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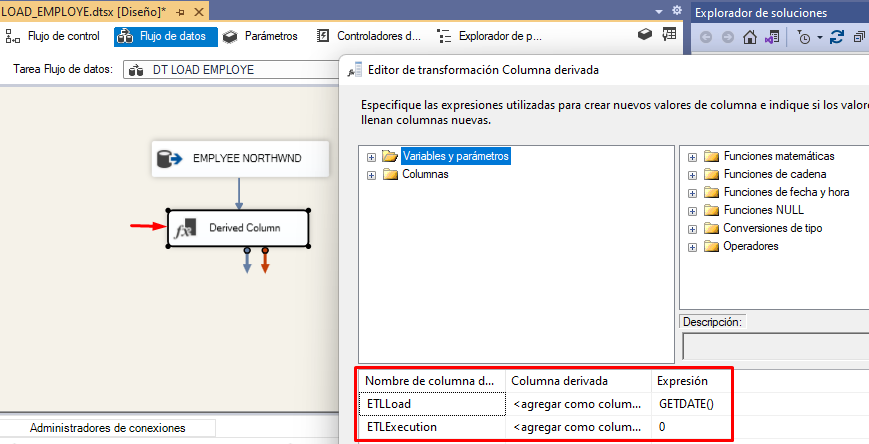
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# IMPLEMENTAR CARGA EMPLEADO

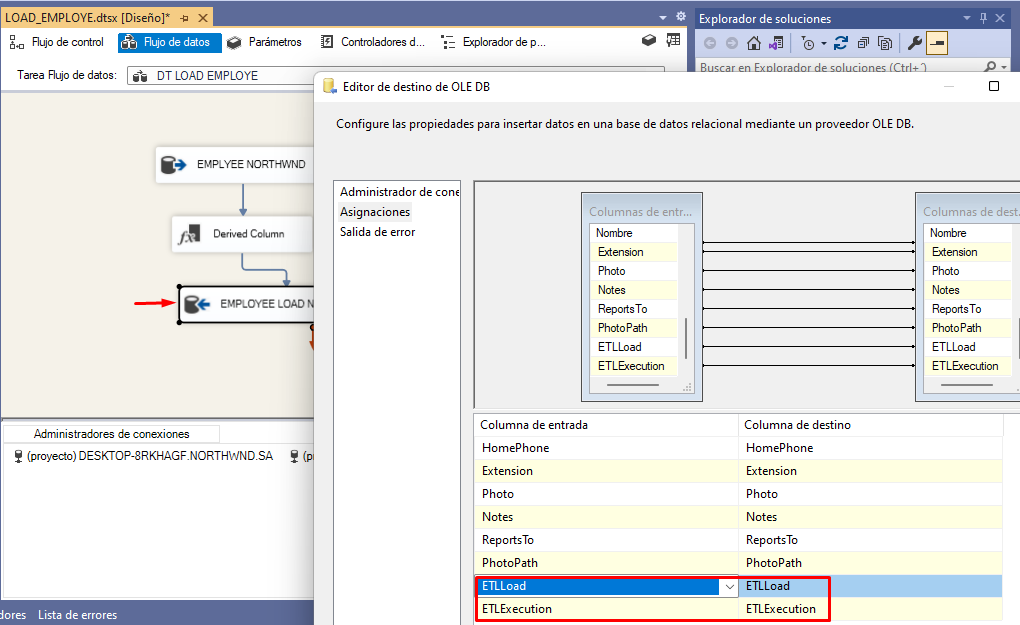
Se crea la tabla empleados en la Base De Datos **LOAD\_NORTHWND**





DESTINO LOAD NORTHWND

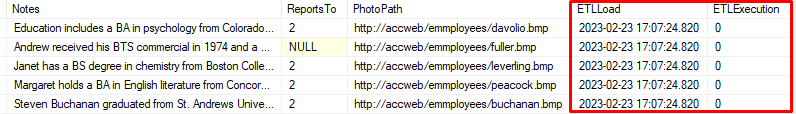
Se carga el empleado de NORTHWND a la tabla employee de la base de datos de LOAD\_NORTHWND.



USE LOAD\_NORTHWND

GO

SELECT \* FROM Employees



## CARGAR BASE DE DATOS NORTHWND\_METADATA

USE NORTHWND\_METADATA

GO

CREATE TABLE ETLExecution(

ID [int] NOT NULL,

NombreUsuario [nvarchar](100) NULL,

NombreMaquina [nvarchar](100) NULL,

NombrePaquete [nvarchar](100) NULL,

ETLload [DateTime] NULL,

ETLCountRows [int] NULL,

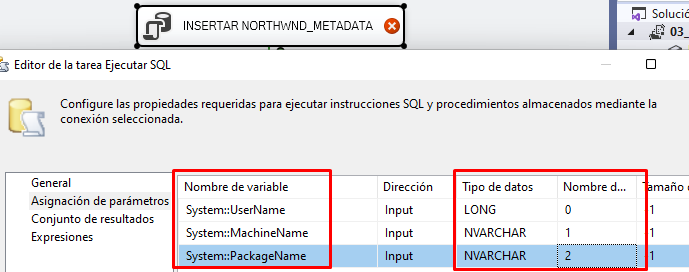
ETLCountNewRegister [int] NULL,

ETLCountModifiedRegister [int] NULL )

## CONFIGURARA TABLA DE METADATOS

INSERT INTO ETLExecution(NombreUsuario, NombreMaquina, NombrePaquete,ETLload)

VALUES(?,?,?,GETDATE())



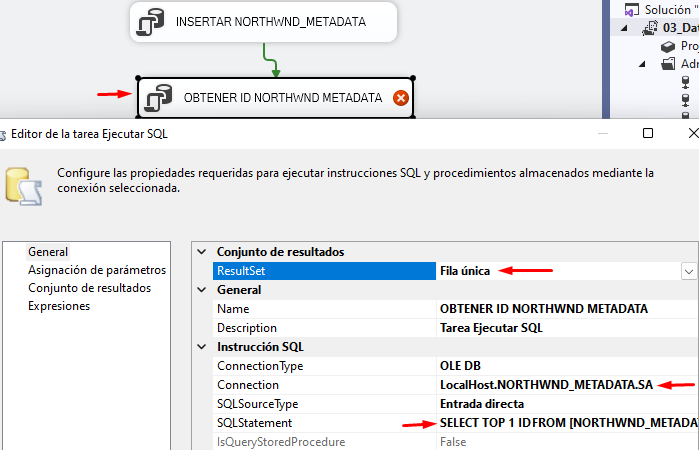
**OBTENER ID**

SELECT TOP 1 ID

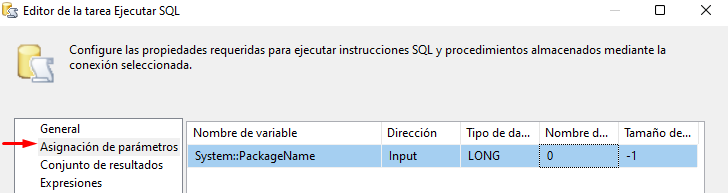
FROM [NORTHWND\_METADATA].[dbo].[ETLExecution]

WHERE NombrePaquete = ?

