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# Knowledge Base Article

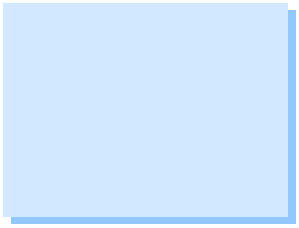
Product Group: Software
Product: SQL Server database file
Version:

## Abstract

This article discusses how to create a process to automate data extraction from an Analyst database using SQL Server Integration Services (SSIS) and an export utility.

## Overview

This document provides instructions on how to extract custom data from an Analyst database using SSIS packages and the scheduling tool provided by SQL Server Management Studio (SSMS) to place data in a CSV type file within a designated folder. It uses a “Serica” project as an example.



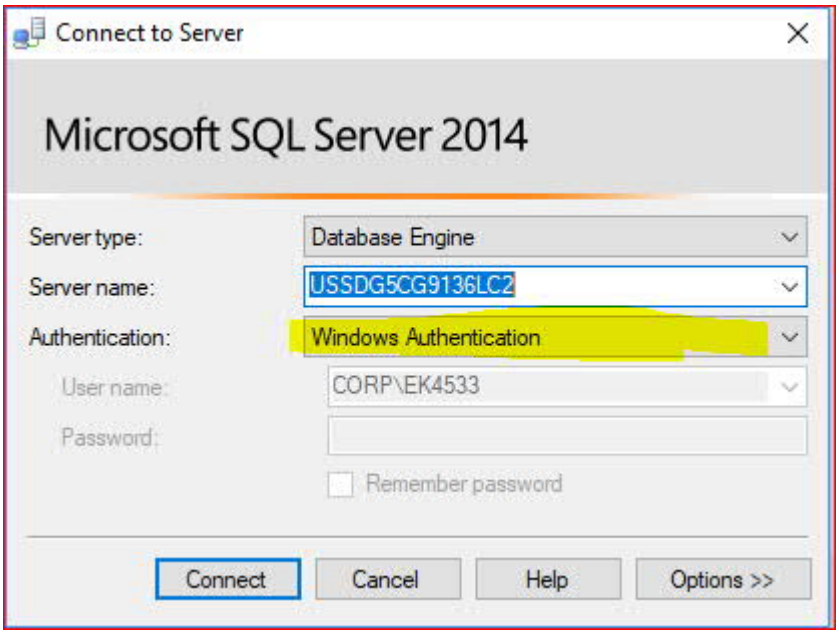
## Create the Get Serica Data procedure

1. **Connect**
   Connect to Management Studio as “skfuser1”.
   Note: If the local database user is something other than skfuser1 then use that name.
2. **Create a new query**
   a. Click on the “New Query” button to open a query window.
   b. Copy and paste the code from the attached file “Get_Serica_Data.sql” into the query window.

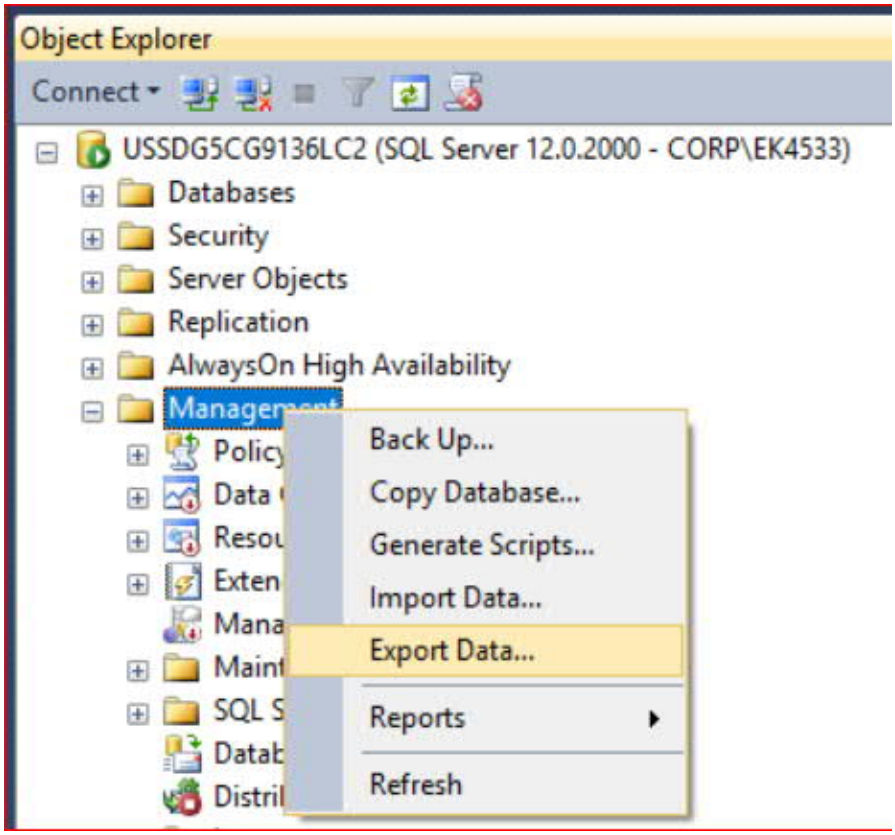
Get_Serica_Data.sql

   c. Click the “Execute” button to create the procedure.
3. **Disconnect**
   Disconnect user and close the query window.

1. **Connect**
   Now connect to Management Studio as a Windows Authentication user.




2. **Open the Export Data wizard**
   a. Right click on “Management” and select “Export Data…” from the menu

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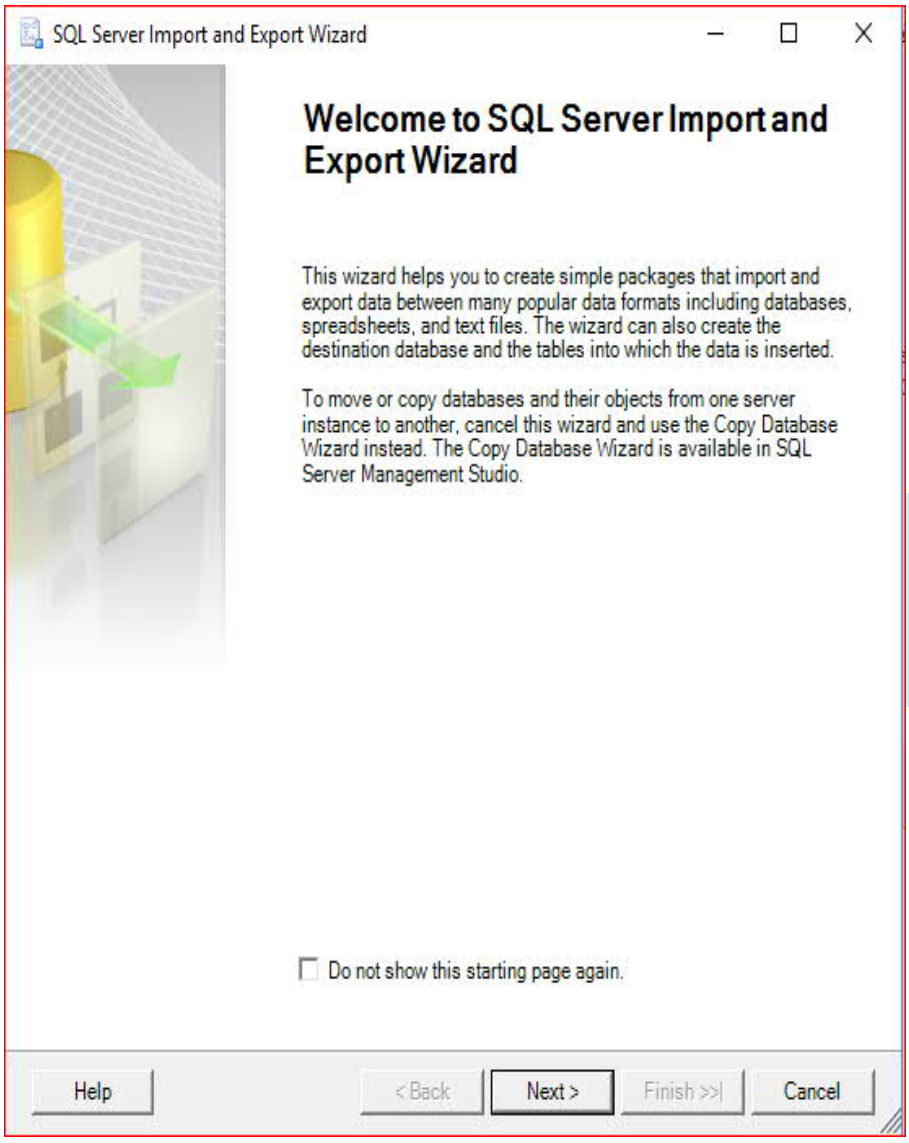
b. Click the “Next >” button on the welcome screen shown below.


