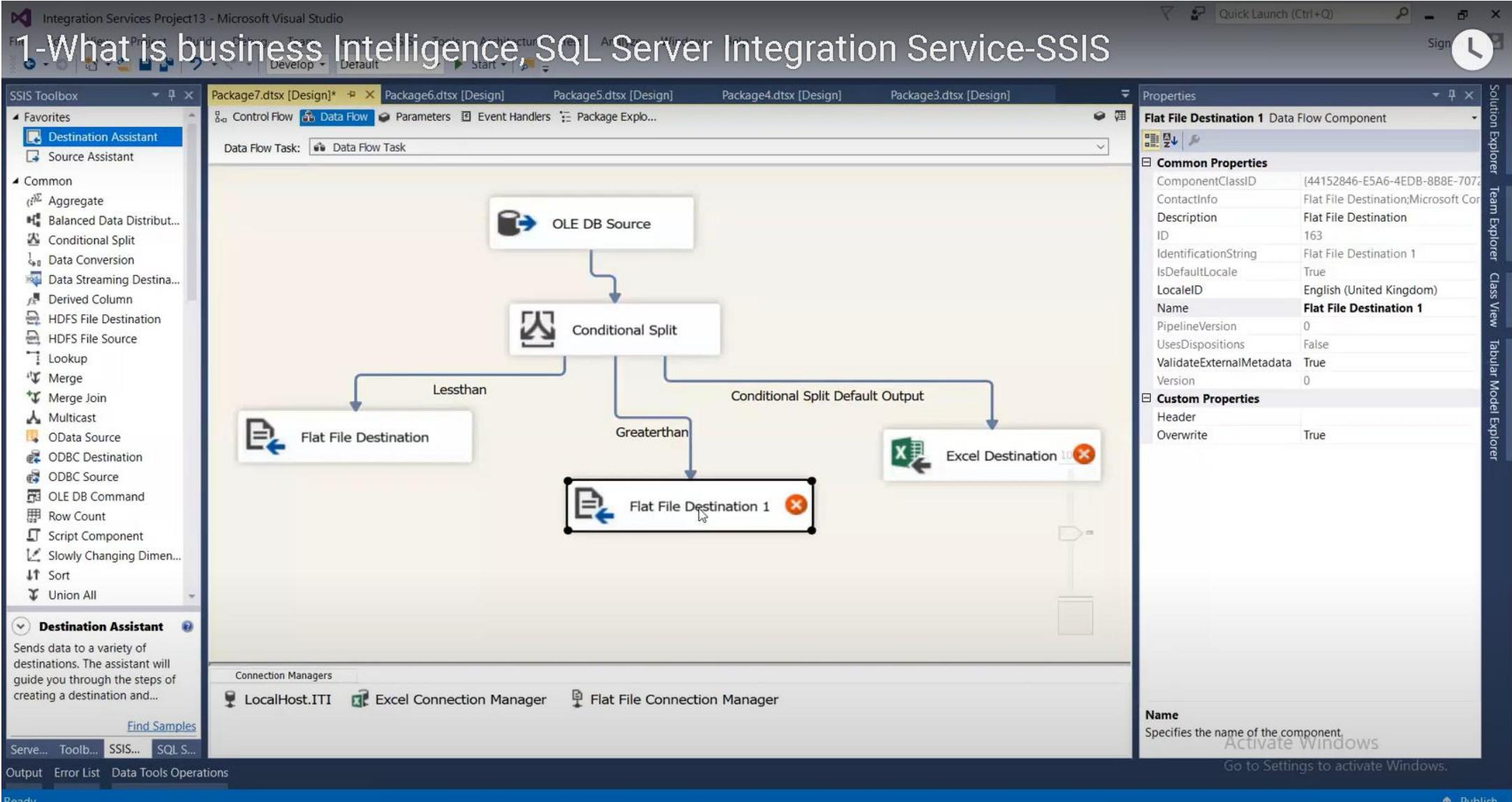
Solution Explorer Team Explorer Class View Tabular Model Explorer

Server... Toolbars SSIS... SQL Server... Find Samples

Output Error List Data Tools Operations

Ready

The screenshot shows the Microsoft Visual Studio IDE with the SSIS Designer open. A 'Flat File Destination Editor' dialog is displayed, allowing configuration of a flat file destination. The 'Connection manager name' is set to 'Flat File Connection Manager'. The 'File name' is specified as 'F:\lessthan.txt'. The 'Format' is set to 'Delimited' with a 'Header row delimiter' of '(CR)(LF)'. The 'Name' property in the Properties window is explicitly set to 'Flat File Destination'. The 'Common Properties' section of the Properties window lists various settings like 'ComponentClassID', 'ContactInfo', and 'Description'. The 'Custom Properties' section includes 'Header' and 'Overwrite' settings. The Solution Explorer, Team Explorer, and other standard VS toolbars are visible at the bottom.



1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

- Favorites
 - Destination Assistant
 - Source Assistant
- Common
 - Aggregate
 - Balanced Data Distribut...
 - Conditional Split
 - Data Conversion
 - Data Streaming Destina...
 - Derived Column
 - HDFS File Destination
 - HDFS File Source
 - Lookup
 - Merge
 - Merge Join
 - Multicast
 - OData Source
 - ODBC Destination
 - ODBC Source
 - OLE DB Command
 - RowCount
 - Script Component
 - Slowly Changing Dimen...
 - Sort
 - Union All

Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Find Samples

Connection Managers

- localhost.iti
- Excel Connection Manager
- Flat File Connection Manager

Properties

Flat File Destination 1 Data Flow Component

Common Properties	
ComponentClassID	(44152846-E5A6-4EDB-8B8E-7072)
ContactInfo	Flat File Destination;Microsoft Cor...
Description	Flat File Destination
ID	163
IdentificationString	Flat File Destination 1
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Flat File Destination 1
PipelineVersion	0
UsesDispositions	False
ValidateExternalMetadata	True
Version	0

Custom Properties

Header	True
Overwrite	True

Ready

1-What is business Intelligence, SQL Server Integration Service-SSIS

The screenshot shows the Microsoft Visual Studio interface for an Integration Services Project. The title bar reads "Integration Services Project13 - Microsoft Visual Studio".

The SSIS Toolbox is open on the left, showing various components like Destination Assistant, Source Assistant, and Common components such as Flat File Destination, ODBC Destination, and OLE DB Command.

A "Data Flow Task" is selected in the main workspace. A "Flat File Destination Editor" dialog box is open, prompting the user to "Configure the properties used to connect to and insert data into a text file". It includes fields for "Connection Manager" (set to "Flat File Connection Manager"), "Overwrite data in the file" (checked), and a "Header" section with a preview area. A "Preview..." button is at the bottom.

The "Properties" window on the right displays the properties for "Flat File Destination 1" (Data Flow Component). The "Common Properties" section includes:

Name	Value
ComponentClassID	{44152846-E5A6-4EDB-8B8E-7072}
ContactInfo	Flat File Destination;Microsoft Cor
Description	Flat File Destination
ID	163
IdentificationString	Flat File Destination 1
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Flat File Destination 1
PipelineVersion	0
UsesDispositions	False
ValidateExternalMetadata	True
Version	0

The "Custom Properties" section includes:

Name	Value
Header	
Overwrite	True

At the bottom of the Properties window, there is a note: "Name Specifies the name of the component." followed by "Activate Windows" and "Go to Settings to activate Windows."

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Tools

Choose the format of the destination flat file.

Delimited
The columns are delimited by commas, except the last one which is delimited by the new line character.

Fixed width
The columns are defined by fixed widths.

Fixed width with row delimiters
The columns are defined by fixed widths. An extra column, delimited by the new line characters, is added to define row delimiters.

Ragged right
The columns are defined by fixed widths, except the last one which is delimited by the new line character.

OK

Flat File Destination

used to connect to and insert data into a text file.

Flat File connection manager: Flat File Connection Manager

Overwrite data in the file

Header:

Preview...

Properties

Flat File Destination 1 Data Flow Component

Common Properties

ComponentClassID	(44152846-E5A6-4EDB-8B8E-7072)
ContactInfo	Flat File Destination;Microsoft Cor
Description	Flat File Destination
ID	163
IdentificationString	Flat File Destination 1
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Flat File Destination 1
PipelineVersion	0
UsesDispositions	False
ValidateExternalMetadata	True
Version	0

Custom Properties

Header	True
Overwrite	True

Name

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

Ready

Solution Explorer Team Explorer Class View Tabular Model Explorer

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

Package7.dtsx [Design]*

Control Flow Data Flow

Data Flow Task: Data Flow

Flat File Destination Editor

Configure the properties used to connect to and insert data into a text file.

Flat File Connection Manager Editor

Connection manager name: Flat File Connection Manager 1

Description:

Select a file and specify the file properties and the file format.

File name: Browse...

Locale: English (United Kingdom) Unicode

Code page: 1252 (ANSI - Latin I)

Format: Delimited

Text qualifier: <none>

Header row delimiter:

Header rows to skip: 0

Column names in the first data row

A valid file name must be selected.

OK Cancel Help

Properties

Flat File Destination 1 Data Flow Component

Common Properties

ComponentClassID	(44152846-E5A6-4EDB-8B8E-7072)
ContactInfo	Flat File Destination;Microsoft Cor
Description	Flat File Destination
ID	163
IdentificationString	Flat File Destination 1
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Flat File Destination 1
PipelineVersion	0
UsesDispositions	False
ValidateExternalMetadata	True
Version	0

Custom Properties

Header	
Overwrite	True

Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Find Samples

Connection Managers

localhost.ITI

Output Error List Data Tools Operations

Ready

Quick Launch (Ctrl+Q)

Sign In

Solution Explorer Team Explorer Class View Tabular Model Explorer

Activate Windows Go to Settings to activate Windows.

Help Publish

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

Package7.dtsx [Design]*

Control Flow Data Flow

Data Flow Task: Data Flow

Destination Assistant

Source Assistant

Common

- Aggregate
- Balanced Data Distributor
- Conditional Split
- Data Conversion
- Data Streaming Destination
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimension
- Sort
- Union All

Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Find Samples

Connection Managers

localhost.iti

OK Cancel Help

Properties

Flat File Destination 1 Data Flow Component

Common Properties

ComponentClassID	{44152846-E5A6-4EDB-88E-7072}
ContactInfo	Flat File Destination;Microsoft Cor
Description	Flat File Destination
ID	163
IdentificationString	Flat File Destination 1
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Flat File Destination 1
PipelineVersion	0
UsesDispositions	False
ValidateExternalMetadata	True
Version	0

Custom Properties

Header	
Overwrite	True

Name

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

OK Cancel Help

Configure the properties used to connect to and insert data into a text file.

Flat File Connection Manager Editor

Connection manager name: Flat File Connection Manager 1

Description:

Select a file and specify the file properties and the file format.

File name: F:\greaterthan.txt

Locale: English (United Kingdom)

Code page: 1252 (ANSI - Latin I)

Format: Delimited

Text qualifier: <none>

Header row delimiter: [CR][LF]

Header rows to skip: 0

Column names in the first data row

OK Cancel Help



1-What is business Intelligence, SQL Server Integration Service-SSIS

The screenshot shows the Microsoft Visual Studio interface for an SSIS package named "Package7.dtsx". The main window displays the "Data Flow" tab, which is currently selected. On the left, the "SSIS Toolbox" is open, showing various components like Destination Assistant, Source Assistant, and Common components such as Aggregate, Balanced Data Distributor, Conditional Split, Data Conversion, Data Streaming Destination, Derived Column, HDFS File Destination, HDFS File Source, Lookup, Merge, Merge Join, Multicast, OData Source, ODBC Destination, ODBC Source, OLE DB Command, Row Count, Script Component, Slowly Changing Dimension, Sort, and Union All. The "Destination Assistant" is also visible in the toolbox.

The central area shows the "Flat File Connection Manager Editor" dialog box. It contains fields for "Connection manager name" (set to "Flat File Connection Manager 1"), "Description", and a "Select a file and specify the file properties and the file format" section. In this section, the "File name" is set to "F:\greaterthan.txt", the "Format" is "Delimited", and the "Text qualifier" is "<none>". The "Header row delimiter" is set to "[CR][LF]". The "Header rows to skip" field is set to "0". A checkbox for "Column names in the first data row" is unchecked.

To the right of the editor is the "Properties" window, which lists the properties for "Flat File Destination 1" (Data Flow Component). The "Common Properties" section includes fields like ComponentClassID, ContactInfo, Description, ID, IdentificationString, IsDefaultLocale, LocaleID, Name (set to "Flat File Destination 1"), PipelineVersion, UsesDispositions, ValidateExternalMetadata, and Version. The "Custom Properties" section includes "Header" (set to "True") and "Overwrite" (set to "True").

The bottom right corner of the screen displays a watermark: "Activate Windows. Go to Settings to activate Windows." and "Publish".

