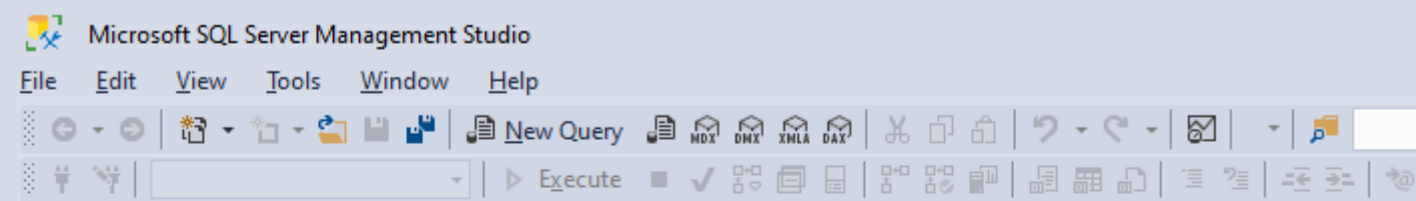


ARMDD

EXERCISE 7 TUTORIAL

Paulo Oliveira
DEI-ISEP



In this tutorial you will learn how to deploy an Integration Services project and schedule the execution of a package.
Start SQL Server Management Studio (SSMS) and connect to the database instance.

Connect to Server

SQL Server

Server type: Database Engine

Server name: localhost

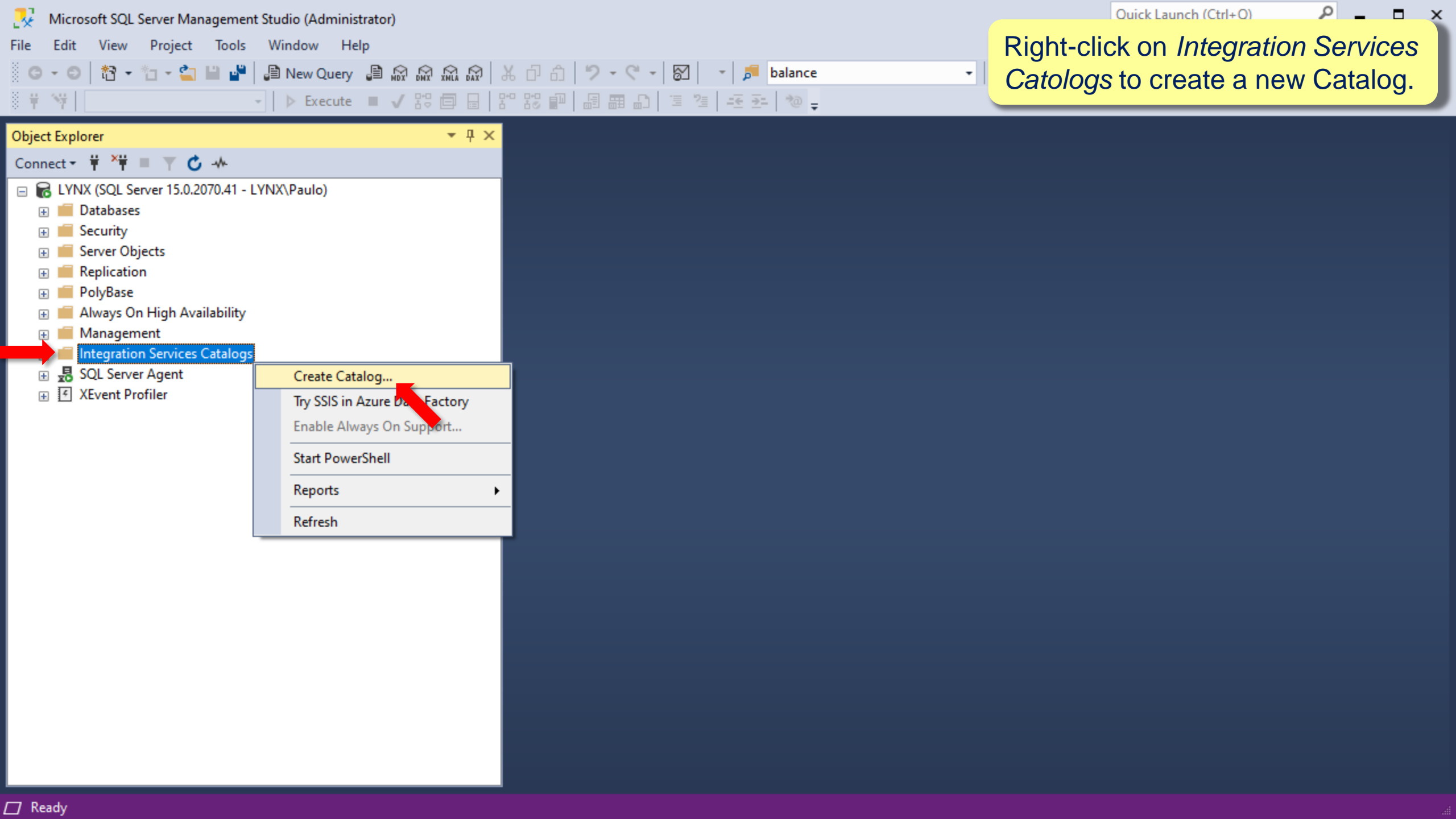
Authentication: Windows Authentication

User name: AzureAD\PauloOliveira

Password:

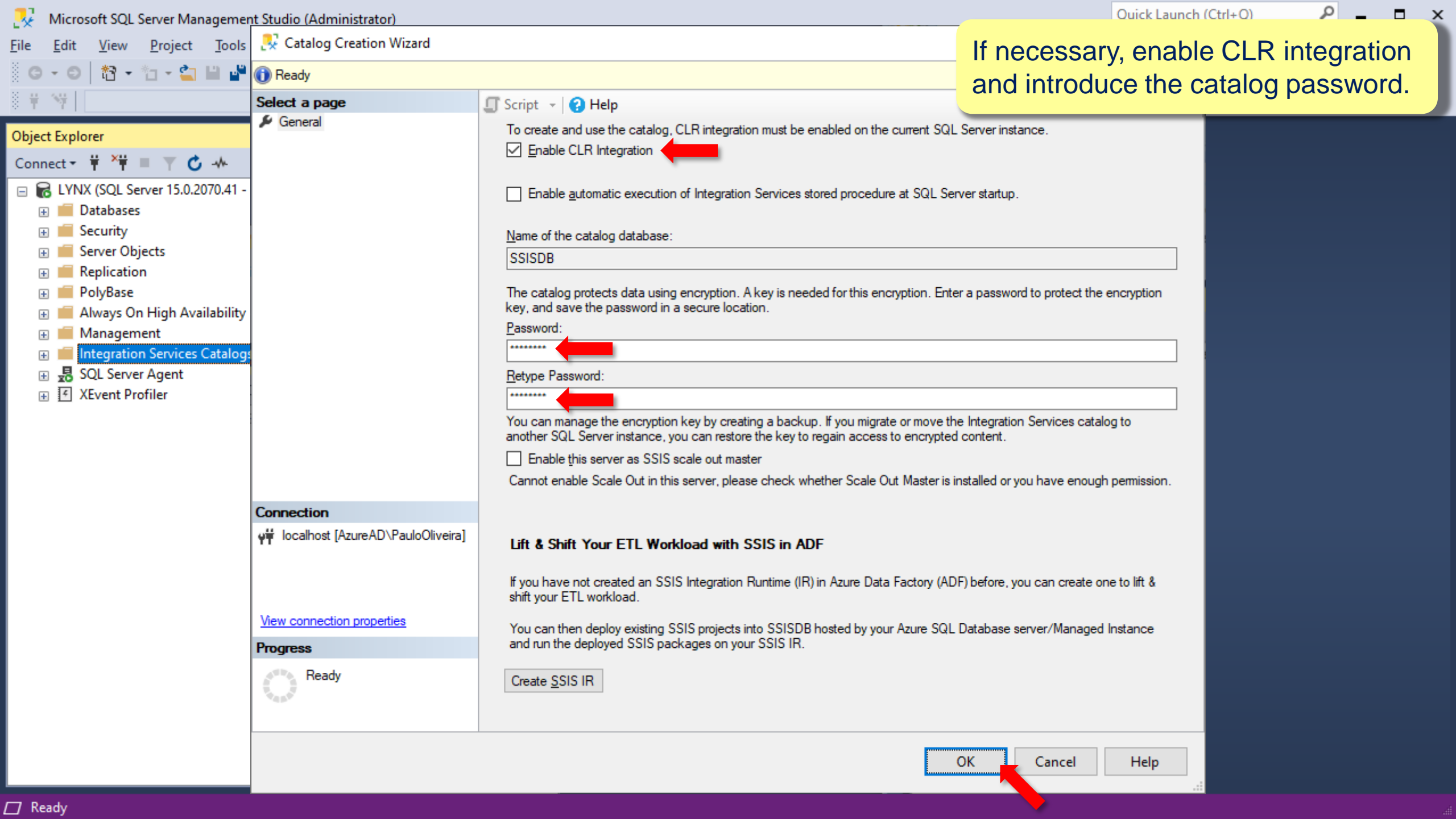
☐ Remember password

Connect Cancel Help Options >>



Right-click on *Integration Services Catalogs* to create a new Catalog.

- Create Catalog...
- Try SSIS in Azure Data Factory
- Enable Always On Support...
- Start PowerShell
- Reports
- Refresh



If necessary, enable CLR integration and introduce the catalog password.

To create and use the catalog, CLR integration must be enabled on the current SQL Server instance.

☒ Enable CLR Integration

☐ Enable automatic execution of Integration Services stored procedure at SQL Server startup.

Name of the catalog database:

SSISDB

The catalog protects data using encryption. A key is needed for this encryption. Enter a password to protect the encryption key, and save the password in a secure location.

Password:

Retype Password:

You can manage the encryption key by creating a backup. If you migrate or move the Integration Services catalog to another SQL Server instance, you can restore the key to regain access to encrypted content.

☐ Enable this server as SSIS scale out master

Cannot enable Scale Out in this server, please check whether Scale Out Master is installed or you have enough permission.

Lift & Shift Your ETL Workload with SSIS in ADF

If you have not created an SSIS Integration Runtime (IR) in Azure Data Factory (ADF) before, you can create one to lift & shift your ETL workload.

You can then deploy existing SSIS projects into SSISDB hosted by your Azure SQL Database server/Managed Instance and run the deployed SSIS packages on your SSIS IR.

