



UNIVERSIDAD PRIVADA DE TACNA

FACULTAD DE INGENIERIA

Escuela Profesional de Ingeniería de Sistemas

INFORME DE LABORATORIO N° 02
“Importacion, data flow, traslado de archivos”

Curso: Inteligencia de Negocios

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1. Objetivos

IMPORTAR DATOS USANDO EL WIZARD Y Desarrollar mis primeros PAQUETES DTSX

2. Requerimientos

Conocimientos

Para el desarrollo de esta práctica se requerirá de los siguientes conocimientos básicos:

- Conocimientos básicos de administración de base de datos Microsoft SQL Server.
- Conocimientos básicos de SQL.

Software

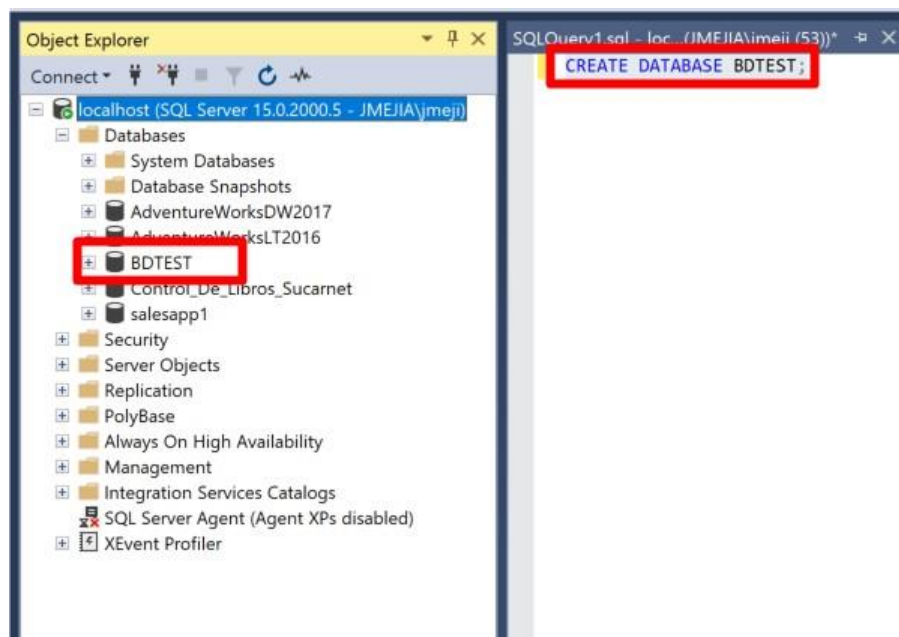
Asimismo se necesita los siguientes aplicativos:

- Microsoft SQL Server 2016 o superior
- Base de datos AdventureWorksLT2012 o superior
- SQL Server Intergration Services
- BD Adventure Work(OLTP Y DATAWAREHOUSE)

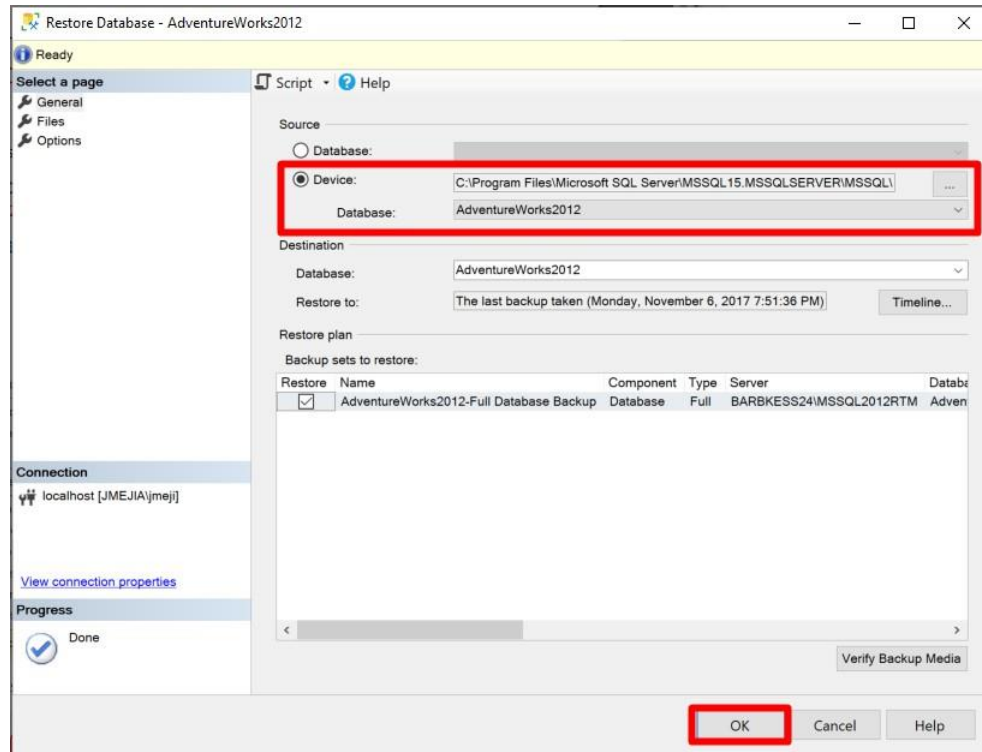
3. Desarrollo

3.1. TAREA 1: Importacion de Datos Usando El WIZARD – SQL MANAGMENT

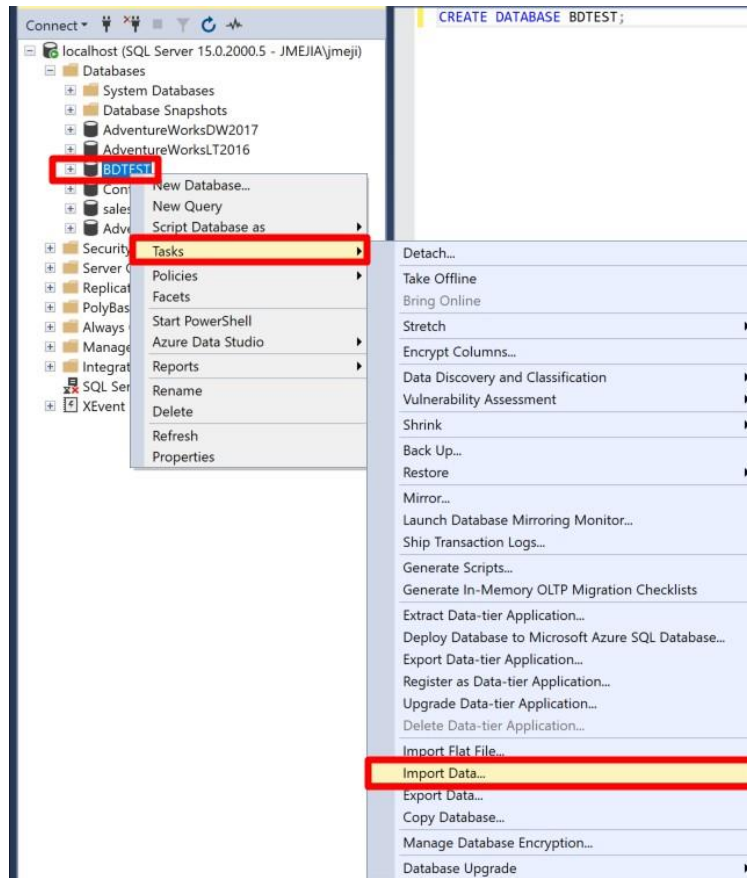
1. Crearemos una base de datos llamada BDTEST



2. Importamos la base de datos desde AdventureWorks.



3. Escribir el Servidor y seleccionar la base de datos



4. Data Source: La base de donde vamos a importar

SQL Server Import and Export Wizard

Choose a Data Source
Select the source from which to copy data.

Data source: SQL Server Native Client 11.0

Server name: localhost

Authentication
☒ Use Windows Authentication
☐ Use SQL Server Authentication
User name:
Password:

Database: AdventureWorks2012 Refresh

Help < Back **Next >** Finish >> Cancel

5. Destination: La Base donde vamos a cargar los datos

SQL Server Import and Export Wizard

Choose a Destination
Specify where to copy data to.