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

Package7.dtsx [Design]*

Control Flow Data Flow

Data Flow Task: Data Flow

Destination Assistant

Source Assistant

Common

- Aggregate
- Balanced Data Distribut...
- Conditional Split
- Data Conversion
- Data Streaming Destinat...
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- RowCount
- Script Component
- Slowly Changing Dimen...
- Sort
- Union All

Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Find Samples

Connection Managers

localhost.ITI

OK Cancel Help

Flat File Connection Manager Editor

Configure the properties used to connect to and insert data into a text file.

Connection manager name: Flat File Connection Manager 1

Description:

Select a file and specify the file properties and the file format.

File name: F:\greaterthan.txt

Locale: English (United Kingdom)

Code page: 1252 (ANSI - Latin I)

Format: Delimited

Text qualifier: <none>

Header row delimiter: (CR)(LF)

Header rows to skip: 0

Column names in the first data row

OK Cancel Help

Properties

Flat File Destination 1 Data Flow Component

Common Properties

ComponentClassID	{44152846-E5A6-4EDB-88E-7072}
ContactInfo	Flat File Destination;Microsoft Cor
Description	Flat File Destination
ID	163
IdentificationString	Flat File Destination 1
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Flat File Destination 1
PipelineVersion	0
UsesDispositions	False
ValidateExternalMetadata	True
Version	0

Custom Properties

Header	True
Overwrite	True

Name

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

OK Cancel Help

1-What is business Intelligence, SQL Server Integration Service-SSIS

Configure the properties used to connect to and insert data into a text file.

Flat File Connection Manager Editor

Connection manager name: Flat File Connection Manager 1

Description:

Specify the characters that delimit the source file:

Row delimiter: [CR]{LF}

Column delimiter: Comma {,}

Preview rows 2-1:

St_Id	St_Fname	St_Lname	St_Address	St_Age

Refresh Reset Columns

OK Cancel Help

Properties

Flat File Destination 1 Data Flow Component

Common Properties

- ComponentClassID: {44152846-E5A6-4EDB-8B8E-7072}
- ContactInfo: Flat File Destination;Microsoft Corp
- Description: Flat File Destination
- ID: 163
- IdentificationString: Flat File Destination 1
- IsDefaultLocale: True
- LocaleID: English (United Kingdom)
- Name: **Flat File Destination 1**
- PipelineVersion: 0
- UsesDispositions: False
- ValidateExternalMetadata: True
- Version: 0

Custom Properties

- Header: True
- Overwrite: True

Name
Specifies the name of the component.

Activate Windows
Go to Settings to activate Windows.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Project Tools Architecture Data View Help

Develop Default

SSIS Toolbox

Package7.dtsx [Design]*

Control Flow Data Flow

Data Flow Task Data Flow

SSIS Toolbox

Favorites

- Destination Assistant
- Source Assistant

Common

- Aggregate
- Balanced Data Distribut...
- Conditional Split
- Data Conversion
- Data Streaming Destina...
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimen...
- Sort
- Union All

Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Find Samples

Connection Managers

localhost.ITI

OK Cancel Help

Configure the properties used to connect to and insert data into a text file.

Connection Manager Mappings

Available Input... Available Desti...

Input Column	Destination Column
St_Id	St_Id
St_Fname	St_Fname
St_Lname	St_Lname
St_Address	St_Address
St_Age	St_Age
Dept_Id	Dept_Id
St_super	St_super

Properties

Flat File Destination 1 Data Flow Component

Common Properties

ComponentClassID	{44152846-E5A6-4EDB-8B8E-707...
ContactInfo	Flat File Destination;Microsoft Cor...
Description	Flat File Destination
ID	163
IdentificationString	Flat File Destination 1
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Flat File Destination 1
PipelineVersion	0
UsesDispositions	False
ValidateExternalMetadata	True
Version	0

Custom Properties

Header	
Overwrite	True

Name

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

Output Error List Data Tools Operations

Ready

Quick Launch (Ctrl + Q) Sign In

Solution Explorer Team Explorer Class View Tabular Model Explorer

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Project Open Recent View Tools Architecture Help Default Sign In

Quick Launch (Ctrl+Q)

SSIS Toolbox

Package7.dtsx [Design]*

Control Flow Data Flow

Data Flow Task: Data Flow

Destination Assistant

Source Assistant

Common

- Aggregate
- Balanced Data Distribution
- Conditional Split
- Data Conversion
- Data Streaming Destination
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimension
- Sort
- Union All

Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Find Samples

Connection Managers

localhost.iti

Excel Destination

Configure the properties that enable the insertion of data via an Excel provider.

Specify a connection manager, data source, or data source view for the Excel destination. Then, select the mode used to access data within the destination. 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:

New...

View Existing Data...

Select a table or view from the list.

OK Cancel Help

Properties

Excel Destination Data Flow Component

Common Properties

ComponentClassID	(EDFD5EC4-D128-423D-B962-B5E
ContactInfo	Excel Destination;Microsoft Corp
Description	Excel Destination
ID	169
IdentificationString	Excel Destination
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Excel Destination
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	0

Custom Properties

AccessMode	OpenRowset
CommandTimeout	0
OpenRowset	

Name

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

Ready

Published

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Project Tools View Database Task Data Help Default

SSIS Toolbox

Package7.dtsx [Design]*

Control Flow Data Flow

Data Flow Task: Data Flow

SSIS Toolbox

Favorites

- Destination Assistant
- Source Assistant

Common

- Aggregate
- Balanced Data Distributor
- Conditional Split
- Data Conversion
- Data Streaming Destination
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimension
- Sort
- Union All

Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Find Samples

Server... Toolbars... SSIS... SQL S...

Output Error List Data Tools Operations

Ready

Configure the properties that enable the insertion of data via an Excel provider.

Connection Manager Mappings Error Output

Create Table

```
CREATE TABLE 'Excel Destination' (
    'St_Id' Long,
    'St_Fname' LongText,
    'St_Lname' LongText,
    'St_Address' LongText,
    'St_Age' Long,
    'Dept_Id' Long,
    'St_super' Long)
```

New... New... OK Cancel

View Existing Data...

Select a table or view from the list.

OK Cancel Help

Properties

Excel Destination Data Flow Component

Common Properties

ComponentClassID	(EDFD5EC4-D128-423D-B962-B5C0A8E8A8B0)
ContactInfo	Excel Destination;Microsoft Corporation
Description	Excel Destination
ID	169
IdentificationString	Excel Destination
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Excel Destination
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	0

Custom Properties

AccessMode	OpenRowset
CommandTimeout	0
OpenRowset	

Name

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

Quick Launch (Ctrl+Q) Sign In

Solution Explorer Team Explorer Class View Tabular Model Explorer

Published

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

- Favorites
 - Destination Assistant
 - Source Assistant
- Common
 - Aggregate
 - Balanced Data Distribut...
 - Conditional Split
 - Data Conversion
 - Data Streaming Destina...
 - Derived Column
 - HDFS File Destination
 - HDFS File Source
 - Lookup
 - Merge
 - Merge Join
 - Multicast
 - OData Source
 - ODBC Destination
 - ODBC Source
 - OLE DB Command
 - Row Count
 - Script Component
 - Slowly Changing Dimen...
 - Sort
 - Union All
- Destination Assistant
 - Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Package7.dtsx [Design]*

Control Flow Data Flow

Data Flow Task

Excel Destination Editor

Configure the properties that enable the insertion of data via an Excel provider.

Connection Manager

Mappings

Error Output

Create Table

```
CREATE TABLE `stud` (
    `St_Id` Long,
    `St_Fname` LongText,
    `St_Lname` LongText,
    `St_Address` LongText,
    `St_Age` Long,
    `Dept_Id` Long,
    `St_super` Long
)
```

New... New... OK Cancel

View Existing Data...

Select a table or view from the list.

Properties

Excel Destination Data Flow Component

Common Properties

ComponentClassID	{EDFD5EC4-D128-423D-B962-B58...
ContactInfo	Excel Destination;Microsoft Corpor...
Description	Excel Destination
ID	169
IdentificationString	Excel Destination
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Excel Destination
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	0

Custom Properties

AccessMode	OpenRowset
CommandTimeout	0
OpenRowset	

Activate Windows
Go to Settings to activate Windows.

Ready

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Project Tools View Database Tools Help

Develop Default

Excel Destination Editor

SSIS Toolbox

Package7.dtsx [Design]*

Control Flow Data Flow

Data Flow Task Data Flow

Configure the properties that enable the insertion of data via an Excel provider.

Connection Manager Mappings Error Output

Specify a connection manager, data source, or data source view for the Excel destination. Then, select the mode used to access data within the destination. 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: stud New...

View Existing Data...

Map the columns on the Mappings page.

OK Cancel Help

Properties

Excel Destination Data Flow Component

Common Properties

ComponentClassID	[EDFD5EC4-D128-423D-B962-B58...
ContactInfo	Excel Destination;Microsoft Corp...
Description	Excel Destination
ID	169
IdentificationString	Excel Destination
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Excel Destination
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	0

Custom Properties

AccessMode	OpenRowset
CommandTimeout	0
OpenRowset	

Name

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

Solution Explorer Team Explorer Class View Tabular Model Explorer

Find Samples

Server... Toolbars SSIS... SQL Server... Output Error List Data Tools Operations Ready

Quick Launch (Ctrl+Q) Sign In

Published

1-What is business Intelligence, SQL Server Integration Service-SSIS

Configure the properties that enable the insertion of data via an Excel provider.

Connection Manager

Mappings

Error Output

Available Input...

Name
St_Id
St_Fname
St_Lname
St_Address
St_Age
Dept_Id
< > ...

Available Desti...

Name
St_Id
St_Fname
St_Lname
St_Address
St_Age
Dept_Id
< > ...

Input Column

Destination Column

St_Id	St_Id
St_Fname	St_Fname
St_Lname	St_Lname
St_Address	St_Address
St_Age	St_Age
Dept_Id	Dept_Id
St_super	St_super