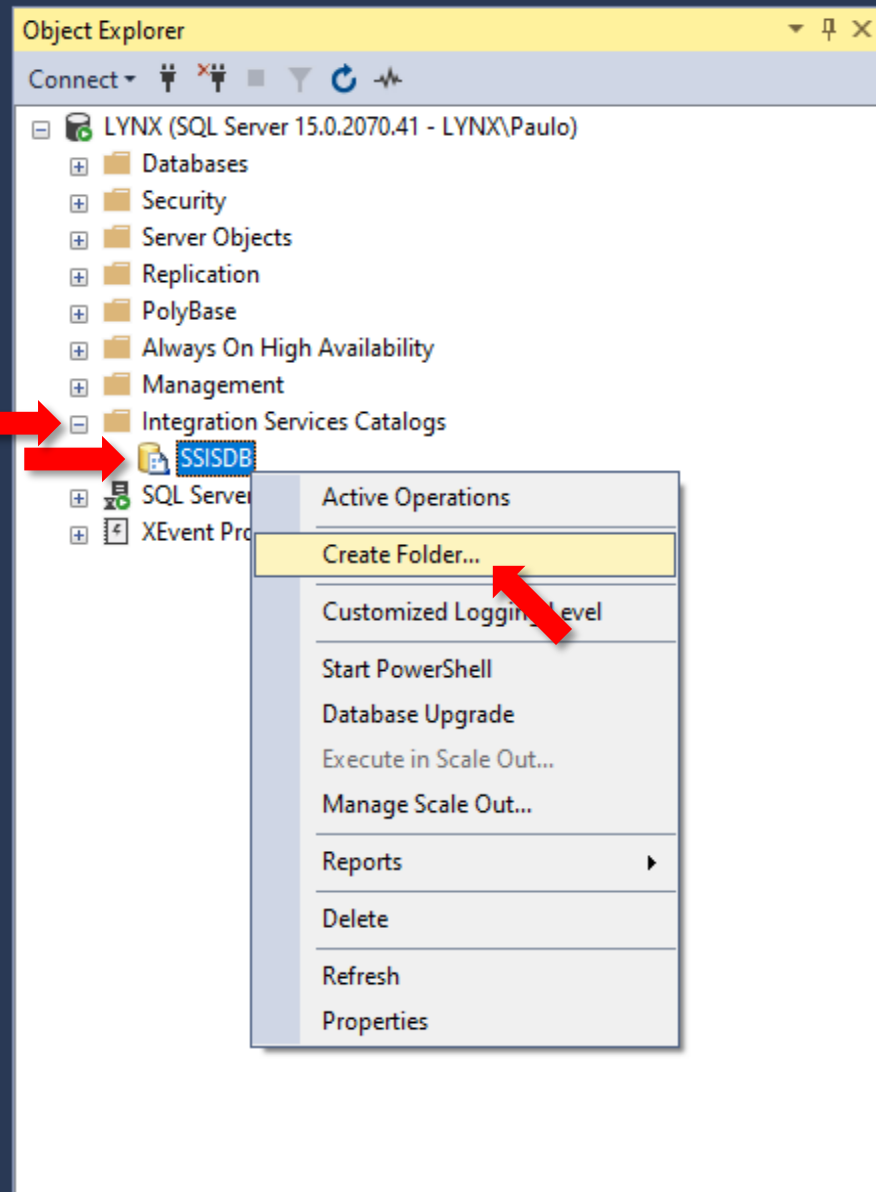
Create SSIS IR

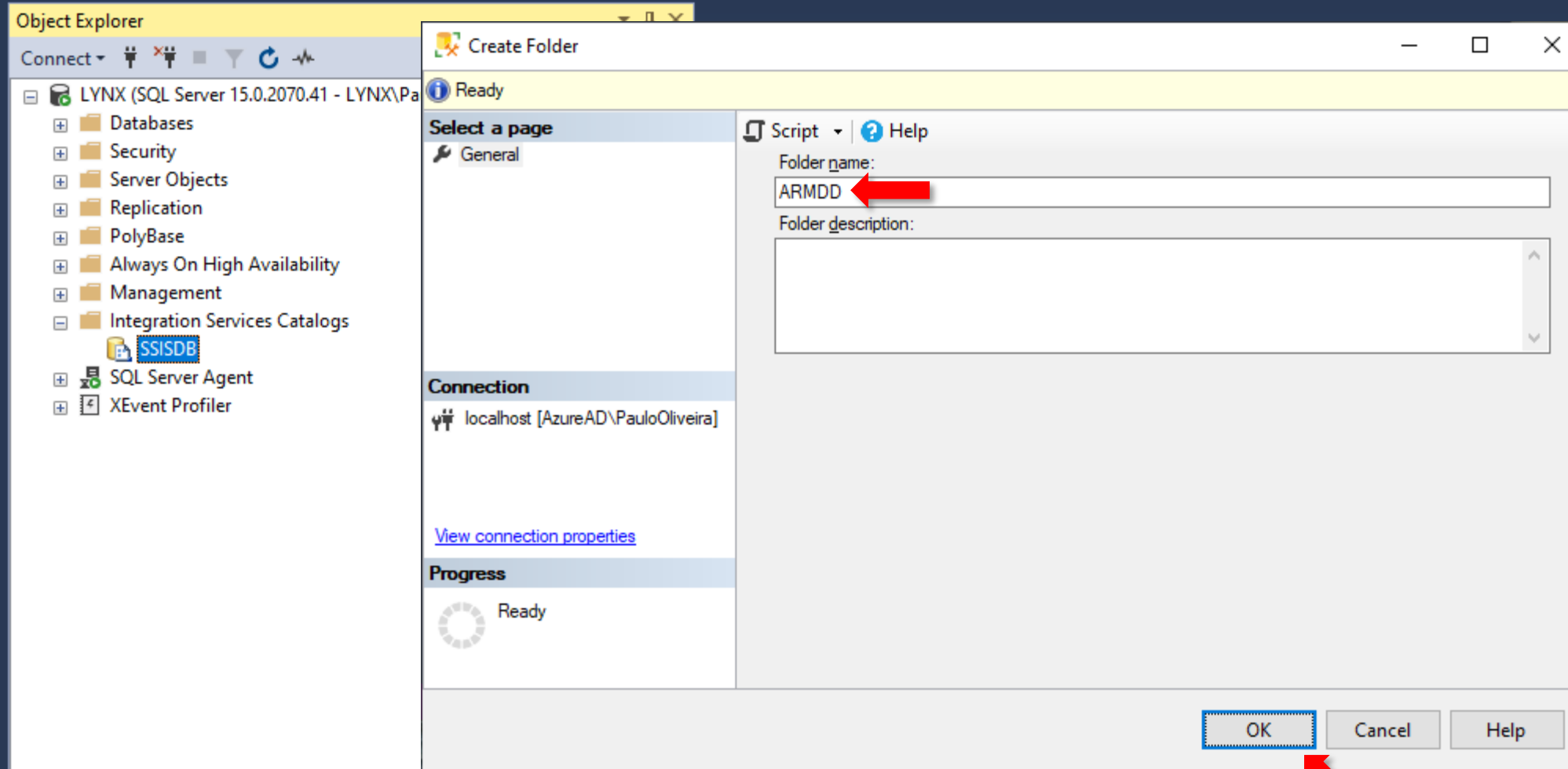
OK

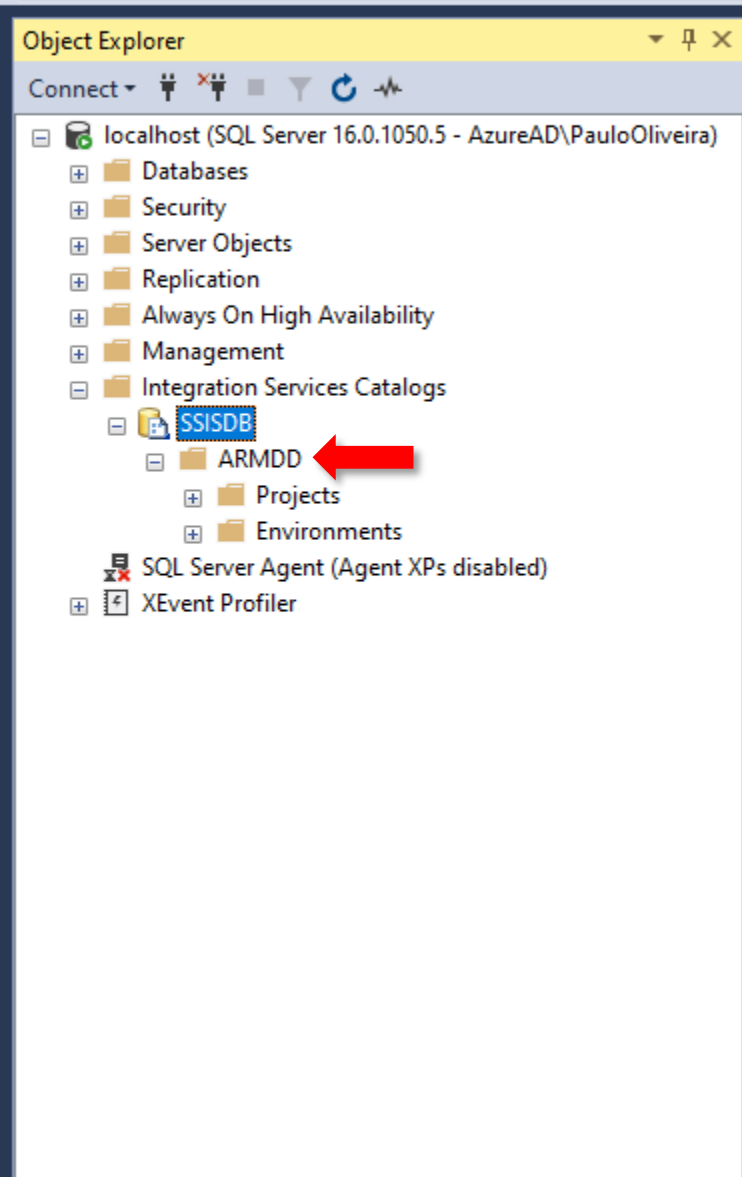
Cancel

Help

Expand *Integration Services Catalogs* to visualize the SSISDB catalog and right click to create a new folder.



Name the folder as *ARMDD*.



Start Visual Studio and load the Data Mart project. Right-click on Data Mart and deploy the project.

The screenshot displays the Visual Studio IDE with the SSIS toolbox on the left. The main workspace shows the 'Data Mart ETLdtsx [Design]' project. The design surface contains two parallel paths. The left path starts with 'Create Staging Area Database', followed by a 'Foreach SA Create Table Script' loop containing an 'Execute SA Script' task, and then a 'Foreach DAT File' loop containing a 'Load DAT File Into Table' task. The right path starts with 'Create Data Mart Database', followed by a 'Foreach DM Create Table Script' loop containing an 'Execute DM Script' task, and then a 'Load Temporal Dimensions' task. This task has two conditional logic paths: 'Is DimDate Empty?' and 'Is DimTime Empty?'. The bottom of the screen shows the 'Connection Managers' pane with connections for 'Create DM Tables', 'Create SA Tables', 'CSV DimDate', 'CSV DimTime', 'DataMart', 'Load DAT Files', and 'master'. The 'Solution Explorer' on the right shows the project structure, and the context menu is open with 'Deploy' highlighted. A yellow callout box at the top right contains the text: 'Start Visual Studio and load the Data Mart project. Right-click on Data Mart and deploy the project.'

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help

Search Solution Explorer (Ctrl+)

Solution 'Data Mart' (1 of 1 project)

Data Mart

- Project
- Connect
- SSIS Package
- Data
- Package
- Con
- Miscella
- Linked
- Azure
- Azure

Deploy

Build

Rebuild

SSIS in Azure

Collapse All Descendants

Scope to This

New Solution Explorer View

Add

Manage NuGet Packages...

Configure Startup Projects...

Set as Startup Project

Debug

Convert to Package Deployment Model

Cut

Paste

Remove

Rename

Unload Project

Load Direct Dependencies

Load Entire Dependency Tree

Open in Terminal

Properties

100%

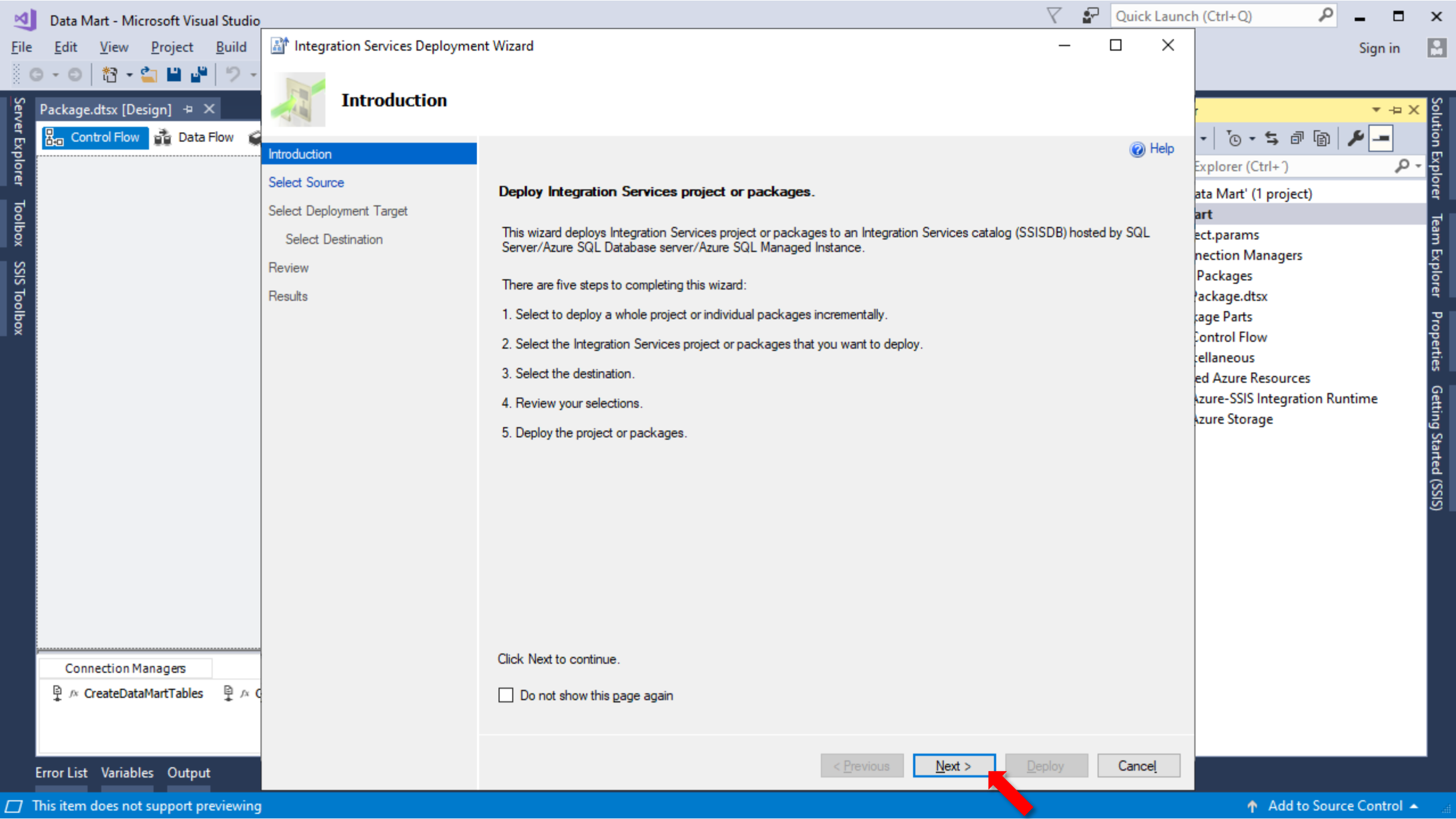
Connection Managers

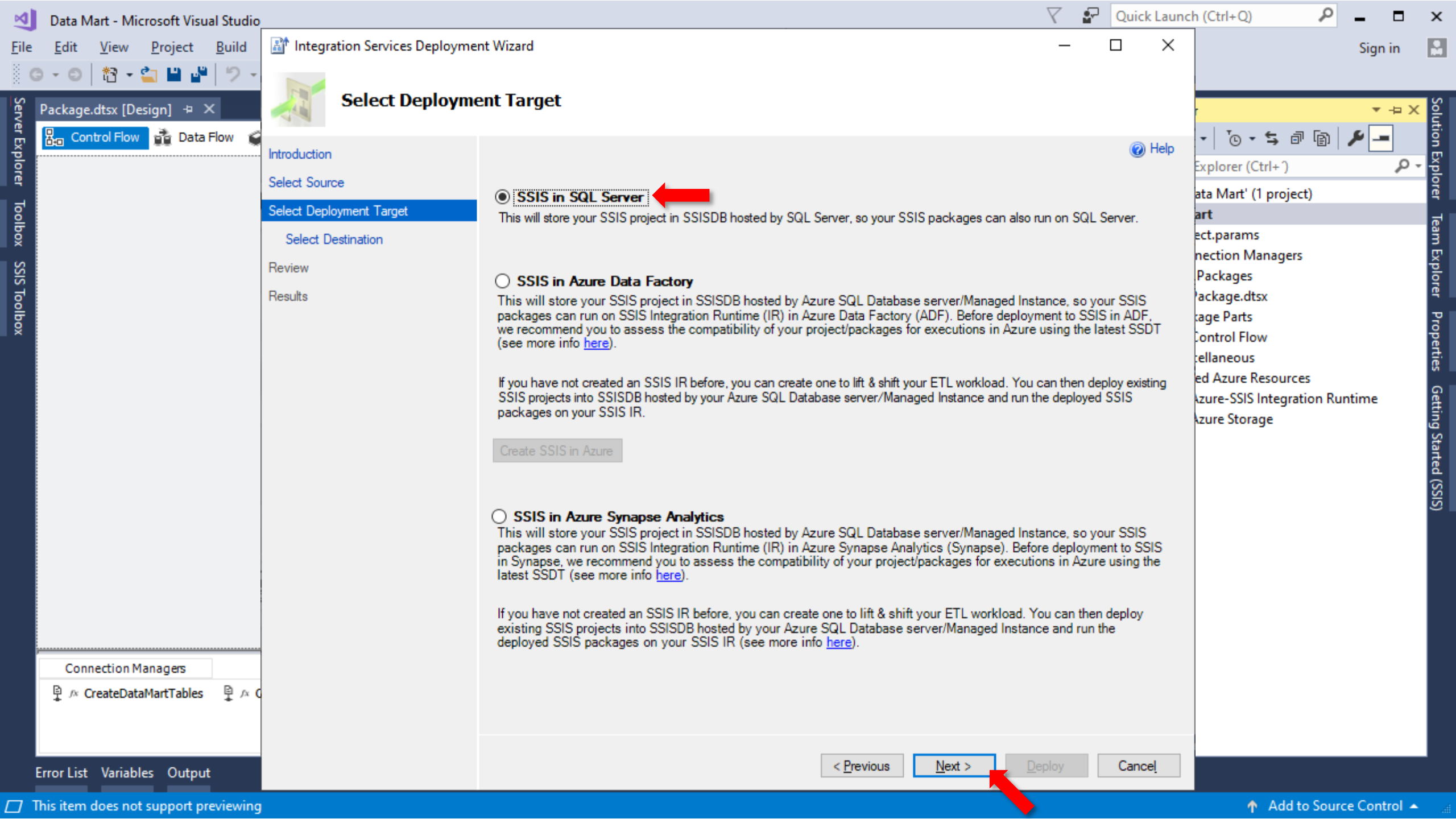
- Create DM Tables
- Create SA Tables
- CSV DimDate
- CSV DimTime
- DataMart
- Load DAT Files
- master
- StagingArea

Output Error List Variables

Ready

Add to Source





Select Deployment Target

Introduction

Select Source

Select Deployment Target

Select Destination

Review

Results

☒ **SSIS in SQL Server**

This will store your SSIS project in SSISDB hosted by SQL Server, so your SSIS packages can also run on SQL Server.

☐ **SSIS in Azure Data Factory**

This will store your SSIS project in SSISDB hosted by Azure SQL Database server/Managed Instance, so your SSIS packages can run on SSIS Integration Runtime (IR) in Azure Data Factory (ADF). Before deployment to SSIS in ADF, we recommend you to assess the compatibility of your project/packages for executions in Azure using the latest SSDT (see more info [here](#)).

If you have not created an SSIS IR before, you can create one to lift & shift your ETL workload. You can then deploy existing SSIS projects into SSISDB hosted by your Azure SQL Database server/Managed Instance and run the deployed SSIS packages on your SSIS IR.

