

File Edit View Git Project Build Debug Format Test Analyze Tools Extensions Window Help Search Integration Services Project1

SSIS Toolbox

Search SSIS Toolbox

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

Azure

Other Transforms

Other Sources

- ADO NET Source
- CDC Source

**Data Conversion**

Converts data from one data type to another. Converted data is written to a new output column. For example, convert data from a column of decimal type to an output column of integer type or convert ANSI string data to Unicode.

[Find Samples](#)

Package.dtsx

Control Flow

Data Flow

OLE DB Source Editor

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

Connection Manager

Columns

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.

OLE DB connection manager:

OMARNOUH34.salesDWH1

New...

Data access mode:

SQL command

SQL command text:

```
fc.CustomerID,  
fc.CustomerName,  
fp.ProductID,  
fp.ProductName,  
fs.QuantitySold,  
fp.UnitPrice,  
ft.Date  
FROM  
salesDWH.FactSales fs  
INNER JOIN salesDWH.DimCustomer fc ON fs.CustomerID =  
fc.CustomerID  
INNER JOIN salesDWH.DimProduct fp ON fs.ProductID =  
fp.ProductID  
INNER JOIN salesDWH.DimTime ft ON fs.TimeID = ft.TimeID;
```

Parameters...

Build Query...

Browse...

Parse Query

Preview...

OK Cancel Help

Solution Explorer

Search Solution Explorer (Ctrl+)

Solution 'Integration Services Project1' (1 of 1 project)

- Integration Services Project1
  - Project.params
  - Connection Managers
    - Data Connection.conmgr
  - SSIS Packages
    - Package.dtsx
  - Package Parts
    - Control Flow
    - Miscellaneous
  - Linked Azure Resources
    - Azure-SSIS Integration Runtime
    - Azure Storage

Solution Explorer Git Changes

Properties

OLE DB Source Data Flow Component

ID	1
IdentificationString	OLE DB Source
IsDefaultLocale	True
LocaleID	English (United States)
Name	OLE DB Source
PipelineVersion	0
UsesDispositions	True

[Show Editor](#), [Show Advanced Editor](#)

Name

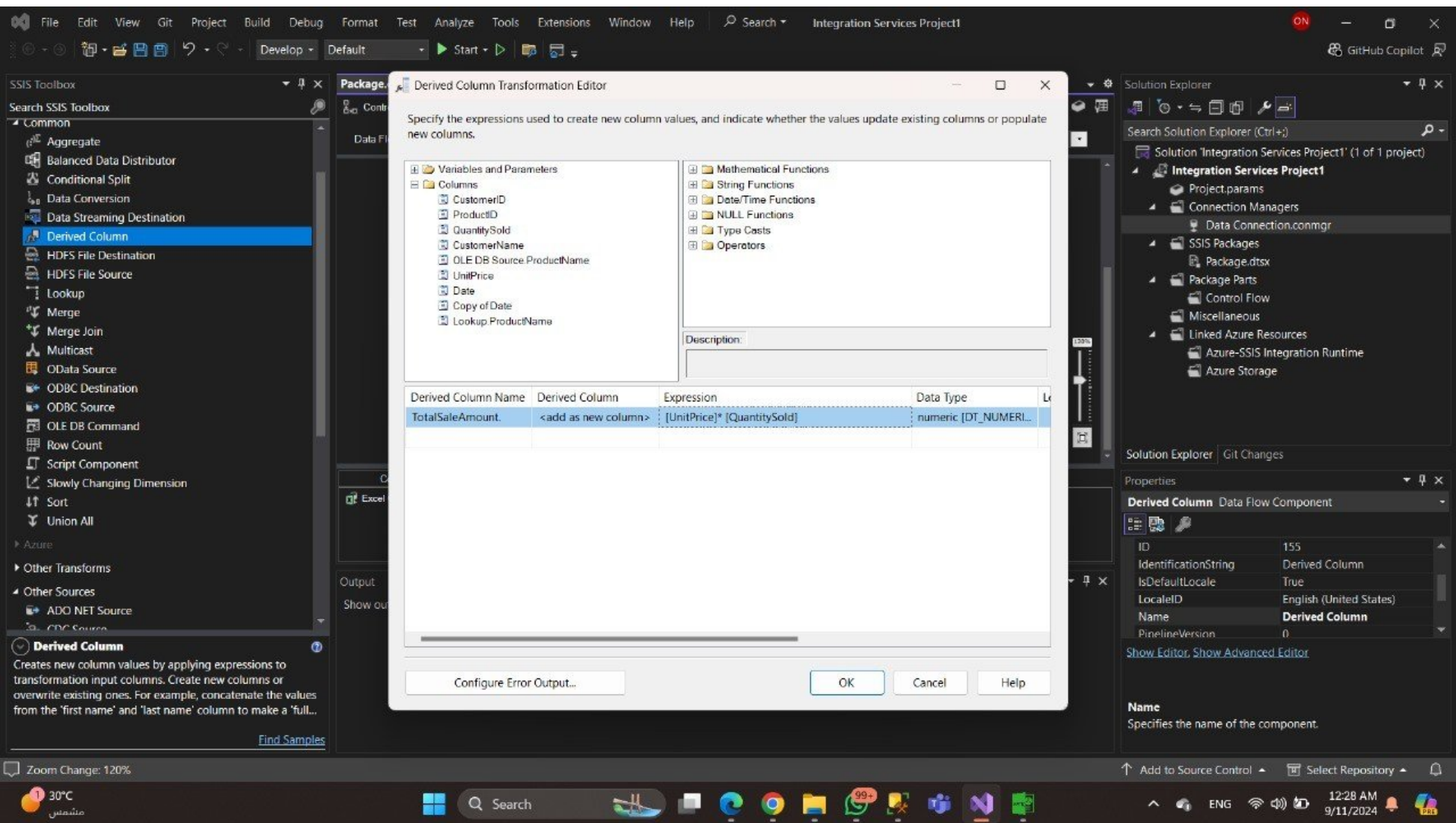
Specifies the name of the component.