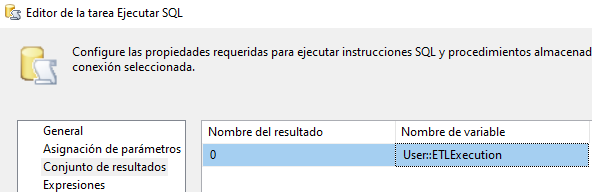
ORDER BY ID DESC



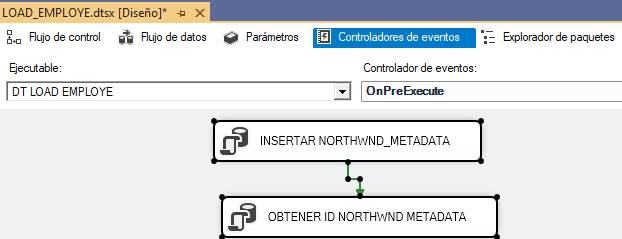
**ASIGNAR PARAMETROS**



**CONJUNTO DE SALIDA**



**CONTROLADOR DE EVENTOS**



ASIGNAR VARIABLE **@[User::ETLExecution]** A EMPLEADOS

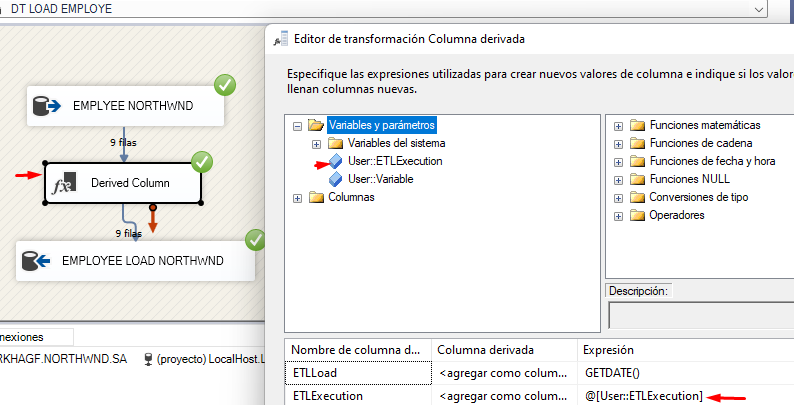
Se toma el valor del query.

SELECT TOP 1 \*

FROM [NORTHWND\_METADATA].[dbo].[ETLExecution]

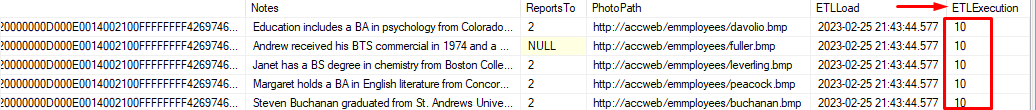
ORDER BY 1 DESC





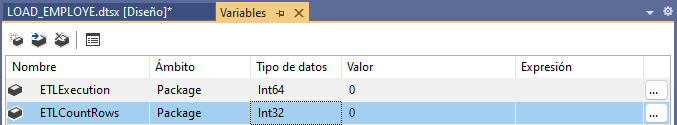
Una vez configurado el valor se realiza la consulta.

SELECT \* FROM [dbo].[Employees]

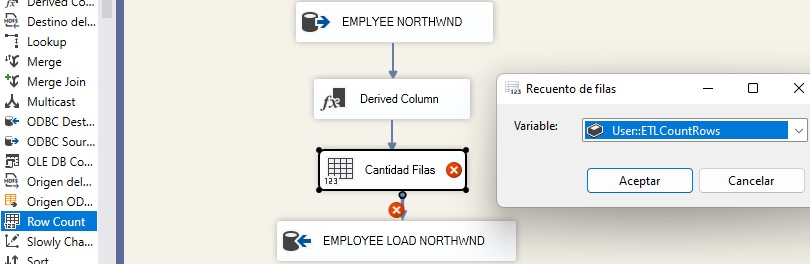


**CONFIGURAR CONTEO DE FILAS**

**CREAR VARIABLE ETLCOUNTROWS**



**CONTEO FILAS**

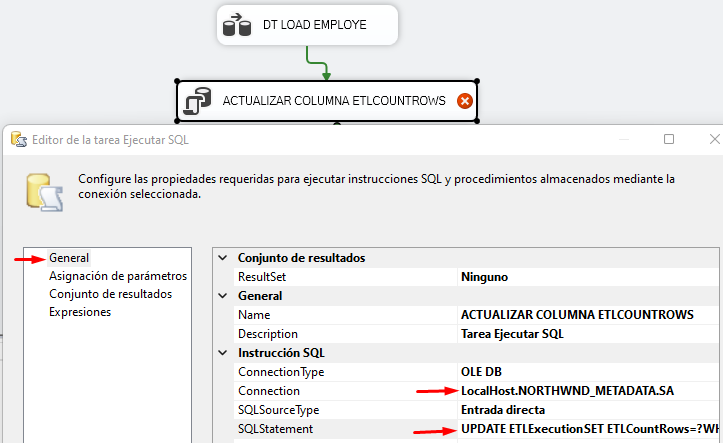


**ACTUALZIAR VARIABLE CONTEO DE FILAS**

UPDATE ETLExecution

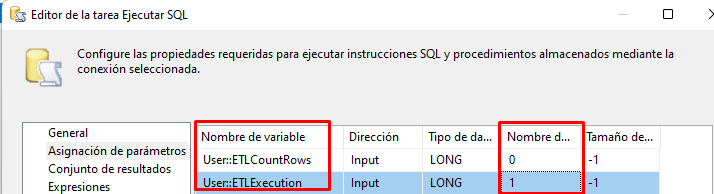
SET ETLCountRows=?

WHERE ID=?



En la consulta anterior se configura 2 parámetros para la actualización del query.

A continuación, se asignan los parámetros.