SQL Server Import and Export Wizard
Welcome to SQL Server Import and Export Wizard
This wizard helps you to create simple packages that import and export data between many popular data formats including databases, spreadsheets, and text files. The wizard can also create the destination database and the tables into which the data is inserted.
To move or copy databases and their objects from one server instance to another, cancel this wizard and use the Copy Database Wizard instead. The Copy Database Wizard is available in SQL Server Management Studio.
Do not show this starting page again.
Help
< Back
Next >
Finish >>|
Cancel

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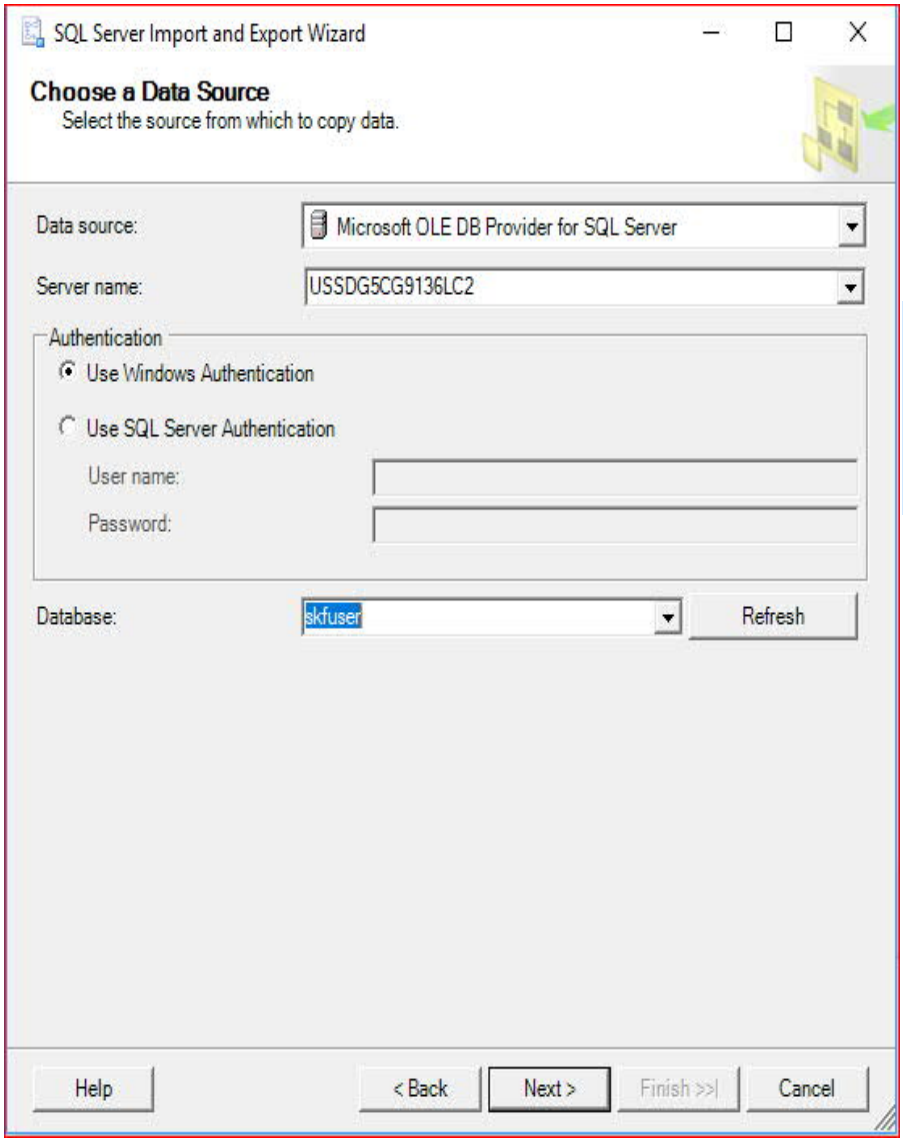
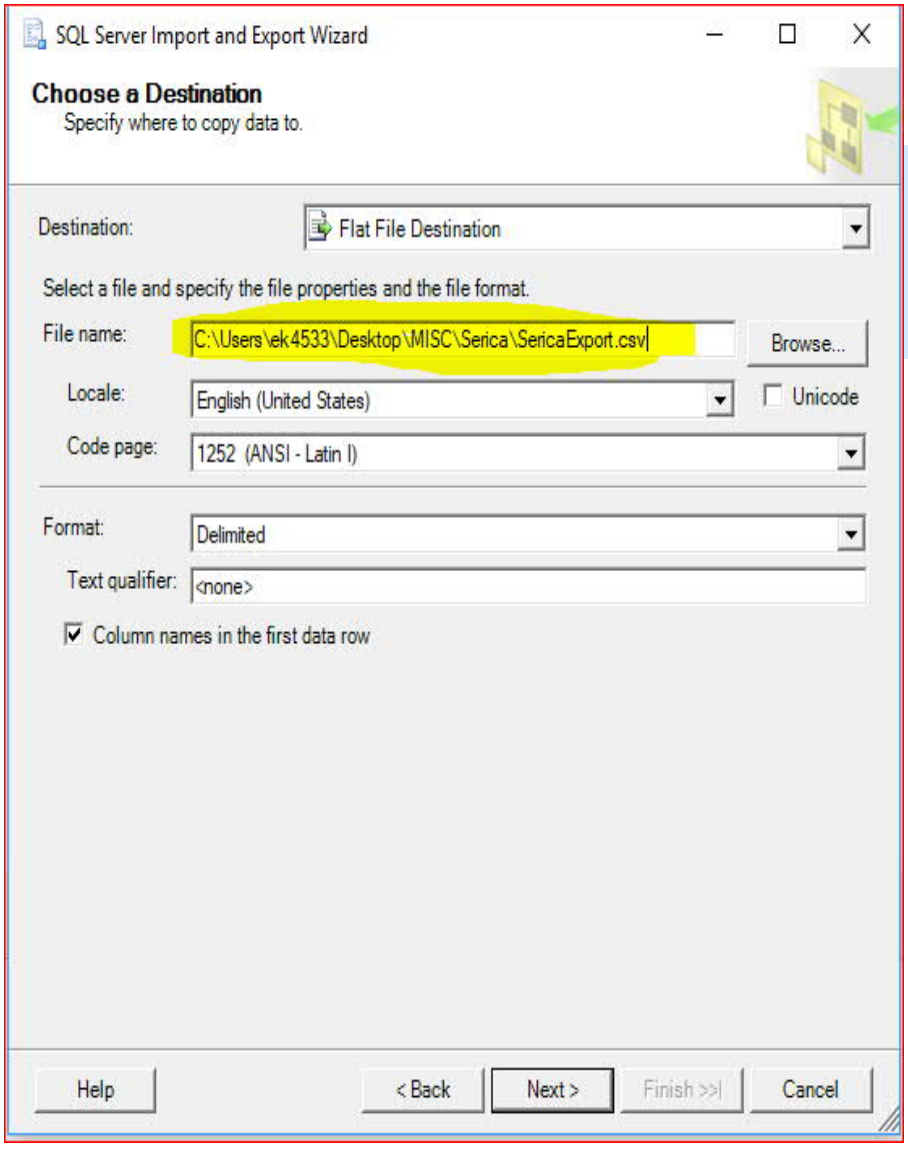
3. **Choose a Data Source screen**
   Make sure to replace the examples below with the actual information for Server name, Database etc.¶



4. **Choose a Destination screen**

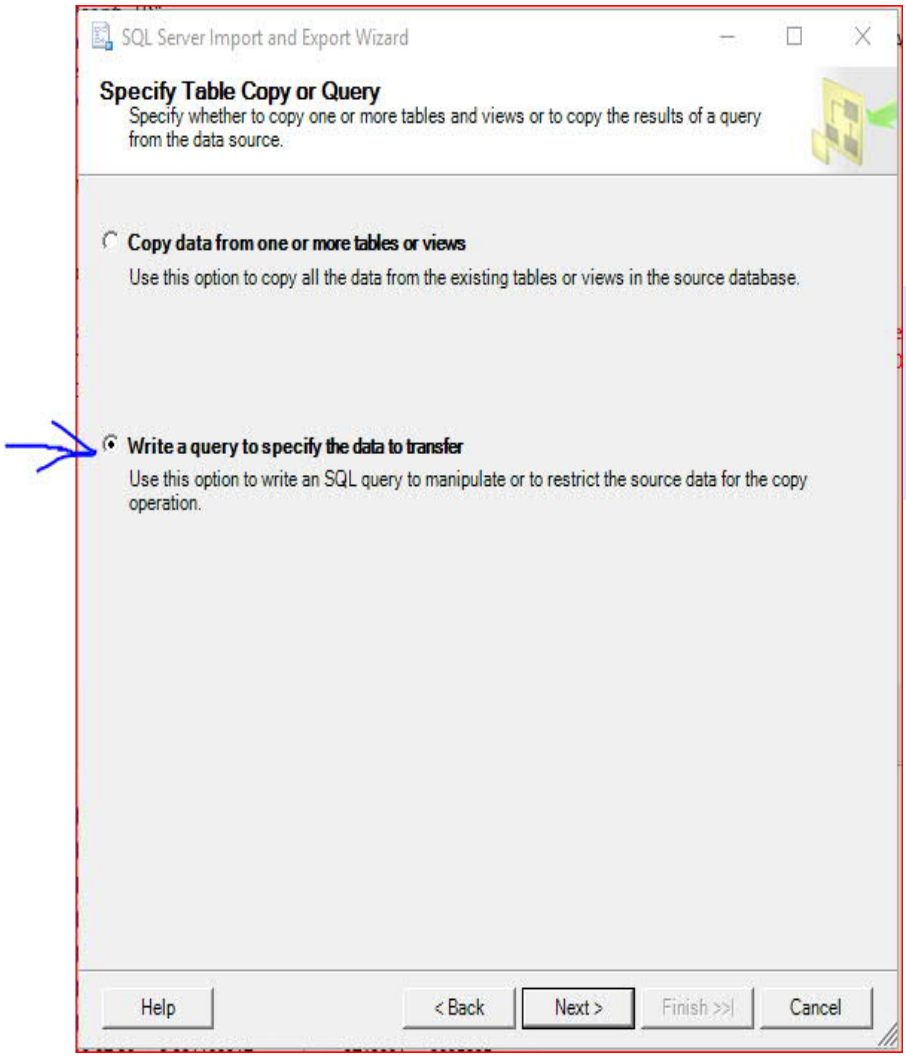
Replace the example path highlighted below in yellow, with the location where the file should be exported to.