Create SSIS in Azure

☐ **SSIS in Azure Synapse Analytics**

This will store your SSIS project in SSISDB hosted by Azure SQL Database server/Managed Instance, so your SSIS packages can run on SSIS Integration Runtime (IR) in Azure Synapse Analytics (Synapse). Before deployment to SSIS in Synapse, we recommend you to assess the compatibility of your project/packages for executions in Azure using the latest SSDT (see more info [here](#)).

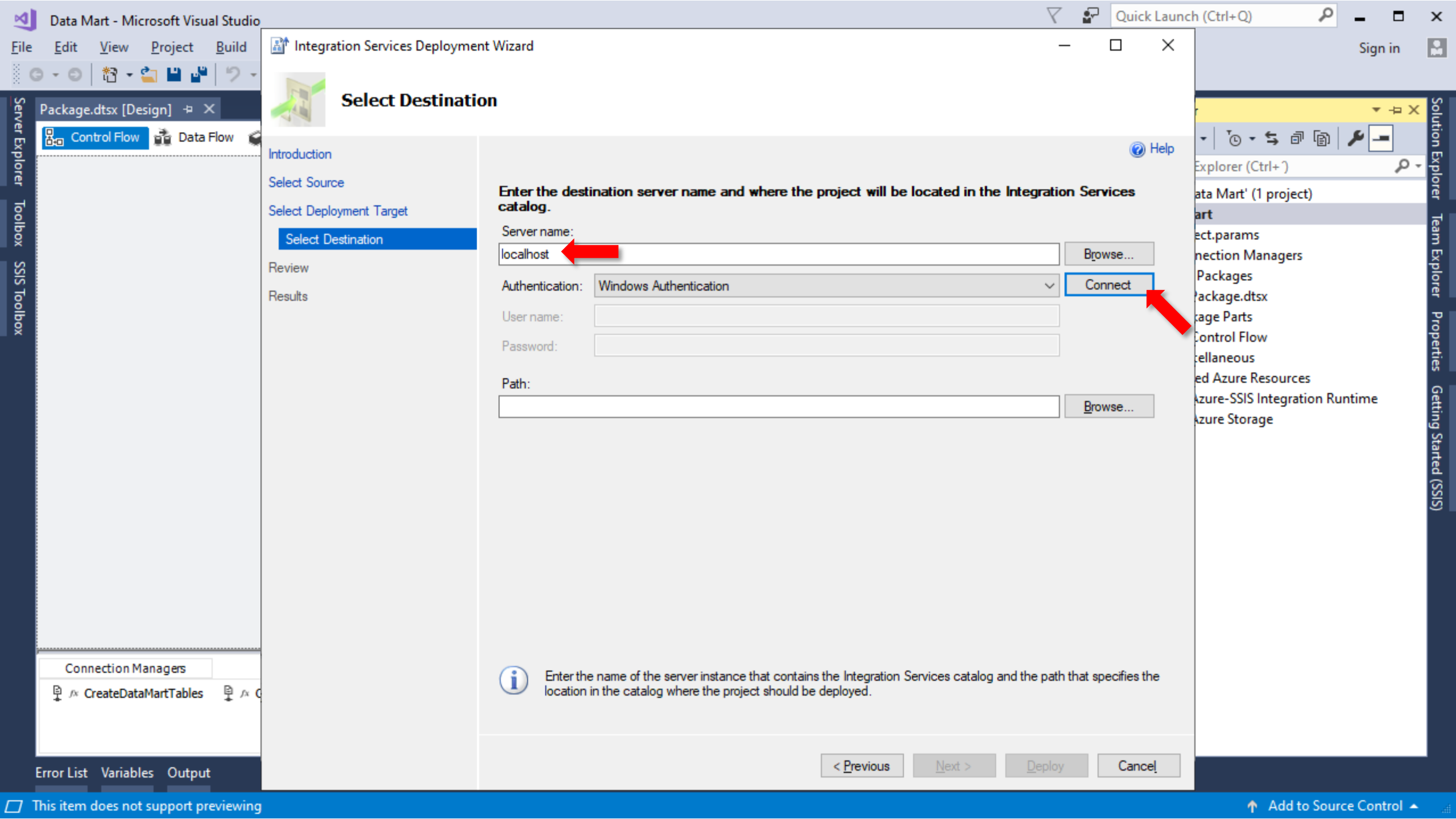
If you have not created an SSIS IR before, you can create one to lift & shift your ETL workload. You can then deploy existing SSIS projects into SSISDB hosted by your Azure SQL Database server/Managed Instance and run the deployed SSIS packages on your SSIS IR (see more info [here](#)).

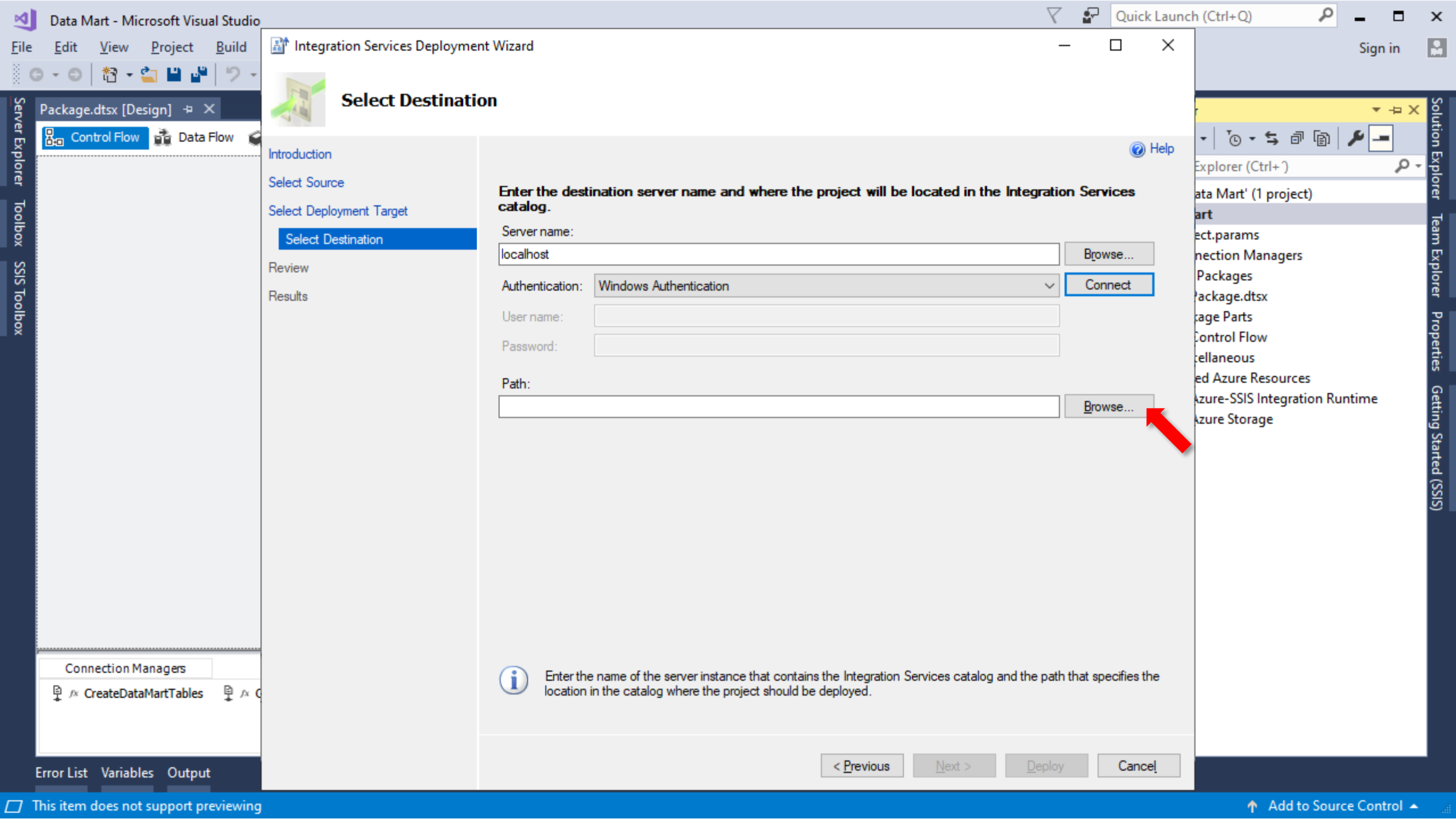
< Previous

Next >

Deploy

Cancel







Select Destination

Introduction

Select Source

Select Deployment Target

Select Destination

Review

Results

Enter the destination server name and where the project will be located in the Integration Services

Browse for Folder or Project

Select a folder for the project or replace an existing project in an Integration Services catalog:



New folder...

OK

Cancel



Enter the name of the server instance that contains the Integration Services catalog and the path that specifies the location in the catalog where the project should be deployed.

< Previous

Next >

Deploy

Cancel

Select the *ARMDD* folder previously created in the *SSISDB* catalog.

Explorer (Ctrl+)

Data Mart' (1 project)

Data Mart

Data Mart.params

Connection Managers

Packages

Package.dtsx

Page Parts

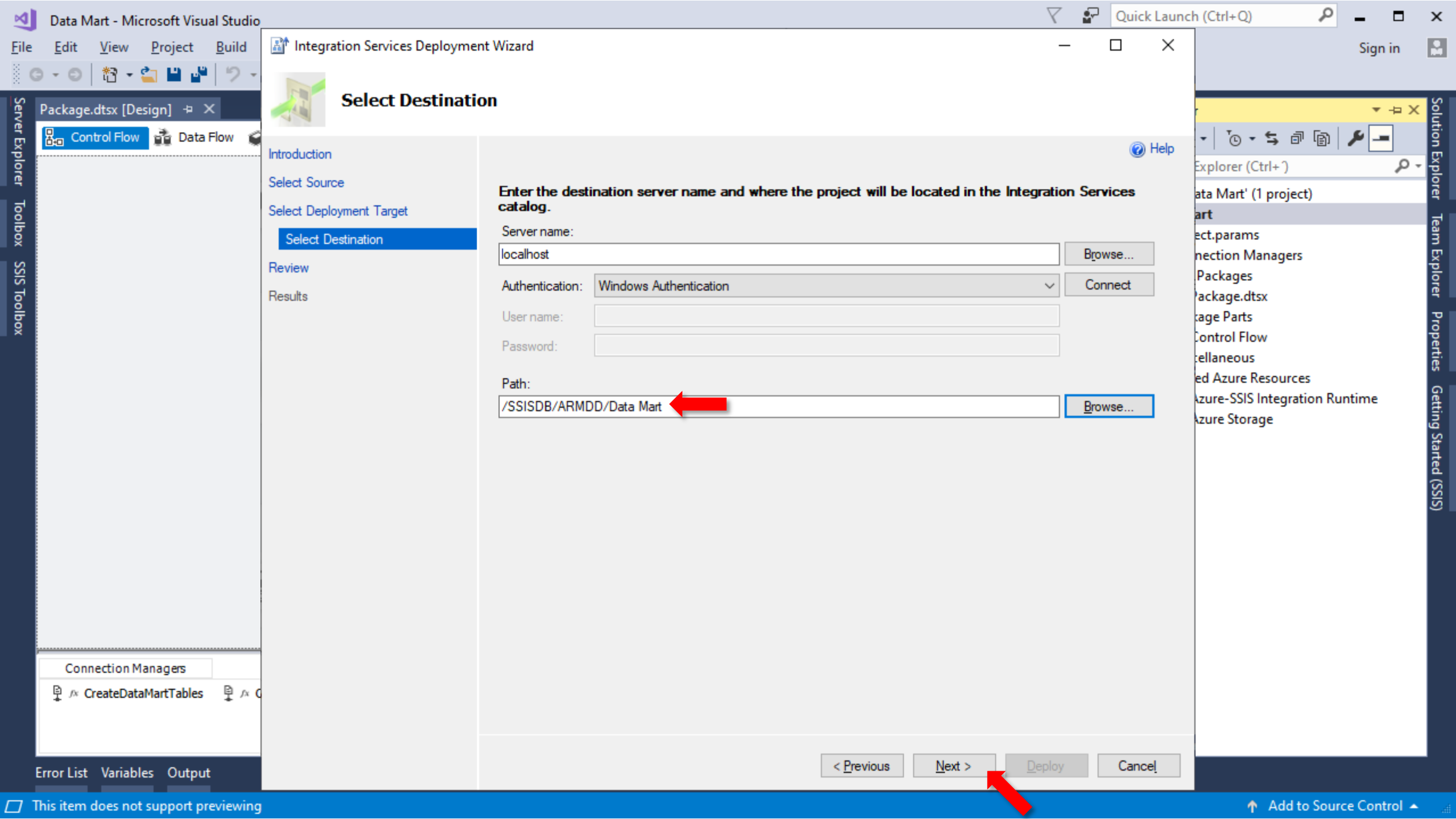
Control Flow

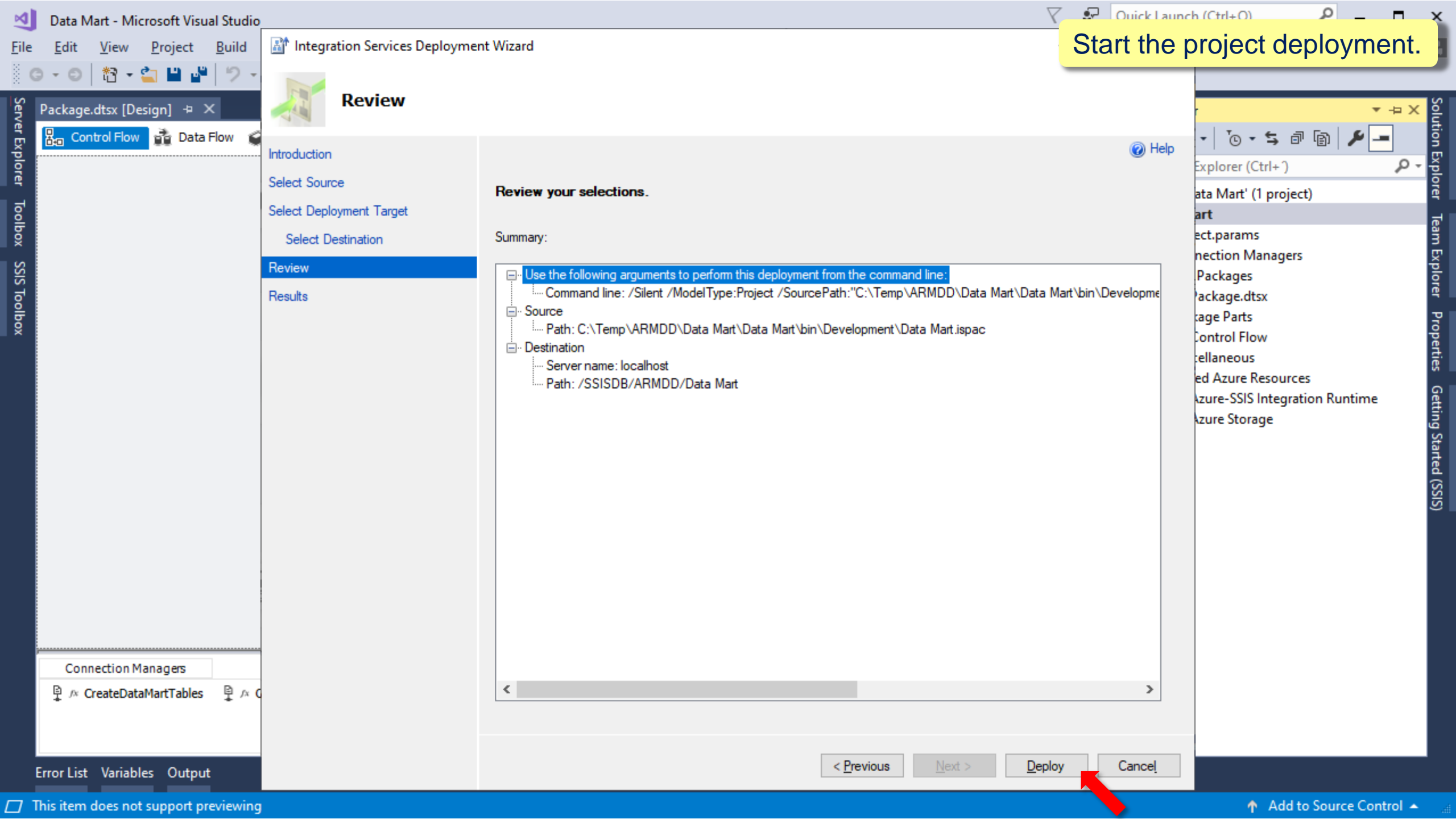
Miscellaneous

Used Azure Resources

Azure-SSIS Integration Runtime

Azure Storage





Start the project deployment.

