

Managing SSIS Projects



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Agenda



Managing SSIS Projects

Sharing connections between packages

Using project parameters in expressions

Creating the catalog

Deploying to catalog



Managing SSIS Projects

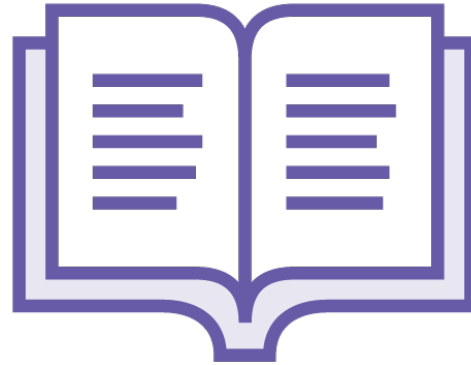


Managing SSIS Projects



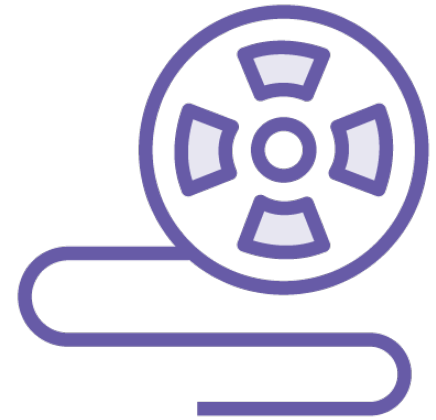
Projects

Can share information
with packages



Connections

Connects not created
in package

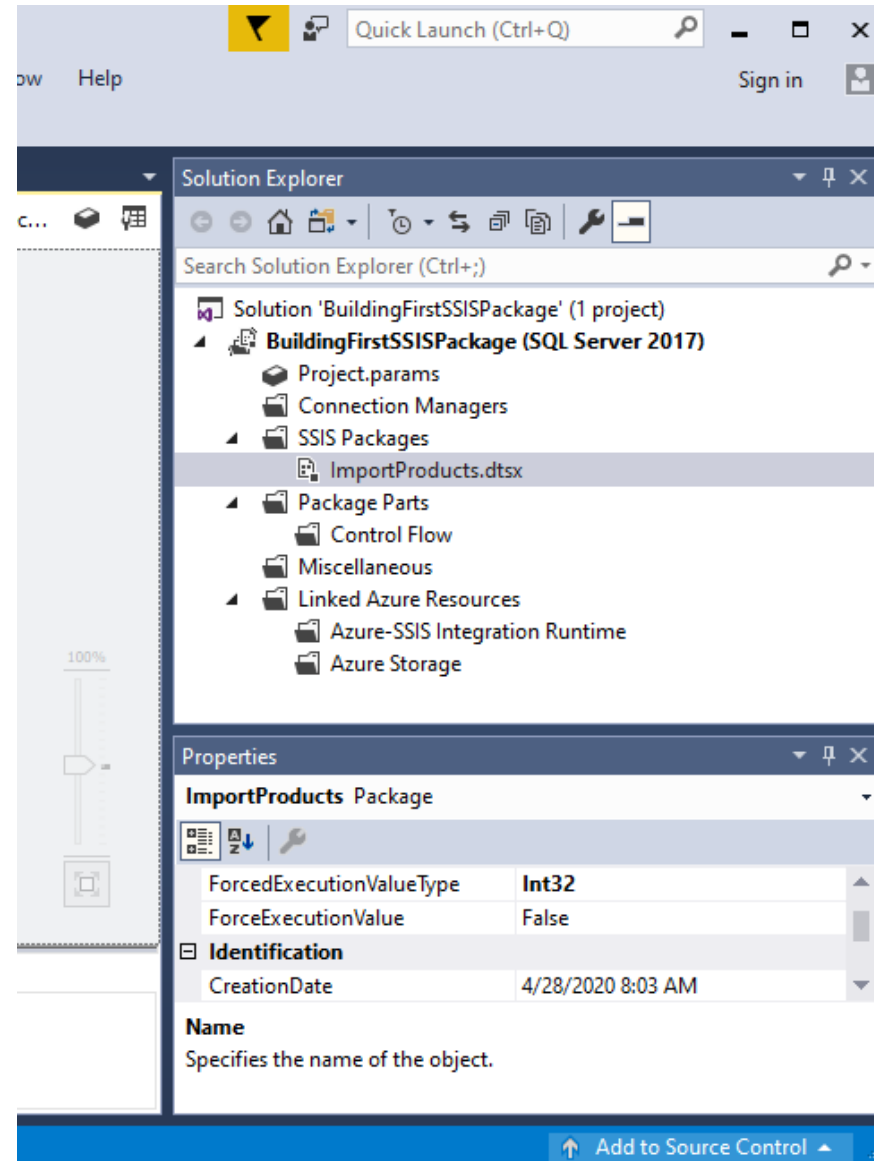


Parameters

Use variables in
package only when
necessary



Solution – top level
Solution has projects
Project has packages
Source control
Container for
connections and