Note: The inclusion of column names is optional. If they are not wanted then uncheck the “Column names” checkbox in the lower “Format” area.¶



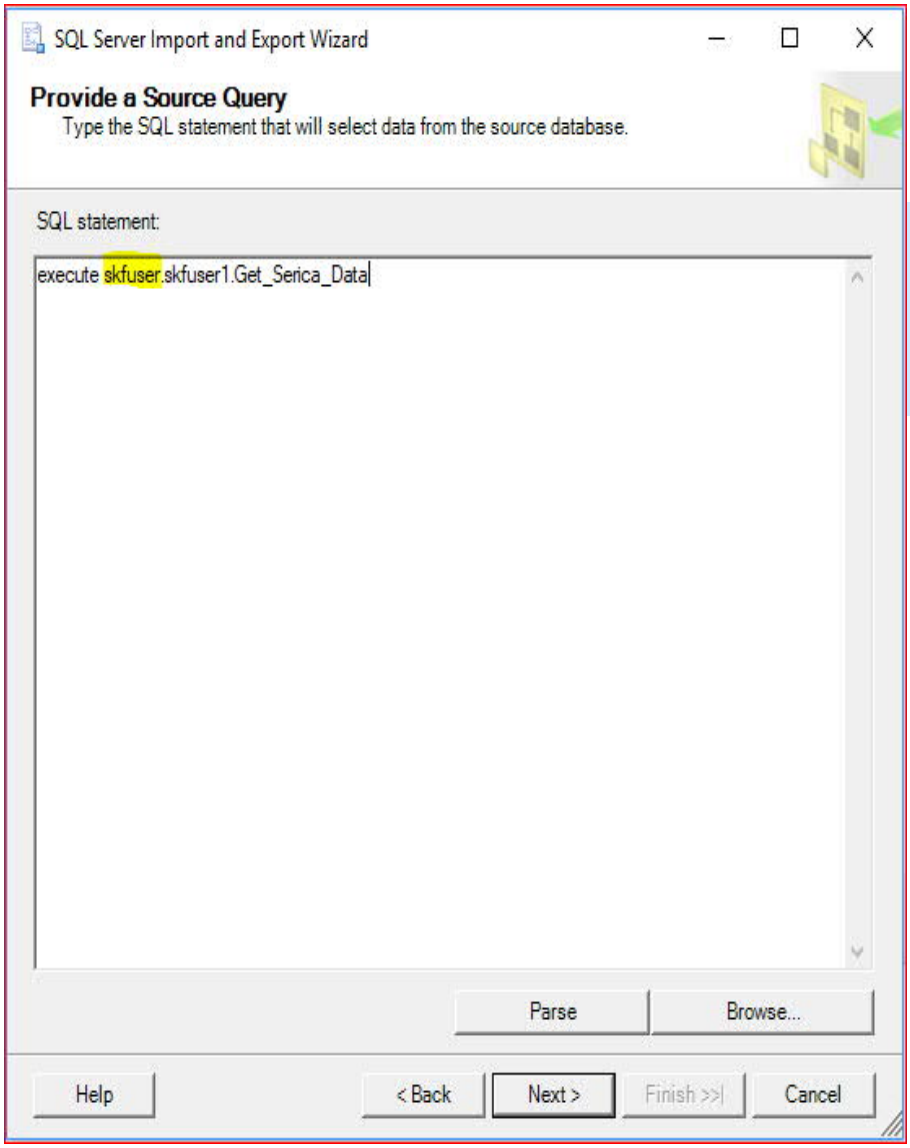
## 4. Specify Table Copy or Query

a. Click on the “Write a query” option¶.
b. Then click the “Next >” button.¶



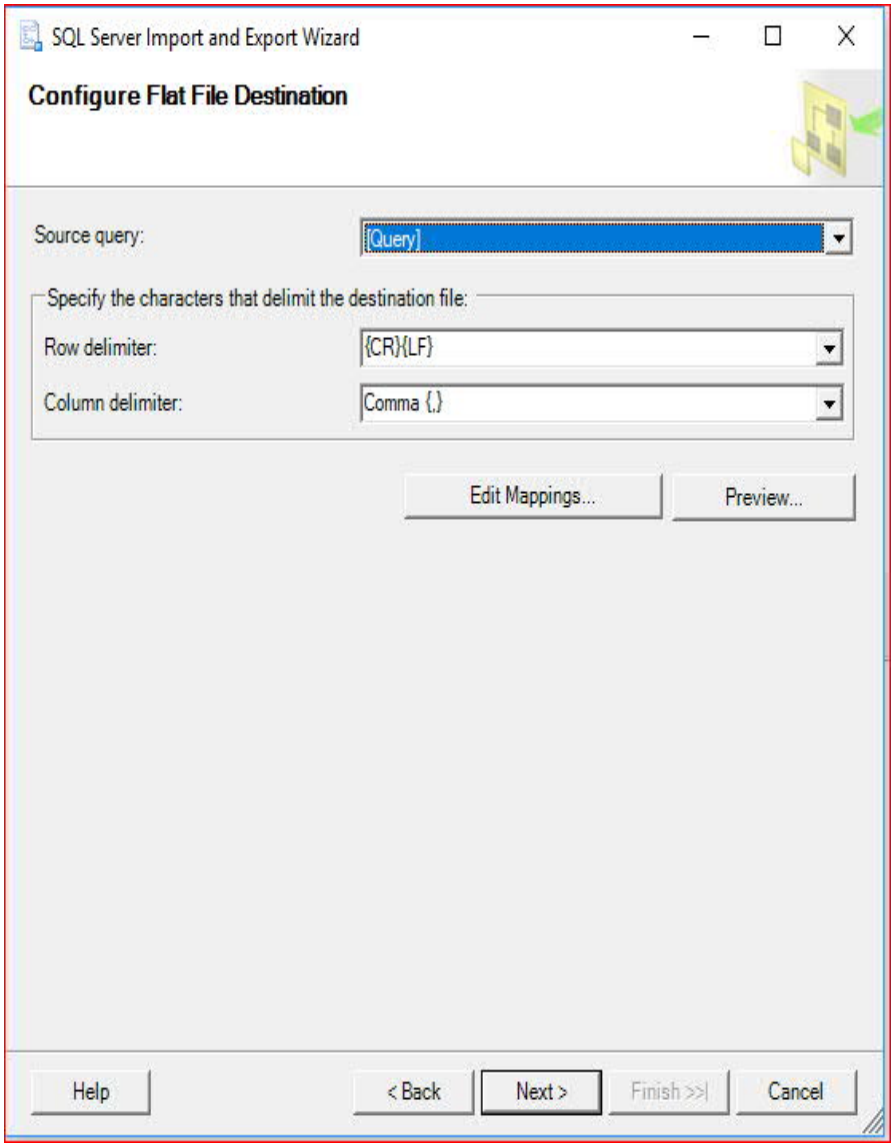
5. **Provide a Source Query screen**

   a. Type the code shown, inside the “SQL statement” area. Note: Make sure to use the actual database name if it is something other than “skfuser”.
   b. Then click the “Next >” button.¶