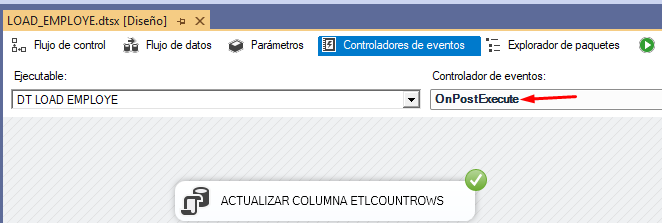
**PASAR TAREA DE ACTUALIZAR CONTEO FILAS A EVENTO POST EXECUTE**

SELECT TOP 1 \*

FROM [NORTHWND\_METADATA].[dbo].[ETLExecution]

ORDER BY 1 DESC





# IMPLEMENTAR CARGA PRODUCTO

**CREAR TABLA BASE DE DATOS LOAD\_NORTHWND**

CREATE TABLE [dbo].[Products](

[ProductID] [int] NOT NULL,

[ProductName] [nvarchar](40) NOT NULL,

[SupplierID] [int] NULL,

[CategoryID] [int] NULL,

[QuantityPerUnit] [nvarchar](20) NULL,

[UnitPrice] [money] NULL,

[UnitsInStock] [smallint] NULL,

[UnitsOnOrder] [smallint] NULL,

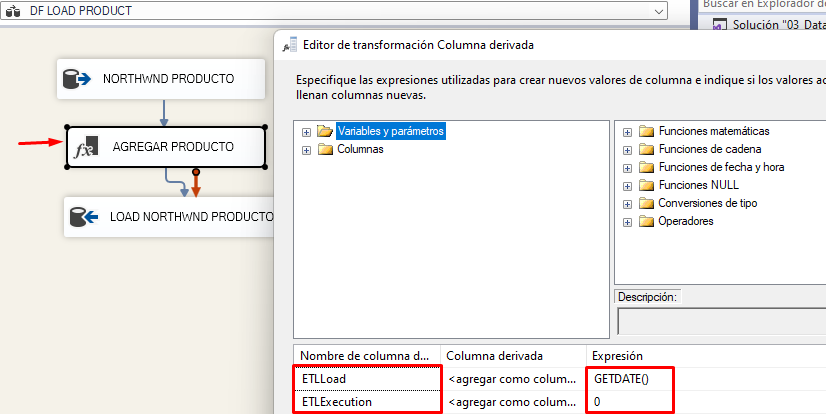
[ReorderLevel] [smallint] NULL,

[Discontinued] [bit] NOT NULL,

ETLLoad DATETIME,

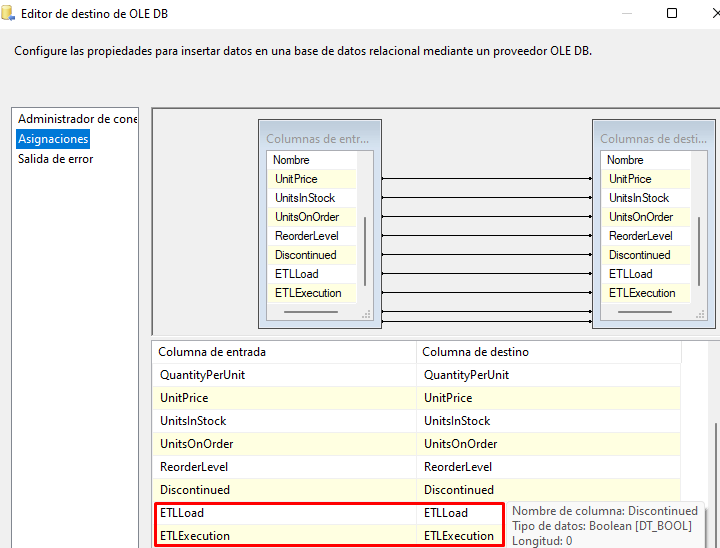
ETLExecution int )

**COLUMNAS DERIVADAS INICIO**



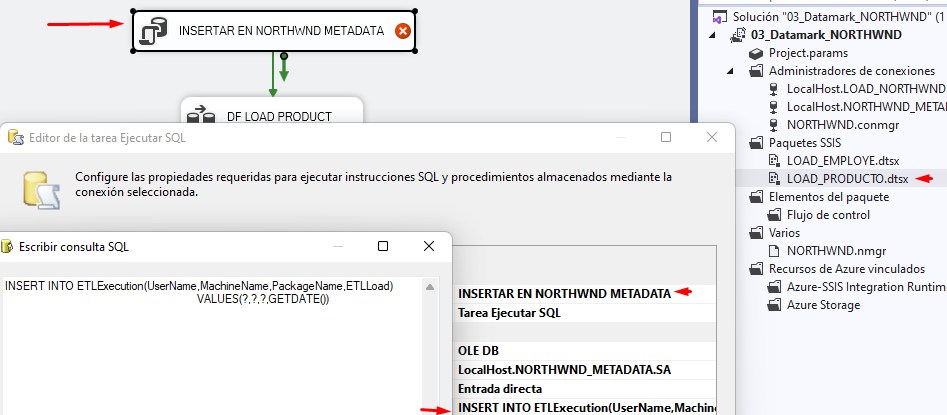
**DESTINO LOAD NORTHWND**

Se carga el empleado de NORTHWND a la tabla employee de la base de datos de LOAD\_NORTHWND.

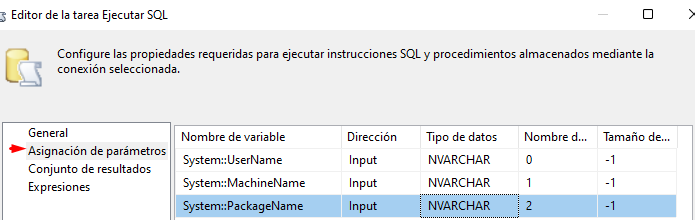


## INSERTAR EN TABLA ETL EXECUTION DE BASE DE DATOS METADATA

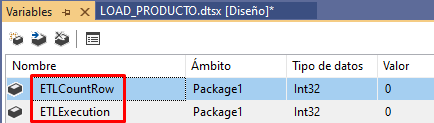
INSERT INTO [dbo].[ETLExecution](NombreUsuario,NombreMaquina,NombrePaquete,ETLload )VALUES(?,?,?,GETDATE())