parameters
Use expressions for
parameterization



Demo



Single packages with variables and connections



Sharing Connections between Packages

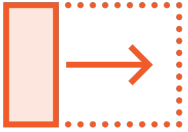


Connection Manager

Shared area for connections that all source and destination components depend on. Packages in a project can use the same connections.



Sharing Connections



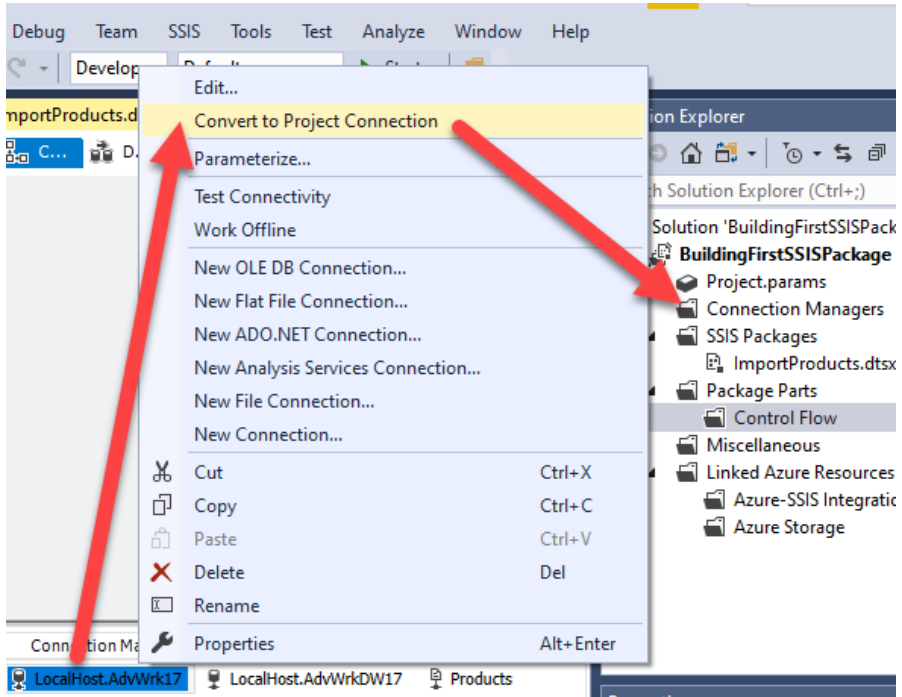
Move connections from package to project



Naming conventions



Use server name and initial catalog instead of connection string



- ## Package connection
- ## Convert to project
- ## Connection manager
- ## Shared
- Packages
 - Configurable
 - Deployed
 - Set environment