Review your selections.

Summary:

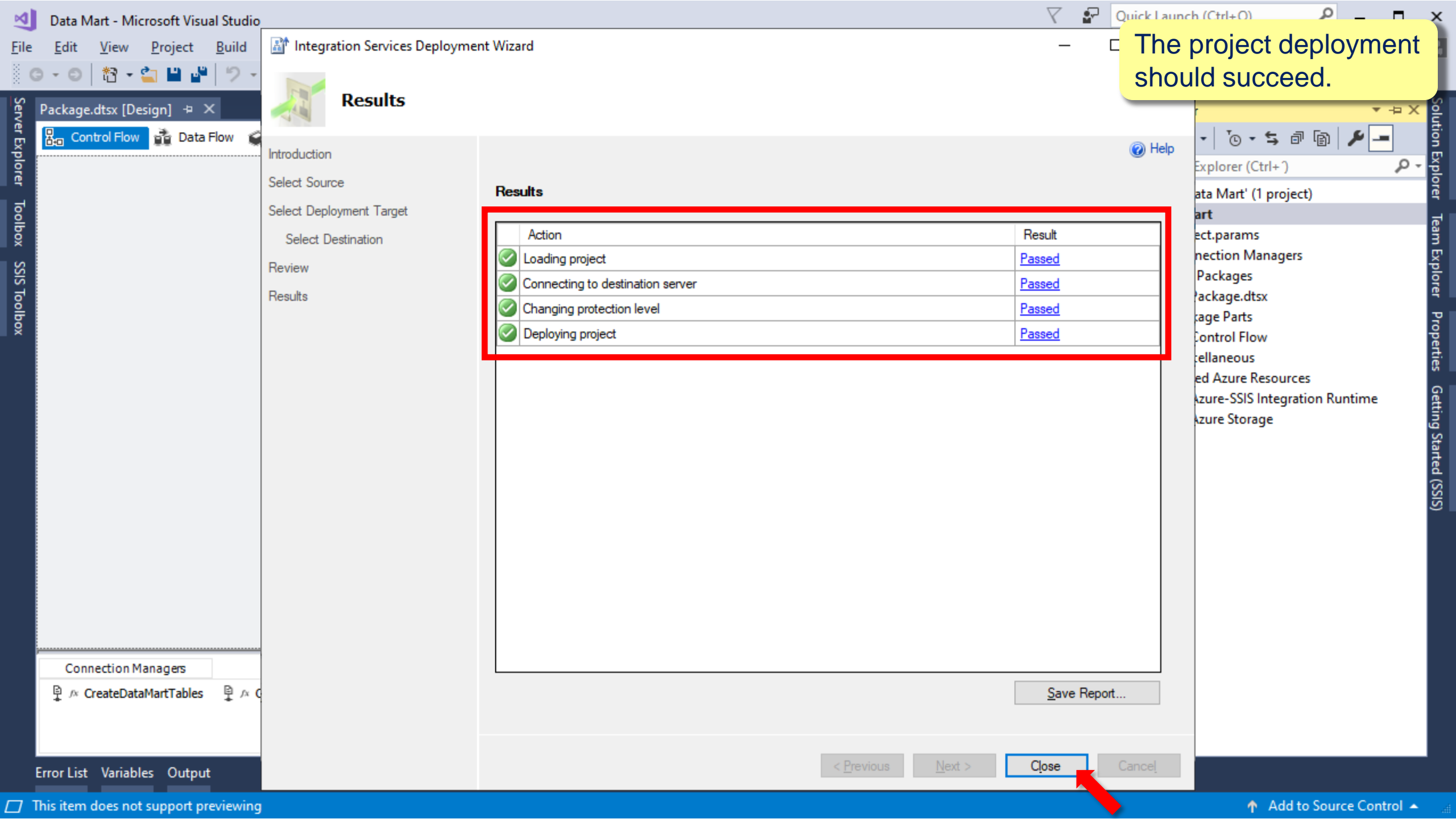
- Use the following arguments to perform this deployment from the command line:
 - Command line: /Silent /ModelType:Project /SourcePath:"C:\Temp\ARMDD\Data Mart\Data Mart\bin\Development"
- Source
 - Path: C:\Temp\ARMDD\Data Mart\Data Mart\bin\Development\Data Mart.ispac
- Destination
 - Server name: localhost
 - Path: /SSISDB/ARMDD/Data Mart

< Previous

Next >

Deploy

Cancel

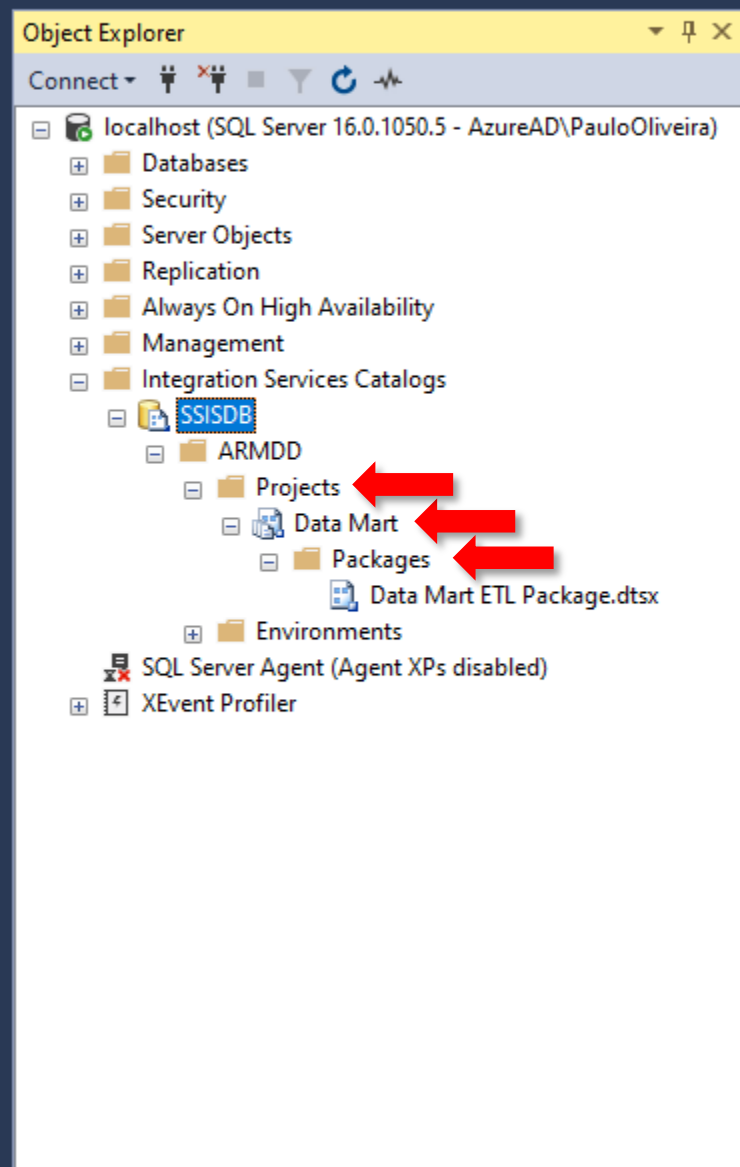


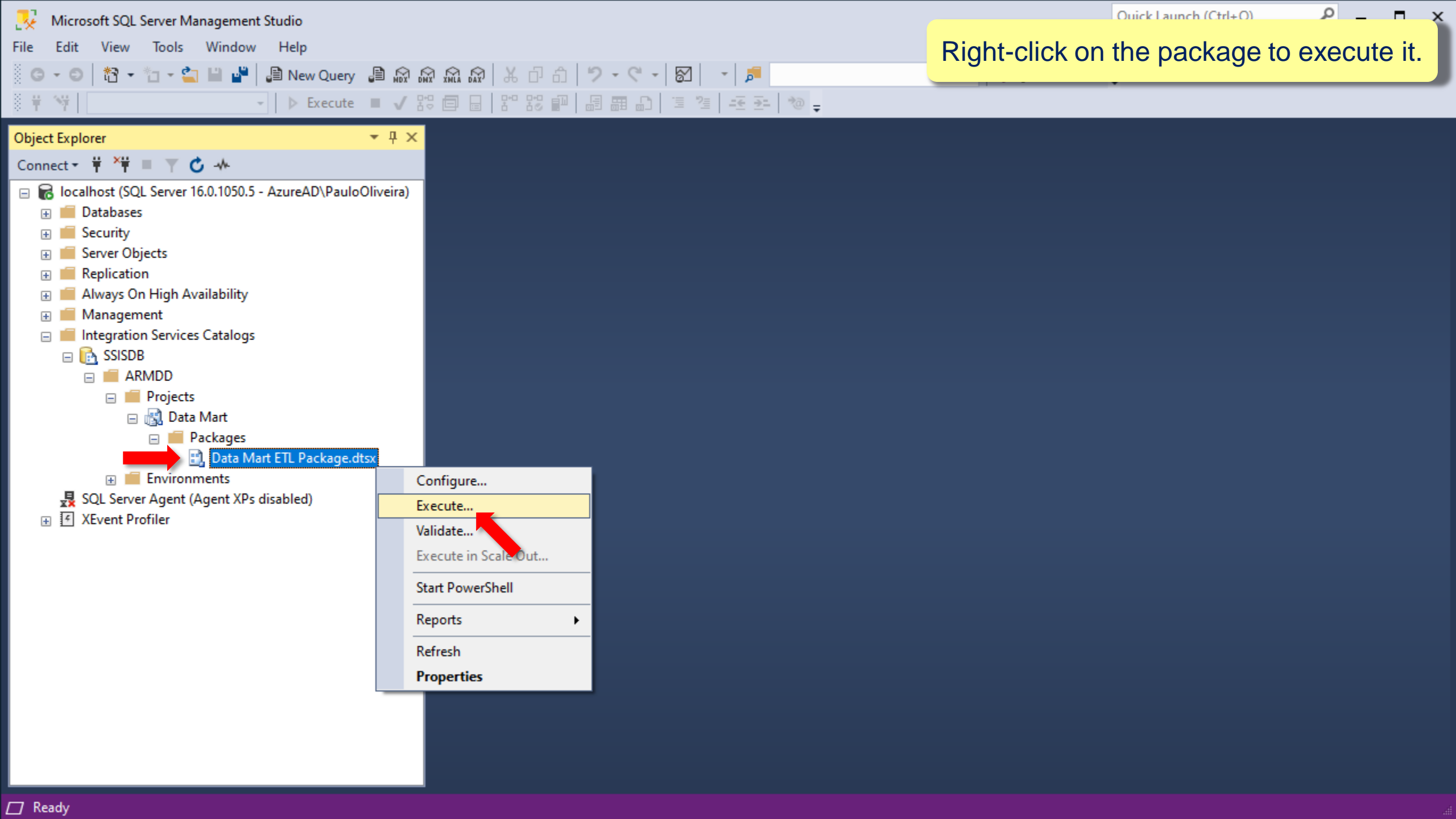
The project deployment should succeed.

Action	Result
✓ Loading project	Passed
✓ Connecting to destination server	Passed
✓ Changing protection level	Passed
✓ Deploying project	Passed

Save Report...

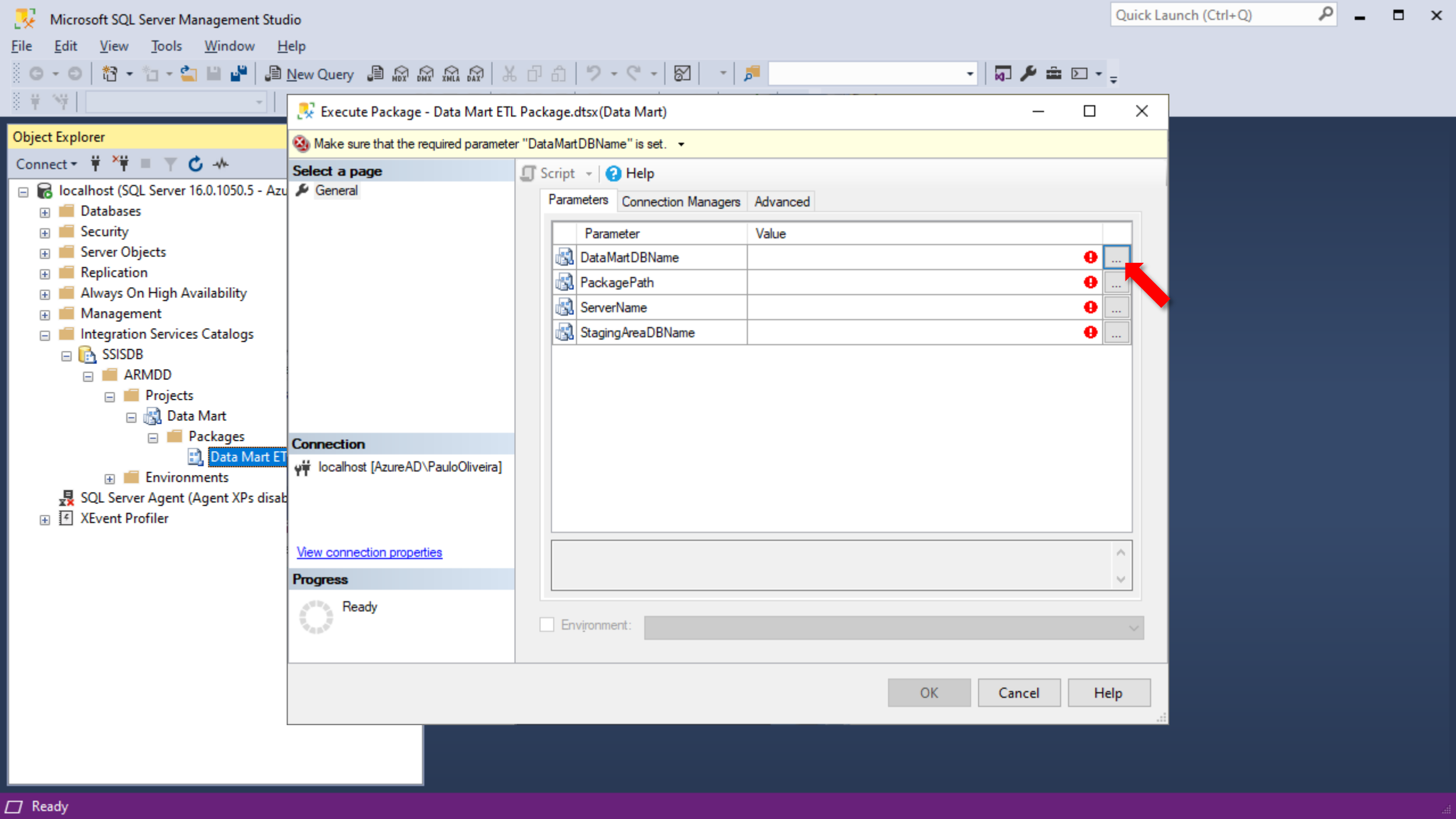
< Previous Next > **Close** Cancel





Right-click on the package to execute it.