Ready

30°C

Search

12:23 AM 9/11/2024





FileEditViewGitProjectBuildDebugFormatTestAnalyzeToolsExtensionsWindowHelpSearch

Integration Services Project1

DevelopDefaultStart

SSIS Toolbox

Search SSIS Toolbox

Script Component

Slowly Changing Dimension

Sort

Union All

Azure

Other Transforms

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 Training

DataReader Destination

Dimension Processing

Excel Destination

Flat File Destination

OLE DB Destination

Partition Processing

Raw File Destination

Recordset Destination

SQL Server Destination

OLE DB Destination

Loads data into an OLE DB-compliant relational database, such as SQL Server. Many types of databases are OLE DB-compliant. With minor reconfiguration, this destination can be used before and after your database is migrated from one...

Find Samples

Package.dtsx [Design]

Control FlowData FlowParametersEvent HandlersPackage ExplorerExecution Results

Data Flow TaskData Flow Task

Connection Managers

Excel Connection Manager(project) Data ConnectionData Connection 1OMARNOUH34.salesDWH1

Output

Show output from: Debug

Information: 0x402090E2 at Data Flow Task, Lookup [23]: The Lookup processed 500 rows in the cache. The processing time was  
Information: 0x4004300C at Data Flow Task, SSIS.Pipeline: Execute phase is beginning.  
Information: 0x40043008 at Data Flow Task, SSIS.Pipeline: Post Execute phase is beginning.  
Information: 0x4004300B at Data Flow Task, SSIS.Pipeline: "OLE DB Destination" wrote 500 rows.  
Information: 0x40043009 at Data Flow Task, SSIS.Pipeline: Cleanup phase is beginning.  
SSIS package "C:\Users\omarn\source\repos\Integration Services Project1\Integration Services Project1\Package.dtsx" finished.  
The program "[23696] DtsDebugHost.exe: DTS" has exited with code 0 (0x0).

Solution Explorer

Search Solution Explorer (Ctrl+)

Solution "Integration Services Project1" (1 of 1 project)

Integration Services Project1

Project.params

Connection Managers

Data Connection.conmgr

SSIS Packages

Package.dtsx

Package Parts

Control Flow

Miscellaneous

Linked Azure Resources

Azure-SSIS Integration Runtime

Azure Storage

Solution ExplorerGit Changes

Properties

Data Flow Task Task

ForceExecutionValueFalse

Identification

DescriptionData Flow Task

ID{9629F739-5663-433C-B6D2-3}

NameData Flow Task

PackagePath\Package\Data Flow Task

Misc

Name

Specifies the name of the object.