Properties

Excel Destination Data Flow Component

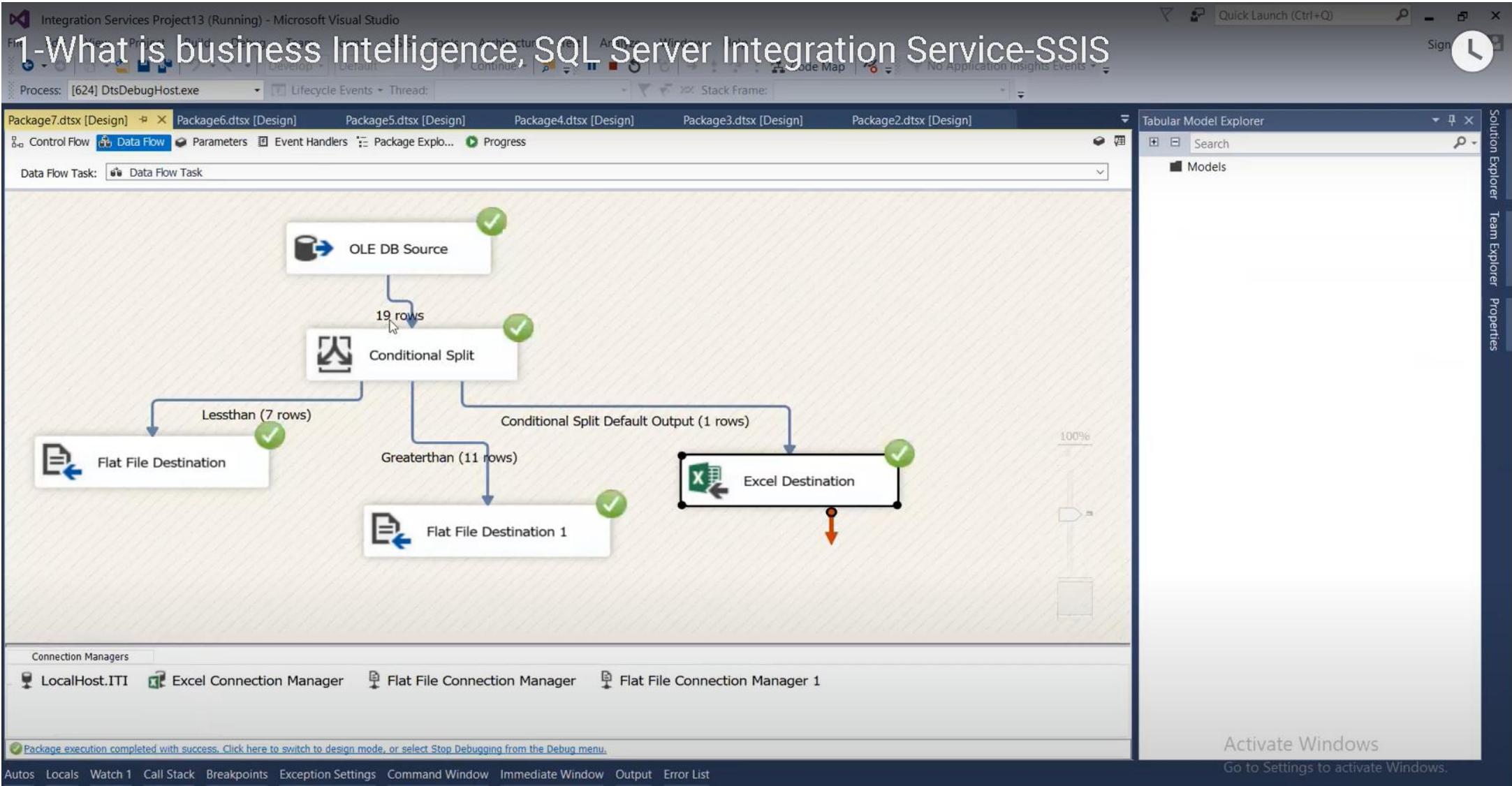
Common Properties

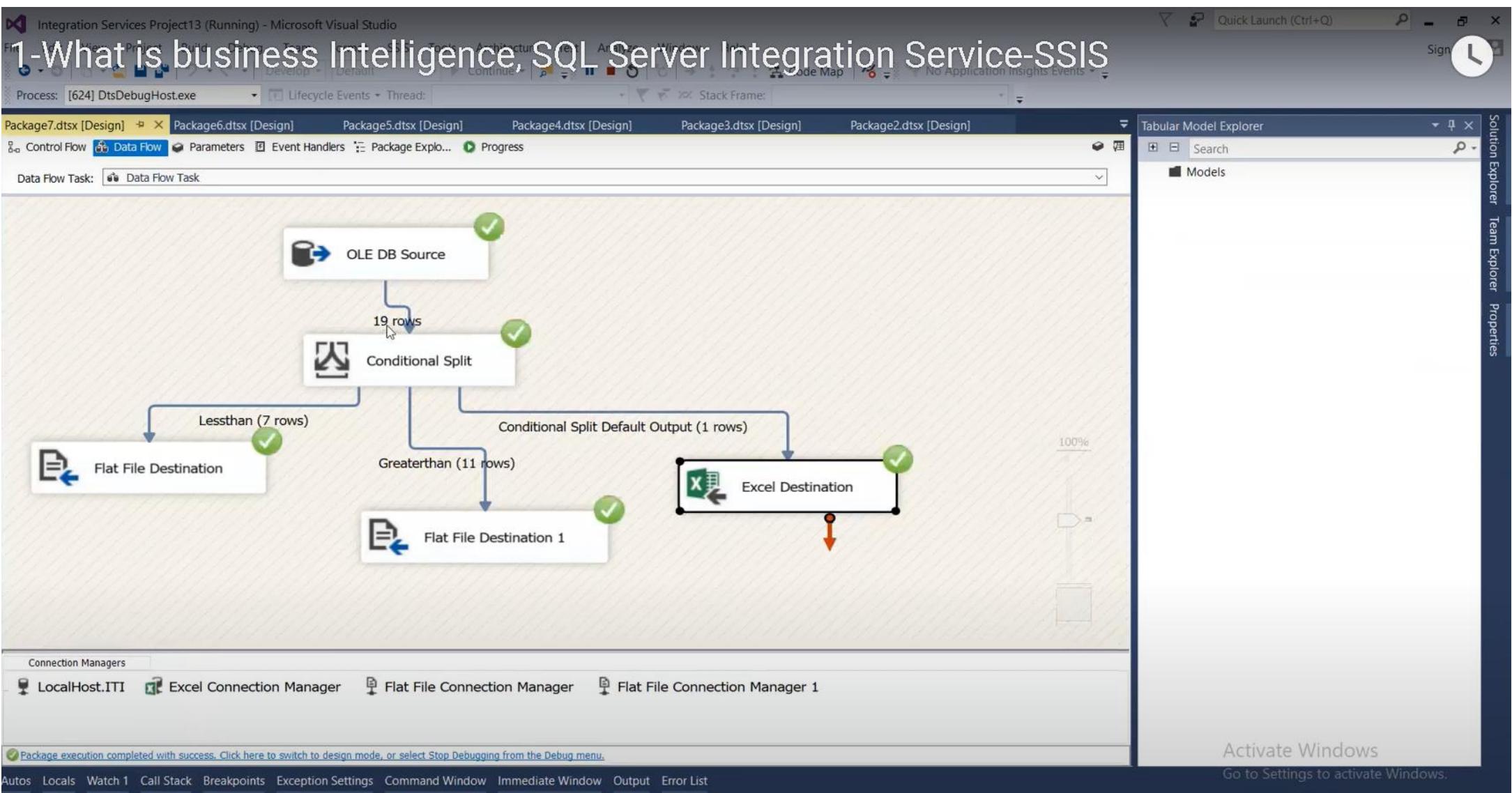
ComponentClassID	(EDFDSEC4-D128-423D-B962-B58
ContactInfo	Excel Destination;Microsoft Corp
Description	Excel Destination
ID	169
IdentificationString	Excel Destination
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	Excel Destination
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	0

Custom Properties

AccessMode	OpenRowset
CommandTimeout	0
OpenRowset	

Name
Specifies the name of the component.





1-What is business Intelligence, SQL Server Integration Service-SSIS

	Name	Date modified	Type	Size
	ITI	07/10/2020 13:41	File folder	
	MetroSales	26/10/2020 12:48	File folder	
	ITI_backup_2020_10_26_131334_5450018.bak	26/10/2020 13:13	BAK File	3,220 KB
	mystuds.xls	26/10/2020 13:42	Microsoft Excel 97...	13 KB
	studs.txt	26/10/2020 13:42	Text Document	1 KB
	equaldata.xls	26/10/2020 14:01	Microsoft Excel 97...	11 KB
	greaterthan.txt	26/10/2020 14:01	Text Document	1 KB
	lessthan.txt	26/10/2020 14:01	Text Document	1 KB

1-What is business Intelligence, SQL Server Integration Service-SSIS

File Home Insert Page Layout Formulas Data Review View Add-ins Team Tell me what you want to do... Search ITI (F) ?

Name Date modified Type Size

- Intake 38
- Intake 39
- Intake 40
- Intake 41
- Intake36
- Intake38
- IntensiveCodeCamp
- ITP
- sameh
- Schedule
- Screenshots
- SD Draft Schedule
- TAs 2019
- OneDrive
- This PC
- 3D Objects
- Desktop
- Documents
- Downloads
- Music
- Pictures
- Videos
- Local Disk (C:)
- Study (D:)
- Sources (E:)
- ITI (F:)
 - ITI
 - MetroSales
- Network

equaldata.xls [Compatibility Mode] - Excel (Product Activation Failed)

File Home Insert Page Layout Formulas Data Review View Add-ins Team Tell me what you want to do... Search ITI (F) ?

A1

St_Id	St_Fname	St_Lname	St_Adress	St_Age	Dept_Id	St_super
4	Mohamed	Alex		23	10	1
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Activate Windows Go to Settings to activate Windows

stud Ready Ready

8 items 1 item selected 10.5 % 100%

greaterthan.txt - Notepad

File Edit Format View Help

St_Id,St_Fname,St_Lname,St_Address,St_Age,Dept_Id,St_super
3,Mona,Saleh ,Cairo,28,10,1
5,,Moahmed ,Alex,24,10,1
6,Heba,Farouk ,Mansoura,25,20,
7,Ali,Hussien ,Cairo,25,20,6
8,,,Alex,28,20,6
9,Saly,Ahmed ,Mansoura,24,20,
10,Fady,Ali ,Alex,24,20,9
11,mohamed ali,Ahmed ,Cairo,24,20,9
16,,,25,30,
17,Y,,,25,30,
44,,,25,30,

1-What is business Intelligence, SQL Server Integration Service-SSIS

SSIS Toolbox

Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design]

Data Flow Task: Data Flow Task

```
graph TD; OLE[OLE DB Source] --> Cond[Conditional Split]; Cond --> FFD[Flat File Destination]; Cond --> ED[Excel Destination];
```

Properties

OLE DB Source Output Data Flow Path

Common Properties

- Description: OLE DB Source Output
- ID: 69
- IdentificationString: Paths[OLE DB Source.OLE DB Source]
- Name: OLE DB Source Output

Design

- PathAnnotation: AsNeeded

Misc

- DestinationName: Conditional Split Input
- SourceName: OLE DB Source Output

Connection Managers

- localhost.iti
- Excel Connection Manager
- Flat File Connection Manager
- Flat File Connection Manager 1

Output Error List Data Tools Operations

Find Samples

Server... Toolbars SSIS... SQL Server

Name
Specifies the name of the path.
Activate Windows
Go to Settings to activate Windows.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 (Running) - Microsoft Visual Studio

Process: [17720] DtsDebugHost.exe

File View Insert Tools Options Test Debug Windows Help

Conditional Split Default Output Data Viewer at Data Flow Task

Control Flow Data Flow Task

Package7.dtsx [D]

Detach Copy Data

St_Id	St_Fname	St_Lname	St_Address
4	NULL	Mohame...	Alex

Attached Total rows: 0, buffers: 0 Rows displayed = 1

Package4.dtsx [Design]

Package3.dtsx [Design]

Package2.dtsx [Design]

OLE DB Source Output Data Viewer at Data Flow Task

Detach Copy Data

St_Id	St_Fname	St_Lname	St_Address
1	Ahmed	Hassan	Cairo
2	Amr	Magdy	Cairo
3	Mona	Saleh	Cairo
4	NULL	Mohame..	Alex
5	NULL	Moahme..	Alex
6	Heba	Farouk	Mansoura
7	All	Hussien	Cairo
8	NULL	NULL	Alex
9	Saly	Ahmed	Mansoura
10	Fady	Ali	Alex
11	mohamed ali	Ahmed	Cairo
12	Noha	Omar	Cairo
13	Said	NULL	NULL
14	omar	Saleh	Tanta
15	X	NULL	NULL
16	NULL	NULL	NULL
17	Y	NULL	NULL
44	NULL	NULL	NULL

Attached Total rows: 0, buffers: 0 Rows displayed = 19

Tabular Model Explorer

Search

Models

Solution Explorer Team Explorer Properties

Connection Managers

localhost.iti Excel Connection Manager Flat File Connection Manager Flat File Connection Manager 1

Activate Windows

The screenshot displays two data viewers within the Microsoft Visual Studio interface, specifically for an SSIS project. The left viewer, titled 'Conditional Split Default Output Data Viewer at Data Flow Task', shows a single row with columns St_Id, St_Fname, St_Lname, and St_Address, containing values 4, NULL, Mohame..., and Alex respectively. The right viewer, titled 'OLE DB Source Output Data Viewer at Data Flow Task', shows multiple rows with similar columns, listing names like Ahmed, Amr, Mona, etc., along with their addresses. Both viewers have a 'Copy Data' button highlighted. The bottom of the screen shows the 'Connection Managers' pane with entries for localhost.iti, Excel Connection Manager, Flat File Connection Manager, and Flat File Connection Manager 1.

1-What is business Intelligence: SQL Server Integration Service-SSIS

Integration Services Project13 (Running) - Microsoft Visual Studio

Process: [17720] DtsDebugHost.exe Lifecycle Events Thread: Stack Frame: Node Map: No Application Insights Events

Package7.dtsx [Data Flow Task] Package4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design]

Control Flow Data Flow Task OLE DB Source Output Data Viewer at Data Flow Task

Greaterthan Data Viewer at Data Flow Task

Copy Data Detach

St_Id	St_Fname	St_Lname	St_Address
3	Mona	Saleh	Cairo
5	NULL	Moahme...	Alex
6	Heba	Farouk	Mansoura
7	Ali	Hussien	Cairo
8	NULL	NULL	Alex
9	Saly	Ahmed	Mansoura
10	Fady	Ali	Alex
11	mohamed ali	Ahmed	Cairo
16	NULL	NULL	NULL
17	Y	NULL	NULL
44	NULL	NULL	NULL

Attached Total rows: 0, buffers: 0 Rows displayed = 11

Additional Split Default Output

Copy Data Detach

St_Id	St_Fname	St_Lname	St_Address
1	Ahmed	Hassan	Cairo
2	Amr	Magdy	Cairo
3	Mona	Saleh	Cairo
4	NULL	Mohame...	Alex
5	NULL	Moahme..	Alex
6	Heba	Farouk	Mansoura
7	Ali	Hussien	Cairo
8	NULL	NULL	Alex
9	Saly	Ahmed	Mansoura
10	Fady	Ali	Alex
11	mohamed ali	Ahmed	Cairo
12	Noha	Omar	Cairo
13	Said	NULL	NULL
14	omar	Saleh	Tanta
15	X	NULL	NULL
16	NULL	NULL	NULL
17	Y	NULL	NULL
44	NULL	NULL	NULL

Attached Total rows: 0, buffers: 0 Rows displayed = 19

Connection Managers

localhost.iti Excel Connection Manager Flat File Connection Manager Flat File Connection Manager 1