- Configure...
- Execute...
- Validate...
- Execute in Scale Out...
- Start PowerShell
- Reports
- Refresh
- Properties



Object Explorer

Connect

- localhost (SQL Server 16.0.1050.5 - Azu
- Databases
- Security
- Server Objects
- Replication
- Always On High Availability
- Management
- Integration Services Catalogs
 - SSISDB
 - ARMDD
 - Projects
 - Data Mart
 - Packages
 - Data Mart ETL Packages
 - Environments
 - SQL Server Agent (Agent XPs disab
 - XEvent Profiler

Execute Package - Data Mart ETL Package.dtsx(Data Mart)

Make sure that the required parameter "DataMartDBName" is set.

Select a page

General

Script Help

Parameters Connection Managers Advanced

Parameter	Value	
DataMartDBName		!
PackagePath		!
ServerName		!
StagingAreaDBName		!



Connection

localhost [AzureAD\PauloOliveira]

[View connection properties](#)

Progress

Ready

Environment:

OK Cancel Help

Object Explorer

Connect

- localhost (SQL Server 16.0.1050.5 - Azu
 - Databases
 - Security
 - Server Objects
 - Replication
 - Always On High Availability
 - Management
 - Integration Services Catalogs
 - SSISDB
 - ARMDD
 - Projects
 - Data Mart
 - Packages
 - Data Mart ETL Package.dtsx
 - Environments
 - SQL Server Agent (Agent XPs disabled)
 - XEvent Profiler

Execute Package - Data Mart ETL Package.dtsx(Data Mart)

Make sure that the required parameter "DataMartDBName" is set.

Select a page

General

Script Help

Edit Literal Value for Execution

Parameter:

[Data Mart].[DataMartDBName]

Type:

String, Required

Description:

Value:

ARMDD_DataMart

OK

Cancel

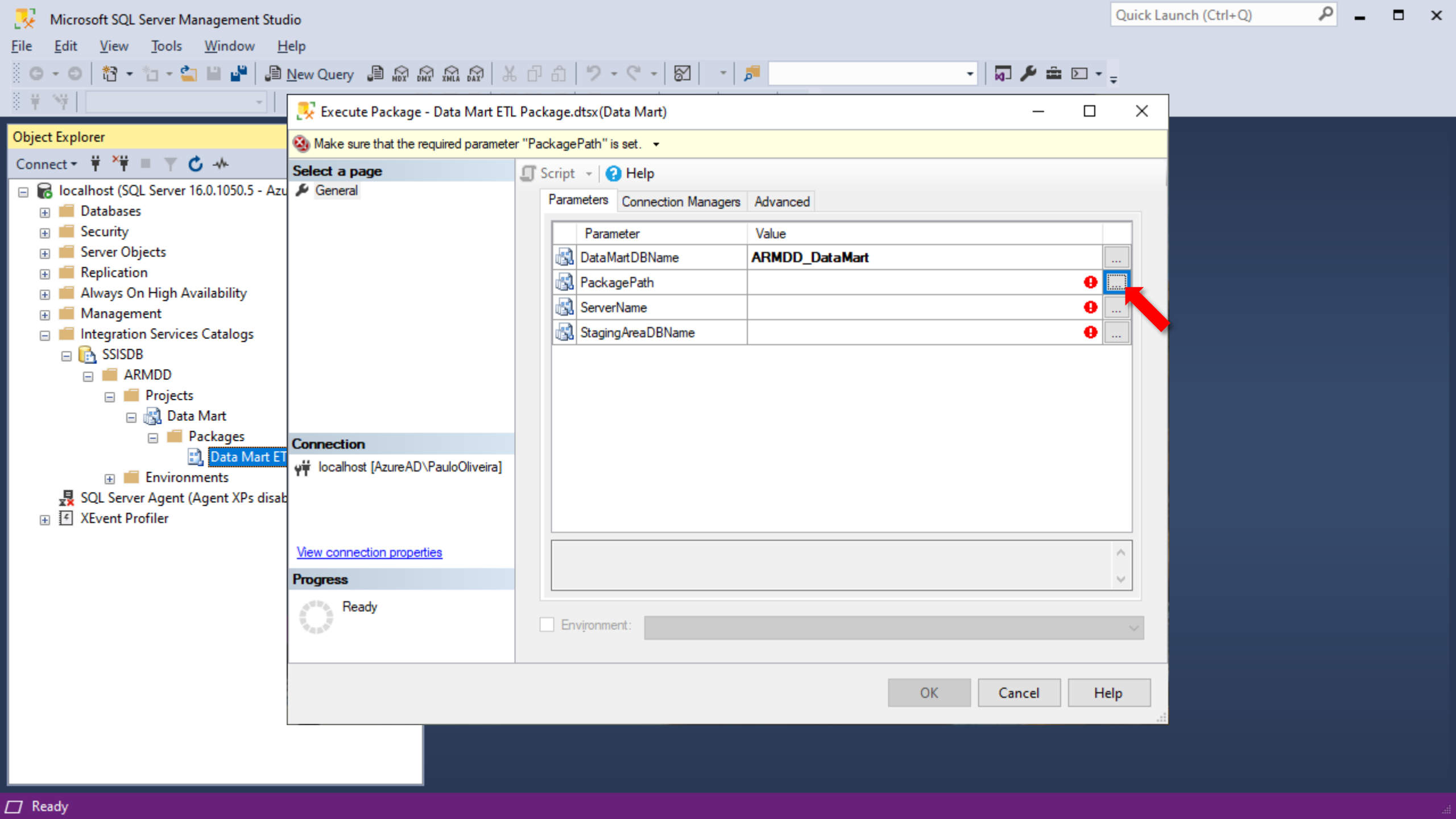
Help

OK

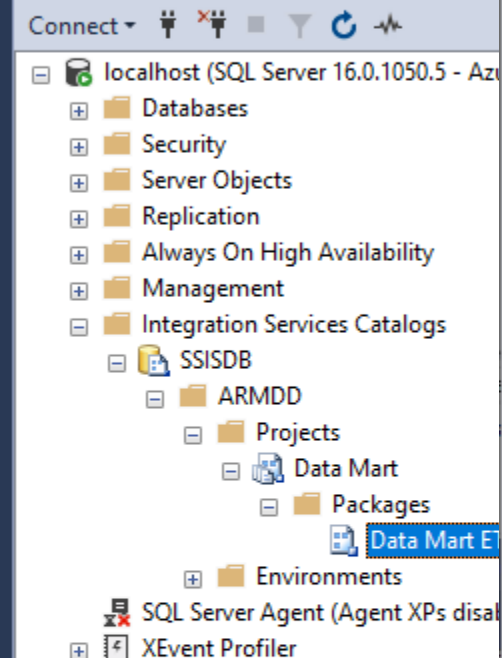
Cancel

Help

Accept the default value (ARMDD_DataMart).



Object Explorer



Execute Package - Data Mart ETL Package.dtsx(Data Mart)

Make sure that the required parameter "PackagePath" is set. ▾

Select a page

General

Script ▾ ? Help

Edit Literal Value for Execution

Parameter:
[Data Mart].[PackagePath]

Type:
String, Required

Description:

Value:
C:\Temp\ARMDD\Data Mart

OK Cancel Help

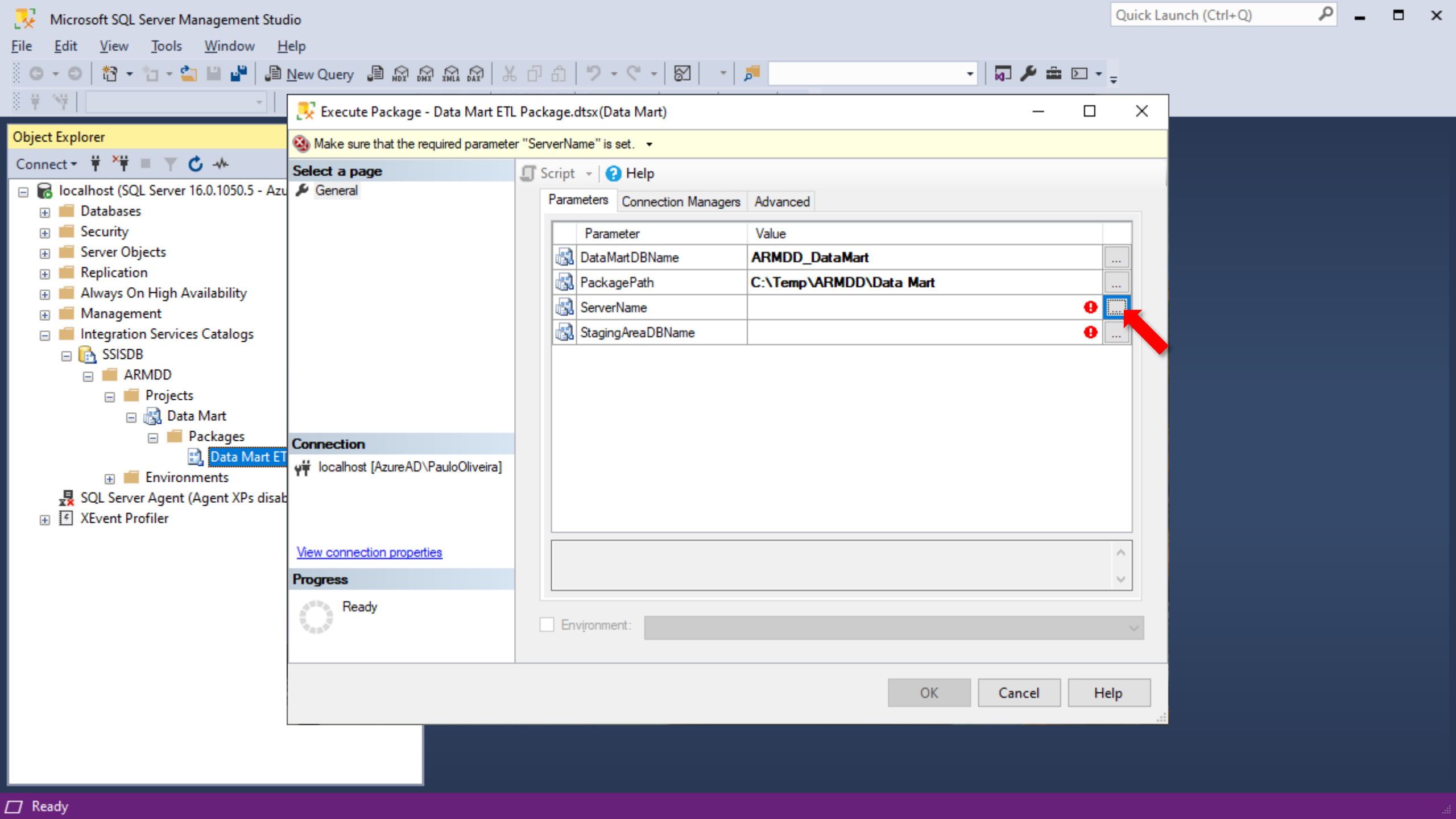
Connection

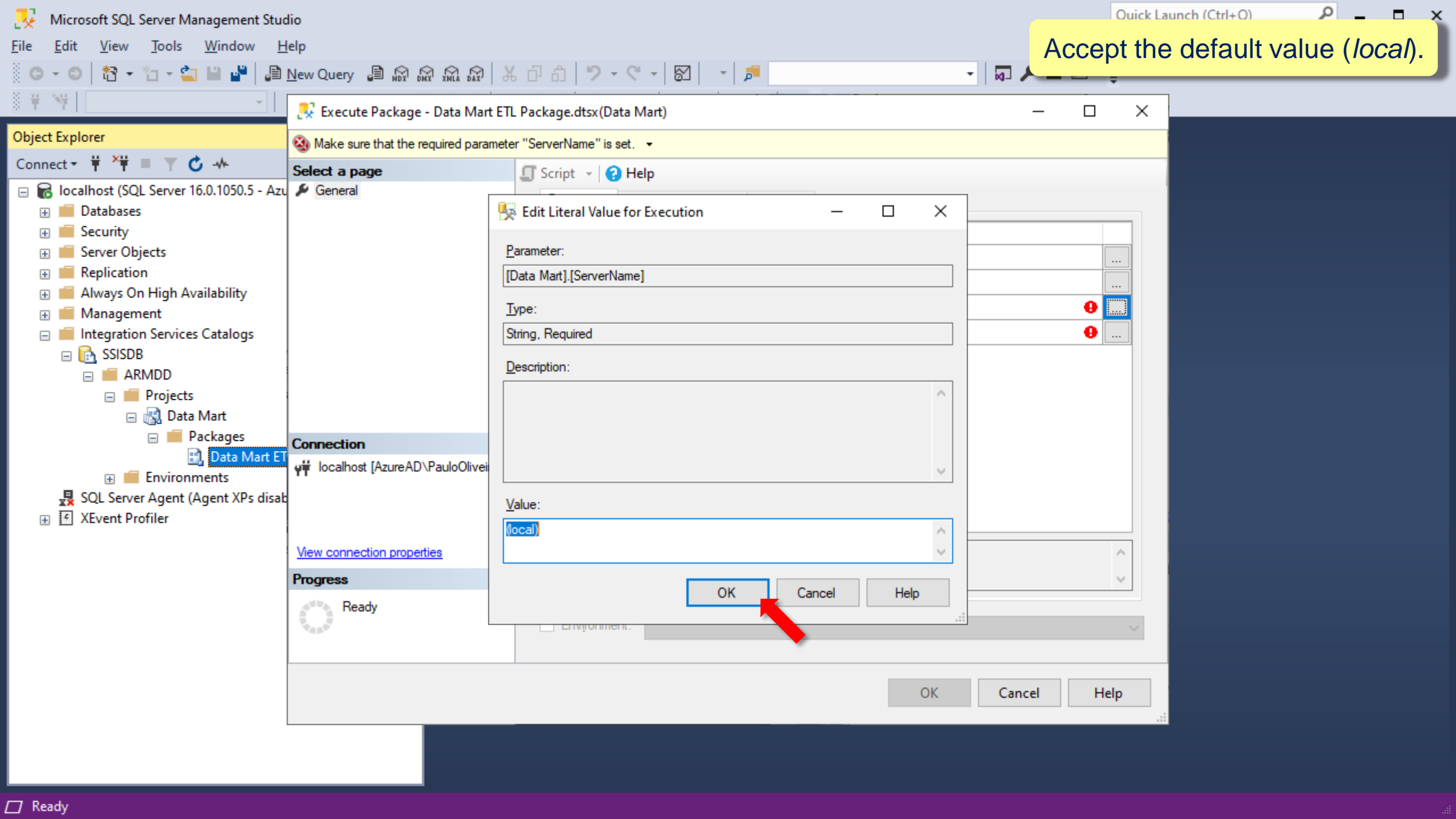
localhost [AzureAD\PauloOliveir

[View connection properties](#)

Progress

Ready





Accept the default value (*local*).