Destination: SQL Server Native Client 11.0

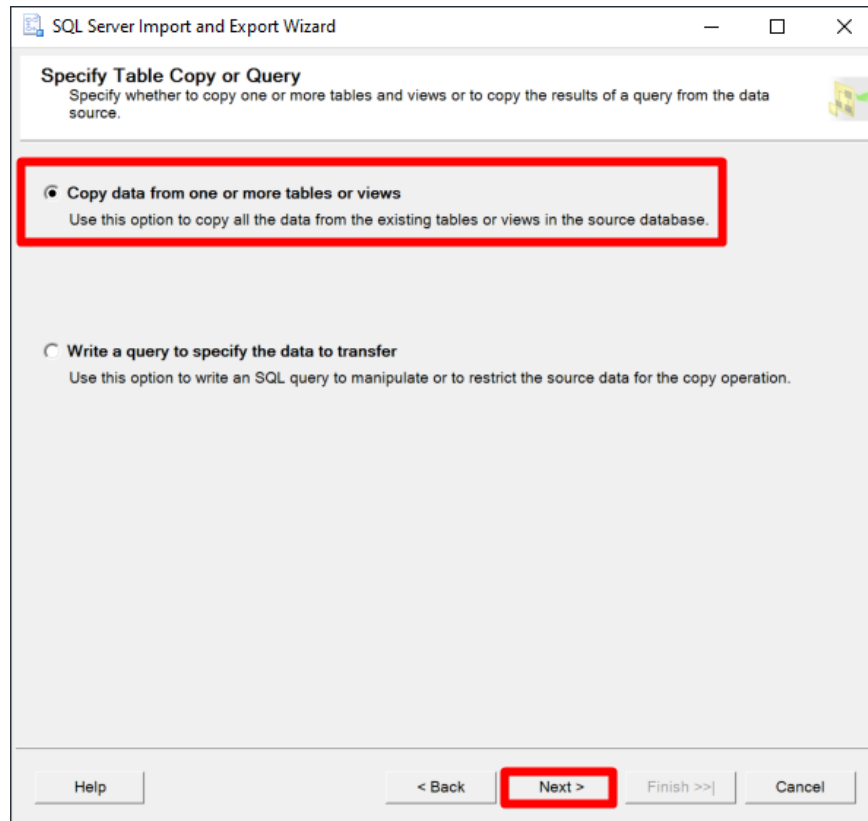
Server name: localhost

Authentication
☒ Use Windows Authentication
☐ Use SQL Server Authentication
User name:
Password:

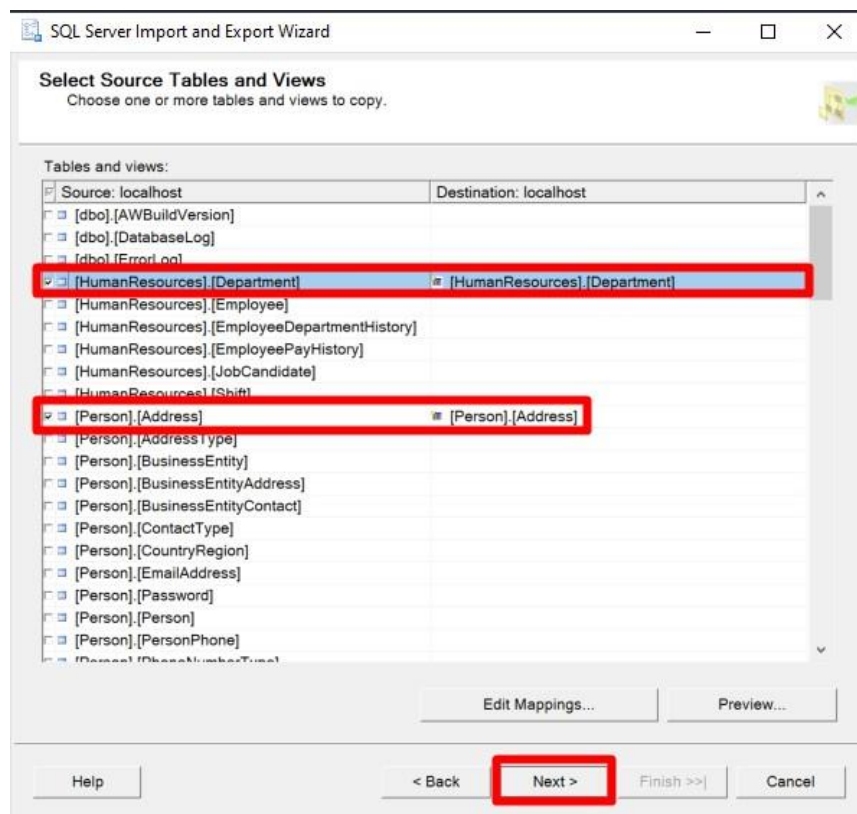
Database: BDTEST Refresh
New...

Help < Back **Next >** Finish >> Cancel

6. Especificar si se realizará copia o consulta, en este caso elejimos copia.



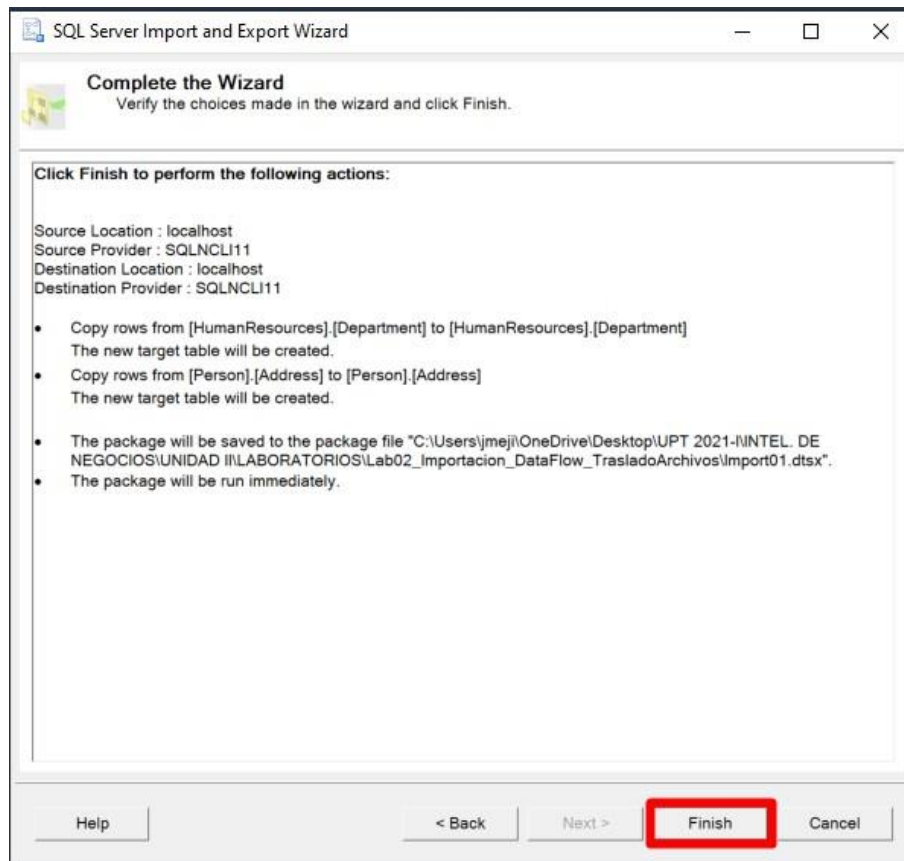
7. Seleccionamos las tablas HumanResources y Person



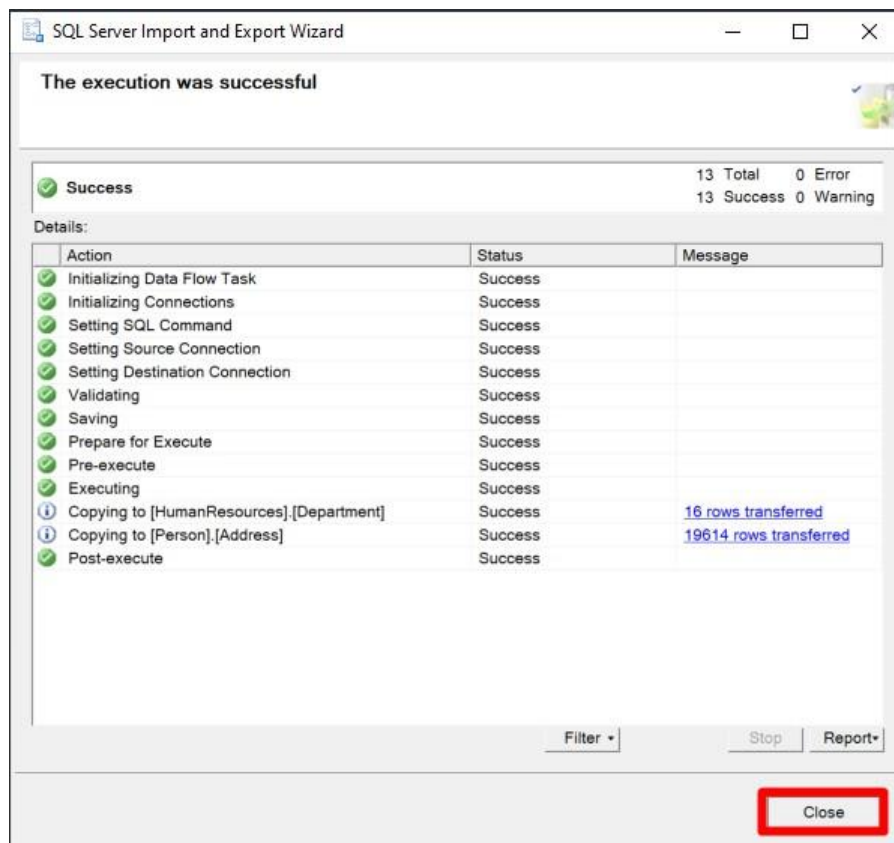
8. Guardamos y ejecutamos.