**ASIGNAR PARAMETROS**



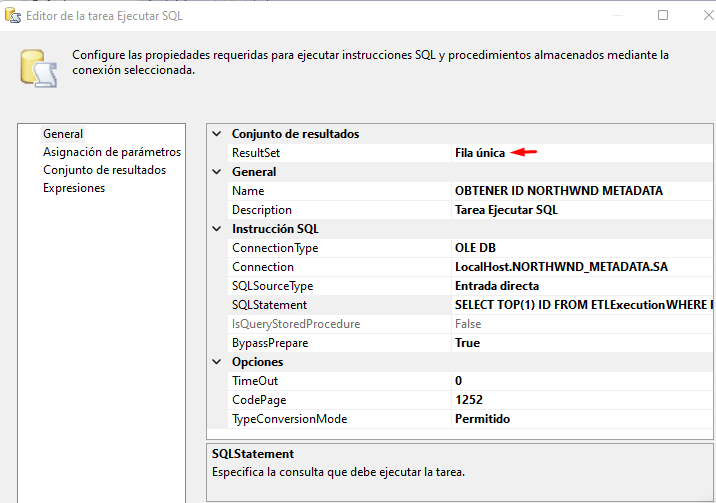
## OBTENER ID NORTHWND METADATA

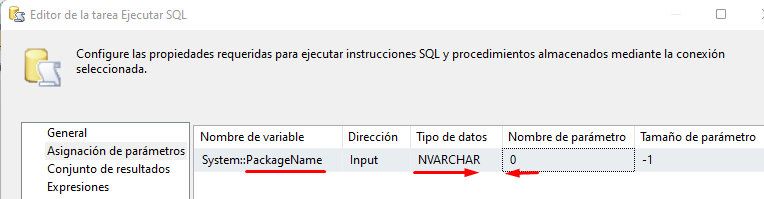


SELECT TOP(1) ID FROM ETLExecution

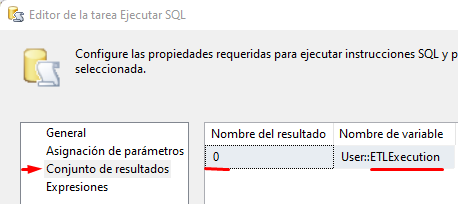
WHERE NombrePaquete=?

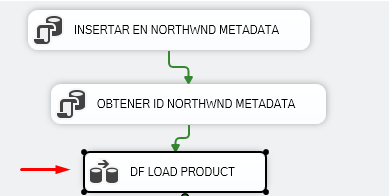
ORDER BY ID DESC



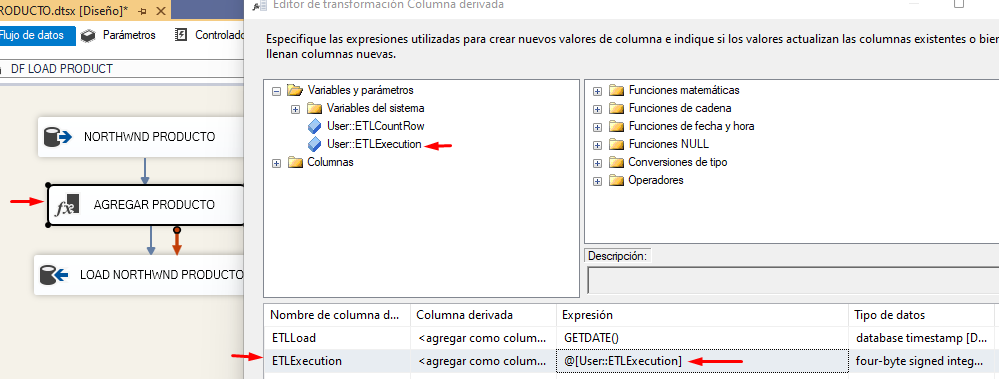


Resultados

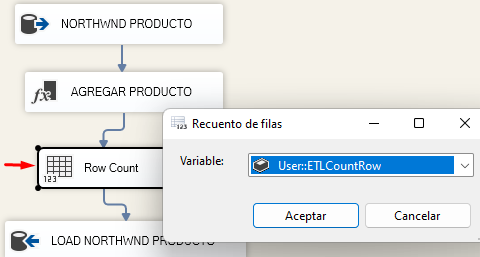




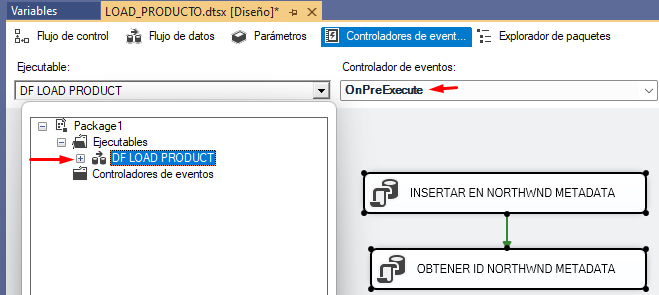
**ASIGNAR VARIABLE ETLEXECUTION**



**CONTAR CANTIDAD FILAS**



**PRE - EXECUTE**

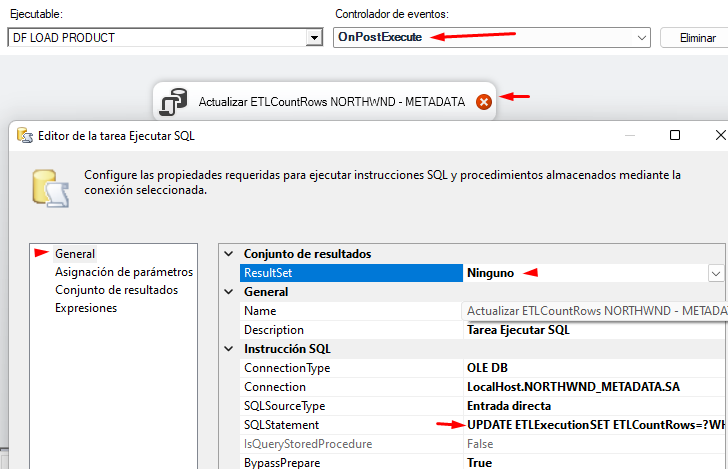


**POST – EXECUTE**

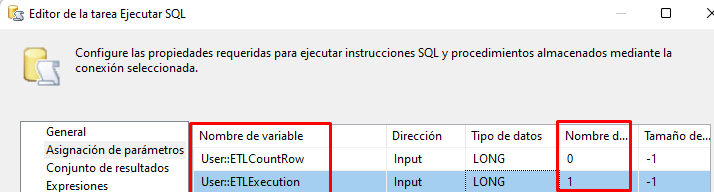
UPDATE ETLExecution

SET ETLCountRows=?

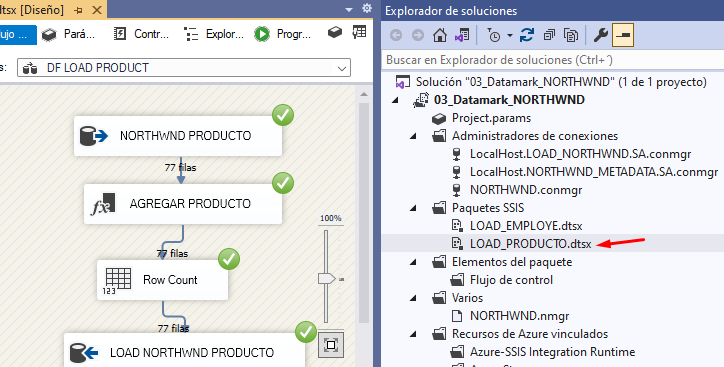
WHERE ID=?