Edit Literal Value for Execution

Parameter:

[Data Mart].[ServerName]

Type:

String, Required

Description:

Value:

(local)

OK

Cancel

Help

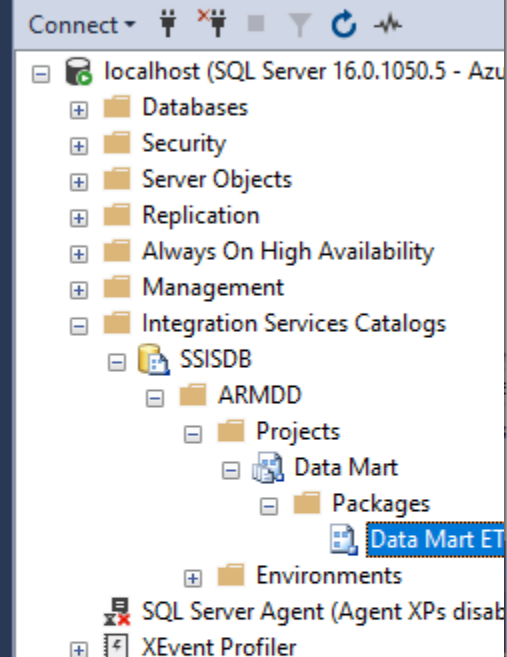
OK

Cancel

Help

Accept the default value (*ARMDD_StagingArea*).

Object Explorer



Execute Package - Data Mart ETL Package.dtsx(Data Mart)

Make sure that the required parameter "StagingAreaDBName" is set.

Select a page

General

Script Help

Edit Literal Value for Execution

Parameter:

[Data Mart].[StagingAreaDBName]

Type:

String, Required

Description:

Value:

ARMDD_StagingArea

OK

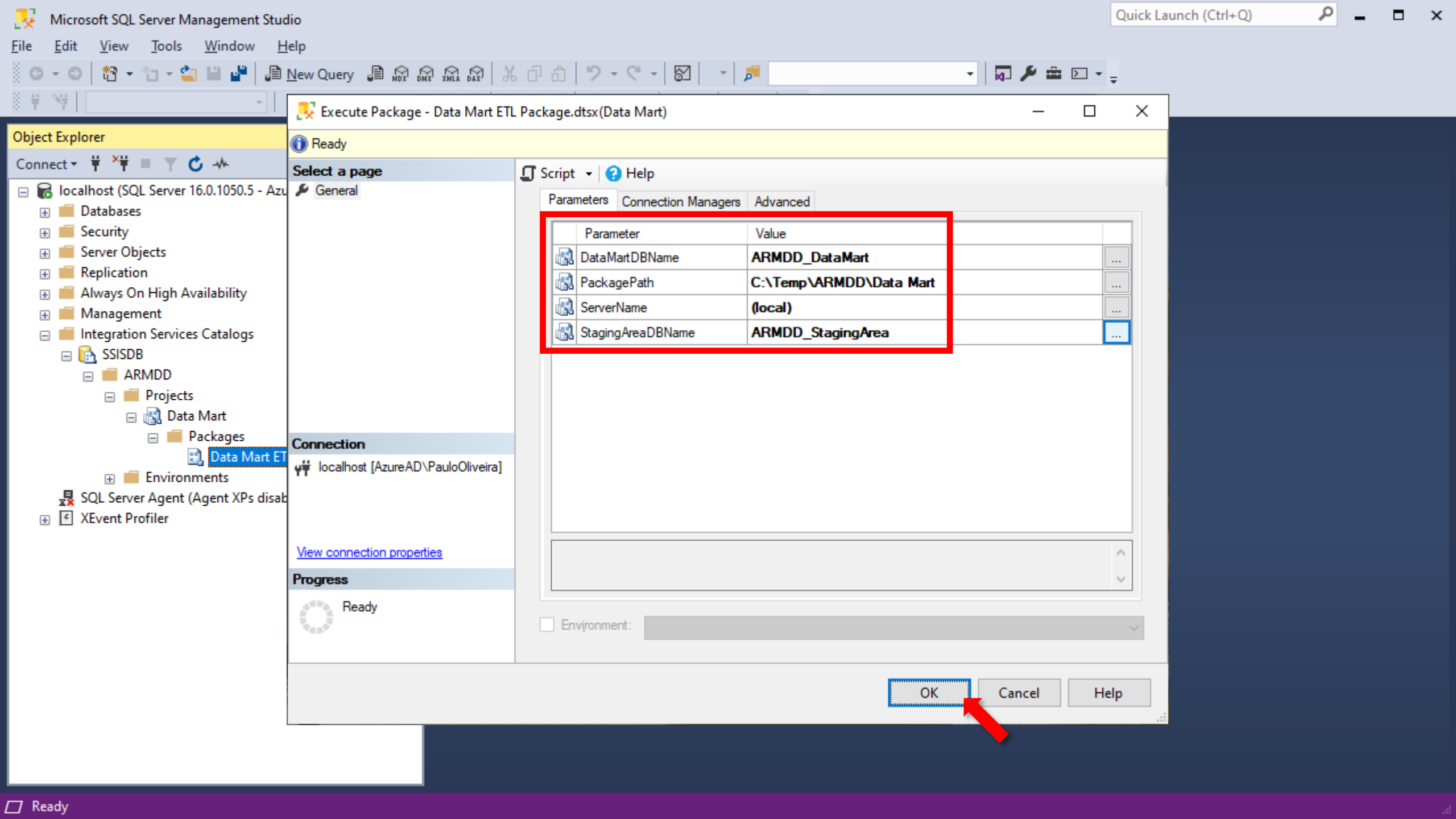
Cancel

Help

OK

Cancel

Help





Select the option to view the Execution Overview Report.

Object Explorer

Connect

- localhost (SQL Server 16.0.1050.5 - AzureAD\PauloOliveira)
 - Databases
 - Security
 - Server Objects
 - Replication
 - Always On High Availability
 - Management
 - Integration Services Catalogs
 - SSISDB
 - ARMDD
 - Projects
 - Data Mart
 - Packages
 - Data Mart ETL Package.dtsx
 - Environments
 - SQL Server Agent (Agent XPs disabled)
 - XEvent Profiler

Microsoft SQL Server Management Studio



The operation, ID 2, has started. For information about package executions and validations, open the Integration Services Dashboard report from the SSISDB node. For information about other Integration Services operations, open the All Operations report from the SSISDB node.

Would you like to open Overview Report now?

Copy message

Yes

No

An overview of the package execution is displayed.

Object Explorer

Connect

- localhost (SQL Server 16.0.1050.5 - AzureAD\PauloOliveira)
 - Databases
 - Security
 - Server Objects
 - Replication
 - Always On High Availability
 - Management
 - Integration Services Catalogs
 - SSISDB
 - ARMDD
 - Projects
 - Data Mart
 - Packages
 - Data Mart ETL Package.dtsx
 - Environments
 - SQL Server Agent (Agent XPs disabled)
 - XEvent Profiler

Overview - 17/11/...- DESKTOP-ACEDDKF

Execution Information

Operation ID	2
Package	ARMDD\Data Mart\Data Mart ETL Package.dtsx
Environment	-
Status	Running
Machine	DESKTOP-ACEDDKF

Execution Overview

Filter: Result: All; (3 more)

Result	Duration (sec)	Package Name	Task Name	Execution Path
Succeeded	0,25	Data Mart ETL Package.dtsx	Create Data Mart Database	\Data Mart ETL Package\Create Data Mart Database
Succeeded	0,25	Data Mart ETL Package.dtsx	Create Staging Area Database	\Data Mart ETL Package\Create Staging Area Database
Succeeded	24,266	Data Mart ETL Package.dtsx	Foreach DAT File	\Data Mart ETL Package\Foreach DAT File
Succeeded	3,078	Data Mart ETL Package.dtsx	Load DAT File Into Table	\Data Mart ETL Package\Foreach DAT File[1]\Load DAT File Into Table
Succeeded	3,031	Data Mart ETL Package.dtsx	Load DAT File Into Table	\Data Mart ETL Package\Foreach DAT File[2]\Load DAT File Into Table
Succeeded	3,032	Data Mart ETL Package.dtsx	Load DAT File Into Table	\Data Mart ETL Package\Foreach DAT File[3]\Load DAT File Into Table

Parameters Used

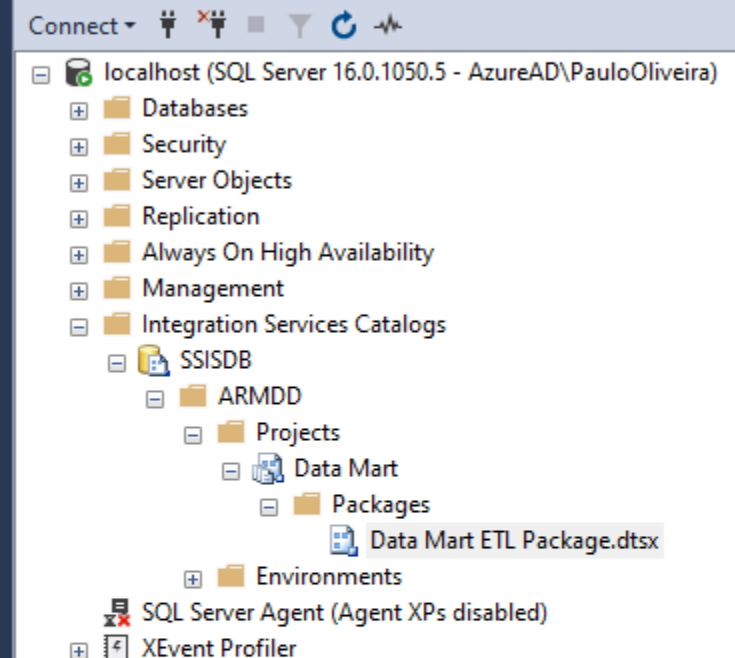
Name	Value
CALLER_INFO	
DataMartDBName	ARMDD_DataMart
DUMP_EVENT_CODE	0
DUMP_ON_ERROR	False
DUMP_ON_EVENT	False
LOGGING_LEVEL	1
PackagePath	C:\Temp\ARMDD\Data M
ServerName	(local)
StagingAreaDBName	ARMDD_StagingArea
SYNCHRONIZED	False

Property Overrides

File Edit View Tools Window Help



Object Explorer



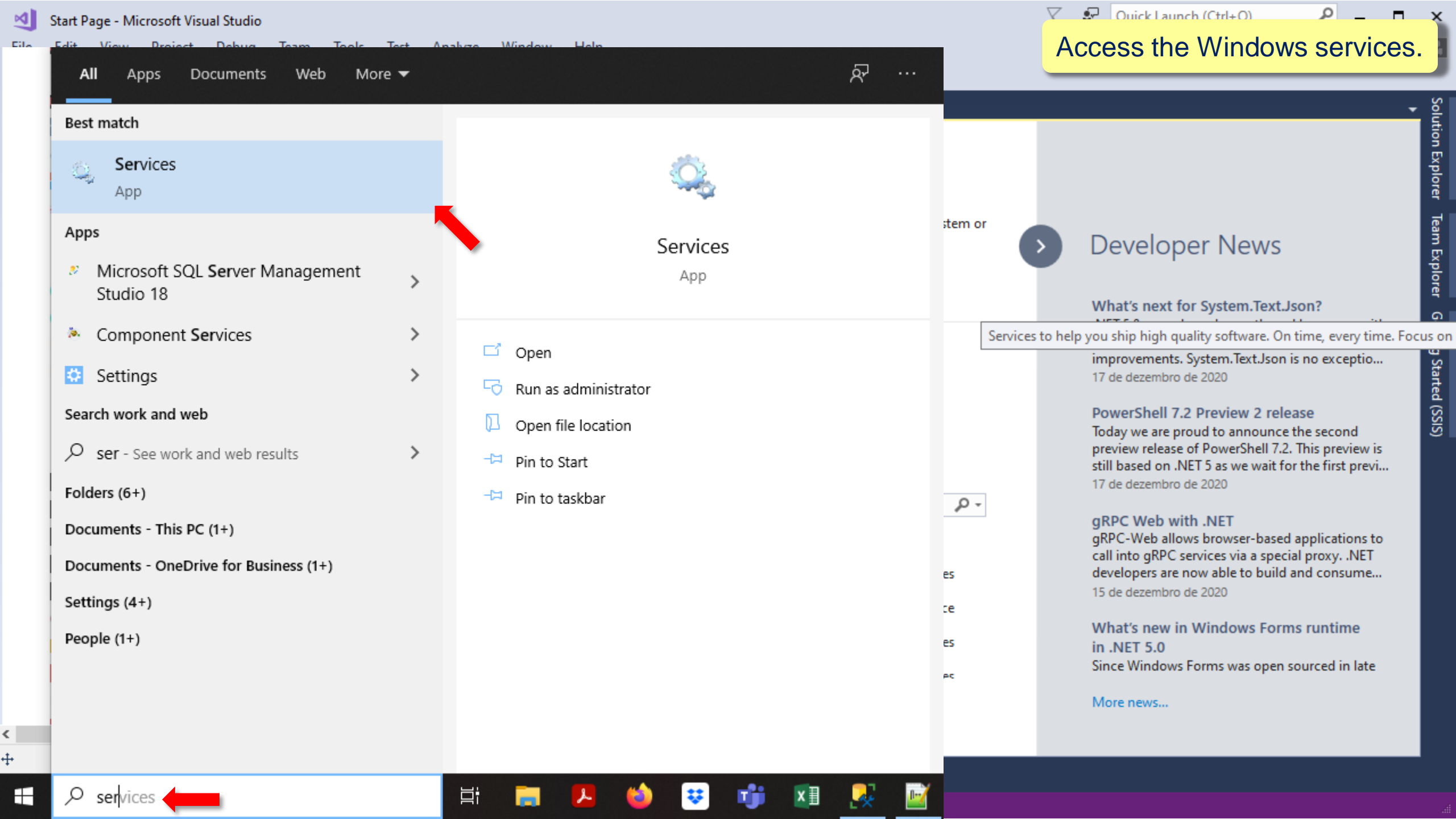
Overview - 17/11/... - DESKTOP-ACEDDKF

		Package.dtsx			\Foreach DM Create Table Script(3)\Execute DM Script
Succeeded	0,047	Data Mart ETL Package.dtsx	Execute DM Script		\Data Mart ETL Package \Foreach DM Create Table Script(4)\Execute DM Script
Succeeded	0,031	Data Mart ETL Package.dtsx	Execute DM Script		\Data Mart ETL Package \Foreach DM Create Table Script(5)\Execute DM Script
Succeeded	0,015	Data Mart ETL Package.dtsx	Execute DM Script		\Data Mart ETL Package \Foreach DM Create Table Script(6)\Execute DM Script
Succeeded	0,047	Data Mart ETL Package.dtsx	Execute DM Script		\Data Mart ETL Package \Foreach DM Create Table Script(7)\Execute DM Script
Succeeded	4,578	Data Mart ETL Package.dtsx	Foreach SA Create Table Script		\Data Mart ETL Package \Foreach SA Create Table Script
Succeeded	4,234	Data Mart ETL Package.dtsx	Execute SA Script		\Data Mart ETL Package \Foreach SA Create Table Script(1)\Execute SA Script
Succeeded	0	Data Mart ETL Package.dtsx	Execute SA Script		\Data Mart ETL Package \Foreach SA Create Table Script(10)\Execute SA Script
Succeeded	0	Data Mart ETL Package.dtsx	Execute SA Script		\Data Mart ETL Package \Foreach SA Create Table Script(11)\Execute SA Script
Succeeded	0,063	Data Mart ETL Package.dtsx	Execute SA Script		\Data Mart ETL Package \Foreach SA Create Table Script(12)\Execute SA Script

1 / 2


Use scroll wheel or PAGE UP & PAGE DOWN to move through pages.