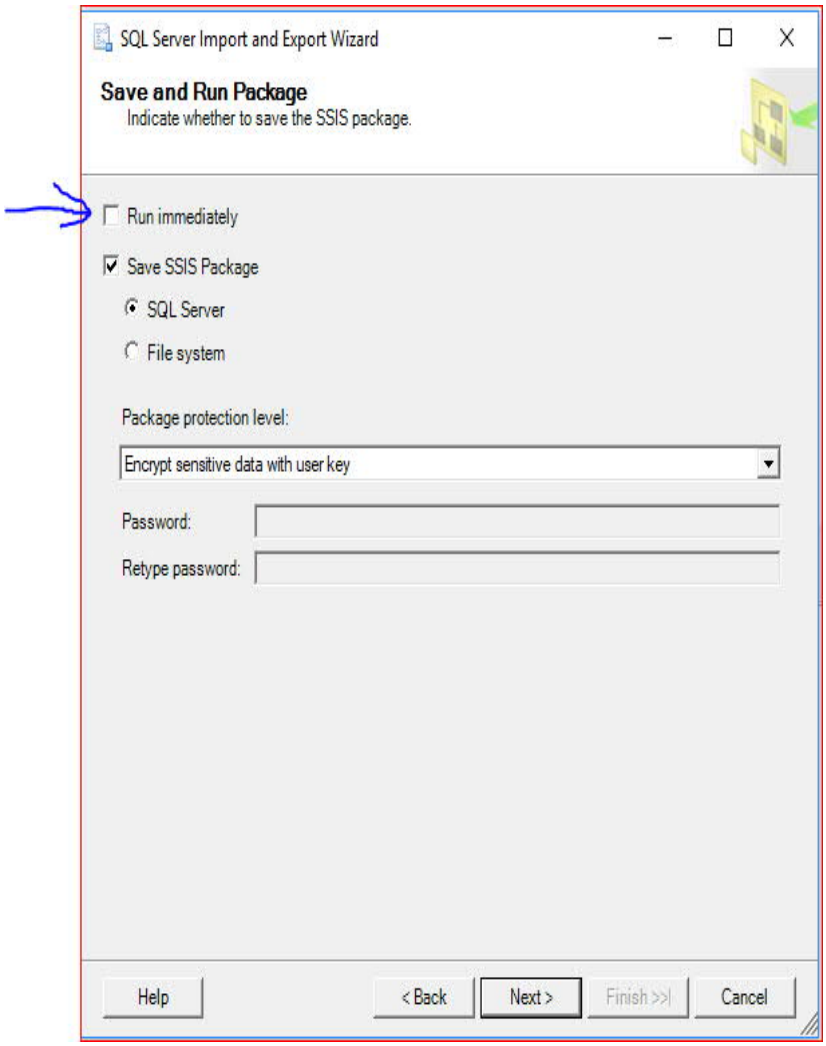
## 6. Configure Flat File Destination screen

a. Click “Preview…” to view the results.
b. When ready, click the “Next >” button.



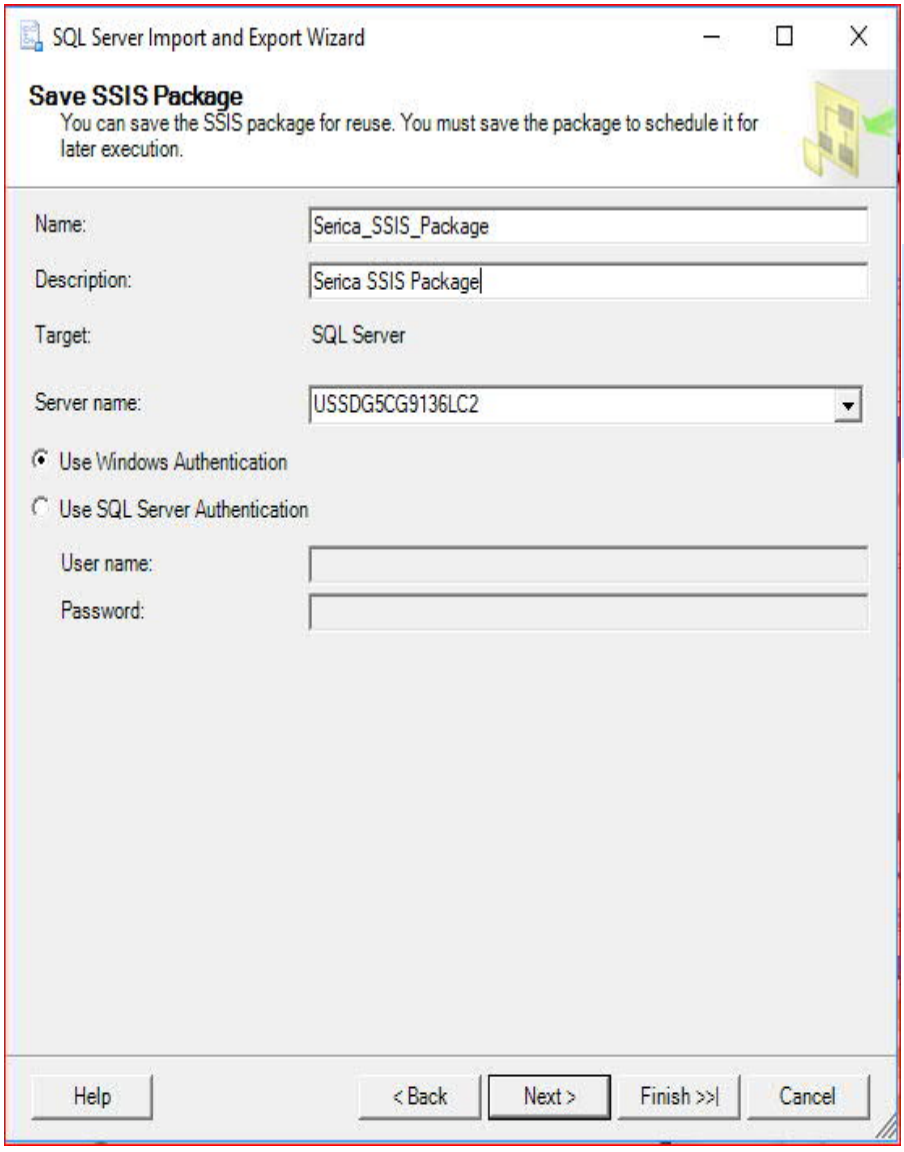
## 7. Save and Run Package screen

a. Make sure to uncheck the “Run immediately” checkbox.
b. Then click the “Next >” button.¶



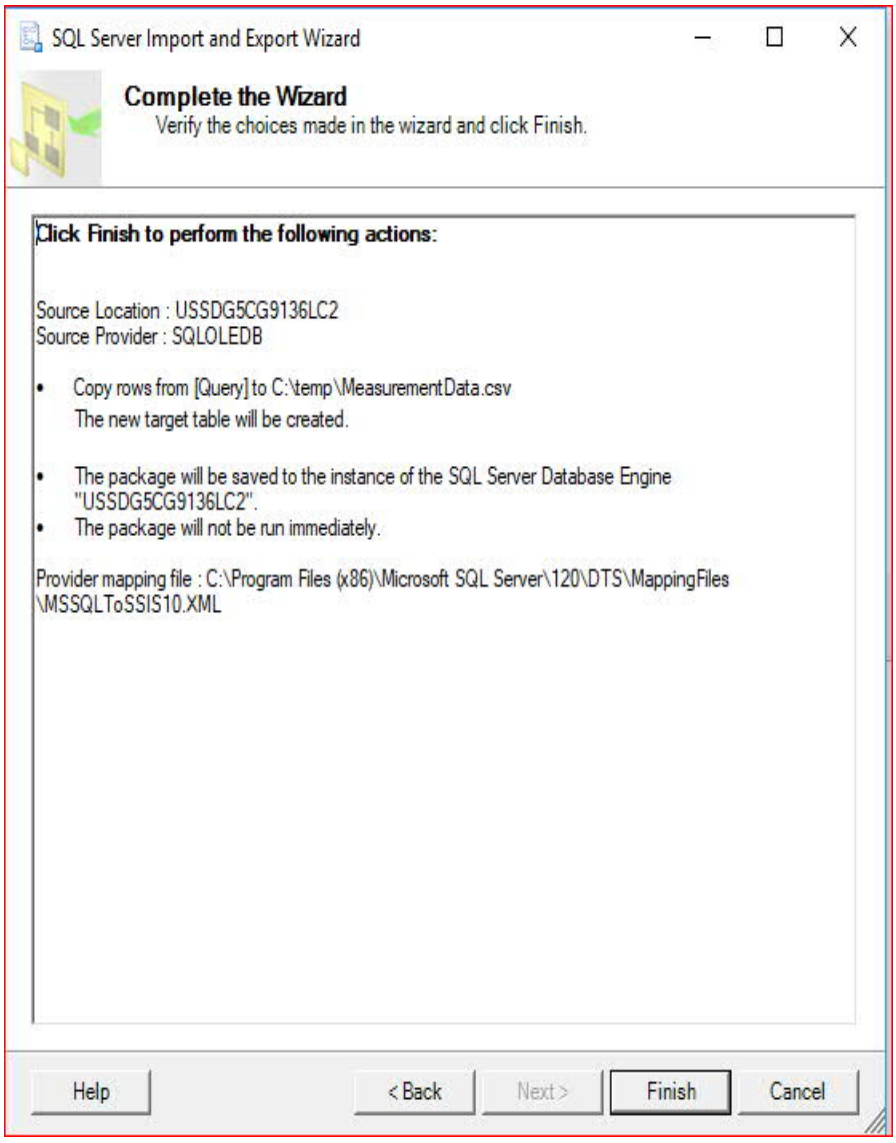
8. **Save SSIS Package screen**

   a. Fill in the information shown in the screen capture below but using the appropriate Server name.
   b. Then click the “Next >” button.¶



## 9. Complete the Wizard screen

Click the “Finish” button¶



## 10. Create Serica Project using Integration Services

a. Open Management Studio and in the Server type drop-down choose: “Integration Services”.

b. Click “Connect”.
Note: This may require starting the SSIS service using the Services console/app.

c. Right click on “Integration Services Catalogs” and select “Create Catalog”.

Note: If disabled execute the code in the file “Enable_Create_Catalog.txt”.
Copy and paste the code then execute as a Windows Authentication user.