Activate Windows

The screenshot displays the Microsoft Visual Studio interface for an SSIS project named 'Integration Services Project13'. Two Data Viewer windows are open, one for a source and one for a destination. The source viewer shows 11 rows with columns St_Id, St_Fname, St_Lname, and St_Address. The destination viewer shows 19 rows with the same columns. Both viewers have 'Copy Data' and 'Detach' buttons. The bottom of the screen shows the 'Connection Managers' pane with entries for 'localhost.iti', 'Excel Connection Manager', 'Flat File Connection Manager', and 'Flat File Connection Manager 1'. The status bar at the bottom right says 'Activate Windows'.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 (Running) - Microsoft Visual Studio

Process: [17720] DtsDebugHost.exe Lifecycle Events Thread: Stack Frame: No Application Insights Events

Conditional Split Default Output Data Viewer at Data Flow Task

Package7.dtsx [Design]

Package4.dtsx [Design]

Package2.dtsx [Design]

OLE DB Source Output Data Viewer at Data Flow Task

Tabular Model Explorer

Solution Explorer Team Explorer Properties

Control Flow

Data Flow Task

St_Id St_Fname St_Lname St_Address

Mohamed Lessthan Data Viewer at Data Flow Task

St_Id St_Fname St_Lname St_Address

1 Ahmed Hassan Cairo

2 Amr Magdy Cairo

12 Noha Omar Cairo

13 Said NULL NULL

14 omar Saleh Tanta

15 X NULL NULL

100 omar NULL NULL

Attached Total rows: 0, buffers: 0 Rows displayed = 7

St_Fname St_Lname St_Address

Hassan Cairo

Magdy Cairo

Saleh Cairo

ohame... Alex

oahme... Alex

arouk Mansoura

ussien Cairo

ULL Alex

hmed Mansoura

i Alex

hmed Cairo

mar Cairo

ULL NULL

aleh Tanta

ULL NULL

ULL NULL

ULL NULL

Attached Total rows: 0, buffers: 0 Rows displayed = 11

Attached Total rows: 0, buffers: 0 Rows displayed = 19

Connection Managers

localhost.iti Excel Connection Manager Flat File Connection Manager Flat File Connection Manager 1

Activate Windows

Get Genuine Activation Key

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 (Running) - Microsoft Visual Studio

Process: [17720] DtsDebugHost.exe

Conditional Split Default Output Data Viewer at Data Flow Task

Package4.dtsx [Design]

Package1.dtsx [Design]

Package2.dtsx [Design]

Tabular Model Explorer

Solution Explorer Team Explorer Properties

Control Flow

Data Flow Task

Attached Total rows: 0, buffers: 0 Rows displayed = 1

St_Id St_Fname St_Lname St_Address

4 NULL Mohame... Alex

Greaterthan Data Viewer at Data Flow Task

Attached Total rows: 0, buffers: 0 Rows displayed = 11

St_Id St_Fname St_Lname St_Address

3 Mona Saleh Cairo

5 NULL Moahme... Alex

6 Heba Farouk Mansoura

7 Ali Hussien Cairo

8 NULL NULL Alex

9 Saly Ahmed Mansoura

10 Fady Ali Alex

11 mohamed ali Ahmed Cairo

16 NULL NULL NULL

17 Y NULL NULL NULL

44 NULL NULL NULL

Lessthan Data Viewer at Data Flow Task

Attached Total rows: 0, buffers: 0 Rows displayed = 7

St_Id St_Fname St_Lname St_Address

1 Ahmed Hassan Cairo

2 Amr Magdy Cairo

12 Noha Omar Cairo

13 Said NULL NULL

14 omar Saleh Tanta

15 X NULL NULL

100 omar NULL NULL

Connection Managers

localhost.iti Excel Connection Manager Flat File Connection Manager Flat File Connection Manager 1

Activate Windows

Customize your experience Microsoft

The screenshot shows the Microsoft Visual Studio interface for an SSIS project named 'Integration Services Project13'. The main window displays a 'Conditional Split' task with three output paths. Four data viewers are open to preview the data being processed:

- Greaterthan Data Viewer at Data Flow Task:** Shows data from a source where the primary key (St_Id) is greater than 1. It displays 11 rows.
- Lessthan Data Viewer at Data Flow Task:** Shows data from a source where the primary key (St_Id) is less than or equal to 1. It displays 7 rows.
- Default Output Data Viewer at Data Flow Task:** Shows data from a source where the primary key (St_Id) is 4. It displays 1 row.
- Source Output Data Viewer at Data Flow Task:** Shows data from a source where the primary key (St_Id) is 1. It displays 1 row.

The 'Lessthan' viewer is currently selected and highlighted. The bottom of the screen shows the 'Connection Managers' pane with entries for 'localhost.iti', 'Excel Connection Manager', 'Flat File Connection Manager', and 'Flat File Connection Manager 1'. A watermark for 'Activate Windows' is visible in the bottom right corner.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Conditional Split Default Output Data Viewer at Data Flow Task

St_Id	St_Fname	St_Lname	St_Address
4	NULL	Mohame...	Alex

Control Flow

Detach Copy Data

Data Flow Task

Attached Total rows: 0, buffers: 0 Rows displayed = 1

age4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design] Tabular Model Explorer

OLE DB Source Output Data Viewer at Data Flow Task

St_Id	St_Fname	St_Lname	St_Address
1	Ahmed	Hassan	Cairo

Greaterthan Data Viewer at Data Flow Task

St_Id	St_Fname	St_Lname	St_Address
3	Mona	Saleh	Cairo
5	NULL	Moahme...	Alex
6	Heba	Farouk	Mansoura
7	Ali	Hussien	Cairo
8	NULL	NULL	Alex
9	Saly	Ahmed	Mansoura
10	Fady	Ali	Alex
11	mohamed ali	Ahmed	Cairo
16	NULL	NULL	NULL
17	Y	NULL	NULL
44	NULL	NULL	NULL

Detach Copy Data

Attached Total rows: 0, buffers: 0 Rows displayed = 11

Lessthan Data Viewer at Data Flow Task

St_Id	St_Fname	St_Lname	St_Address
1	Ahmed	Hassan	Cairo
2	Amr	Magdy	Cairo
12	Noha	Omar	Cairo
13	Said	NULL	NULL
14	omar	Saleh	Tanta
15	X	NULL	NULL
100	omar	NULL	NULL

Detach Copy Data

Attached Total rows: 0, buffers: 0 Rows displayed = 7

Connection Managers

localhost.İTİ

 Excel Connection Manager

Flat File Connection Manager

 Flat File Connection Manager 1

Autos Locals Watch 1 Call Stack Breakpoints Exception Settings Command Window Immediate Window Output Error List

Activate Windows
Go to Settings to activate Windows.

Integration Services Project13 (Running) - Microsoft Visual Studio

File Edit View Project Build Debug Team Format SSIS Tools Architecture Test Analyze Window Help

Process: [17720] DtsDebugHost.exe Lifecycle Events Thread: Stack Frame: No Application Insights Events

Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design] Package3.dtsx [Design] Package2.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explor... Progress

Data Flow Task: Data Flow Task

```
graph TD; OLE[OLE DB Source] --> CS[Conditional Split]; CS --> FFD[Flat File Destination]; CS --> FFD1[Flat File Destination 1]; CS --> CSDO[Conditional Split Default Output]; OLE -- 19 rows --> CS;
```

The Data Flow Task diagram consists of the following components:

- OLE DB Source**: An OLE DB Source component with a green checkmark icon. It has one output path.
- Conditional Split**: A Conditional Split component with a green checkmark icon. It receives input from the OLE DB Source and has three output paths:
 - Lessthan (7 rows)**: Points to a **Flat File Destination** component with a green checkmark icon.
 - Greaterthan (11 rows)**: Points to a **Flat File Destination 1** component with a green checkmark icon.
 - Conditional Split Default Output**: Points to a **Flat File Destination** component with a green checkmark icon.

Row counts for the Conditional Split outputs:

- Lessthan (7 rows)
- Greaterthan (11 rows)
- Conditional Split Default Output (19 rows)

OLE DB Source Output Data Viewer at Data Flow Task

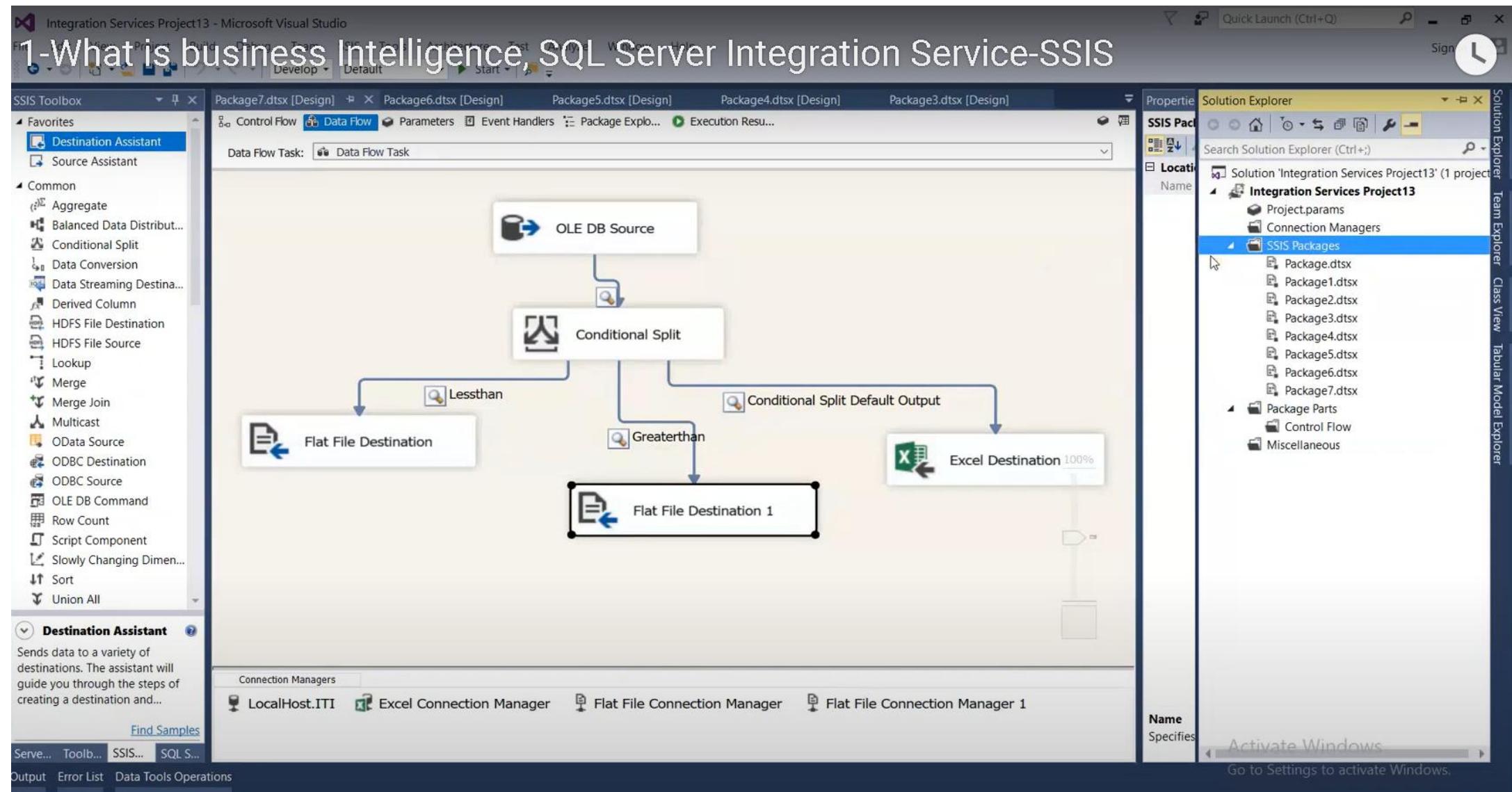
St_Id	St_Fname	St_Lname	St_Address
1	Ahmed	Hassan	Cairo
2	Amr	Magdy	Cairo
3	Mona	Saleh	Cairo
4	NULL	Mohame...	Alex
5	NULL	Moahme...	Alex
6	Heba	Farouk	Mansoura
7	Ali	Hussien	Cairo
8	NULL	NULL	Alex
9	Saly	Ahmed	Mansoura
10	Fady	Ali	Alex
11	mohamed ali	Ahmed	Cairo
12	Noha	Omar	Cairo
13	Said	NULL	NULL
14	omar	Saleh	Tanta
15	X	NULL	NULL
16	NULL	NULL	NULL
17	Y	NULL	NULL
44	NULL	NULL	NULL

Attached Total rows: 0, buffers: 0 Rows displayed = 19

Connection Managers

- localhost.iti
- Excel Connection Manager
- Flat File Connection Manager
- Flat File Connection Manager 1

Package execution completed with success. Click here to switch to design mode, or select Stop Debugging from the Debug menu.