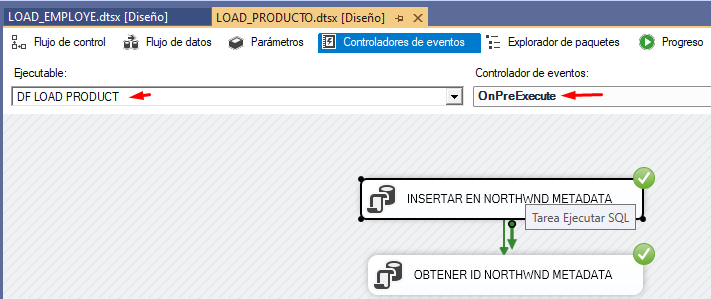


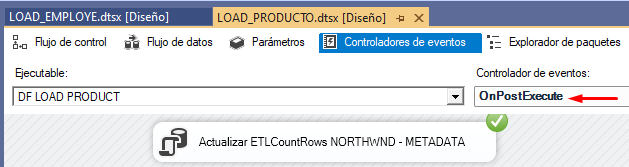
**ASIGNACION DE PARAMETROS**



**EJECUCION**



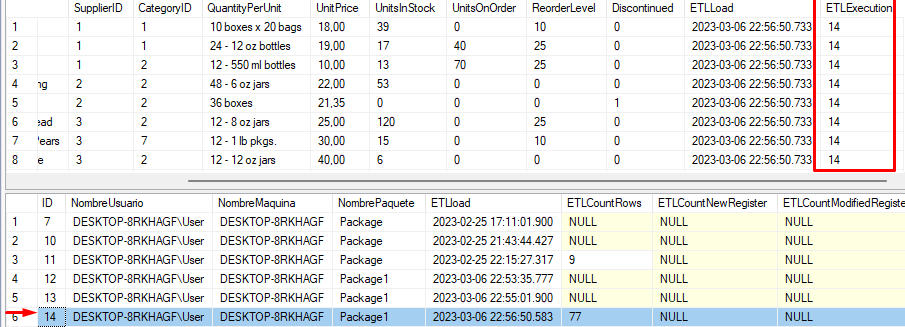




SELECT \* FROM Products

ORDER BY ETLExecution DESC

SELECT \* FROM [NORTHWND\_METADATA].DBO.ETLExecution



# CARGAR CATEGORIA

USE LOAD\_NORTHWND GO

CREATE TABLE [dbo].[Categories](

[CategoryID] [int] NOT NULL,

[CategoryName] [nvarchar](15) NOT NULL,

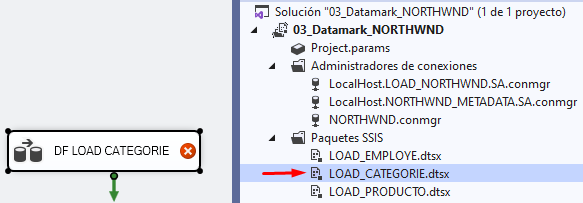
[Description] [ntext] NULL,

[Picture] [image] NULL,

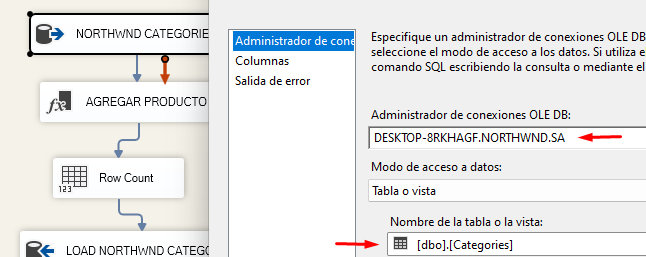
ETLLoad DATETIME,

ETLExecution int )

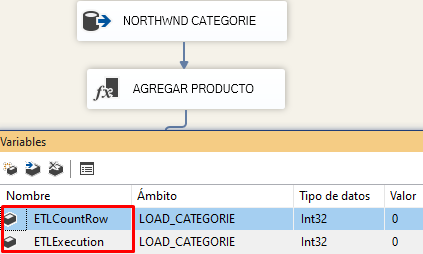
Copiar **Load\_Producto** para load Categoría



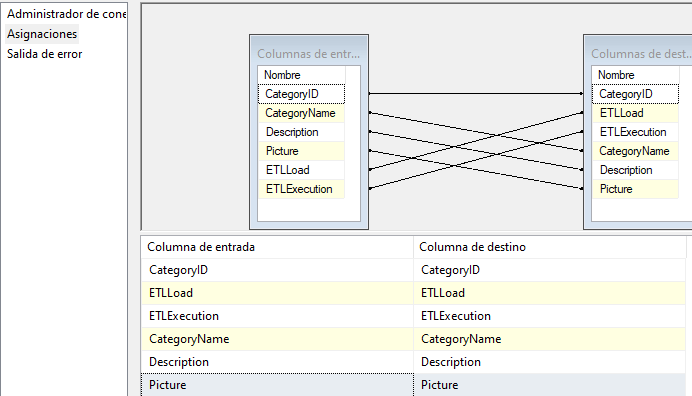
**CARGAR ORIGEN**



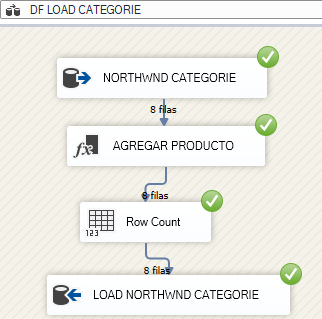
**VARIABLES**



**MAPEAR DESTINO**



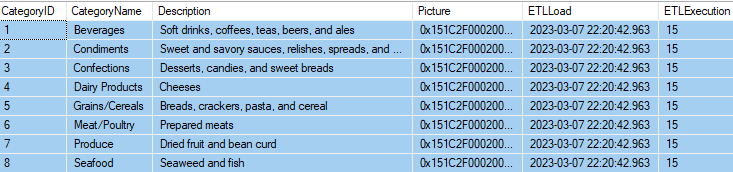
Se verifica los Eventos de Pre-Execute y Post-Execute.