Scroll down to see more details.
You can also use *Page Down* to see the next page of details.





Access the Windows services.

Best match

 **Services**
App


Apps

 Microsoft SQL Server Management Studio 18

 Component Services

 Settings

Search work and web

 ser - See work and web results

Folders (6+)

Documents - This PC (1+)






Documents - OneDrive for Business (1+)

Settings (4+)

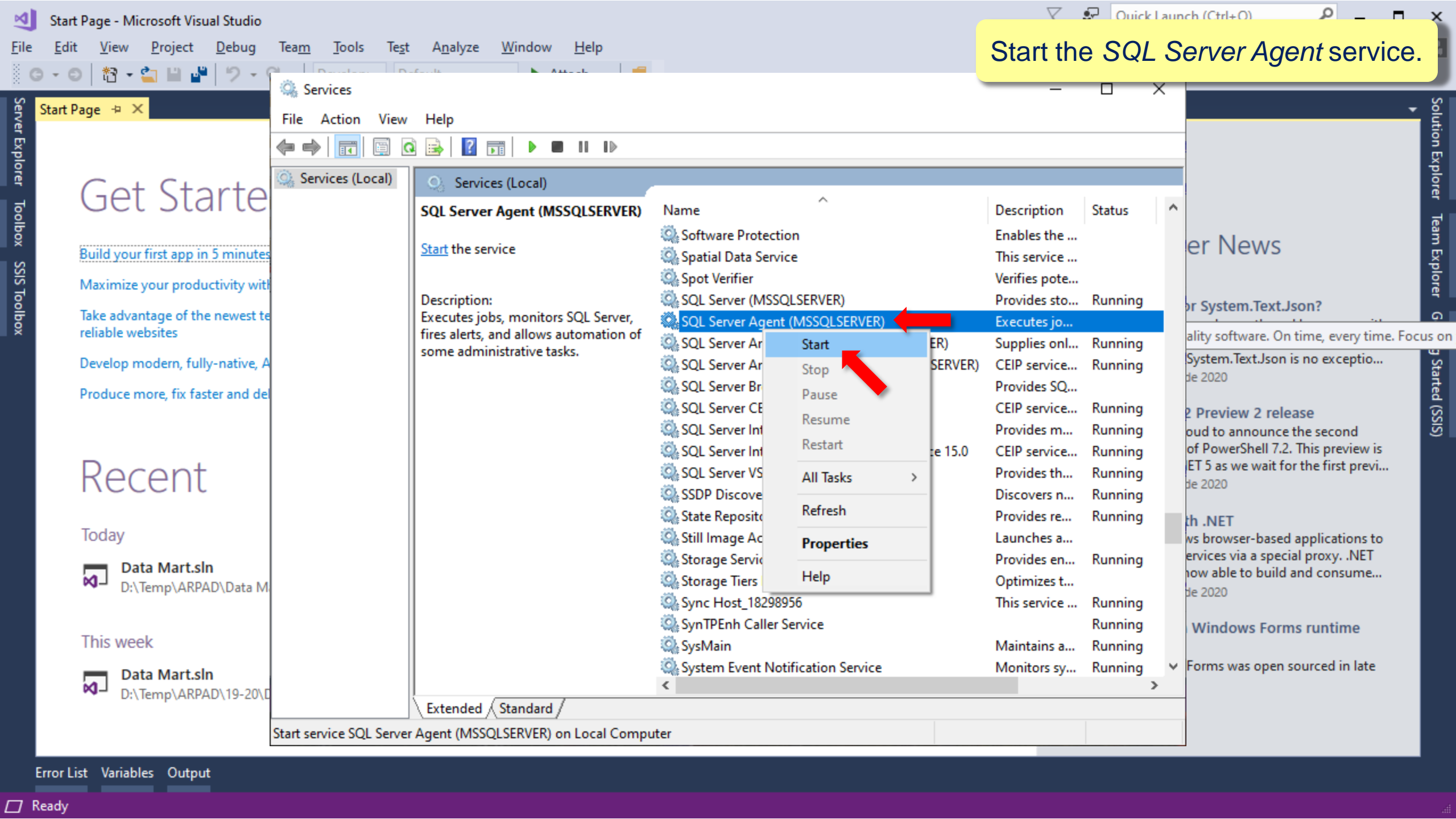
People (1+)



Services
App

-  Open
-  Run as administrator
-  Open file location
-  Pin to Start
-  Pin to taskbar

 services



Start the *SQL Server Agent* service.

SQL Server Agent (MSSQLSERVER)

[Start](#) the service

Description:
Executes jobs, monitors SQL Server, fires alerts, and allows automation of some administrative tasks.

Name	Description	Status
Software Protection	Enables the ...	
Spatial Data Service	This service ...	
Spot Verifier	Verifies pote...	
SQL Server (MSSQLSERVER)	Provides sto...	Running
SQL Server Agent (MSSQLSERVER)	Executes jo...	
SQL Server Analysis Services (MSSQLSERVER)	Supplies onl...	Running
SQL Server Backup Exec Service (MSSQLSERVER)	CEIP service...	Running
SQL Server Browser	Provides SQ...	
SQL Server CEIP Service	CEIP service...	Running
SQL Server Integration Services (MSSQLSERVER)	Provides m...	Running
SQL Server Reporting Services (MSSQLSERVER)	CEIP service...	Running
SQL Server VSSS Service	Provides th...	Running
SSDP Discovery	Discovers n...	Running
State Repository	Provides re...	Running
Still Image Acquisition Service	Launches a...	
Storage Service	Provides en...	Running
Storage Tiers	Optimizes t...	
Sync Host_18298956	This service ...	Running
SynTPEnh Caller Service		Running
SysMain	Maintains a...	Running
System Event Notification Service	Monitors sy...	Running

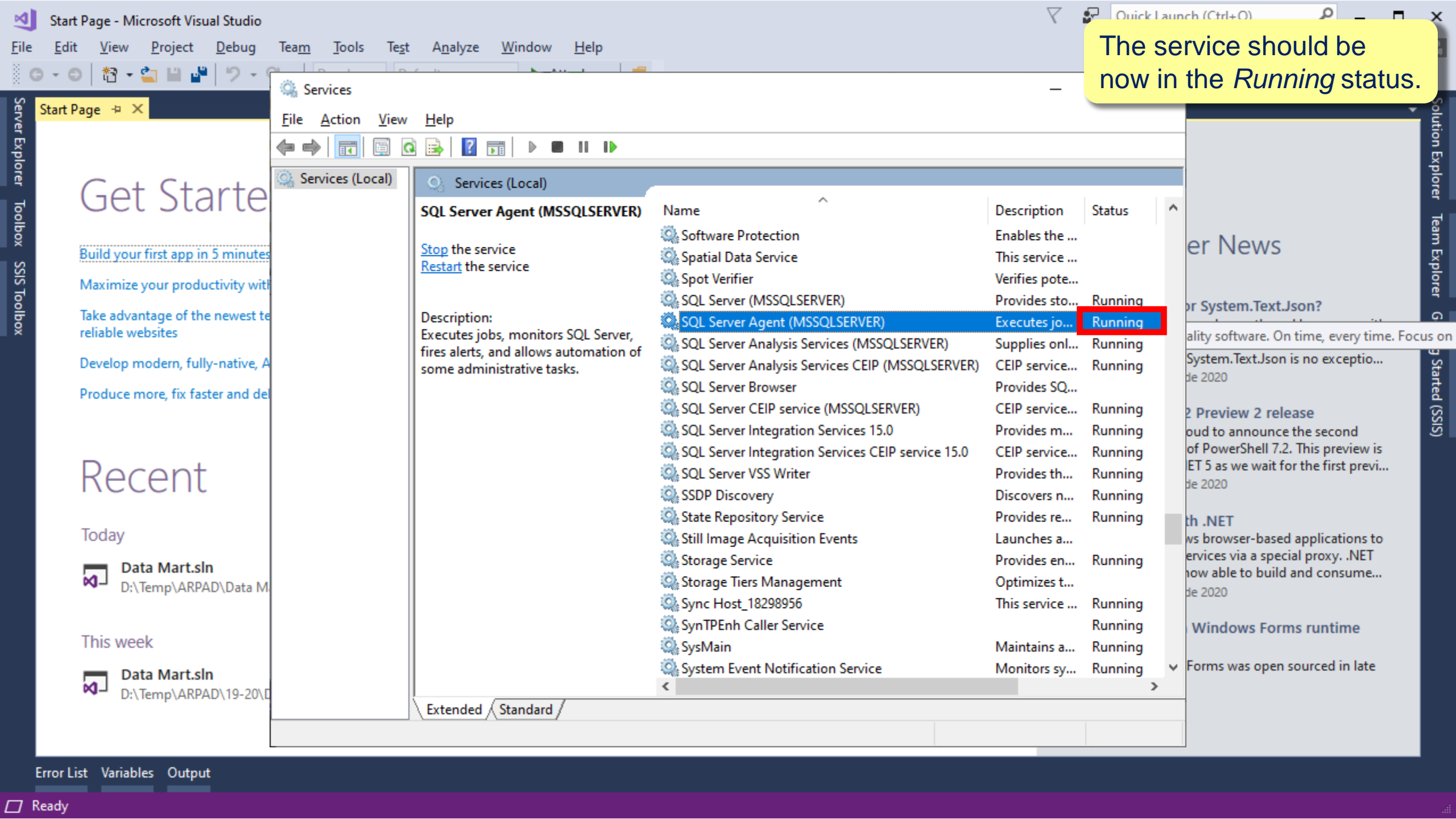
- Start
- Stop
- Pause
- Resume
- Restart
- All Tasks >
- Refresh
- Properties
- Help

Extended Standard

Start service SQL Server Agent (MSSQLSERVER) on Local Computer

Error List Variables Output

Ready



The service should be now in the *Running* status.

SQL Server Agent (MSSQLSERVER)

[Stop](#) the service
[Restart](#) the service

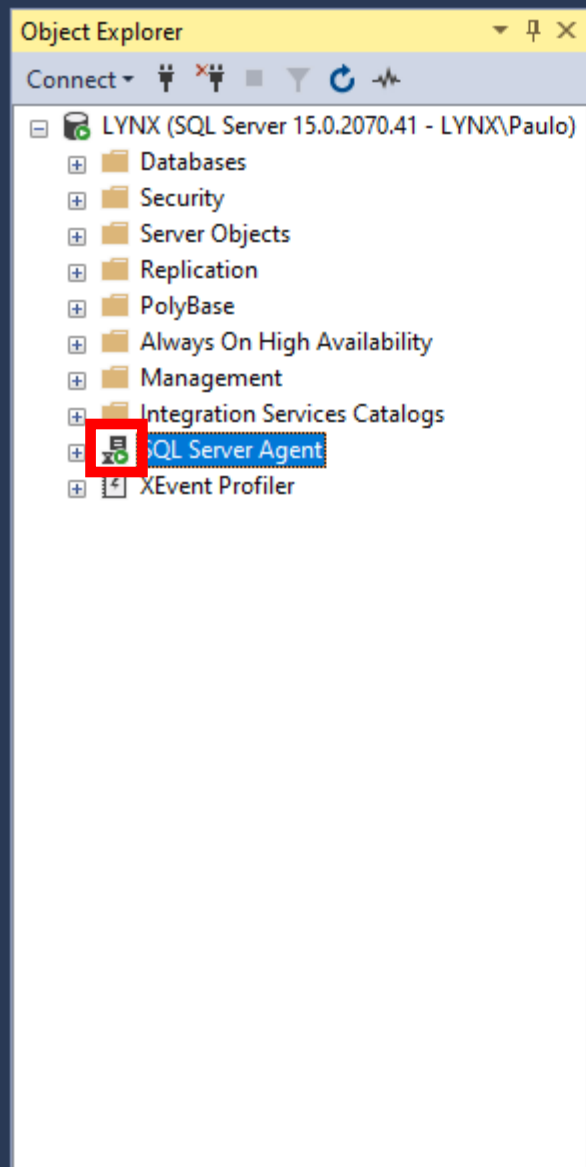
Description:
Executes jobs, monitors SQL Server, fires alerts, and allows automation of some administrative tasks.

Name	Description	Status
Software Protection	Enables the ...	
Spatial Data Service	This service ...	
Spot Verifier	Verifies pote...	
SQL Server (MSSQLSERVER)	Provides sto...	Running
SQL Server Agent (MSSQLSERVER)	Executes jo...	Running
SQL Server Analysis Services (MSSQLSERVER)	Supplies onl...	Running
SQL Server Analysis Services CEIP (MSSQLSERVER)	CEIP service...	Running
SQL Server Browser	Provides SQ...	
SQL Server CEIP service (MSSQLSERVER)	CEIP service...	Running
SQL Server Integration Services 15.0	Provides m...	Running
SQL Server Integration Services CEIP service 15.0	CEIP service...	Running
SQL Server VSS Writer	Provides th...	Running
SSDP Discovery	Discovers n...	Running
State Repository Service	Provides re...	Running
Still Image Acquisition Events	Launches a...	
Storage Service	Provides en...	Running
Storage Tiers Management	Optimizes t...	
Sync Host_18298956	This service ...	Running
SynTPEnh Caller Service		Running
SysMain	Maintains a...	Running
System Event Notification Service	Monitors sy...	Running

Extended Standard

Error List Variables Output

Ready



1 / 2 Use scroll wheel or PAGE UP & PAGE DOWN to move through pages.

File Edit View Project Tools Window Help



Expand *SQL Server Agent* and right click on *Jobs* to create a *New Job*.

Object Explorer

Connect

LYNX (SQL Server 15.0.2070.41 - LYNX\Paulo)

- [-] Databases
- [-] Security
- [-] Server Objects
- [-] Replication
- [-] PolyBase
- [-] Always On High Availability
- [-] Management
- [-] Integration Services Catalogs
- [-] SQL Server Agent
 - [-] **Jobs**
 - [-] Job Alerts
 - [-] Operator
 - [-] Proxy
 - [-] Error
 - [-] XEvent

- New Job...
- Manage Schedules
- Manage Job Categories
- Migrate SSIS Jobs to ADF
- View History
- Filter
- Start PowerShell
- Reports
- Refresh

Overview - 11/01/2021 11:21 - LYNX

					[6]\Load DAT File into Table
Succeeded	3,016	Package.dtsx	Load DAT File into Table	\Package\Foreach DAT File	[7]\Load DAT File into Table
Succeeded	0,563	Package.dtsx	Foreach DM Create Table Script	\Package\Foreach DM Create Table Script	
Succeeded	0,157	Package.dtsx	Execute DM Script	\Package\Foreach DM Create Table Script(1)\Execute DM Script	
Succeeded	0,046	Package.dtsx	Execute DM Script	\Package\Foreach DM Create Table Script(2)\Execute DM Script	
Succeeded	0,063	Package.dtsx	Execute DM Script	\Package\Foreach DM Create Table Script(3)\Execute DM Script	
Succeeded	0,016	Package.dtsx	Execute DM Script	\Package\Foreach DM Create Table Script(4)\Execute DM Script	
Succeeded	0,156	Package.dtsx	Execute DM Script	\Package\Foreach DM Create Table Script(5)\Execute DM Script	
Succeeded	0,062	Package.dtsx	Execute DM Script	\Package\Foreach DM Create Table Script(6)\Execute DM Script	
Succeeded	0,063	Package.dtsx	Execute DM Script	\Package\Foreach DM Create Table Script(7)\Execute DM Script	
Succeeded	1,343	Package.dtsx	Foreach SA Create Table Script	\Package\Foreach SA Create Table Script	

1 / 2

Use scroll wheel or PAGE UP & PAGE DOWN to move through pages.