The screenshot shows the 'Save and Run Package' step of the SQL Server Import and Export Wizard. The window title is 'SQL Server Import and Export Wizard'. The main heading is 'Save and Run Package' with the instruction 'Indicate whether to save the SSIS package.' Below this, there are two checked checkboxes: 'Run immediately' and 'Save SSIS Package'. Under 'Save SSIS Package', there are two radio buttons: 'SQL Server' (unselected) and 'File system' (selected). Below these, there is a 'Package protection level:' section with a dropdown menu set to 'Encrypt sensitive data with user key'. There are also input fields for 'Password:' and 'Retype password:'. At the bottom, there are buttons for 'Help', '< Back', 'Next >' (highlighted with a red box), 'Finish >>', and 'Cancel'.

The screenshot shows the 'Save SSIS Package' step of the SQL Server Import and Export Wizard. The window title is 'SQL Server Import and Export Wizard'. The main heading is 'Save SSIS Package' with the instruction 'You can save the SSIS package for reuse. You must save the package to schedule it for later execution.' Below this, there are input fields for 'Name:' (containing 'Import01') and 'Description:' (containing 'SSIS Package Description'). The 'Target:' is set to 'File System'. Below these, there is a 'File name:' section with a text box containing 'C:\Users\jmej\OneDrive\Desktop\UPT 2021-INTEL. DE NEGOCIOS\UNIDAD II\LABORATO' and a 'Browse...' button. At the bottom, there are buttons for 'Help', '< Back', 'Next >' (highlighted with a red box), 'Finish >>', and 'Cancel'.

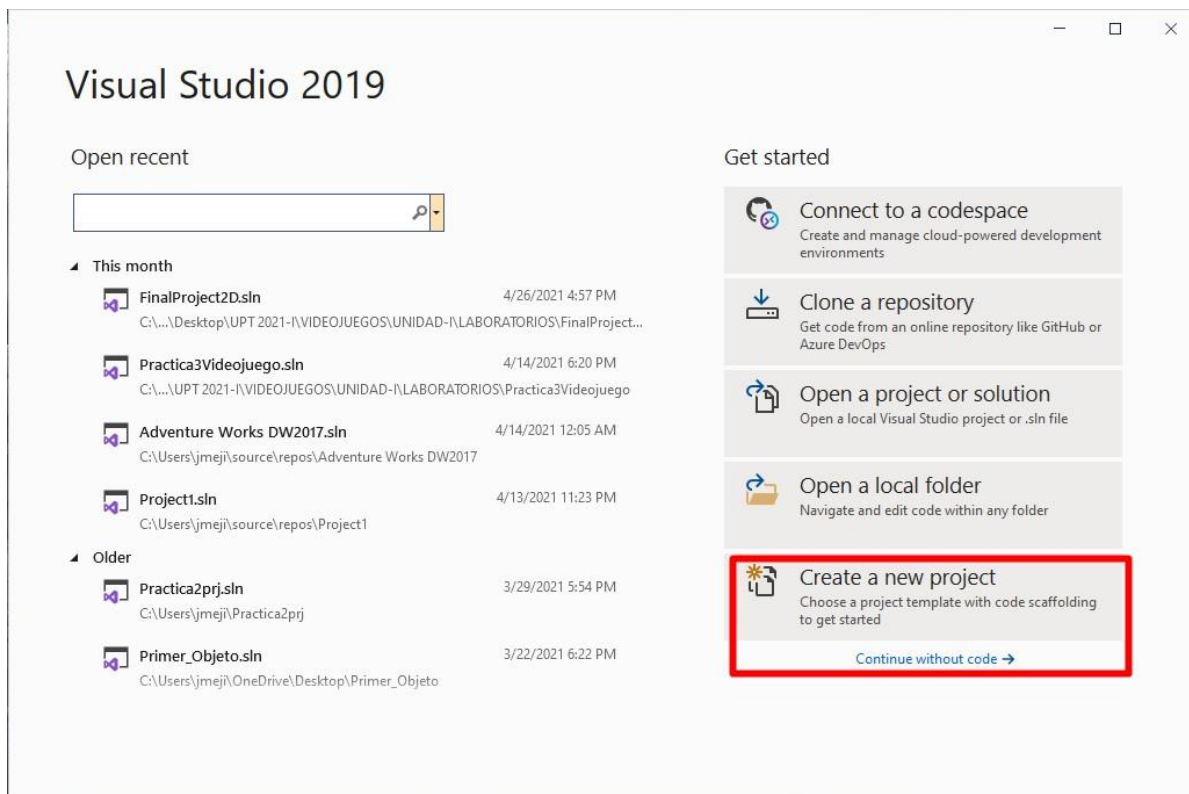
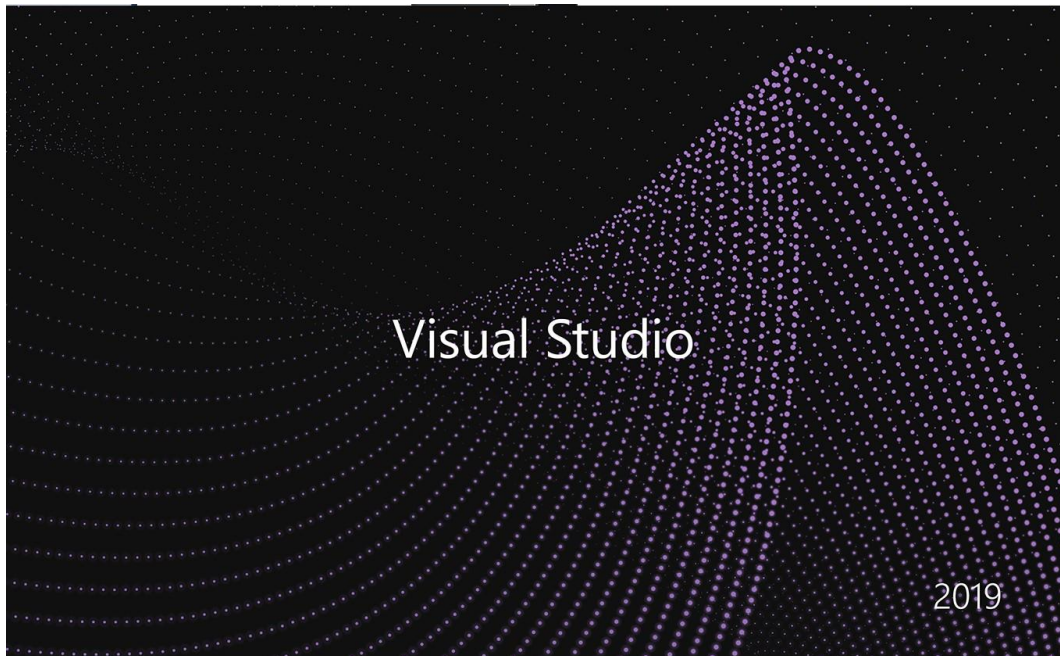