1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Tools Components Architecture Help Start Default

SSIS Toolbox

Package8.dtsx [Design] Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer

Data Flow Task Execute SQL Task

Common Analysis Services Process... Bulk Insert Task Data Profiling Task Execute Package Task Execute Process Task Expression Task File System Task FTP Task Hadoop File System Task Hadoop Hive Task Hadoop Pig Task Script Task Send Mail Task Web Service Task XML Task

Azure

Containers For Loop Container Foreach Loop Container Sequence Container

Data Flow Task

Moves data between sources and destinations while transforming and cleaning. Data can be moved between tables and files while..

Find Samples

Connection Managers

Right-click here to add a new connection manager to the SSIS package.

Output Error List Data Tools Operations

Properties

Data Flow Task Task

DisableEventHandlers	False
FailPackageOnFailure	False
FailParentOnFailure	False
MaximumErrorCount	1
Forced Execution Value	
ForcedExecutionValue	0
ForcedExecutionValueType	Int32
ForceExecutionValue	False
Identification	
Description	Data Flow Task
ID	(485B02E0-5702-43BD-8087-4
Name	Data Flow Task
PackagePath	\Package\Data Flow Task
Misc	
AutoAdjustBufferSize	False
BLOBTempStoragePath	
BufferTempStoragePath	
DefaultBufferMaxRows	10000
DefaultBufferSize	10485760
EngineThreads	10
ExecValueVariable	<none>
Expressions	
ForceExecutionResult	None
HasExpressions	False
LocaleID	English (United Kingdom)
LoggingMode	UseParentSetting
RunInOptimizedMode	True
Transactions	
IsolationLevel	Serializable
TransactionOption	Supported
Name	
Specifies the name of the object.	

Activate Windows
Go to Settings to activate Windows.

1-What is business Intelligence, SQL Server Integration Service-SSIS

SSIS Toolbox

- Favorites
 - Destination Assistant
 - Source Assistant**
- Common
 - Aggregate
 - Balanced Data Distribution
 - Conditional Split
 - Data Conversion
 - Data Streaming Destination
 - Derived Column
 - HDFS File Destination
 - HDFS File Source
 - Lookup
 - Merge
 - Merge Join
 - Multicast
 - OData Source
 - ODBC Destination
 - ODBC Source
 - OLE DB Command
 - Row Count
 - Script Component
 - Slowly Changing Dimension
 - Sort
 - Union All

Source Assistant

Extracts data from a variety of sources. The assistant will guide you through the steps of creating a source and associating it with...

Find Samples

Connection Managers

Right-click here to add a new connection manager to the SSIS package.

Control Flow Data Flow Parameters Event Handlers Package Explorer

Package8.dtsx [Design]* Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design]

Properties

Data Flow Task Task

DisableEventHandlers	False
FailPackageOnFailure	False
FailParentOnFailure	False
MaximumErrorCount	1
Forced Execution Value	
ForcedExecutionValue	0
ForcedExecutionValueType	Int32
ForceExecutionValue	False
Identification	
Description	Data Flow Task
ID	1485B02E0-5702-43BD-8087-4
Name	Data Flow Task
PackagePath	\Package\ Data Flow Task
Misc	
AutoAdjustBufferSize	False
BLOBTempStoragePath	
BufferTempStoragePath	
DefaultBufferMaxRows	10000
DefaultBufferSize	10485760
EngineThreads	10
ExecValueVariable	<none>
Expressions	
ForceExecutionResult	None
HasExpressions	False
LocaleID	English (United Kingdom)
LoggingMode	UseParentSetting
RunInOptimizedMode	True
Transactions	
IsolationLevel	Serializable
TransactionOption	Supported
Name	
Specifies the name of the object.	

Quick Launch (Ctrl+Q) Sign In

Solution Explorer Team Explorer Class View Tabular Model Explorer

Output Error List Data Tools Operations

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

- Favorites
 - Destination Assistant
 - Source Assistant**
- Common
 - Aggregate
 - Balanced Data Distribut...
 - Conditional Split
 - Data Conversion
 - Data Streaming Destina...
 - Derived Column
 - HDFS File Destination
 - HDFS File Source
 - Lookup
 - Merge
 - Merge Join
 - Multicast
 - OData Source
 - ODBC Destination
 - ODBC Source
 - OLE DB Command
 - Row Count
 - Script Component
 - Slowly Changing Dimen...
 - Sort
 - Union All

Source Assistant

Extracts data from a variety of sources. The assistant will guide you through the steps of creating a source and associating it with...

Find Samples

Connection Managers

{7980D153-52AF-4105-B9C3-4

A valid file name must be selected.

Properties

Data Flow Task Task

Name	greaterthan.txt
Date modified	07/10/2020 13:41
Type	File folder
Size	1 KB

File name: [] Open Cancel

Output Error List Data Tools Operations

Quick Launch (Ctrl+Q) Sign In

Solution Explorer Team Explorer Class View Tabular Model Explorer

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Tools Architecture Tools Start Tools Help

Develop Default

SSIS Toolbox

Source Assistant

Common

Aggregate

Balanced Data Distribut...

Conditional Split

Data Conversion

Data Streaming Destina...

Derived Column

HDFS File Destination

HDFS File Source

Lookup

Merge

Merge Join

Multicast

OData Source

ODBC Destination

ODBC Source

OLE DB Command

Row Count

Script Component

Slowly Changing Dimen...

Sort

Union All

Source Assistant

Extracts data from a variety of sources. The assistant will guide you through the steps of creating a source and associating it with...

Find Samples

Server... Toolb... SSIS... SQL S...

Output Error List Data Tools Operations

ready

Package8.dtsx [Design]* Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design]

Control Flow Data Flow Parameters

Flat File Connection Manager Editor

Data Flow Task: Data Flow Task

Connection manager name: Flat File Connection Manager

Description:

Select a file and specify the file properties and the file format.

File name: F:\greaterthan.txt

Locale: English (United Kingdom)

Code page: 1252 (ANSI - Latin I)

Format: Delimited

Text qualifier: <none>

Header row delimiter: (CR)(LF)

Header rows to skip: 0

Column names in the first data row

Connection Managers

{7980D153-52AF-4105-B9C3-0

Columns are not defined for this connection manager.

OK Cancel Help

Properties

Data Flow Task Task

DisableEventHandlers False

FailPackageOnFailure False

FailParentOnFailure False

MaximumErrorCount 1

Forced Execution Value

ForcedExecutionValue 0

ForcedExecutionValueType Int32

ForceExecutionValue False

Identification

Description Data Flow Task

ID {485B02E0-5702-43BD-8087-4

Name Data Flow Task

PackagePath \Package\Data Flow Task

Misc

AutoAdjustBufferSize False

BLOBTempStoragePath

BufferTempStoragePath

DefaultBufferMaxRows 10000

DefaultBufferSize 10485760

EngineThreads 10

ExecValueVariable <none>

Expressions

ForceExecutionResult None

HasExpressions False

LocaleID English (United Kingdom)

LoggingMode UseParentSetting

RunInOptimizedMode True

Transactions

IsolationLevel Serializable

TransactionOption Supported

Name

Specifies the name of the object.

Activate Windows

Go to Settings to activate Windows.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

- Favorites
 - Destination Assistant
 - Source Assistant**
- Common
 - Aggregate
 - Balanced Data Distribut...
 - Conditional Split
 - Data Conversion
 - Data Streaming Destin...
 - Derived Column
 - HDFS File Destination
 - HDFS File Source
 - Lookup
 - Merge
 - Merge Join
 - Multicast
 - OData Source
 - ODBC Destination
 - ODBC Source
 - OLE DB Command
 - Row Count
 - Script Component
 - Slowly Changing Dimen...
 - Sort
 - Union All
- Source Assistant**

Extracts data from a variety of sources. The assistant will guide you through the steps of creating a source and associating it with...

Find Samples

Package8.dtsx [Design] * Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design]

Control Flow **Data Flow** Parameters

Flat File Connection Manager Editor

Connection manager name: Flat File Connection Manager

Description:

Specify the characters that delimit the source file:

Row delimiter: (CR)(LF)

Column delimiter: Comma (,)

Preview rows 2-12:

St_Id	St_Fname	St_Lname	St_Address	St_Age
3	Mona	Saleh	Cairo	28
5		Moahmed	Alex	24
6	Heba	Farouk	Mansoura	25
7	Ali	Hussien	Cairo	25
8			Alex	28
9	Saly	Ahmed	Mansoura	24
10	Fady	Ali	Alex	24
11	mohamed ali	Ahmed	Cairo	24
16	..			25

Refresh Reset Columns

OK Cancel Help

Connection Managers {7980D153-52AF-4105-B9C3-}

Properties

Data Flow Task Task

- DisableEventHandlers: False
- FailPackageOnFailure: False
- FailParentOnFailure: False
- MaximumErrorCount: 1
- Forced Execution Value**
 - ForcedExecutionValue: 0
 - ForcedExecutionValueType: Int32
 - ForceExecutionValue: False
- Identification**
 - Description: Data Flow Task
 - ID: 485B02E0-5702-43BD-8087-4
 - Name: Data Flow Task
 - PackagePath: \Package\Data Flow Task
- Misc**
 - AutoAdjustBufferSize: False
 - BLOBTempStoragePath
 - BufferTempStoragePath
 - DefaultBufferSize: 10000
 - DefaultBufferMaxRows: 10000
 - EngineThreads: 10
 - ExecValueVariable: <none>
- Expressions**
 - ForceExecutionResult: None
 - HasExpressions: False
 - LocaleID: English (United Kingdom)
 - LoggingMode: UseParentSetting
 - RunInOptimizedMode: True
- Transactions**
 - IsolationLevel: Serializable
 - TransactionOption: Supported
- Name**: Specifies the name of the object.

Activate Windows
Go to Settings to activate Windows.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Edit View Tools Project Data Architecture Tools Windows Help

Develop Default Start

Quick Launch (Ctrl+Q) Sign In

SSIS Toolbox

Package8.dtsx [Design] * X Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design]

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

Data Flow Task: Data Flow Task

Source Assistant

Favorites

- Destination Assistant
- Source Assistant

Common

- Aggregate
- Balanced Data Distribut...
- Conditional Split
- Data Conversion
- Data Streaming Destina...
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimen...
- Sort
- Union All

Source Assistant

Extracts data from a variety of sources. The assistant will guide you through the steps of creating a source and associating it with...

Find Samples

Connection Managers

Flat File Connection Manager

Serve... Toolbars SSIS... SQL S...

Output Error List Data Tools Operations

Ready

Properties

Flat File Source Data Flow Component

Common Properties

ComponentClassID	{E32A96E1-7118-4CB5-A338-AC6...
ContactInfo	Flat File Source;Microsoft Corpora...
Description	Flat File Source
ID	1
IdentificationString	Flat File Source
IsDefaultLocale	False
LocaleID	English (United Kingdom)
Name	Flat File Source
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	1

Custom Properties

FileNameColumnName	
RetainNulls	False

Activate Windows

Go to Settings to activate Windows.

↑ Publish

The screenshot displays the Microsoft Visual Studio interface for an Integration Services Project. The main window shows the SSIS Source Assistant dialog box, which is used to add a new data source. The 'Select source type:' dropdown is set to 'Flat File'. The 'Select connection managers' section shows a list with 'Flat File Connection Manager' selected. The Properties window on the right shows the 'Flat File Source' component properties, including its name as 'Flat File Source'. The Solution Explorer, Team Explorer, Class View, and Model Explorer tabs are visible along the top and right edges of the interface.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Edit View Build Tools Architecture Help Start Default

SSIS Toolbox

Source Assistant

Common

- Aggregate
- Balanced Data Distribut...
- Conditional Split
- Data Conversion
- Data Streaming Destina...
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimen...
- Sort
- Union All

Source Assistant

Extracts data from a variety of sources. The assistant will guide you through the steps of creating a source and associating it with...

Find Samples

Connection Managers

Flat File Connection Manager

Package8.dtsx [Design]* Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design]

Control Flow Data Flow Parameters

Flat File Connection Manager Editor

Connection manager name: Flat File Connection Manager 1

Description:

Select a file and specify the file properties and the file format.

File name:

Locale: English (United Kingdom) Unicode

Code page: 1252 (ANSI - Latin I)

Format: Delimited

Text qualifier: <none>

Header row delimiter:

Header rows to skip: 0

Column names in the first data row

A valid file name must be selected.