Ready

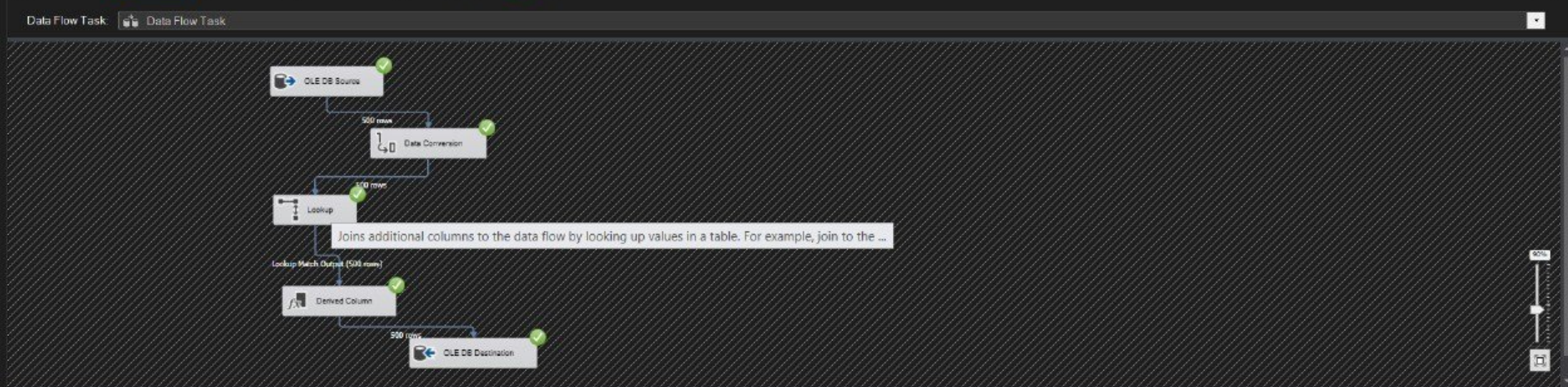
30°C

Search

12:38 AM 9/11/2024

Package.dtsx [Design]

Control Flow Data Flow Parameters Event Handlers Package Explorer Progress



Connection Managers

Excel Connection Manager (project) Data Connection Data Connection 1 OMARNOUH34.salesDWH1

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

Autos

Search (Ctrl+E) Search Depth:

Name	Value	Type
------	-------	------

Call Stack

Search (Ctrl+E) View all Threads Show External Code

Name	Lang
------	------

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

[-]  salesDWH

[+]  Database Diagrams


[-]  Tables

[+]  System Tables

[+]  FileTables

[+]  External Tables

[+]  Graph Tables

[-]  **dbo.new destination**

[-]  Columns

 CustomerID (int, null)

 ProductID (int, null)

 QuantitySold (int, null)

 CustomerName (varchar(100), null)

 UnitPrice (numeric(10,2), null)

 Date (datetime, null)

 Lookup.ProductName (varchar(100), null)

 TotalSaleAmount. (numeric(21,2), null)