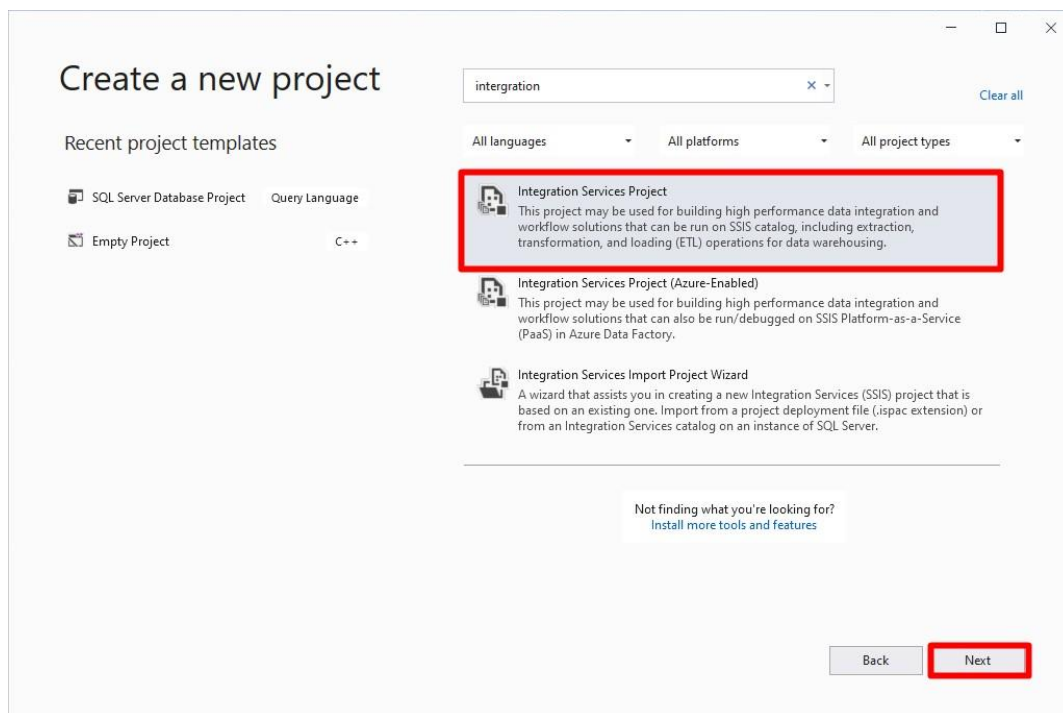
9. Se observa que se realizó correctamente la ejecución



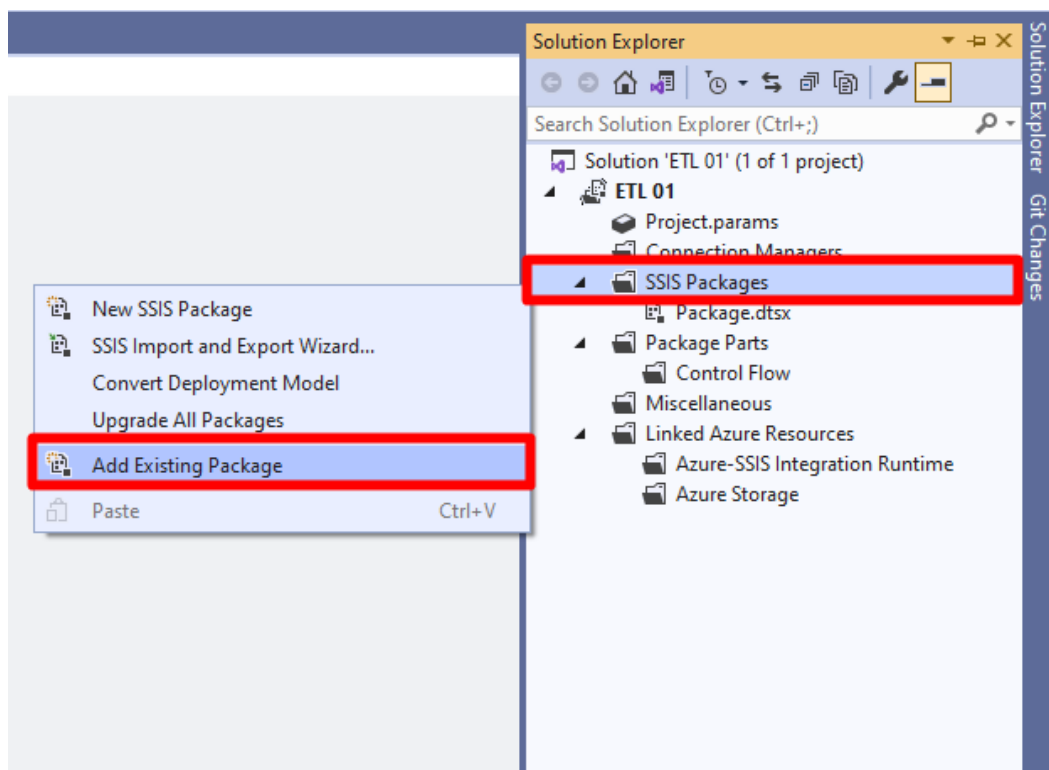
3.2. TAREA 2: Creamos Nuestro Primer PAQUETE DTSX

1. Abrimos un Nuevo Proyecto en nuestro Visual Basic





2. En la ventana nueva, seccion Solucion Explorer, Agrego el paquete generado antes.



Add Copy of Existing Package

Specify the location of the package to be added.

Package location: File System

Server:

Authentication

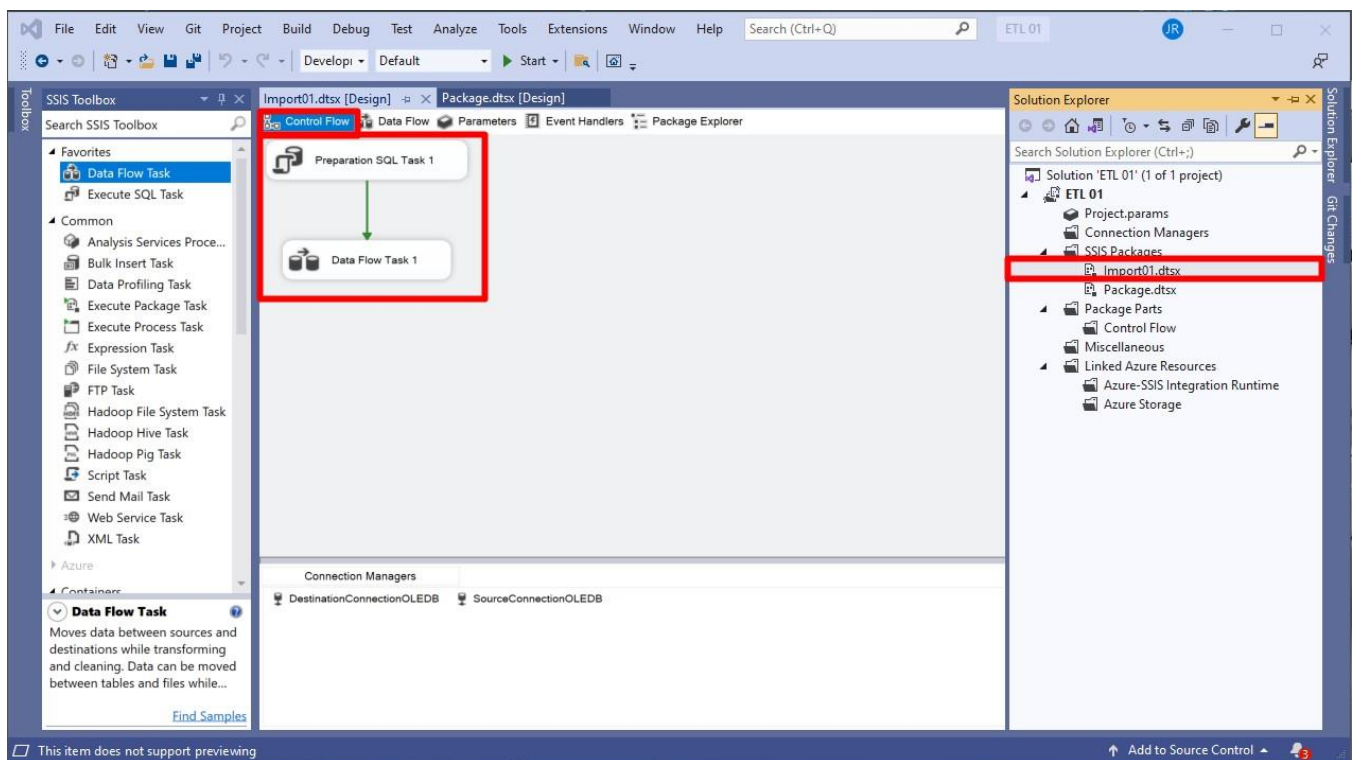
Authentication type: Windows Authentication

User name:

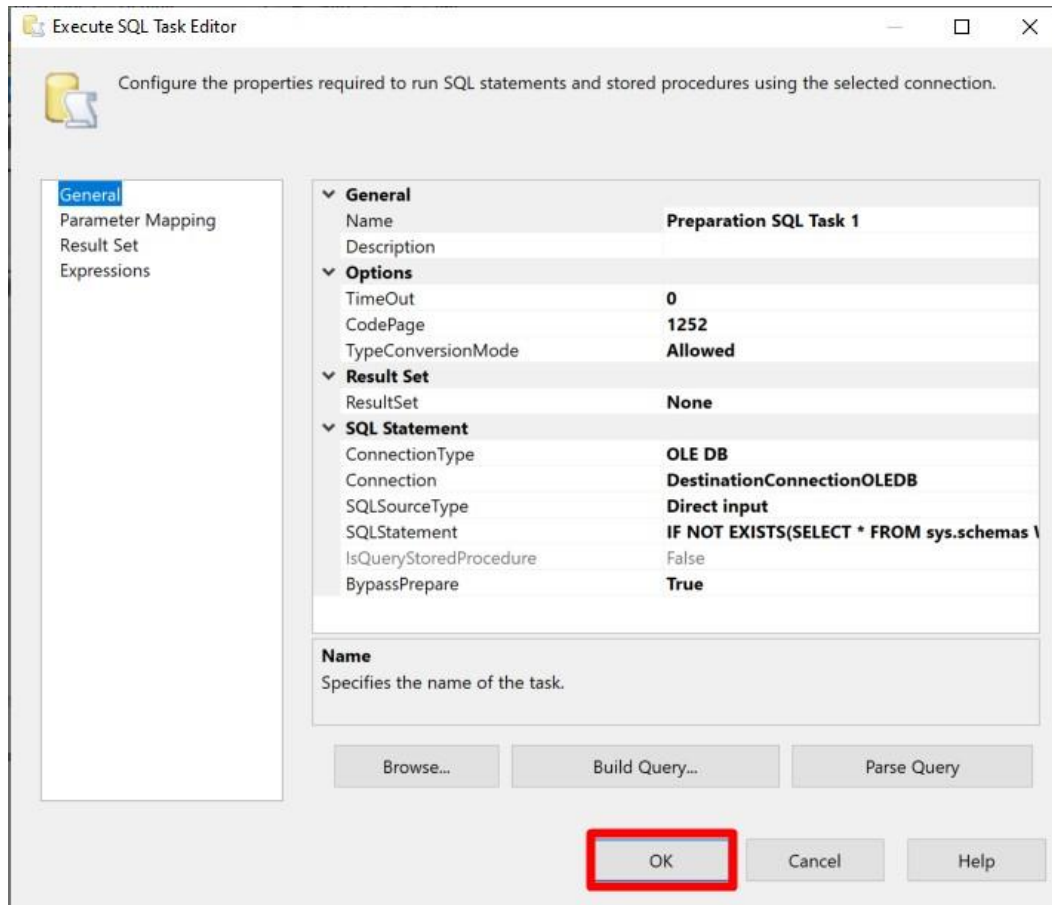
Password:

Package path: C:\Users\jmeji\OneDrive\Desktop\UPT 2021-1\INTEL. D ...