OK Cancel Help

Properties

Flat File Source Data Flow Component

Common Properties

ComponentClassID	(E32A96E1-7118-4CB5-A338-AC6...
ContactInfo	Flat File Source;Microsoft Corpora...
Description	Flat File Source
ID	1
IdentificationString	Flat File Source
IsDefaultLocale	False
LocaleID	English (United Kingdom)
Name	Flat File Source
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	1

Custom Properties

FileNameColumnName	
RetainNulls	False

Name

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

Serve... Toolb... SSIS... SQL S... Output Error List Data Tools Operations Ready Publish

1-What is business Intelligence, SQL Server Integration Service-SSIS

SSIS Toolbox

Control Flow Data Flow Parameters

Flat File Connection Manager Editor

Data Flow Task: Data Flow Task

Properties

Flat File Source Data Flow Component

Connection Properties

- ComponentClassID: {E32A96E1-7118-4CB5-A338-AC6...
- ConnectionString: Flat File Source;Microsoft Corpora...
- DefaultLocale: 1
- DescriptionString: Flat File Source
- FileCodePage: False
- ID: English (United Kingdom)
- LanguageID: 0
- LineTerminationChar: Flat File Source
- LineTerminationString: True
- MaxBufferSize: True
- MaxRows: 1
- RowDisposition: True
- RowExternalMetadataName: True
- TextFormat: 1

Item Properties

FileColumnNames: True

Nulls: False

Open

Organise New folder

Name	Date modified	Type	Size
ITI	07/10/2020 13:41	File folder	
MetroSales	26/10/2020 12:48	File folder	
greaterthan.txt	26/10/2020 14:02	Text Document	1 KB
lessthan.txt	26/10/2020 14:02	Text Document	1 KB
stud.txt	26/10/2020 13:42	Text Document	1 KB

File name: Text files (*.txt)

A valid file name must be selected.

Connection Managers

Flat File Connection Manager

Source Assistant

Extracts data from a variety of sources. The assistant will guide you through the steps of creating a source and associating it with...

Find Samples

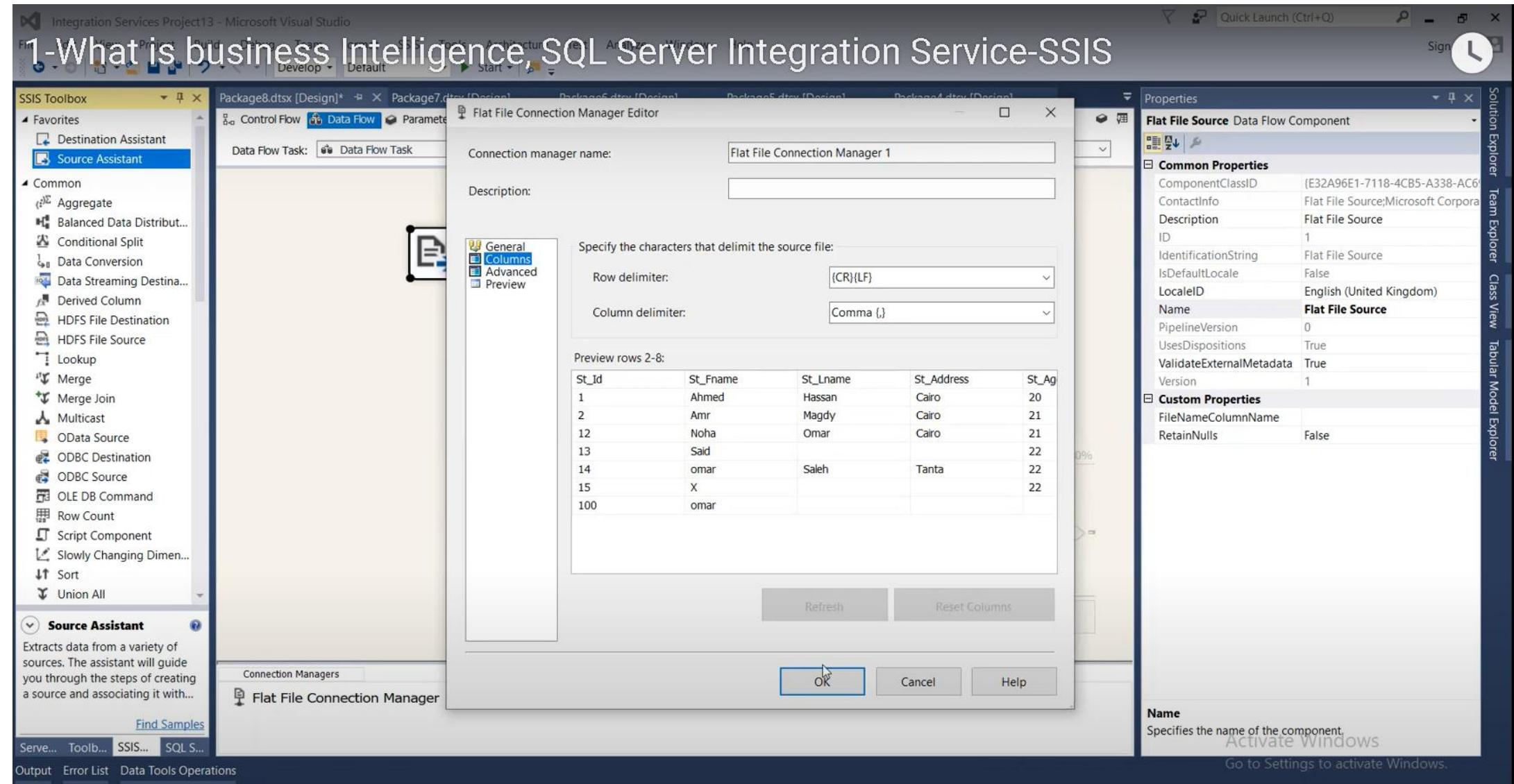
Server... Toolbars... SSIS... SQL S...

Output Error List Data Tools Operations

Quick Launch (Ctrl+Q) Sign In

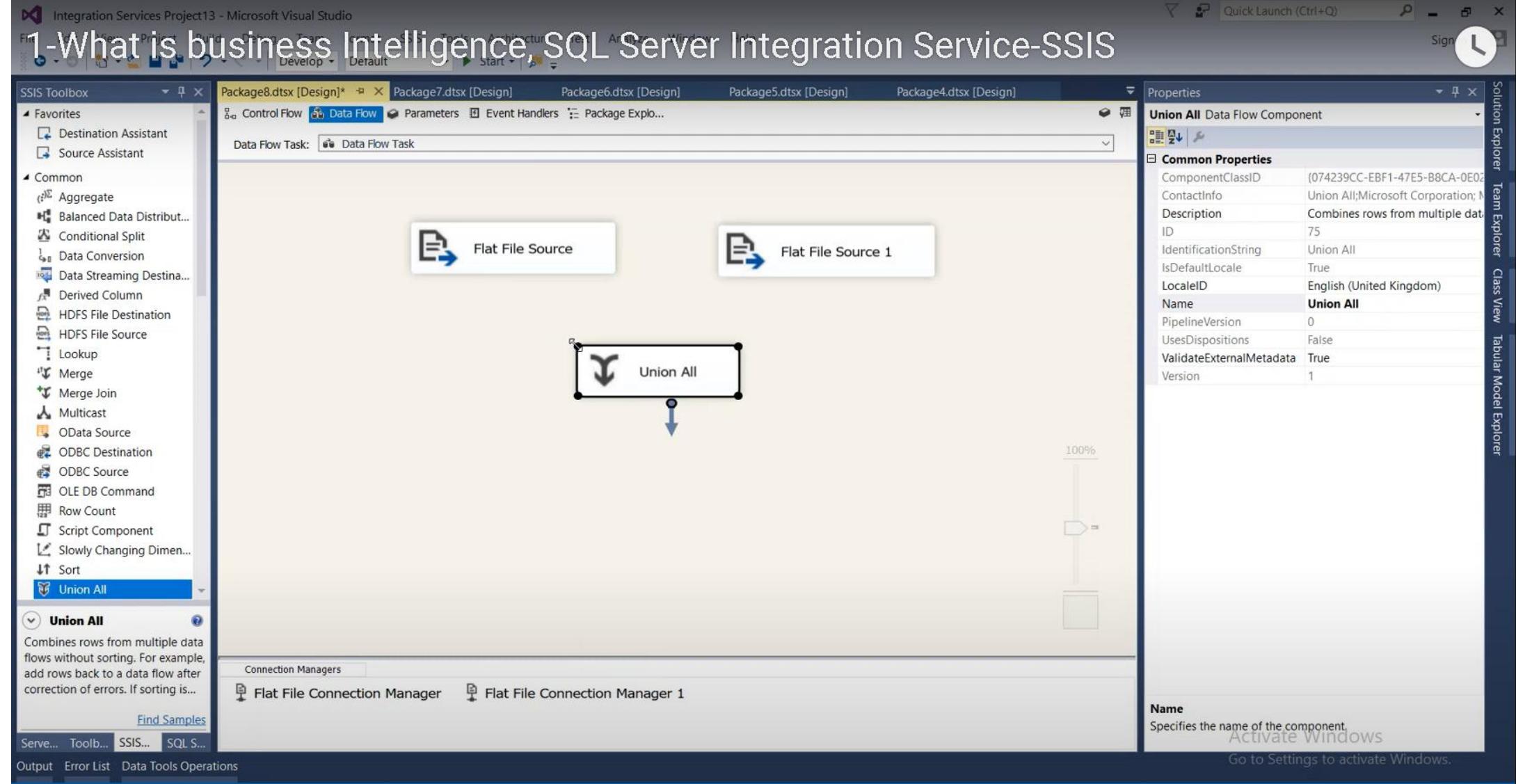
Solution Explorer Team Explorer Class View Tabular Model Explorer

1-What is business Intelligence, SQL Server Integration Service-SSIS



Integration Services Project13 - Microsoft Visual Studio

1-What is business Intelligence, SQL Server Integration Service-SSIS



1-What is business Intelligence, SQL Server Integration Service-SSIS

SSIS Toolbox

Package8.dtsx [Design] * Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer

Data Flow Task: Data Flow Task

Destination Assistant

Source Assistant

Common

- Aggregate
- Balanced Data Distribut...
- Conditional Split
- Data Conversion
- Data Streaming Destin...
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimen...
- Sort
- Union All

Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Find Samples

Connection Managers

Flat File Connection Manager Flat File Connection Manager 1

Output Error List Data Tools Operations

Properties

Data Flow Task Task

DisableEventHandlers	False
FailPackageOnFailure	False
FailParentOnFailure	False
MaximumErrorCount	1
Forced Execution Value	
ForcedExecutionValue	0
ForcedExecutionValueType	Int32
ForceExecutionValue	False
Identification	
Description	Data Flow Task
ID	{485B02E0-5702-43BD-8087-4
Name	Data Flow Task
PackagePath	\Package\Data Flow Task
Misc	
AutoAdjustBufferSize	False
BLOBTempStoragePath	
BufferTempStoragePath	
DefaultBufferMaxRows	10000
DefaultBufferSize	10485760
EngineThreads	10
ExecValueVariable	<none>
Expressions	
ForceExecutionResult	None
HasExpressions	False
LocaleID	English (United Kingdom)
LoggingMode	UseParentSetting
RunInOptimizedMode	True
Transactions	
IsolationLevel	Serializable
TransactionOption	Supported
Name	Specifies the name of the object.

Activate Windows
Go to Settings to activate Windows.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

Package8.dtsx [Design] * Package7.dtsx [Design] Package6.dtsx [Design] Package5.dtsx [Design] Package4.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer

Destination Assistant Source Assistant

Common Aggregate Balanced Data Distributor Conditional Split Data Conversion Data Streaming Destination Derived Column HDFS File Destination HDFS File Source Lookup Merge Merge Join Multicast OData Source ODBC Destination ODBC Source OLE DB Command Row Count Script Component Slowly Changing Dimension Sort Union All

Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Find Samples

Connection Managers

Flat File Connection Manager Flat File Connection Manager 1

Properties

Data Flow Task Task

DisableEventHandlers	False
FailPackageOnFailure	False
FailParentOnFailure	False
MaximumErrorCount	1
Forced Execution Value	
ForcedExecutionValue	0
ForcedExecutionValueType	Int32
ForceExecutionValue	False
Identification	
Description	Data Flow Task
ID	{485B02E0-5702-43BD-8087-4
Name	Data Flow Task
PackagePath	\Package\Data Flow Task
Misc	
AutoAdjustBufferSize	False
BLOBTempStoragePath	
BufferTempStoragePath	
DefaultBufferMaxRows	10000
DefaultBufferSize	10485760
EngineThreads	10
ExecValueVariable	<none>
Expressions	
ForceExecutionResult	None
HasExpressions	False
LocaleID	English (United Kingdom)
LoggingMode	UseParentSetting
RunInOptimizedMode	True
Transactions	
IsolationLevel	Serializable
TransactionOption	Supported
Name	Specifies the name of the object.

Activate Windows
Go to Settings to activate Windows.

Quick Launch (Ctrl+Q) Sign In

Solution Explorer Team Explorer Class View Tabular Model Explorer

The screenshot shows the Microsoft Visual Studio interface for an Integration Services project named 'Project13'. The main window displays the SSIS Toolbox on the left, which includes categories like 'Favorites' (Destination Assistant, Source Assistant), 'Common' (Aggregate, Balanced Data Distributor, etc.), and specific components like 'Data Flow Task'. The 'Data Flow Task' icon is selected. The central workspace shows a 'Connection Manager' dialog box for a 'Flat File Connection Manager'. The dialog includes fields for 'Server name', 'Authentication' (set to 'Windows Authentication'), and 'Connect to a database' (with options for selecting or entering a database name or attaching a database file). Below the dialog are tabs for 'Connection Managers' and two entries: 'Flat File Connection Manager' and 'Flat File Connection Manager 1'. To the right of the workspace is the 'Properties' window, which is currently open for the 'Data Flow Task Task' component. The properties listed include various settings for the task, such as connection details, execution values, and transaction options. The bottom of the screen shows the standard Visual Studio navigation bar with items like 'File', 'Edit', 'View', 'Tools', 'Help', and tabs for 'Output', 'Error List', 'Data Tools Operations', and 'Find Samples'.