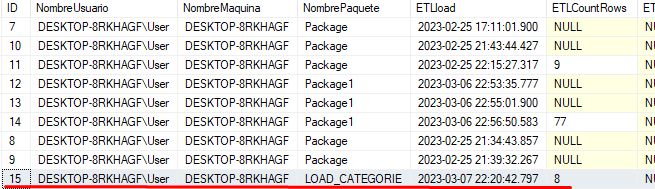
USE [LOAD\_NORTHWND] GO

SELECT \*

FROM [dbo].[Categories]



SELECT \* FROM [NORTHWND\_METADATA].DBO.ETLExecution



# CARGAR CUSTOMER

USE LOAD\_NORTHWND GO

CREATE TABLE [dbo].[Customers](

[CustomerID] [nchar](5) NOT NULL,

[CompanyName] [nvarchar](40) NOT NULL,

[ContactName] [nvarchar](30) NULL,

[ContactTitle] [nvarchar](30) NULL,

[Address] [nvarchar](60) NULL,

[City] [nvarchar](15) NULL,

[Region] [nvarchar](15) NULL,

[PostalCode] [nvarchar](10) NULL,

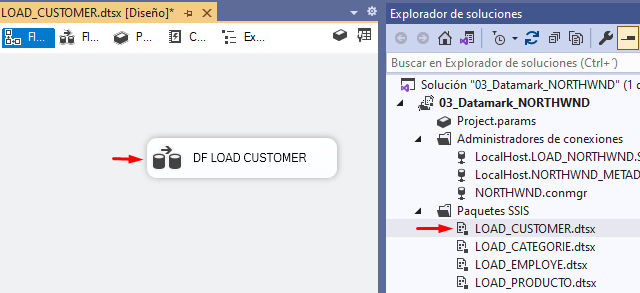
[Country] [nvarchar](15) NULL,

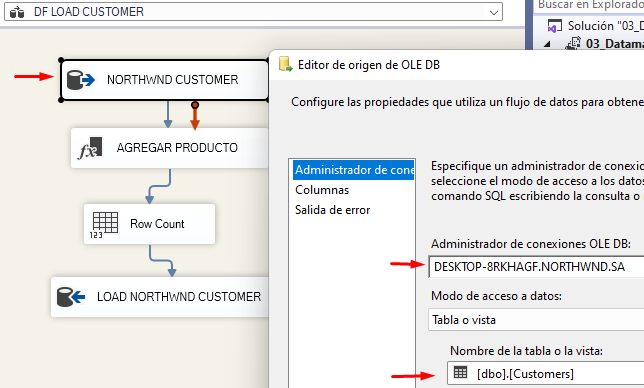
[Phone] [nvarchar](24) NULL,

[Fax] [nvarchar](24) NULL,

ETLLoad DATETIME,

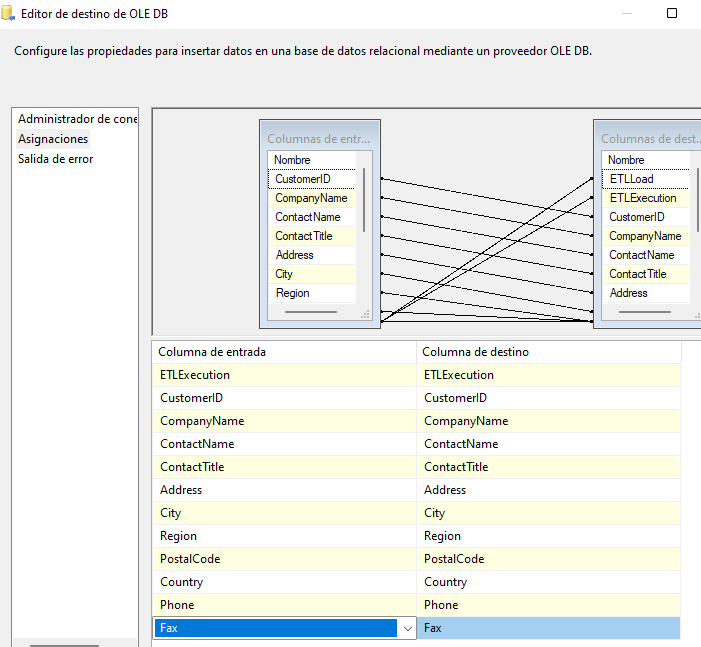
ETLExecution INT )



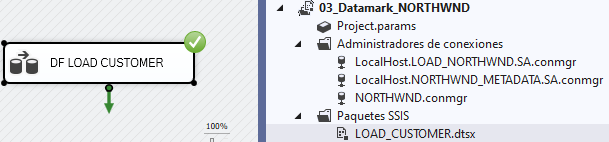


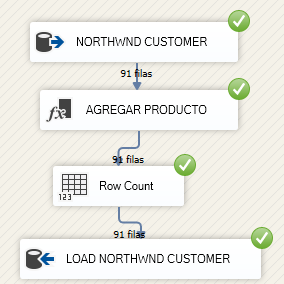
Seguir los pasos de crear variables y contar filas similares a **Cargar Productos**.

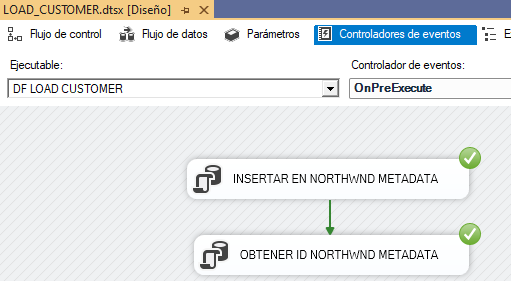
**MAPEAR VALORES**

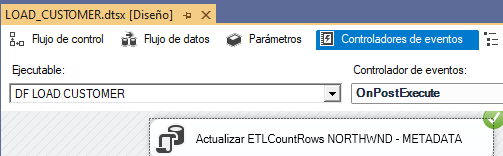


EJECUCION



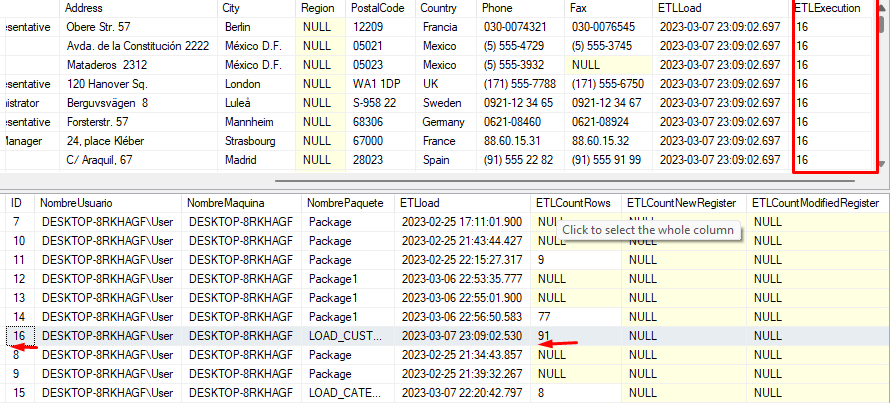






SELECT \* FROM Customers

SELECT \* FROM [NORTHWND\_METADATA].[dbo].[ETLExecution]