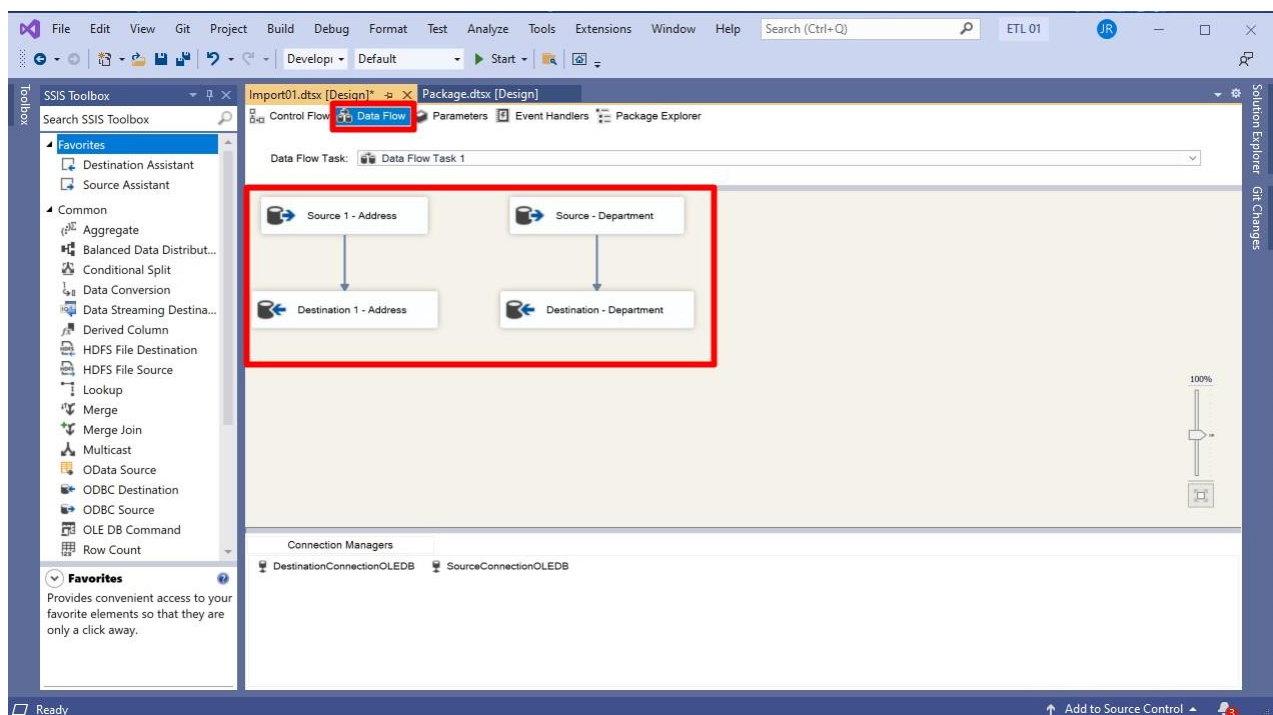
OK Cancel Help



3. Observamos las características obtenidas

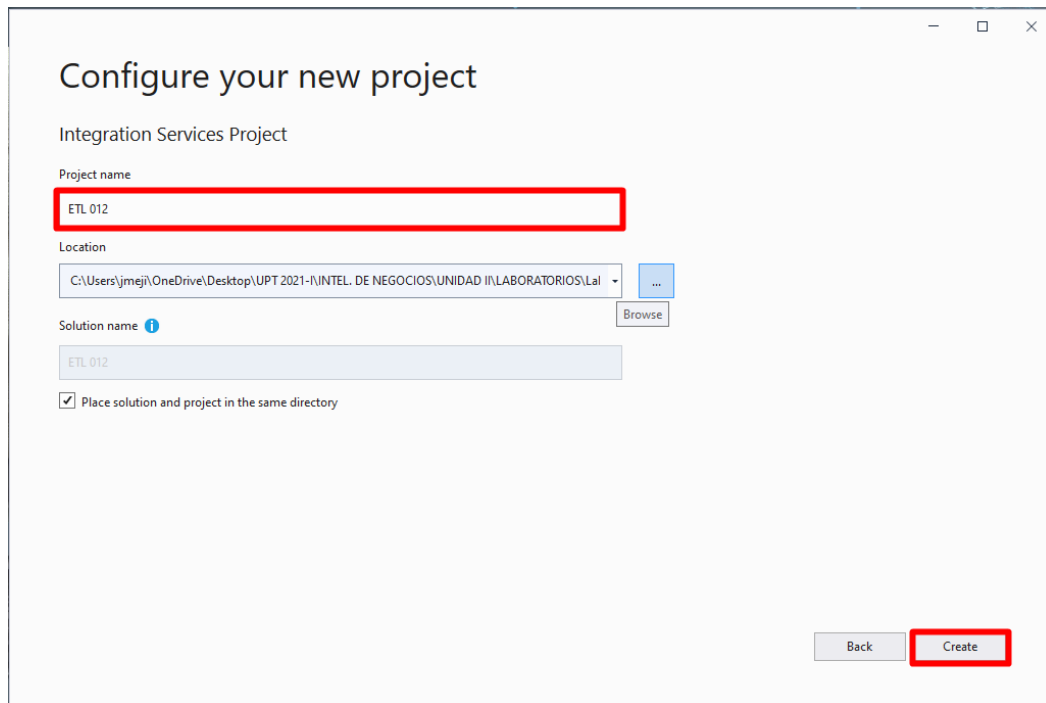


4. En la siguiente ventana mostramos el paquete que se ha importado.

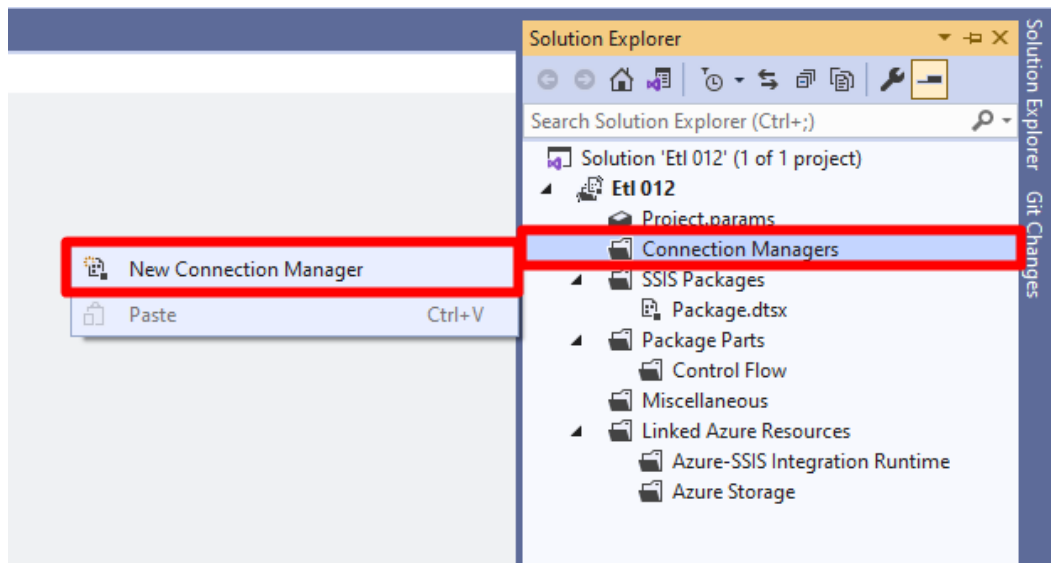


MI PRIMER PAQUETE, Muestra la cantidad de Registros de una Tabla

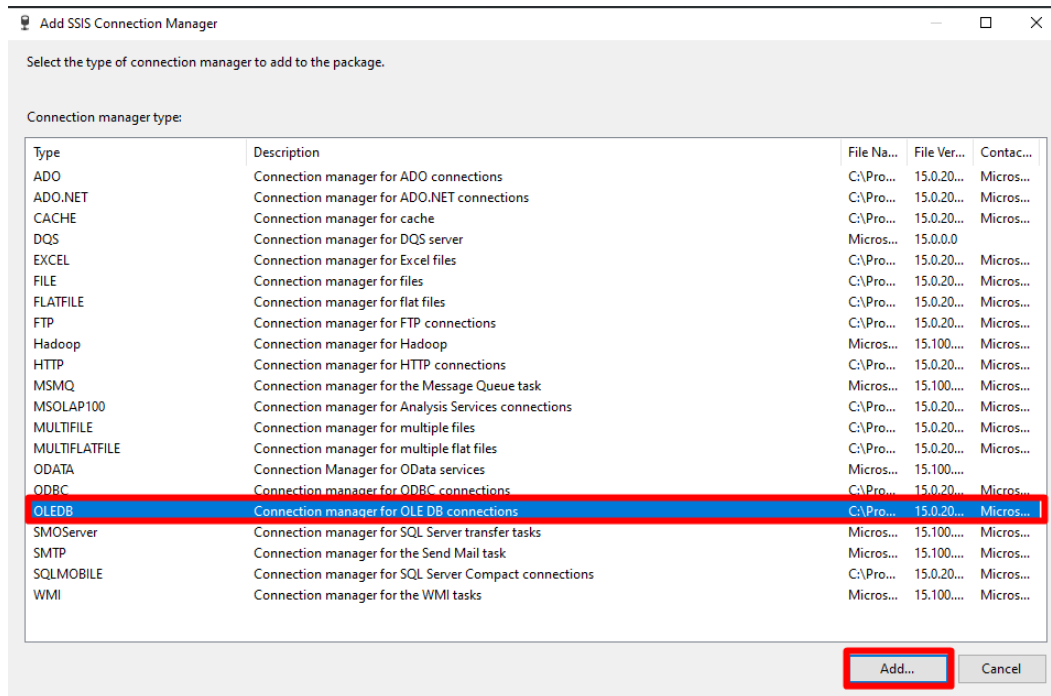
1. Creacion de Proyecto Intergration Services.



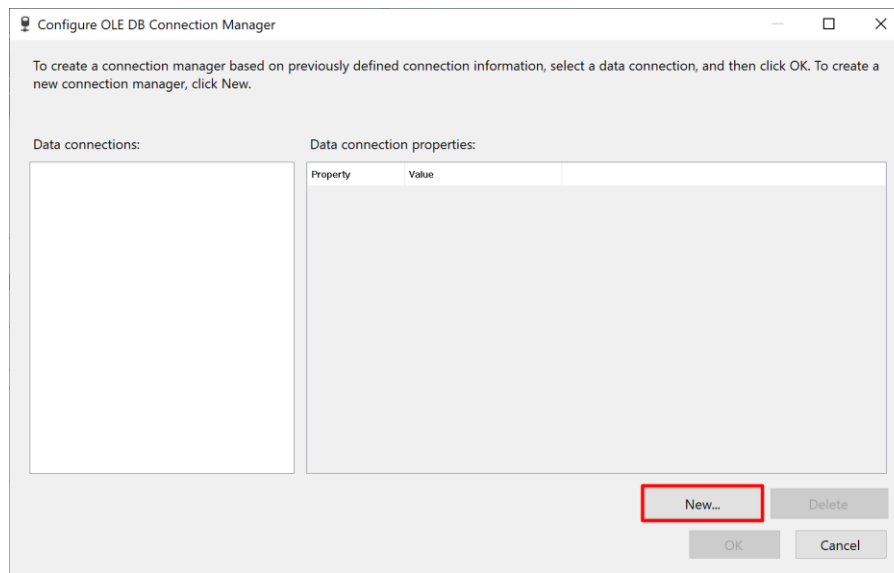
2. Creacion una conexion OLEDB para la base de datos AdventureWorks.



3. Selección de OLEDB como Driver de Conexión BD



4. Insertar el Server, Base de Datos y Testear.



Connection Manager

Provider: Native OLE DB\SQL Server Native Client 11.0

Server name: localhost 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: AdventureWorks2012

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

Test Connection OK Cancel Help

Connection Manager

Test connection succeeded.

Copy message OK

Configure OLE DB Connection Manager

To create a connection manager based on previously defined connection information, select a data connection, and then click OK. To create a new connection manager, click New.

Data connections: localhost.AdventureWorks2012

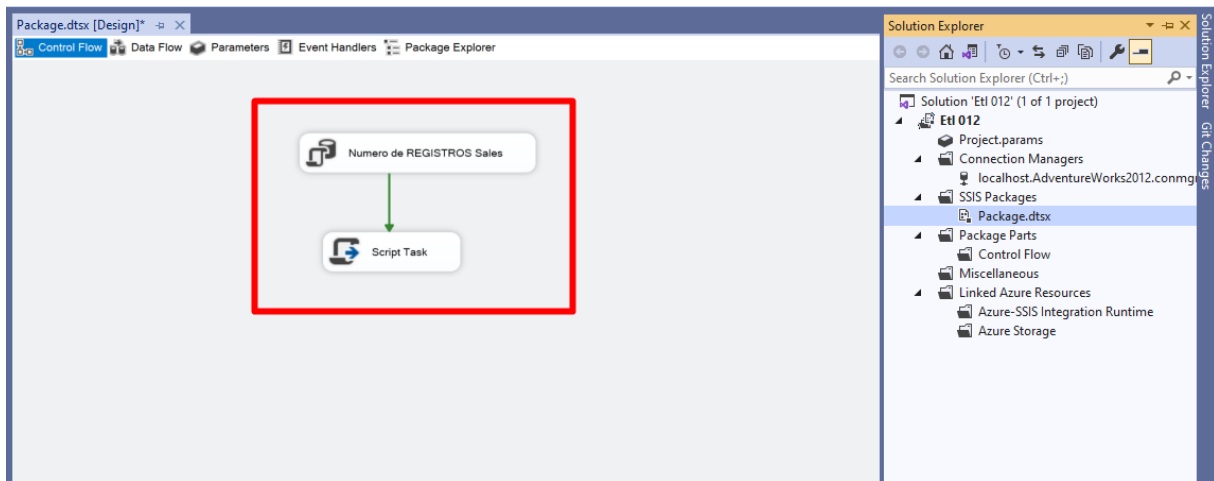
Data connection properties:

Property	Value
Data Source	localhost
Initial Catalog	AdventureWorks2012
Integrated Security	SSPI
Provider	SQLNCLI11.1

New... Delete OK Cancel

Insertar: Execute SQL Task y Script Task

1. Insertar los controles, Execute SQL Task Y Script Task.



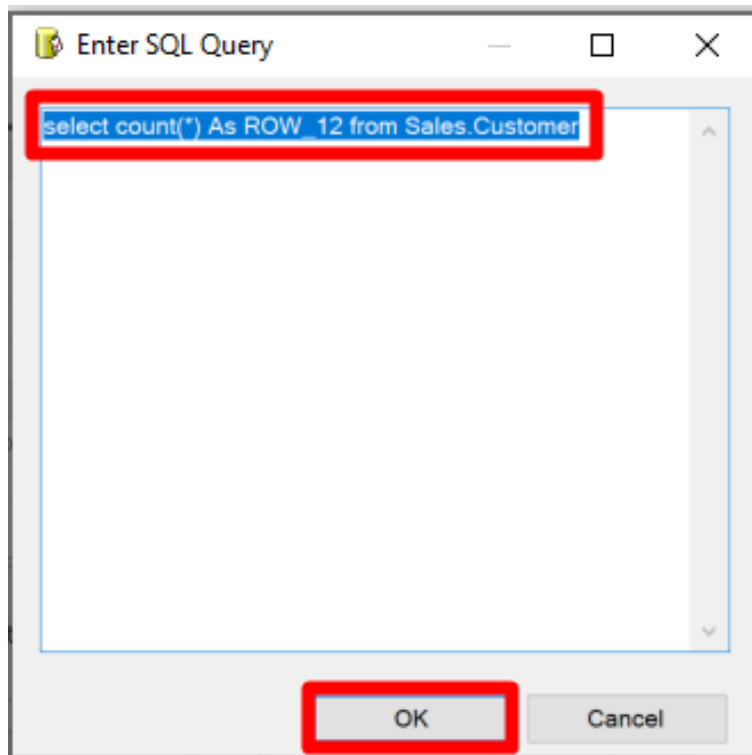
2. Seleccionar:

ResultSet = "Single row".