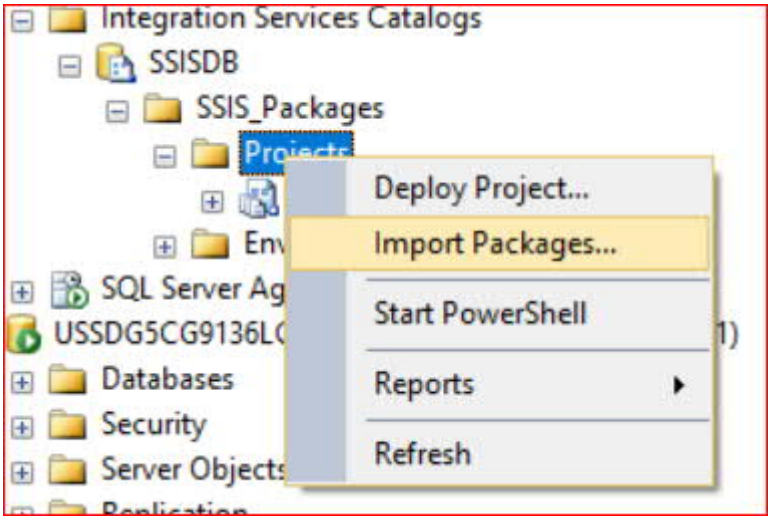
Enable_Create_Catalog.txt

d. Follow the on-screen instructions (creating a password if required).

e. Follow the steps through, to create the project: “Serica Project”.

## 11. Import Serica package into Projects

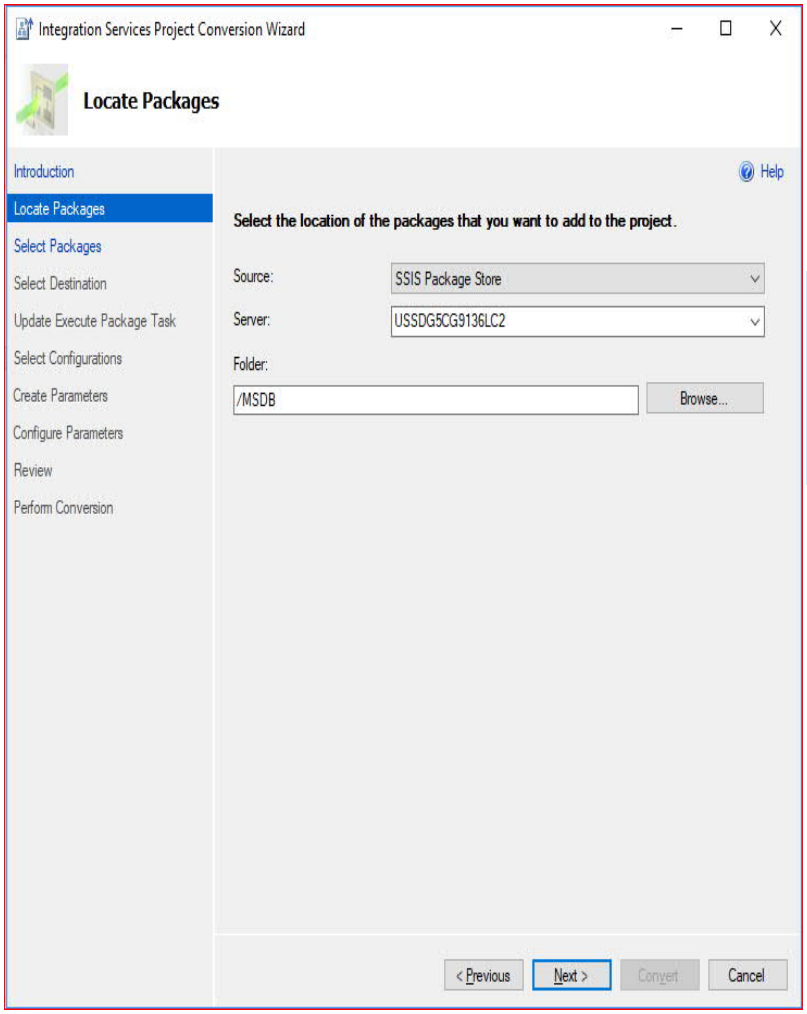
**a.** Right click on “Projects” and select “Import Packages…”.




**b.** **Introduction**
Click the “Next >” button.

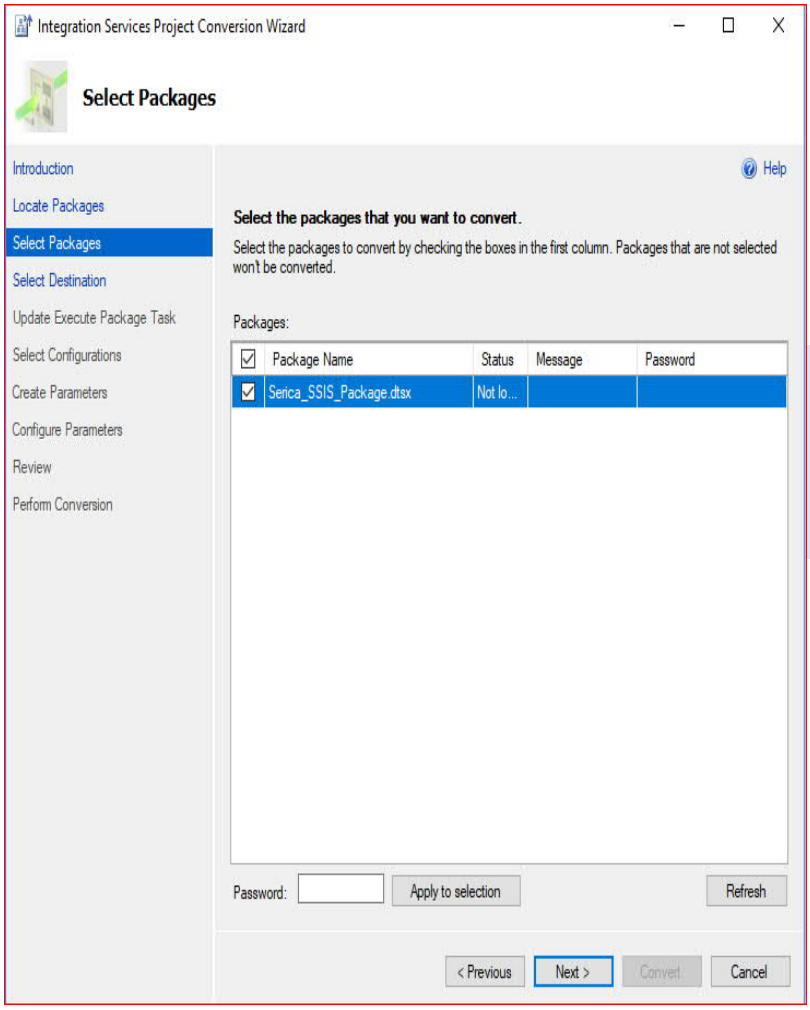
**c. Locate Packages screen**

Use the screen shown below to locate the package.
Note: Replace the server name shown with the appropriate name.
When ready, click the “Next >” button.¶



**d. Select Packages screen**

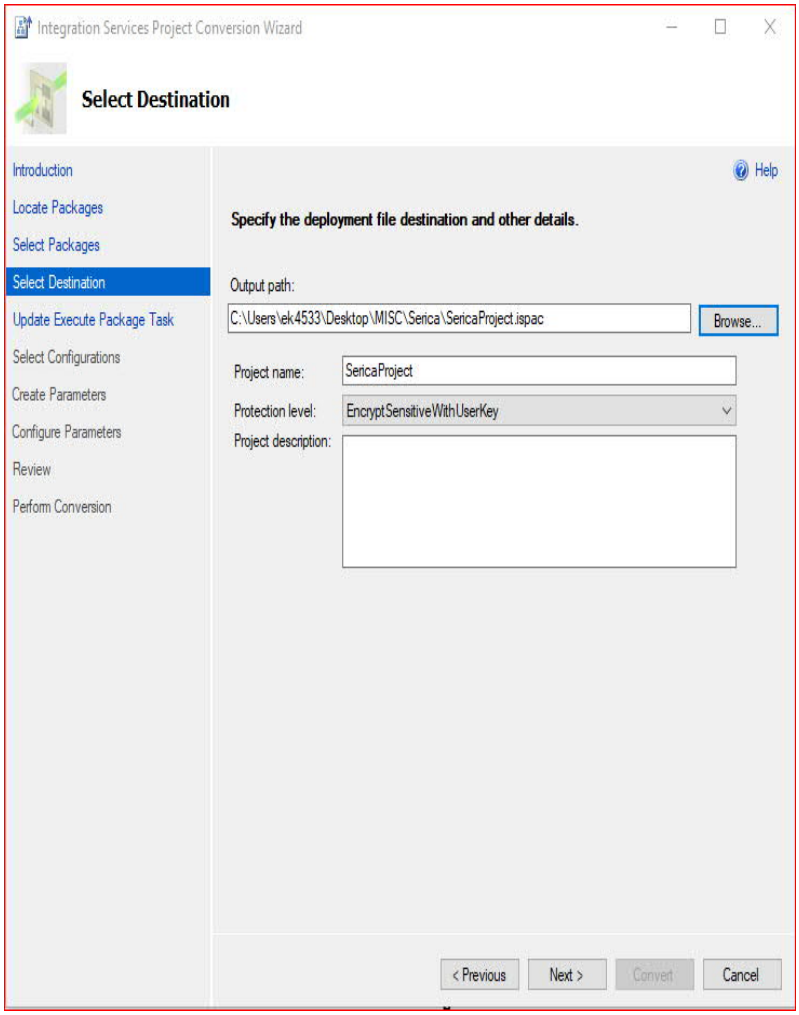
Select the Serica package as shown in the screen below.
Click the “Next >” button.