New Job

Select a page

General

Steps

Schedules

Alerts

Notifications

Targets

Connection

Server:
DESKTOP-ACEDDKF

Connection:
AzureAD\PauloOliveira

[View connection properties](#)

Progress

Ready

Script Help

Name:

Data Mart Job

Owner:

AzureAD\PauloOliveira

Category:

[Uncategorized (Local)]

Description:

☒ Enabled

OK

Cancel

Name the job as *Data Mart Job*.

Create a new Step.

File Edit View Project Tools Window

New Query

Object Explorer

Connect

LYNX (SQL Server 15.0.2070.41 - LYNX\Paulo)

- Databases
- Security
- Server Objects
- Replication
- PolyBase
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent
 - Jobs
 - Job Activity Monitor
 - Alerts
- Operators
- Proxies
- Error Logs
- XEvent Profiler

New Job

Select a page

General

Steps

Schedules

Alerts

Notifications

Targets

Script

Help

Job step list:

St...	Name	Type	On Success	On Failure
-------	------	------	------------	------------

Connection

Server:

DESKTOP-ACEDDKF

Connection:

AzureAD\PauloOliveira

View connection properties

Progress

Ready

Move step:

Start step:

New...

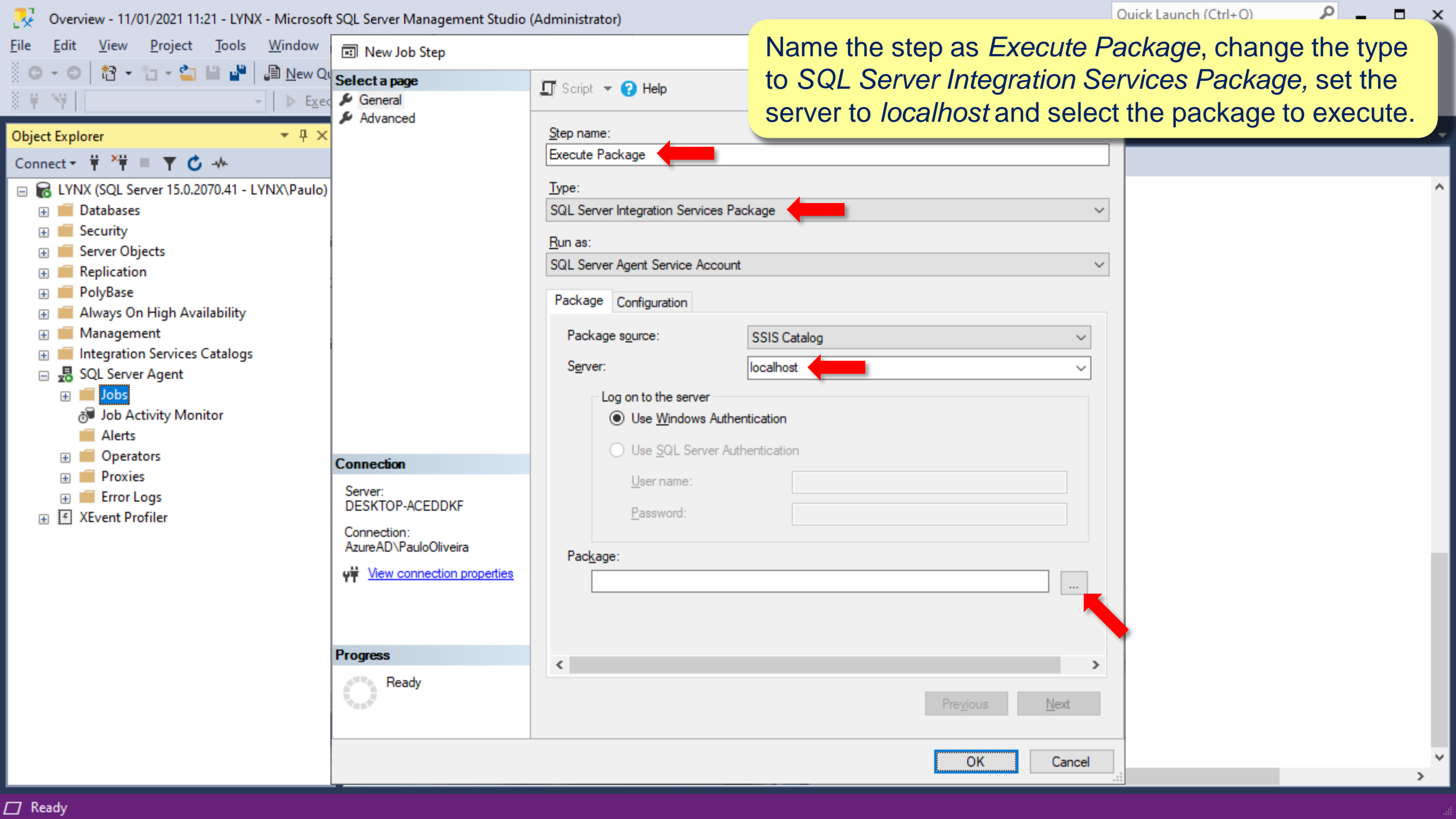
Insert...

Edit

Delete

OK

Cancel



Name the step as *Execute Package*, change the type to *SQL Server Integration Services Package*, set the server to *localhost* and select the package to execute.

Select the *Data Mart ETL Package*.

File Edit View Project Tools Window

Object Explorer

Connect

LYNX (SQL Server 15.0.2070.41 - LYNX\Paulo)

- Databases
- Security
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 - Alerts
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- Proxies
- Error Logs
- XEvent Profiler

New Job Step

Select a page

- General
- Advanced

Connection

Server:
LYNX

Connection:
LYNX\Paulo

[View connection properties](#)

Progress

Ready

Script Help

Step name:

Execute Package

Type:

SQL Server Integration Services Package

Select an SSIS Package

Integration Services Catalogs

SSISDB

ARMDD

Data Mart

Data Mart ETL Package.dtsx

OK

Cancel

Previous

Next

OK

Cancel

Object Explorer

Connect

- LYNX (SQL Server 15.0.2070.41 - LYNX\Paulo)
 - Databases
 - Security
 - Server Objects
 - Replication
 - PolyBase
 - Always On High Availability
 - Management
 - Integration Services Catalogs
 - SQL Server Agent
 - Jobs**
 - Job Activity Monitor
 - Alerts
 - Operators
 - Proxies
 - Error Logs
 - XEvent Profiler

New Job Step

Select a page

- General
- Advanced

Connection

Server:
DESKTOP-ACEDDKF

Connection:
AzureAD\PauloOliveira

[View connection properties](#)

Progress



Script ? Help

Step name:

Execute Package

Type:

SQL Server Integration Services Package

Run as:

SQL Server Agent Service Account

Package Configuration

Package source:

SSIS Catalog

Server:

localhost

Log on to the server

☒ Use Windows Authentication

☐ Use SQL Server Authentication

User name:

Password:

Package:

\\SSISDB\\ARMDD\\Data Mart\\Data Mart ETL Package.dtsx

Previous

Next

OK

Cancel

Quick Launch (Ctrl+O)

Check if all parameters are properly configured.

File Edit View Project Tools Window

Object Explorer

Connect

LYNX (SQL Server 15.0.2070.41 - LYNX\Paulo)

- Databases
- Security
- Server Objects
- Replication
- PolyBase
- Always On High Availability
- Management
- Integration Services Catalogs
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 - Jobs
 - Job Activity Monitor
 - Alerts
- Operators
- Proxies
- Error Logs
- XEvent Profiler

New Job Step

Select a page

- General
- Advanced

Script Help

Step name: Execute Package

Type: SQL Server Integration Services Package

Run as: SQL Server Agent Service Account

Package Configuration

Parameters Connection Managers Advanced

Parameter	Value
DataMartDBName	ARMDD_DataMart
PackagePath	C:\Temp\ARMDD\Data Mart
ServerName	(local)
StagingAreaDBName	ARMDD_StagingArea

Environment:

Previous Next

OK Cancel

Connection

Server: DESKTOP-ACEDDKF

Connection: AzureAD\PauloOliveira

[View connection properties](#)

Progress

Ready

File Edit View Project Tools Window



Object Explorer

Connect

- LYNX (SQL Server 15.0.2070.41 - LYNX\Paulo)
 - Databases
 - Security
 - Server Objects
 - Replication
 - PolyBase
 - Always On High Availability
 - Management
 - Integration Services Catalogs
 - SQL Server Agent
 - Jobs**
 - Job Activity Monitor
 - Alerts
 - Operators
 - Proxies
 - Error Logs
 - XEvent Profiler

New Job

Select a page

General
Steps
Schedules
Alerts
Notifications
Targets

Script ? Help

Job step list:

St...	Name	Type	On Success	On Failure
1	Execute Package	SQL Serv...	Go to the ...	Quit the jo...

Connection

Server:
DESKTOP-ACEDDKF

 Connection:
AzureAD\PauloOliveira

[View connection properties](#)

Progress

Ready

Move step:

Start step:

1:Execute Package

New...

Insert...


Edit

Delete

OK

Cancel

New Job Schedule


Name: 

Schedule type: ☒ Enabled

One-time occurrence

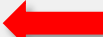
Date: Time:

Frequency

Occurs: 

Recurs every: day(s)

Daily frequency

☒ Occurs once at: 

☐ Occurs every: hour(s)

Starting at:

Ending at:

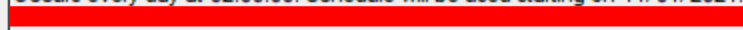
Duration

Start date:

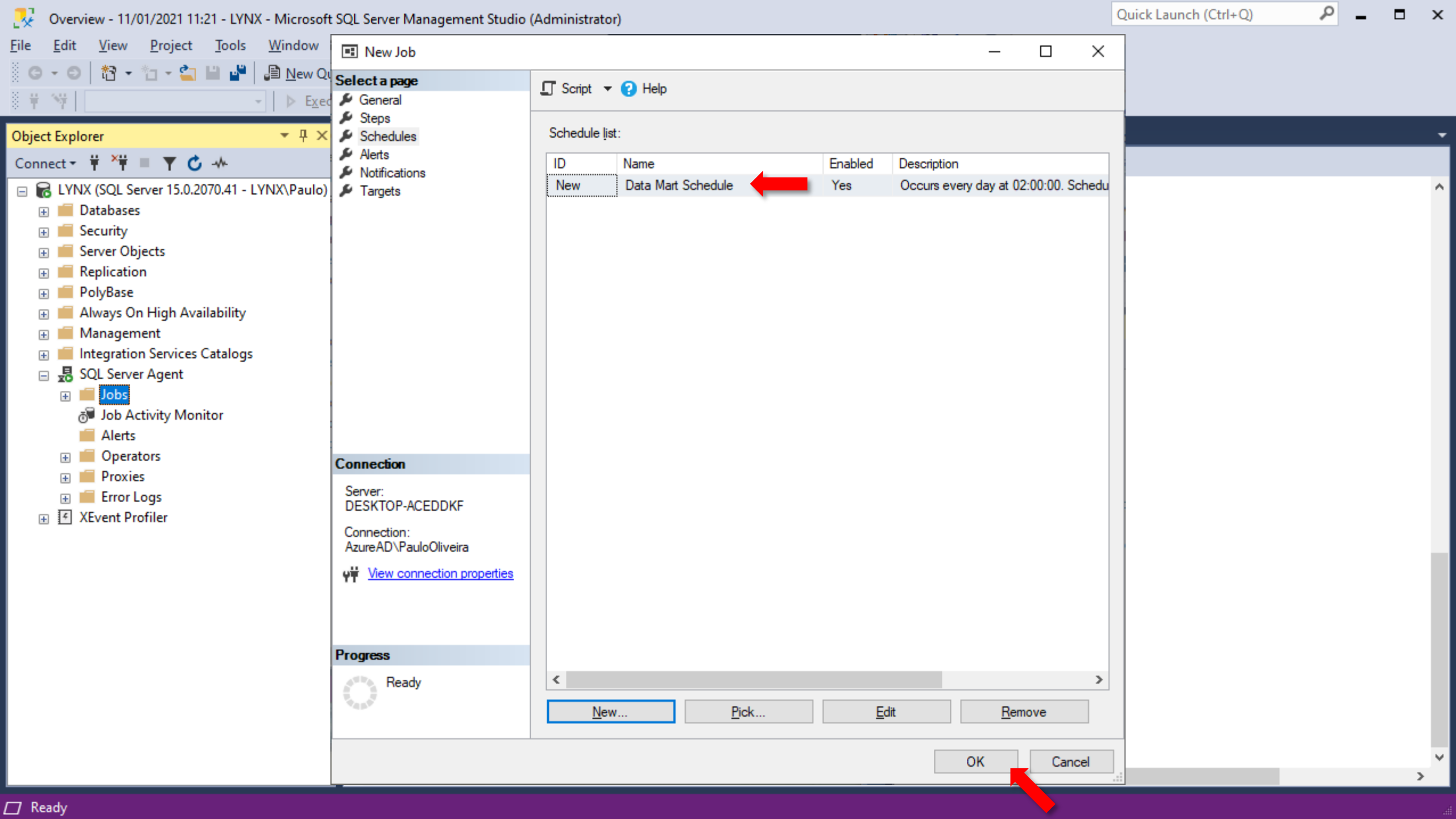
☐ End date:

☒ No end date:

Summary

Description: 

Name the schedule as *Data Mart Schedule*, with a daily frequency, occurring once at 2:00:00.



Object Explorer

Connect

- LYNX (SQL Server 15.0.2070.41 - LYNX\Paulo)
 - Databases
 - Security
 - Server Objects
 - Replication
 - PolyBase
 - Always On High Availability
 - Management
 - Integration Services Catalogs
 - SQL Server Agent
 - Jobs
 - SSIS Server Maintenance Job
 - syspolicy_purge_history
 - Data Mart Job**
 - Job Activity Monitor
 - Alerts
 - Operators
 - Proxies
 - Error Logs
 - XEvent Profiler

Overview - 11/01/2021 11:21 - LYNX

					[6]\Load DAT File into Table
Succeeded	3,016	Package.dtsx	Load DAT File into Table	\Package\Foreach DAT File [7]\Load DAT File into Table	
Succeeded	0,563	Package.dtsx	Foreach DM Create Table Script	\Package\Foreach DM Create Table Script	
Succeeded	0,157	Package.dtsx	Execute DM Script	\Package\Foreach DM Create Table Script[1]\Execute DM Script	
Succeeded	0,046	Package.dtsx	Execute DM Script	\Package\Foreach DM Create Table Script[2]\Execute DM Script	
Succeeded	0,063	Package.dtsx	Execute DM Script	\Package\Foreach DM Create Table Script[3]\Execute DM Script	
Succeeded	0,016	Package.dtsx	Execute DM Script	\Package\Foreach DM Create Table Script[4]\Execute DM Script	
Succeeded	0,156	Package.dtsx	Execute DM Script	\Package\Foreach DM Create Table Script[5]\Execute DM Script	
Succeeded	0,062	Package.dtsx	Execute DM Script	\Package\Foreach DM Create Table Script[6]\Execute DM Script	
Succeeded	0,063	Package.dtsx	Execute DM Script	\Package\Foreach DM Create Table Script[7]\Execute DM Script	
Succeeded	1,343	Package.dtsx	Foreach SA Create Table Script	\Package\Foreach SA Create Table Script	

1 / 2

Use scroll wheel or PAGE UP & PAGE DOWN to move through pages.

The new *Data Mart Job* appears in the *Jobs* folder and is ready to run the *Data Mart ETL Package* everyday at 2:00:00.