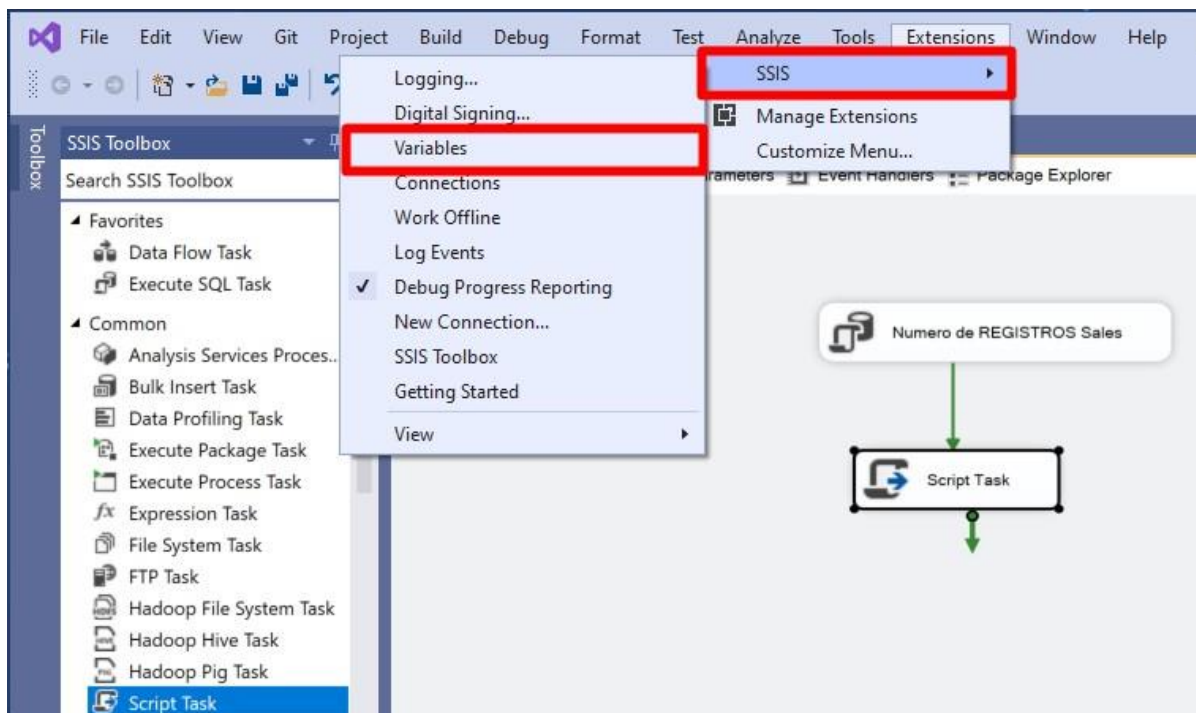
ConnectionType="OLE DB" junto con la conexión ya configurada.

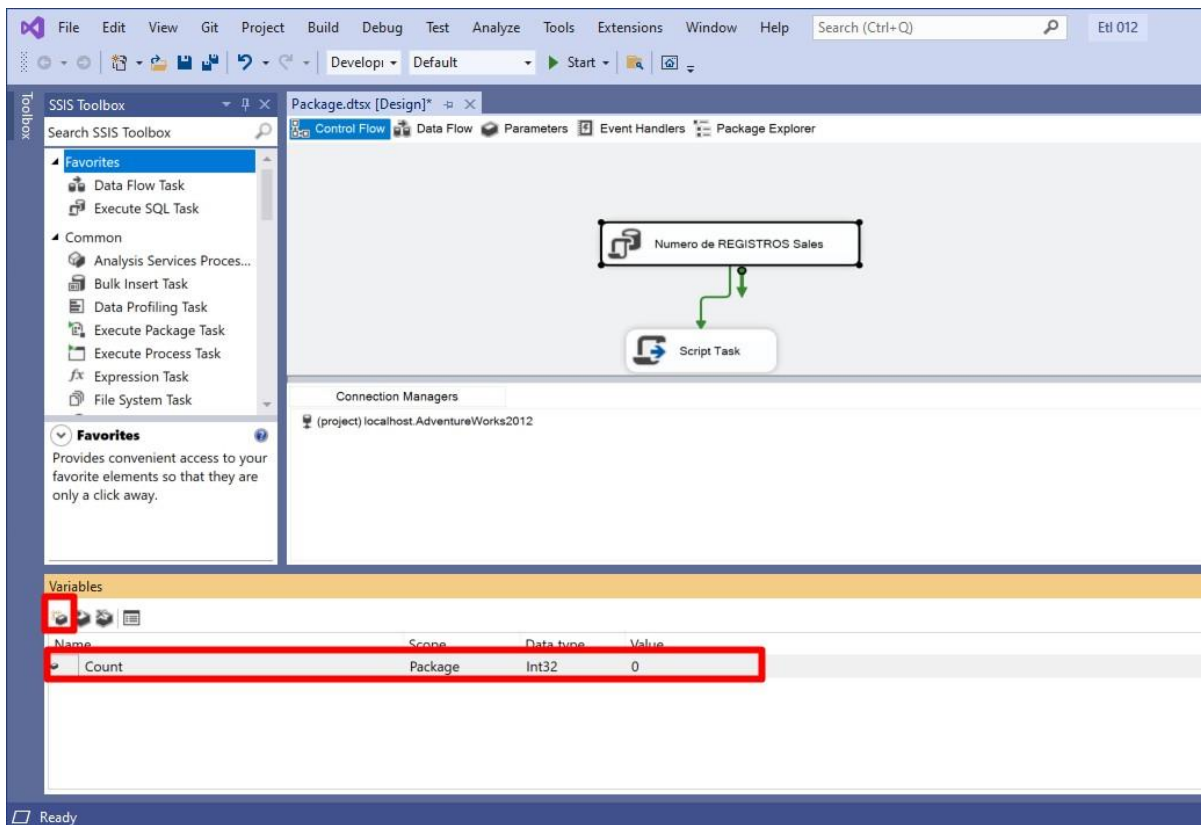
Digitar la Query.

The 'Execute SQL Task Editor' dialog box is shown with the 'General' tab selected. The task name is 'Numero de REGISTROS Sales' and the description is 'Execute SQL Task'. The 'Options' section includes 'TimeOut' (0), 'CodePage' (1252), and 'TypeConversionMode' (Allowed). The 'Result Set' section shows 'ResultSet' set to 'Single row'. The 'SQL Statement' section displays the following properties: 'ConnectionType' (OLE DB), 'Connection' (localhost.AdventureWorks2012), 'SQLSourceType' (Direct input), 'SQLStatement' (select count(*) As ROW_12 from Sales.Custo), 'IsQueryStoredProcedure' (False), and 'BypassPrepare' (True). The 'BypassPrepare' section explains that it indicates whether the task should prepare the query before executing it. The 'OK' button is highlighted with a red rectangle.