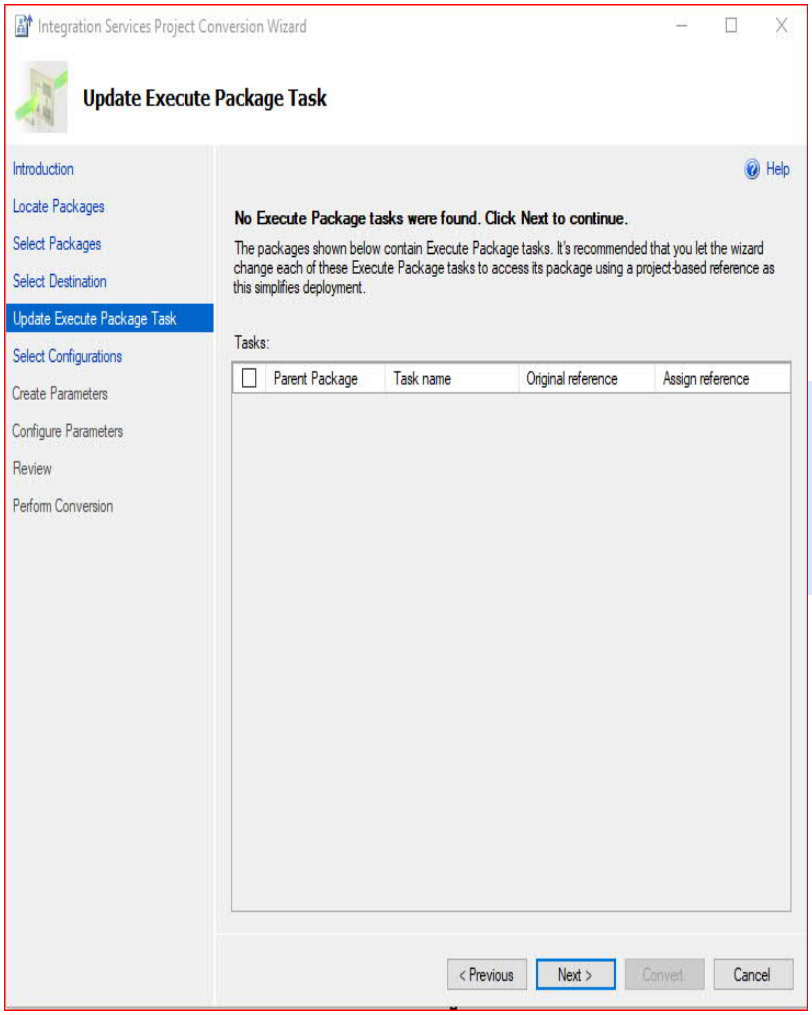
**e. Select Destination screen**

Fill in the path information for a location where the project can be stored.

When ready, click the “Next >” button.



**f. Update Execute Package Task screen**
Click the “Next >” button.




**g. Select Configurations screen**
Click the “Next >” button on this screen.

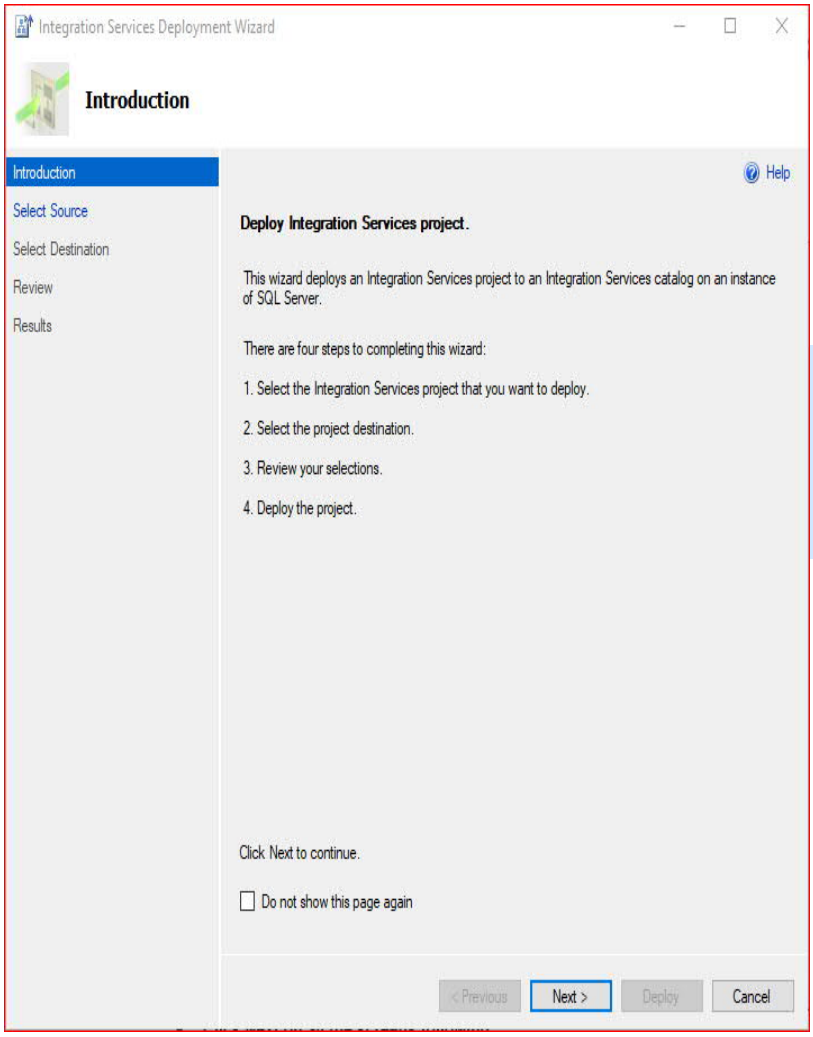
**h. Create Parameters screen**
Click the “Next >” button on this screen.

**i. Configure Parameters screen**
Click the “Next >” button on this screen.

**j. Review screen**
Click “Convert” and then click “Close”. Upon clicking the “Close” button the “Integration Services Deployment Wizard” will display next.

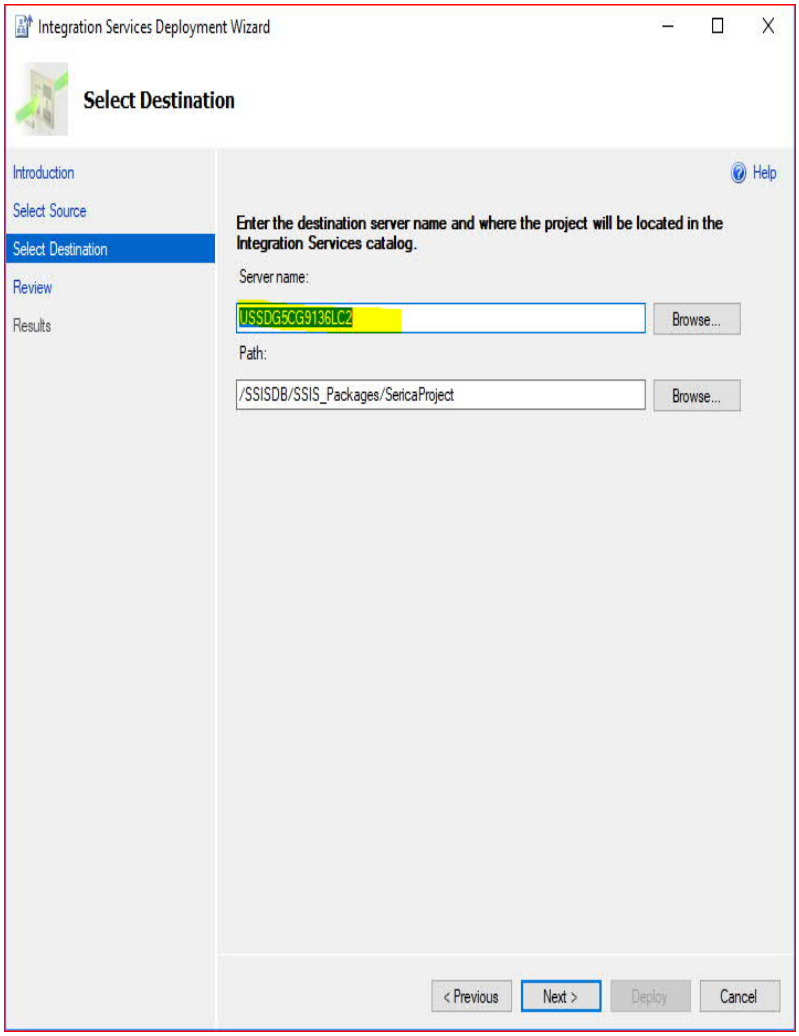
**k. Introduction screen (Integration Services Deployment Wizard)**