# CARGAR ORDER

USE LOAD\_NORTHWND

CREATE TABLE [dbo].[Orders](

[OrderID] [int] NOT NULL,

[CustomerID] [nchar](5) NULL,

[EmployeeID] [int] NULL,

[OrderDate] [datetime] NULL,

[RequiredDate] [datetime] NULL,

[ShippedDate] [datetime] NULL,

[ShipVia] [int] NULL,

[Freight] [money] NULL,

[ShipName] [nvarchar](40) NULL,

[ShipAddress] [nvarchar](60) NULL,

[ShipCity] [nvarchar](15) NULL,

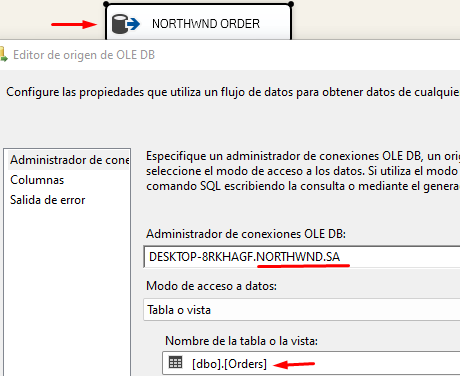
[ShipRegion] [nvarchar](15) NULL,

[ShipPostalCode] [nvarchar](10) NULL,

[ShipCountry] [nvarchar](15) NULL,

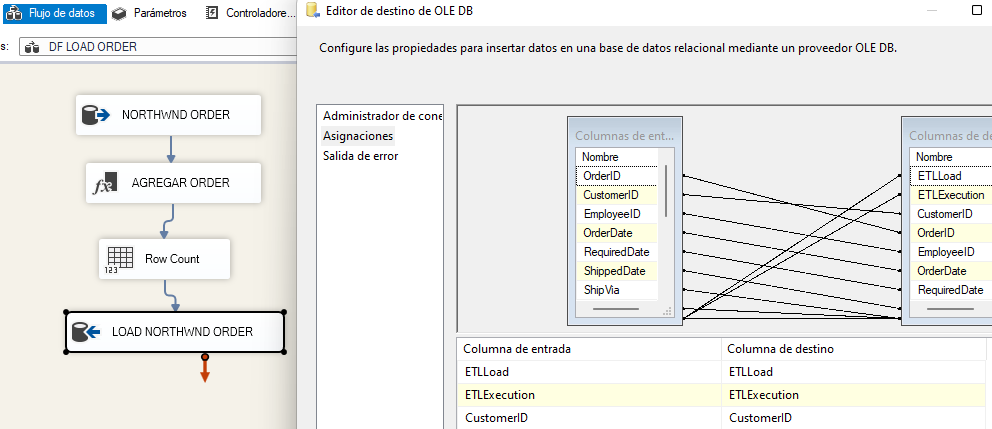
ETLLoad DATETIME,

ETLExecution INT )

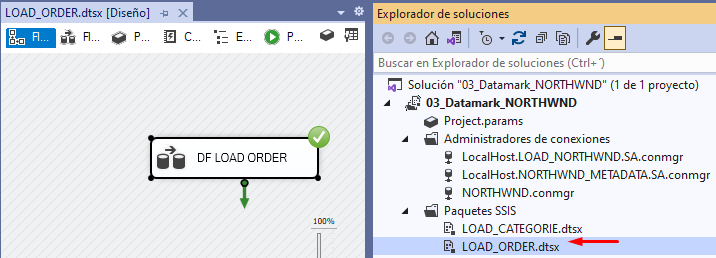


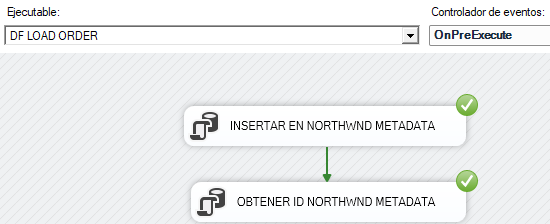
Seguir los pasos de crear variables y contar filas similares a **Cargar Productos**.

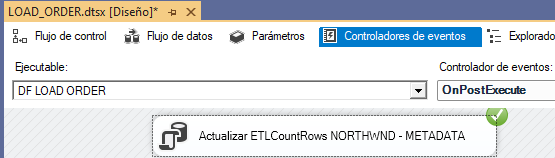
**MAPEAR VALORES**

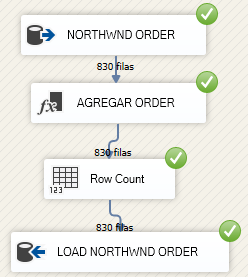


EJECUCION







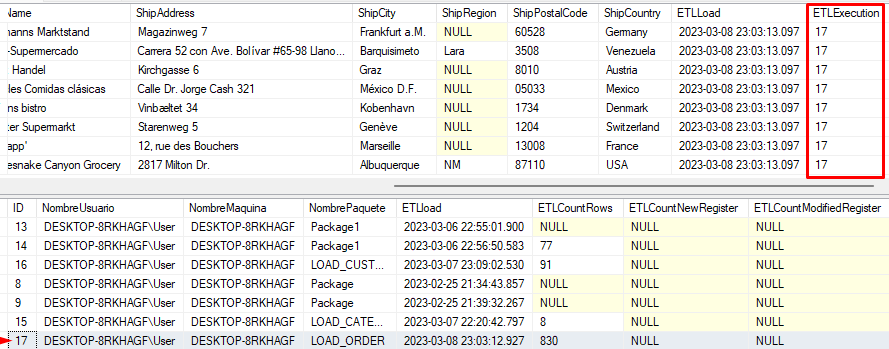


USE LOAD\_NORTHWND

GO

SELECT \* FROM Orders

SELECT \* FROM [NORTHWND\_METADATA].[dbo].[ETLExecution]