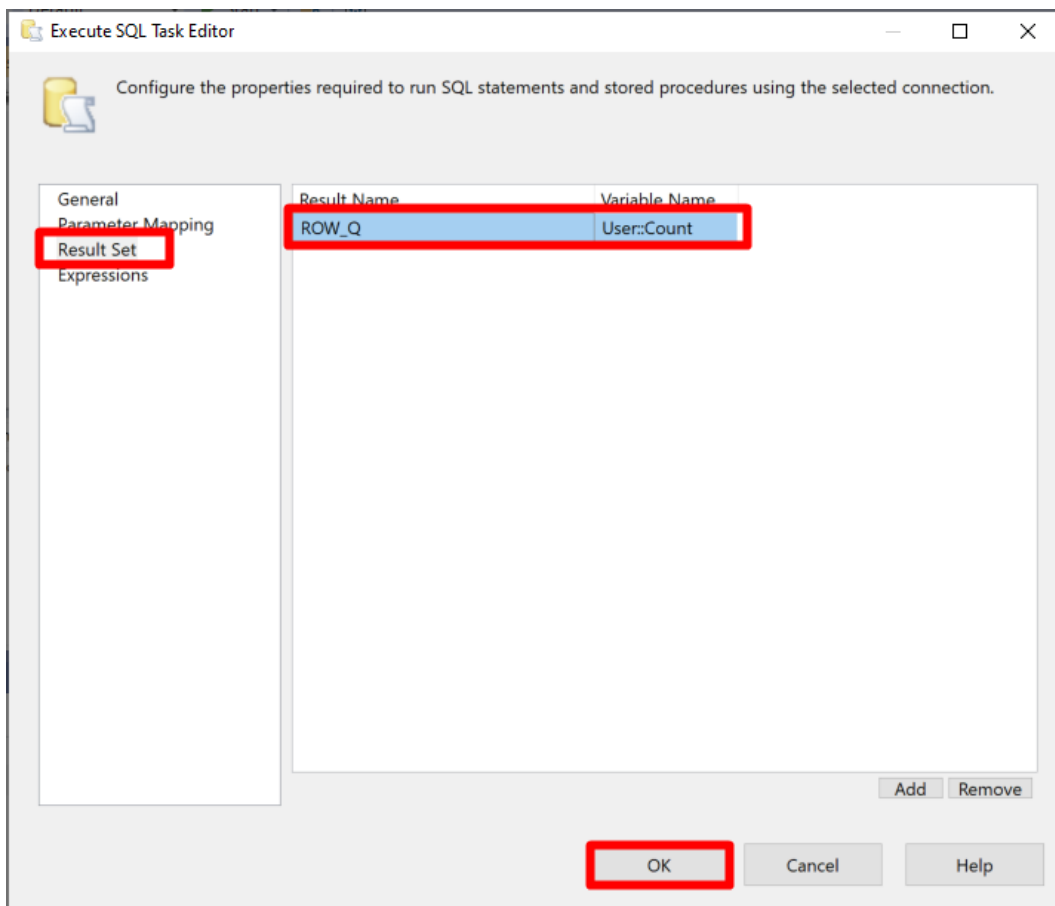


3. Crear la Variable.

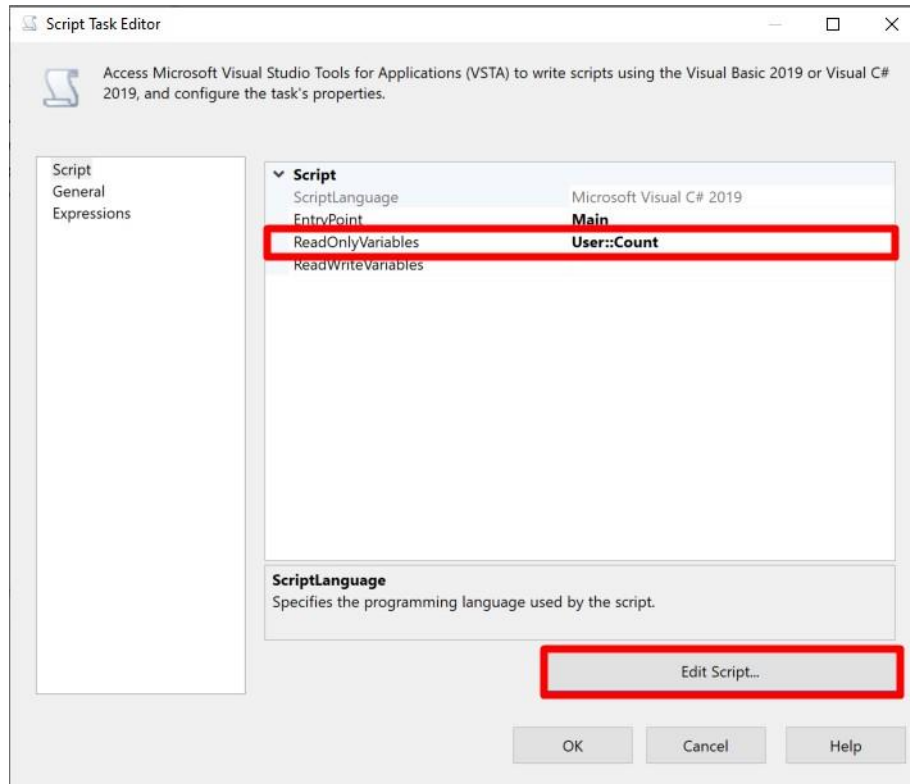




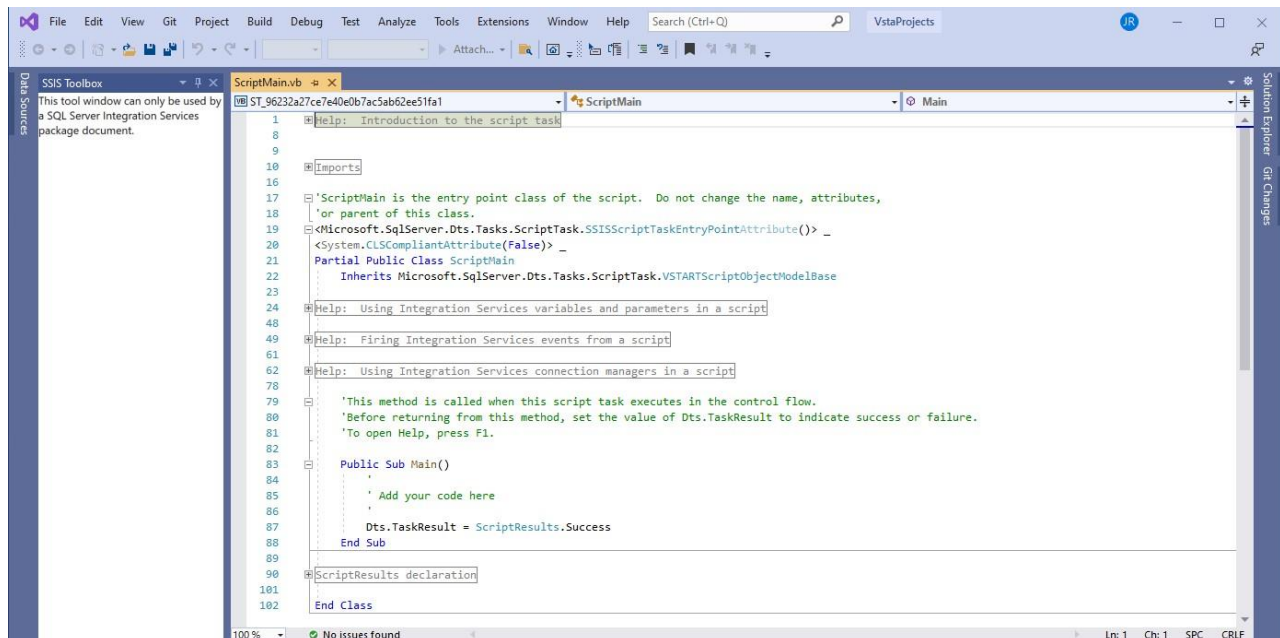
4. Asignar la variable en "Numero de Registros Sales".



5. EDITAR COMPONENTE “Script Task Editor”



6. Insertar este código “MsgBox(Dts.Variables(0).Value, MsgBoxStyle.Information)”



```
ScriptMain.vb* x
ST_96232a27ce7e40e0b7ac5ab62ee51fa1 ScriptMain Main
1 Help: Introduction to the script task
2
3
4
5 Imports
6
7
8 'ScriptMain is the entry point class of the script. Do not change the name, attributes,
9 'or parent of this class.
10
11 <Microsoft.SqlServer.Dts.Tasks.ScriptTask.SSISScriptTaskEntryPointAttribute(> _
12 <System.CLSCompliantAttribute(False)> _
13 Partial Public Class ScriptMain
14 Inherits Microsoft.SqlServer.Dts.Tasks.ScriptTask.VSTARTScriptObjectModelBase
15
16 Help: Using Integration Services variables and parameters in a script
17
18 Help: Firing Integration Services events from a script
19
20 Help: Using Integration Services connection managers in a script
21
22 'This method is called when this script task executes in the control flow.
23 'Before returning from this method, set the value of Dts.TaskResult to indicate success or failure.
24 'To open Help, press F1.
25
26 Public Sub Main()
27 ' Add your code here
28
29 Dts.TaskResult = ScriptResults.Success
30 MsgBox(Dts.Variables(0).Value, MsgBoxStyle.Information)
31 End Sub
32
33 ScriptResults declaration
34
35 End Class
```

7. Guardamos el proyecto y EJECUTAMOS Y LISTO.