	CustomerID	ProductID	QuantitySo...	CustomerN...	UnitPrice	Date	Lookup.Pro...	TotalSaleA...
▶	1	1	7	Customer1	84.80	2023-01-01 ...	Product1	593.60
	2	2	8	Customer2	10.92	2023-01-02 ...	Product2	87.36
	3	3	8	Customer3	16.04	2023-01-03 ...	Product3	128.32
	4	4	2	Customer4	59.52	2023-01-04 ...	Product4	119.04
	5	5	4	Customer5	65.52	2023-01-05 ...	Product5	262.08
	6	6	9	Customer6	12.13	2023-01-06 ...	Product6	109.17
	7	7	3	Customer7	86.23	2023-01-07 ...	Product7	258.69
	8	8	9	Customer8	51.91	2023-01-08 ...	Product8	467.19
	9	9	1	Customer9	50.28	2023-01-09 ...	Product9	50.28
	10	10	9	Customer10	72.62	2023-01-10 ...	Product10	653.58
	11	11	7	Customer11	35.85	2023-01-11 ...	Product11	250.95
	12	12	2	Customer12	0.17	2023-01-12 ...	Product12	0.34
	13	13	8	Customer13	80.60	2023-01-13 ...	Product13	644.80
	14	14	7	Customer14	45.03	2023-01-14 ...	Product14	315.21
	15	15	7	Customer15	83.33	2023-01-15 ...	Product15	583.31
	16	16	9	Customer16	20.79	2023-01-16 ...	Product16	187.11
	17	17	1	Customer17	34.20	2023-01-17 ...	Product17	34.20
	18	18	4	Customer18	50.87	2023-01-18 ...	Product18	203.48
	19	19	1	Customer19	83.63	2023-01-19 ...	Product19	83.63
	20	20	2	Customer20	65.54	2023-01-20 ...	Product20	131.08
	21	21	9	Customer21	83.66	2023-01-21 ...	Product21	752.94
	22	22	9	Customer22	93.95	2023-01-22 ...	Product22	845.55
	23	23	9	Customer23	94.17	2023-01-23 ...	Product23	847.53
	24	24	9	Customer24	34.10	2023-01-24 ...	Product24	306.90
	25	25	8	Customer25	89.36	2023-01-25 ...	Product25	714.88
	26	26	5	Customer26	74.80	2023-01-26 ...	Product26	374.00
	27	27	9	Customer27	83.31	2023-01-27 ...	Product27	749.79
	28	28	8	Customer28	66.64	2023-01-28 ...	Product28	533.12
	29	29	7	Customer29	19.01	2023-01-29 ...	Product29	133.07
	30	30	8	Customer30	14.20	2023-01-30 ...	Product30	426.00

Object Explorer - Microsoft SQL Server Management Studio

File Edit View Tools Window Help

Quick Launch (Ctrl+Q)

Object Explorer

- Connect
- Constraints
- Triggers
- Indexes
- Statistics
- salesDWH.DimCustomer
- salesDWH.DimProduct
- salesDWH.DimTime
- salesDWH.FactSales
- Dropped Ledger Tables
- Views
- External Resources
- Synonyms
- Programmability
- Query Store
- Service Broker
- Storage
- Security
- StudentCourseManagement
- Textdb
- Security
- Server Objects
- Replication
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent
  - Jobs
    - ssis
    - syspolicy\_purge\_history
  - Job Activity Monitor
  - Alerts
  - Operators
  - Proxies
  - Error Logs
  - XEvent Profiler

Job Properties - ssis

Select a page

- General
- Steps
- Schedules
- Alerts
- Notifications
- Targets

Script Help

Job step list:

S...	Name	Type	On Succ...	On Failure
1	omar	SQL Se...	Quit the...	Quit the...

Connection

Server: omarnouh34

Connection: OMARNOUH34\omarn

[View connection properties](#)

Progress

Ready

Move step: Start step: 1 omar

New... Insert... Edit Delete

OK Cancel

Ready



Object Explorer - Microsoft SQL Server Management Studio

Quick Launch (Ctrl+Q)

File Edit View Tools Window Help

New Query Execute

Object Explorer

- Connect
- Constraints
- Triggers
- Indexes
- Statistics
- salesDWH.DimCustomer
- salesDWH.DimProduct
- salesDWH.DimTime
- salesDWH.FactSales
- Dropped Ledger Tables
- Views
- External Resources
- Synonyms
- Programmability
- Query Store
- Service Broker
- Storage
- Security
- StudentCourseManagement
- Textdb
- Security
- Server Objects
- Replication
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent
  - Jobs
    - ssis
    - syspolicy\_purge\_history
  - Job Activity Monitor
- Alerts
- Operators
- Proxies
- Error Logs
- XEvent Profiler

Job Properties - ssis

Select a page

- General
- Steps
- Schedules
- Alerts
- Notifications
- Targets

Script Help

Schedule list:

ID	Name	Enabl...	Description
9	ETL Run	Yes	Occurs on 9/11/2024 at 2:00:00 AM.

Connection

Server: omarnouh34

Connection: OMARNOUH34\omarn

[View connection properties](#)

Progress

Ready

New... Pick... Edit Remove

OK Cancel

Ready

30°C

Search

ENG

1:46 AM 9/11/2024