# CARGAR ORDER DETAIL

USE LOAD\_NORTHWND GO

CREATE TABLE [dbo].[Order Details](

[OrderID] [int] NOT NULL,

[ProductID] [int] NOT NULL,

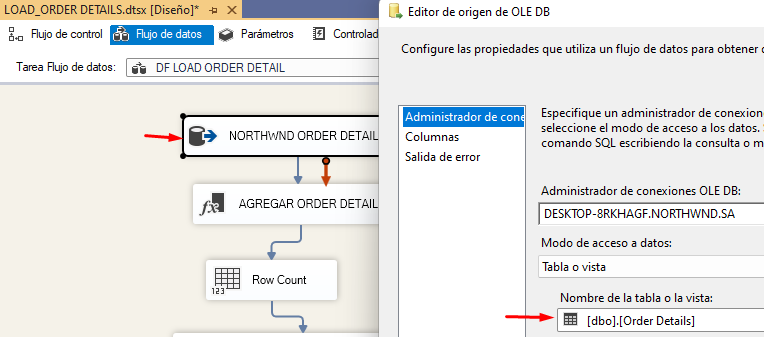
[UnitPrice] [money] NOT NULL,

[Quantity] [smallint] NOT NULL,

[Discount] [real] NOT NULL,

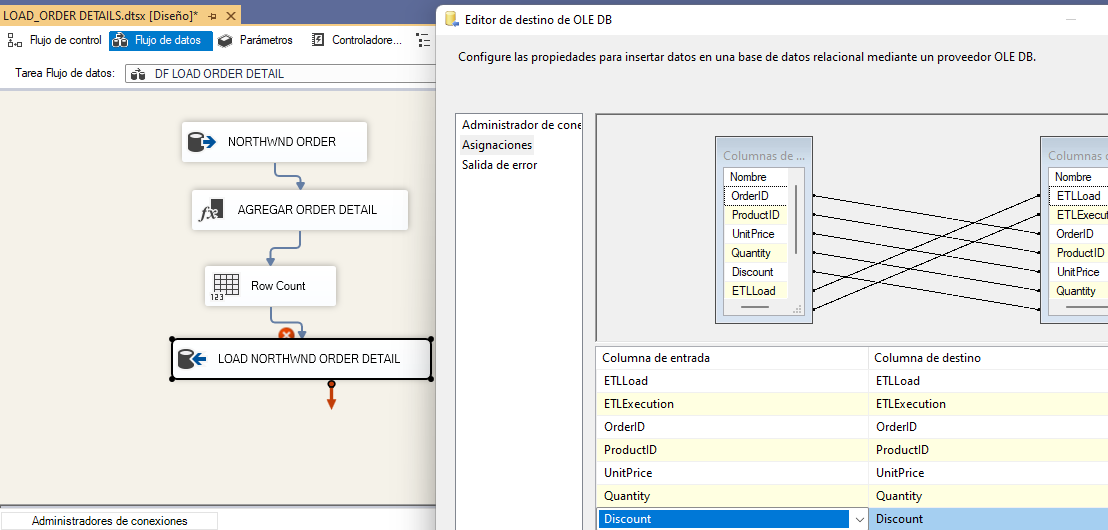
ETLLoad DATETIME,

ETLExecution INT )

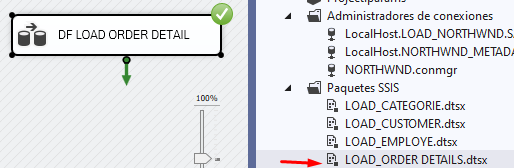


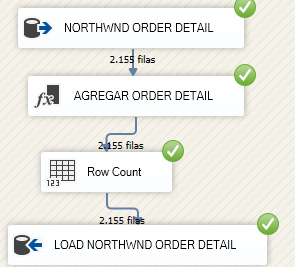
Seguir los pasos de crear variables y contar filas similares a **Cargar Productos**.

**MAPEAR VALORES**



EJECUCION



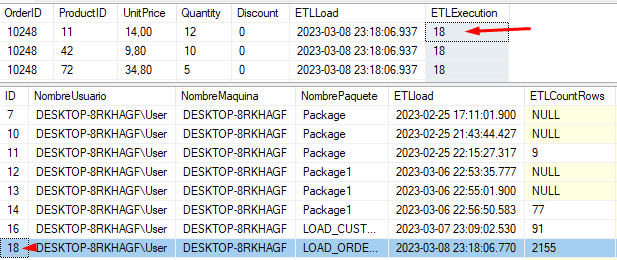


USE LOAD\_NORTHWND

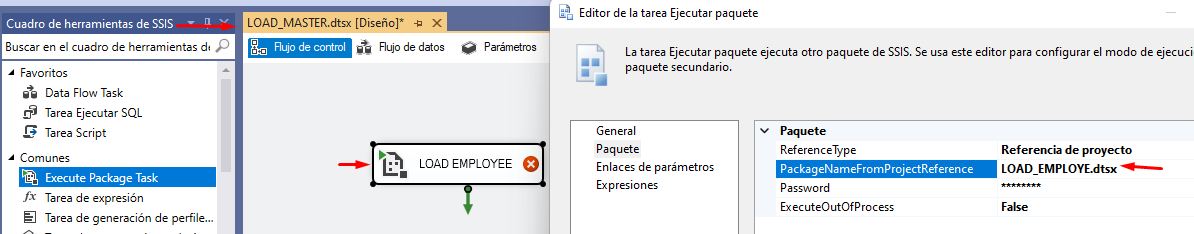
GO

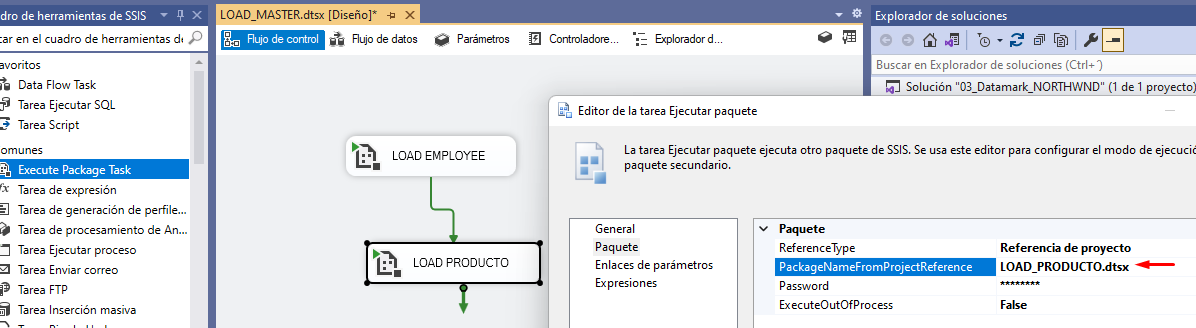
SELECT \* FROM [Order Details]

SELECT \* FROM [NORTHWND\_METADATA].[dbo].[ETLExecution]



# CARGA LOAD MASTER





**CARGAR TODOS LOS PAQUETES VISTOS**