Click the “Next >” button



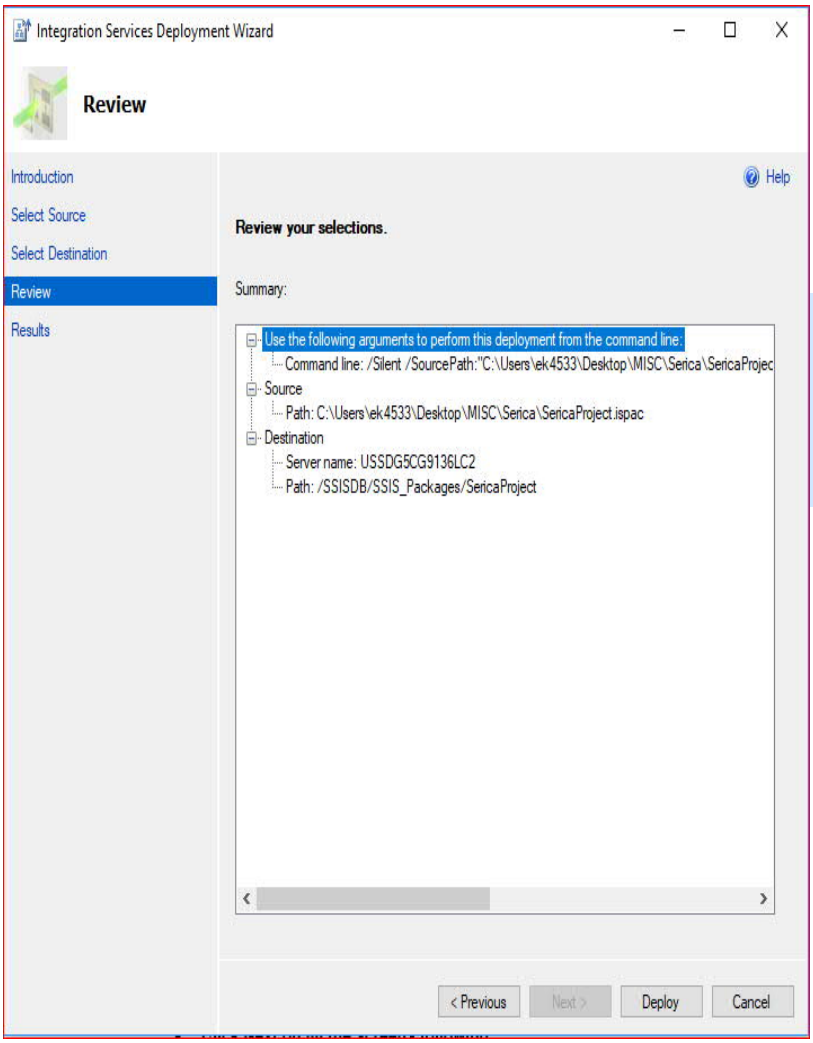
**l. Select Destination**

Select the appropriate server name.
Then when ready click the “Next >” button.



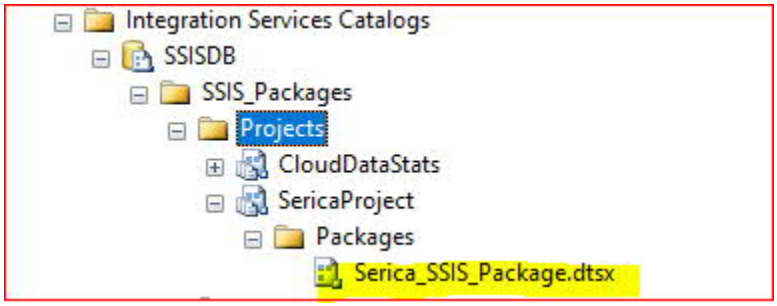
**m. Review**

Click the “Deploy” button.
Verify that the Results step displays “Passed”.
Click “Close”.



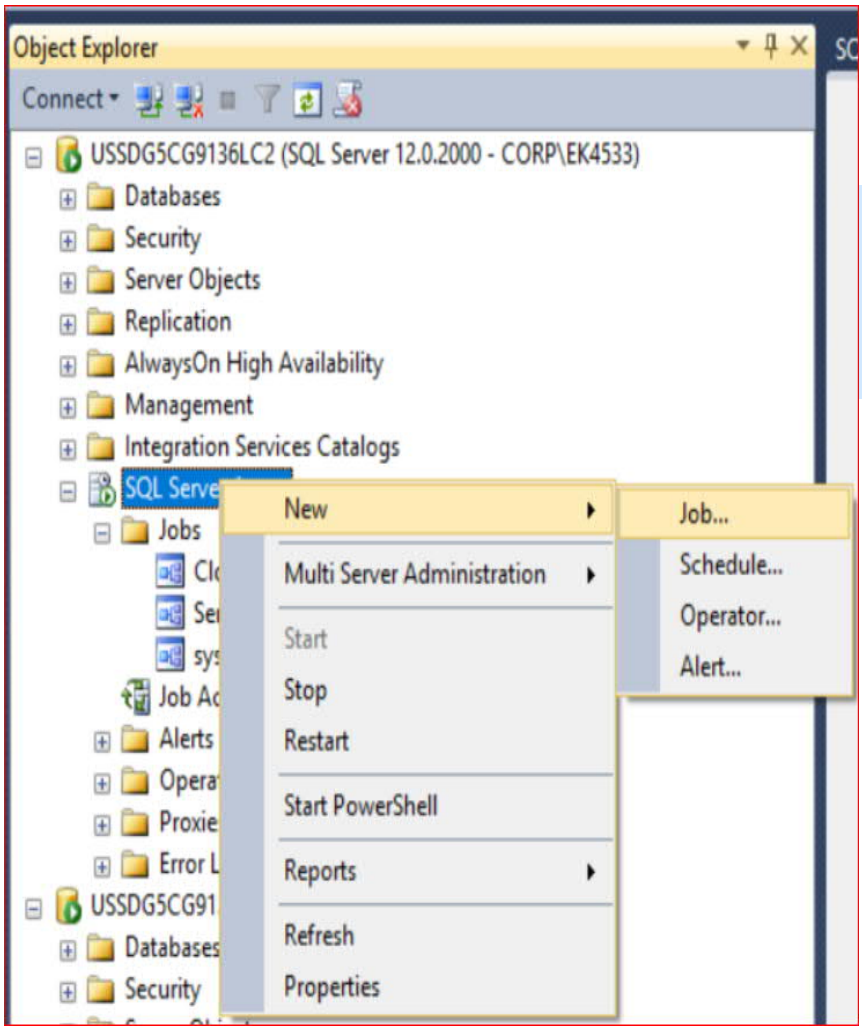
**n. Projects**

Now verify that the SSIS package has been created under Projects.



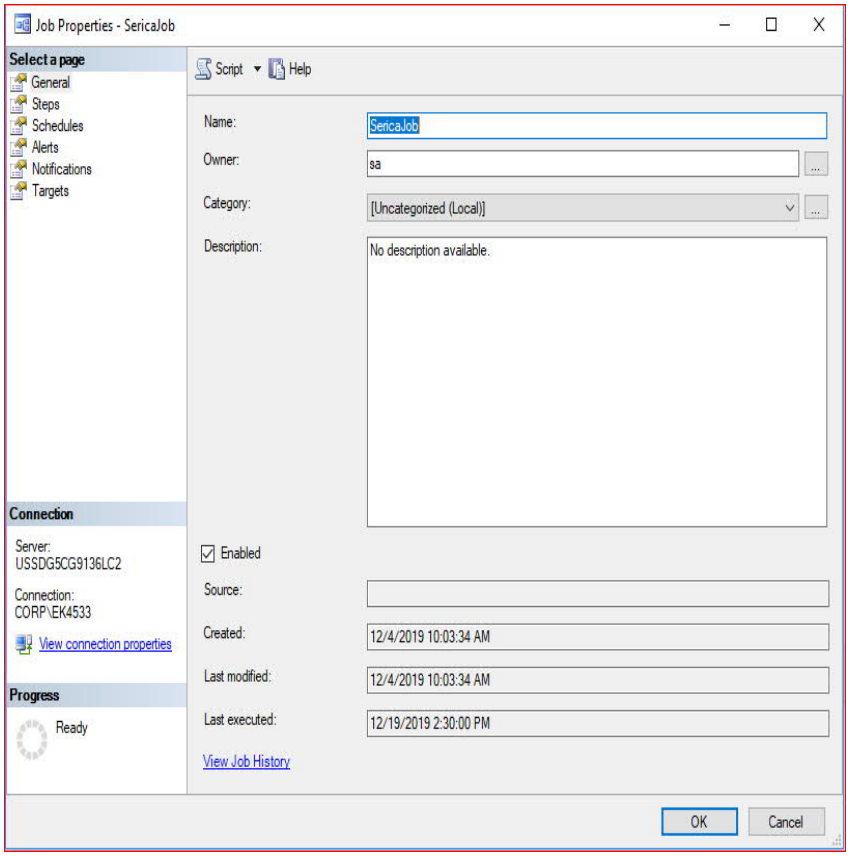
## 1. Create a New Job

a. In Object Explorer (Windows Authentication connection), right click on “SQL Server Agent” and select “New”, then “Job…”.¶