1-What is business Intelligence, SQL Server Integration Service-SSIS

SSIS Toolbox

- Favorites
 - Destination Assistant**
 - Source Assistant
- Common
 - Aggregate
 - Balanced Data Distribution
 - Conditional Split
 - Data Conversion
 - Data Streaming Destination
 - Derived Column
 - HDFS File Destination
 - HDFS File Source
 - Lookup
 - Merge
 - Merge Join
 - Multicast
 - OData Source
 - ODBC Destination
 - ODBC Source
 - OLE DB Command
 - Row Count
 - Script Component
 - Slowly Changing Dimension
 - Sort
 - Union All
- Destination Assistant**

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

[Find Samples](#)

Package8.dtsx [Design]* **Package7.dtsx [Design]** **Package6.dtsx [Design]** **Package5.dtsx [Design]** **Package4.dtsx [Design]**

Control Flow **Data Flow** **Parameters** **Event Handlers** **Package Explor...**

Data Flow Task: **Data Flow Task**

Connection Manager

Provider: Native OLE DB\SQL Server Native Client 11.0

Server name:

Log on to the server

Authentication: Windows Authentication

User name:

Password:

Save my password

Connect to a database

(Select or enter a database name: msdb)

(Attach a database file:

Logical name:

Properties

Data Flow Task Task

DisableEventHandlers	False
FailPackageOnFailure	False
FailParentOnFailure	False
MaximumErrorCount	1
Forced Execution Value	0
ForcedExecutionValueType	Int32
ForceExecutionValue	False
Identification	
Description	Data Flow Task
ID	(485B02E0-5702-43BD-8087-4
Name	Data Flow Task
PackagePath	\Package\Data Flow Task
Misc	
AutoAdjustBufferSize	False
BLOBTempStoragePath	
BufferTempStoragePath	
DefaultBufferMaxRows	10000
DefaultBufferSize	10485760
EngineThreads	10
ExecValueVariable	<none>
Expressions	
ForceExecutionResult	None
HasExpressions	False
LocaleID	English (United Kingdom)
LoggingMode	UseParentSetting
RunInOptimizedMode	True
Transactions	
IsolationLevel	Serializable
TransactionOption	Supported
Name	Specifies the name of the object.

Activate Windows
Go to Settings to activate Windows.



1-What is business Intelligence, SQL Server Integration Service-SSIS

SSIS Toolbox

- Favorites
 - Destination Assistant
 - Source Assistant
- Common
 - Aggregate
 - Balanced Data Distribut...
 - Conditional Split
 - Data Conversion
 - Data Streaming Destin...
 - Derived Column
 - HDFS File Destination
 - HDFS File Source
 - Lookup
 - Merge
 - Merge Join
 - Multicast
 - OData Source
 - ODBC Destination
 - ODBC Source
 - OLE DB Command
 - Row Count
 - Script Component
 - Slowly Changing Dimen...
 - Sort
 - Union All

Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

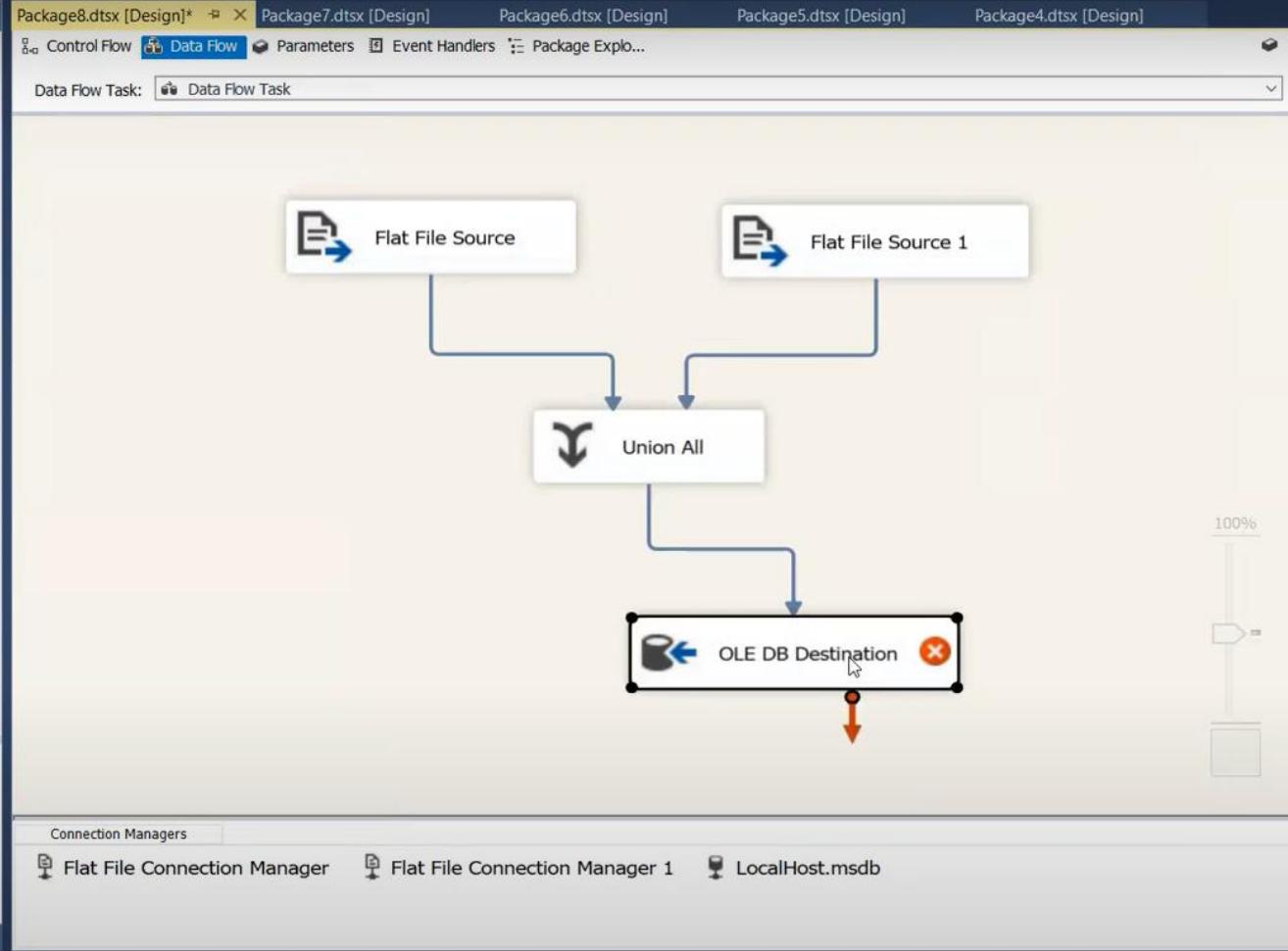
Find Samples

Connection Managers

Flat File Connection Manager Flat File Connection Manager 1 LocalHost.msdb

Serve... Toolbar... SSIS... SQL S...

Output Error List Data Tools Operations



Properties

OLE DB Destination Data Flow Component

Common Properties

ComponentClassID	{7B729B0A-4EA5-4A0D-871A-B86...
ContactInfo	OLE DB Destination;Microsoft Cor...
Description	OLE DB Destination
ID	117
IdentificationString	OLE DB Destination
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	OLE DB Destination
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	4

Custom Properties

AccessMode	OpenRowset Using FastLoad
AlwaysUseDefaultCodePage	False
CommandTimeout	0
DefaultCodePage	1252
OpenRowset	

Name
Specifies the name of the component

Activate Windows
Go to Settings to activate Windows.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

File Project Tools View Insert Data Tools Help

Develop Default

OLE DB Destination Editor

SSIS Toolbox

Package8.dtsx [Design]*

Control Flow Data Flow

Data Flow Task: Data Flow

Destination Assistant

Source Assistant

Common

- Aggregate
- Balanced Data Distribut...
- Conditional Split
- Data Conversion
- Data Streaming Destin...
- Derived Column
- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- ODBC Destination
- ODBC Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimen...
- Sort
- Union All

Destination Assistant

Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Find Samples

Connection Managers

Flat File Connection Manager

Server... Toolbars SSIS... SQL Server

Output Error List Data Tools Operations

Ready

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

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.

Create Table

```
CREATE TABLE [Allstud] (
    [St_Id] varchar(50),
    [St_Fname] varchar(50),
    [St_Lname] varchar(50),
    [St_Address] varchar(50),
    [St_Age] varchar(50),
    [Dept_Id] varchar(50),
    [St_super] varchar(50)
)
```

New...

New...

OK Cancel

View Existing Data...

Select a table or view from the list.

OK Cancel Help

Properties

OLE DB Destination Data Flow Component

Common Properties

ComponentClassID	{7B729B0A-4EA5-4A0D-871A-B86E}
ContactInfo	OLE DB Destination;Microsoft Cor
Description	OLE DB Destination
ID	117
IdentificationString	OLE DB Destination
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	OLE DB Destination
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	4

Custom Properties

AccessMode	OpenRowset Using FastLoad
AlwaysUseDefaultCodePage	False
CommandTimeout	0
DefaultCodePage	1252
OpenRowset	

Name

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

↑ Publish

Quick Launch (Ctrl+Q) Sign In

Solution Explorer Team Explorer Class View Tabular Model Explorer

Integration Services Project13 - Microsoft Visual Studio

File Edit View Project Build Debug Team Format SSIS Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

SSIS Toolbox

Package8.dtsx [Design] Develop Default

OLE DB Destination Editor

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

Data Flow Task: Data Flow

Connection Manager Mappings Error Output

Create Table

```
CREATE TABLE [Allstuds] (
    [St_Id] varchar(50),
    [St_Fname] varchar(50),
    [St_Lname] varchar(50),
    [St_Address] varchar(50),
    [St_Age] varchar(50),
    [Dept_Id] varchar(50),
    [St_super] varchar(50)
)
```

New... New... OK Cancel

View Existing Data...

Connection Managers Flat File Connection Manager

Find Samples

Serve... Toolbar... SSIS... SQL S... Output Error List Data Tools Operations

Properties

OLE DB Destination Data Flow Component

Common Properties

ComponentClassID	(7B729B0A-4EA5-4A0D-871A-B6E
ContactInfo	OLE DB Destination;Microsoft Cor
Description	OLE DB Destination
ID	117
IdentificationString	OLE DB Destination
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	OLE DB Destination
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	4

Custom Properties

AccessMode	OpenRowset Using FastLoad
AlwaysUseDefaultCodePage	False
CommandTimeout	0
DefaultCodePage	1252
OpenRowset	

Name

Specifies the name of the component.

Activate Windows

Go to Settings to activate Windows.

Published

The screenshot shows the Microsoft Visual Studio interface for an Integration Services project named "Package8.dtsx". The main window displays the "OLE DB Destination Editor" configuration dialog. Inside this dialog, a "Create Table" window is open, showing the SQL script for creating a table named "Allstuds" with seven columns: St_Id, St_Fname, St_Lname, St_Address, St_Age, Dept_Id, and St_super, each of type varchar(50). Below the table creation window, there is a message box with a warning icon stating "Select a table or view from the list." The "Properties" pane on the right shows the "OLE DB Destination" component's properties, including its ID (117), name ("OLE DB Destination"), and various connection and performance settings. The "Common Properties" section includes fields like ComponentClassID, ContactInfo, Description, IdentificationString, IsDefaultLocale, LocaleID, Name, PipelineVersion, UsesDispositions, ValidateExternalMetadata, and Version. The "Custom Properties" section includes AccessMode, AlwaysUseDefaultCodePage, CommandTimeout, DefaultCodePage, and OpenRowset. The "Name" property is highlighted with a tooltip: "Specifies the name of the component." A watermark for "Activate Windows" is visible at the bottom of the screen.

1-What is business Intelligence, SQL Server Integration Service-SSIS

The screenshot shows the Microsoft Visual Studio interface for an SSIS package named "Package8.dtsx". The main window displays the "OLE DB Destination Editor" configuration dialog. The "Connection Manager" dropdown is set to "LocalHost.msdb". The "Data access mode" is set to "Table or view - fast load". The "Name of the table or the view" dropdown contains "[Allstuds]". Under "Custom Properties", the "Name" is set to "OLE DB Destination". Other properties like "AccessMode" and "DefaultCodePage" are also visible. The "Properties" pane on the right shows detailed settings for the "OLE DB Destination" component. The "SSIS Toolbox" on the left lists various components, and the "Solution Explorer" and "Team Explorer" panes are visible on the right.