## 2. Set the properties of the new Job

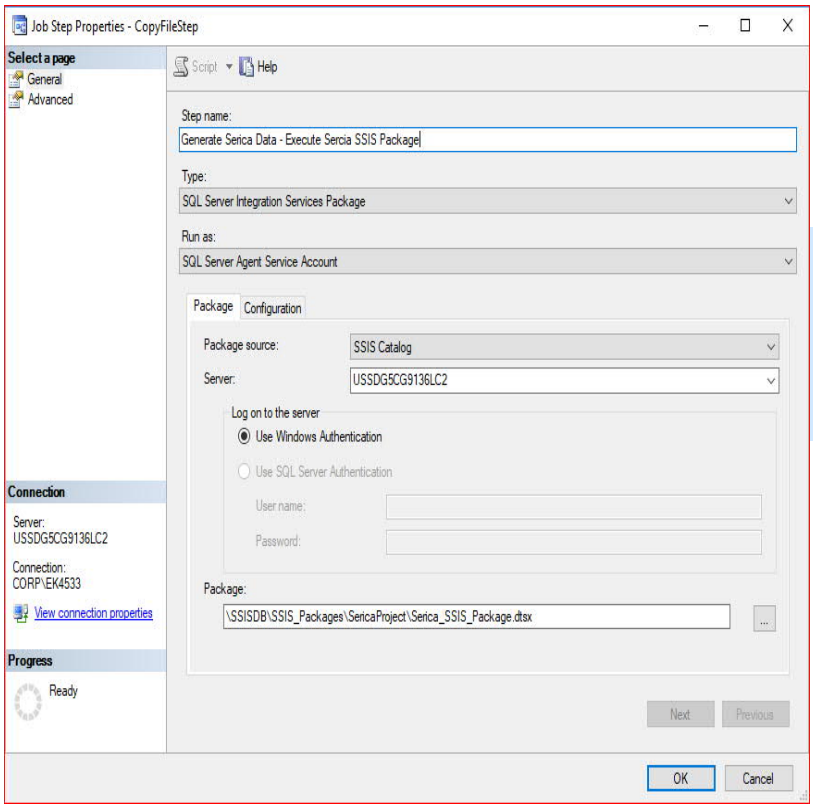
a. Enter a name for the job.
b. Use “sa” or Windows authentication, for the Owner.



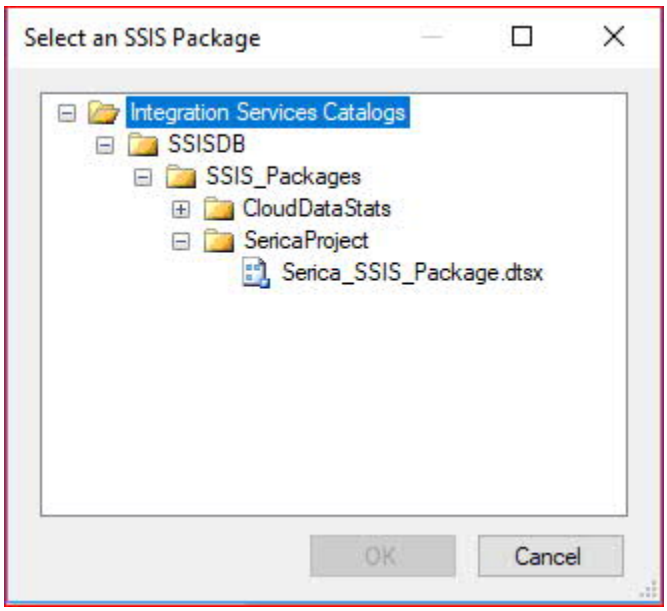
### 3. Create a Step to generate the data

a. Select the “Steps” page, and then click on the “New…” button.

b. Enter the information displayed below for the Serica package.

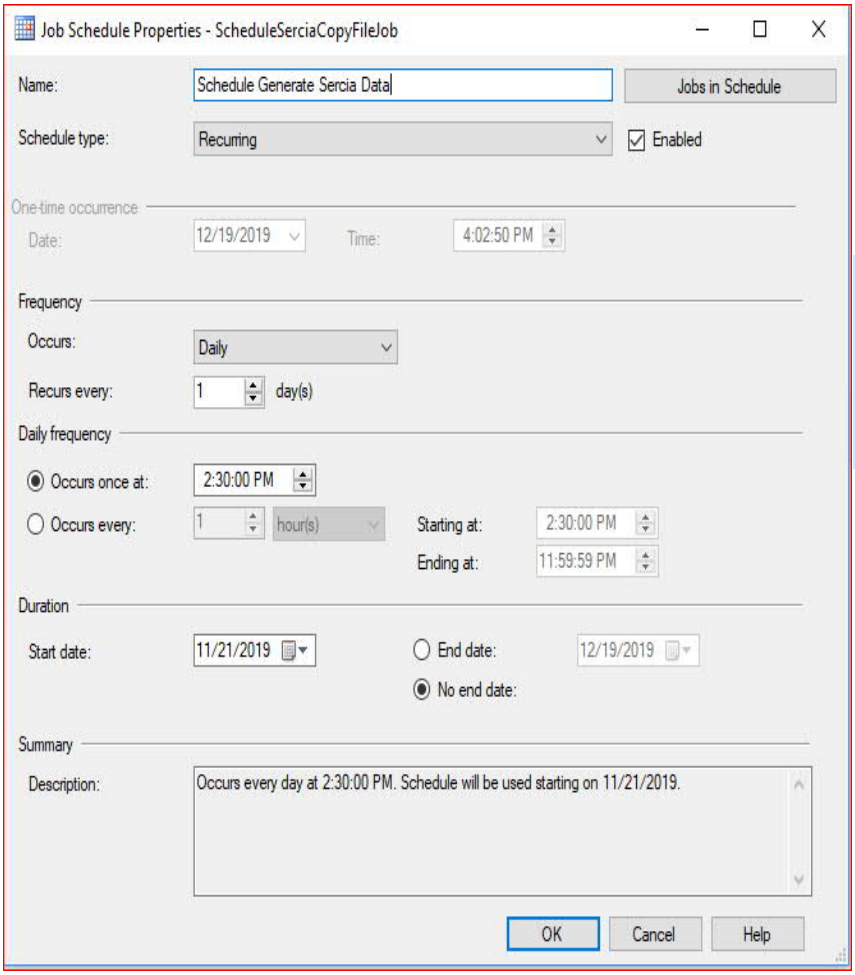



c. To select the previously created package, click the “…” button and navigate to the Serica package, then click the “OK” button:¶


Select an SSIS Package
Integration Services Catalogs
SSISDB
SSIS_Packages
CloudDataStats
SericaProject
Serica_SSIS_Package.dtsx
OK
Cancel

4. **Set the Job Schedule**

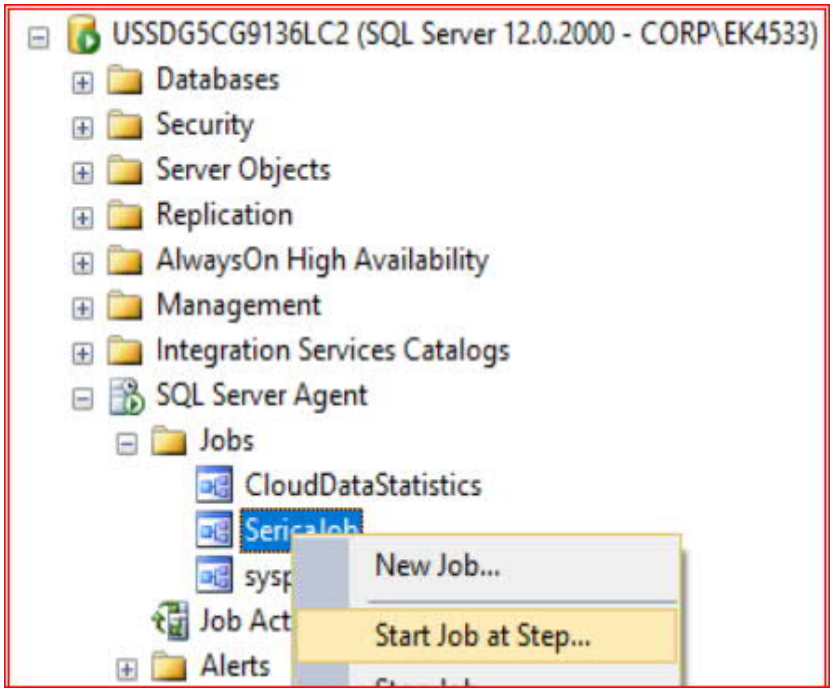
   a. Select the “Schedules” page, and then click on the “New…” button.
   b. Populate the schedule information as desired, see example below.




5. **Click OK to close the “Serica Job”**

6. **Test the data generation¶**

   **a.** To verify data generation, right click on “SericaJob” (or the job name used) and select “Start Job at Step…”




   **b.** Verify a CSV file has been created in the folder selected. See the attached sample file for an example:

SericaExport.csv