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

OLE DB connection manager:

LocalHost.msdb

Data access mode:

Table or view - fast load

Name of the table or the view:

[Allstuds]

Keep identity

Table lock

Keep nulls

Check constraints

Rows per batch:

Maximum insert commit size:

View Existing Data...

Map the columns on the Mappings page.

OK Cancel Help

Properties

OLE DB Destination Data Flow Component

Common Properties

ComponentClassID	{7B729B0A-4EA5-4A0D-871A-B6E
ContactInfo	OLE DB Destination;Microsoft Cor
Description	OLE DB Destination
ID	117
IdentificationString	OLE DB Destination
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	OLE DB Destination
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	4

Custom Properties

AccessMode	OpenRowset Using FastLoad
AlwaysUseDefaultCodePage	False
CommandTimeout	0
DefaultCodePage	1252
OpenRowset	

Name
Specifies the name of the component.

Activate Windows
Go to Settings to activate Windows.

1-What is business Intelligence, SQL Server Integration Service-SSIS

Integration Services Project13 - Microsoft Visual Studio

SSIS Toolbox

Package8.dtsx [Design]*

Control Flow Data Flow

Data Flow Task: Data Flow

Connection Manager Mappings Error Output

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

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.msdb

Data access mode: Table or view - fast load

Name of the table or the view: [Allstuds]

Keep identity Table lock

Keep nulls Check constraints

Rows per batch:

Maximum insert commit size: 2147483647

View Existing Data...

Map the columns on the Mappings page.

Properties

OLE DB Destination Data Flow Component

Common Properties

ComponentClassID	[7B729B0A-4EA5-4A0D-871A-B6E
ContactInfo	OLE DB Destination;Microsoft Cor
Description	OLE DB Destination
ID	117
IdentificationString	OLE DB Destination
IsDefaultLocale	True
LocaleID	English (United Kingdom)
Name	OLE DB Destination
PipelineVersion	0
UsesDispositions	True
ValidateExternalMetadata	True
Version	4

Custom Properties

AccessMode	OpenRowset Using FastLoad
AlwaysUseDefaultCodePage	False
CommandTimeout	0
DefaultCodePage	1252
OpenRowset	

Name: Specifies the name of the component.

Activate Windows: Go to Settings to activate Windows.

Solution Explorer Team Explorer Class View Tabular Model Explorer

Find Samples

Server... Toolbars... SSIS... SQL Server... Output Error List Data Tools Operations

OK Cancel Help

1-What is business Intelligence, SQL Server Integration Service-SSIS

The screenshot shows the Microsoft Visual Studio interface for an SSIS package named "Package8.dtsx". The main window displays the "Data Flow Editor" for a "Data Flow Task".

SSIS Toolbox:

- Favorites: Destination Assistant, Source Assistant
- Common: Aggregate, Balanced Data Distribut..., Conditional Split, Data Conversion, Data Streaming Destinat..., Derived Column, HDFS File Destination, HDFS File Source, Lookup, Merge, Merge Join, Multicast, OData Source, ODBC Destination, ODBC Source, OLE DB Command, Row Count, Script Component, Slowly Changing Dimen..., Sort, Union All
- Destination Assistant: Sends data to a variety of destinations. The assistant will guide you through the steps of creating a destination and...

Data Flow Editor:

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

Mappings:

Connection Manager: Mappings

Available Input... (Input Columns): St_Id, St_Fname, St_Lname, St_Address, St_Age, Dept_Id

Available Desti... (Destination Columns): St_Id, St_Fname, St_Lname, St_Address, St_Age, Dept_Id, St_super

Input Column	Destination Column
St_Id	St_Id
St_Fname	St_Fname
St_Lname	St_Lname
St_Address	St_Address
St_Age	St_Age
Dept_Id	Dept_Id
St_super	St_super

Properties Window:

OLE DB Destination Data Flow Component

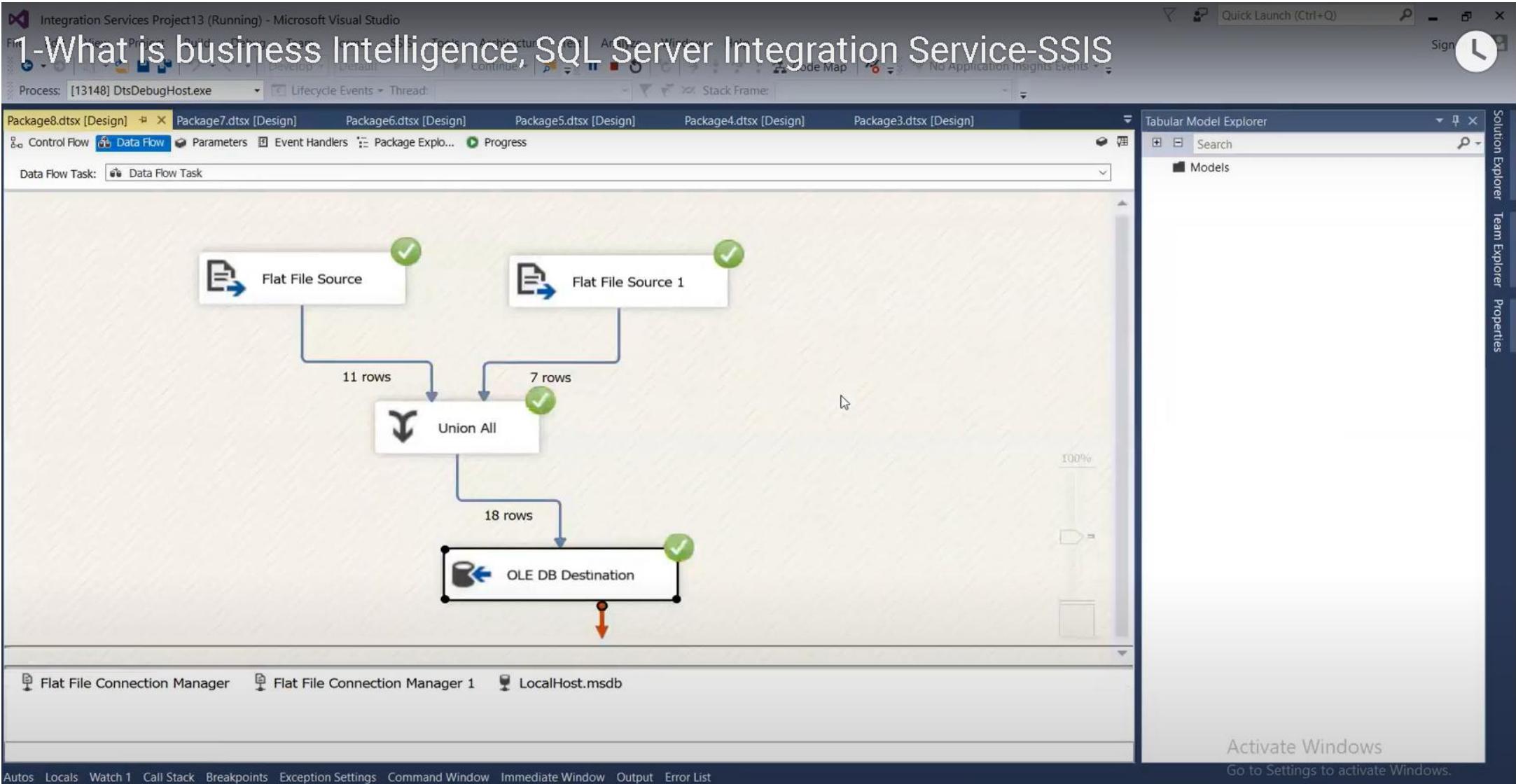
Common Properties:

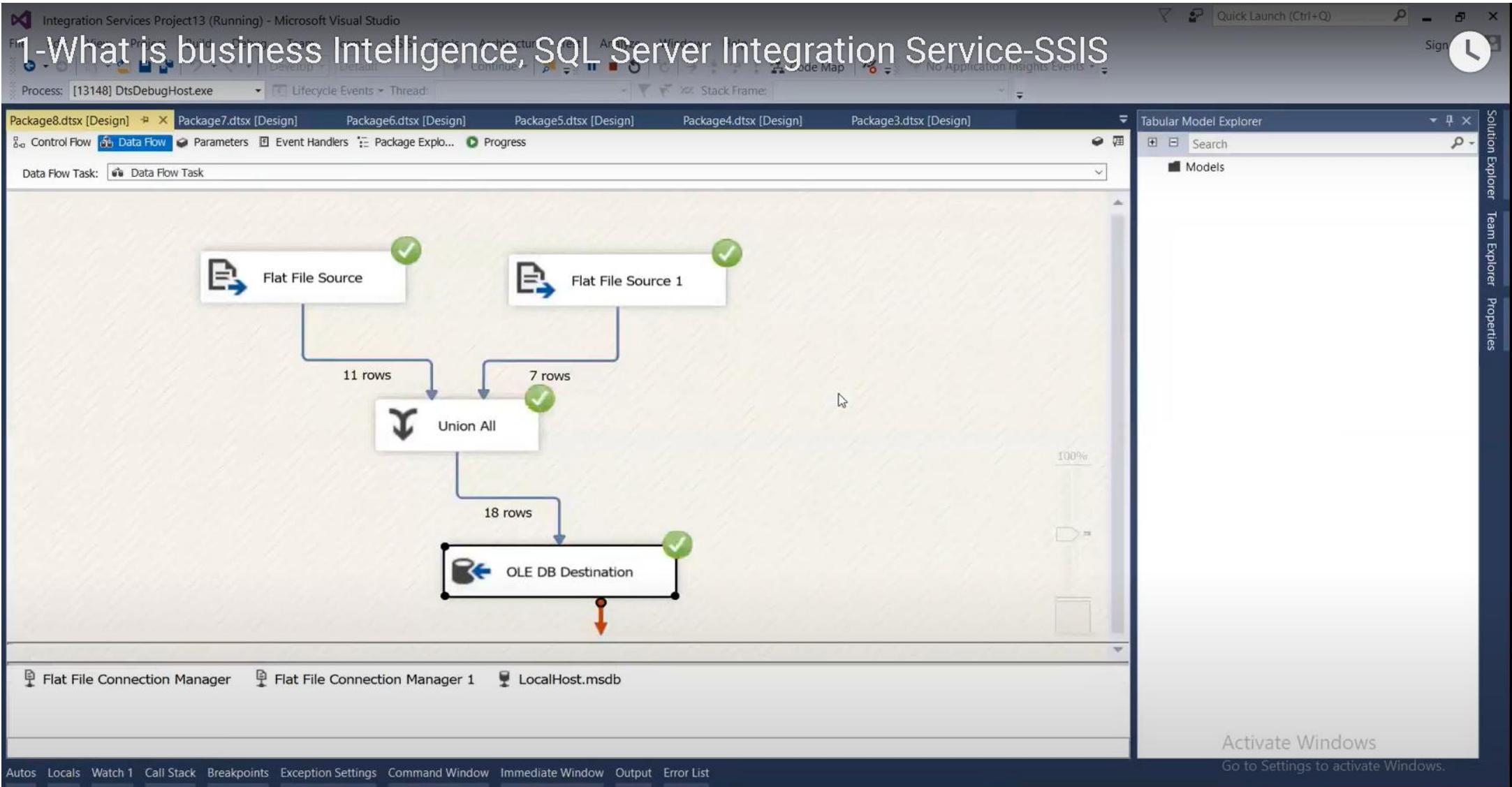
- ComponentClassID: {7B729B0A-4EA5-4A0D-871A-B6E...
- ContactInfo: OLE DB Destination;Microsoft Cor...
- Description: OLE DB Destination
- ID: 117
- IdentificationString: OLE DB Destination
- IsDefaultLocale: True
- LocaleID: English (United Kingdom)
- Name: **OLE DB Destination**
- PipelineVersion: 0
- UsesDispositions: True
- ValidateExternalMetadata: True
- Version: 4

Custom Properties:

- AccessMode: OpenRowset Using FastLoad
- AlwaysUseDefaultCodePage: False
- CommandTimeout: 0
- DefaultCodePage: 1252
- OpenRowset

Name: Specifies the name of the component. **Activate Windows** Go to Settings to activate Windows.





inmon vs kimball



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<https://www.geeksforgeeks.org/difference-between-ki...> ::

Difference between Kimball and Inmon

Aug 2, 2022 — **It is efficient and takes less time.** It is complex and consumes a lot of time. Cost
It has iterative steps and is cost-effective. Initial cost ...



Astera Software

<https://www.astera.com/blog> ::

Data Warehouse Concepts: Kimball vs. Inmon Approach

Mar 21, 2024 — Bottom-line. Both Kimball vs. Inmon **data warehouse concepts can be used to design data warehouse models successfully.** In fact, several ...



Medium · Amar Joshi

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Understanding the Differences Between Inmon, Kimball ...

The choice between Inmon, Kimball, or **Data Vault depends on your organization's specific requirements**, such as data complexity, agility, and ...

WILEY



KIMBALL
GROUP

The Data Warehouse Toolkit

Third Edition

The Definitive Guide
to Dimensional
Modeling

Ralph Kimball
Margy Ross