Demo



Package connection

Convert to project

Connection manager

- Naming
- Maintenance



Using Project Parameters in Expressions

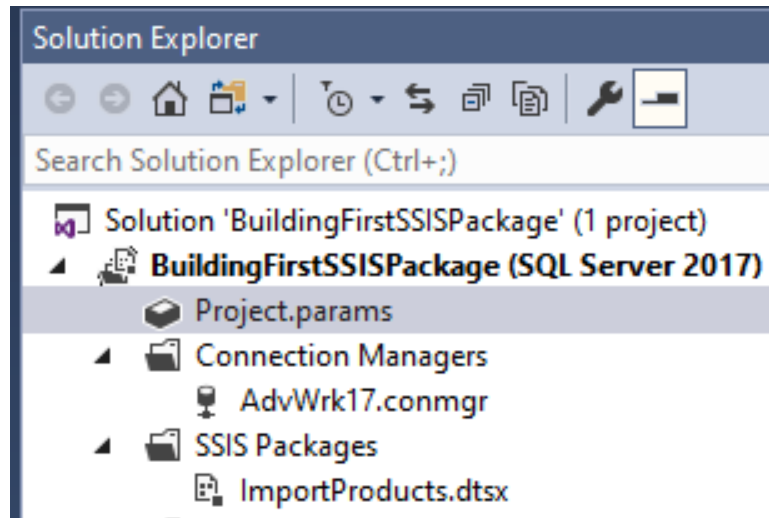


Project Parameters

Shared area for parameters. Packages in a project can use the same parameters. Execution of package can change the parameters before execution.



Example of Image Chunking Two Items



Project.params

Project parameters substitute for using variable in packages

Project.params [Design]*					
Name	Data type	Value	Sensitive	Required	
SourceDB	String	AdvWrk17	False	False	
SourceServre	String	Dev	False	False	

Expressions

Expressions used on SSIS components can be customized with these parameters



Demo



Create SourceDB and SourceServer

Use expressions for connection



Creating the Catalog



Catalog

Repository

Replaces using files or
deploying to MSDB

Not Source Control

There are versions, but not for
Source Control development

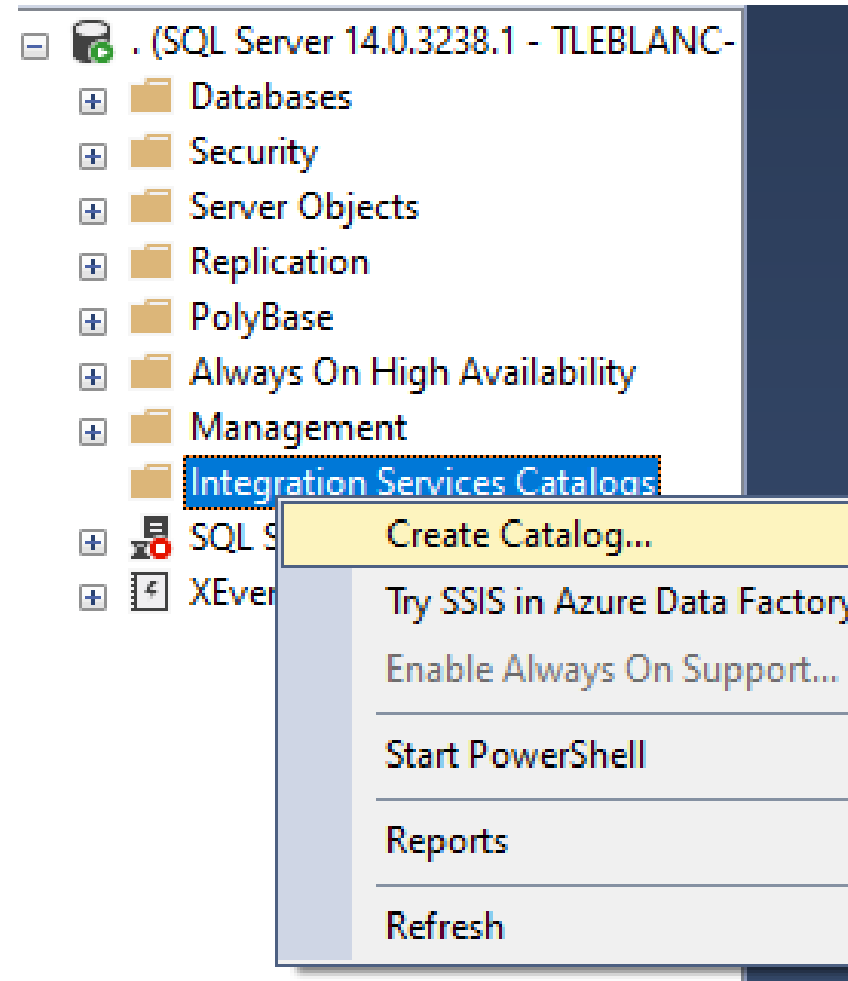


SSMS

Integration Services
Catalog

Create catalog

Master password



Demo



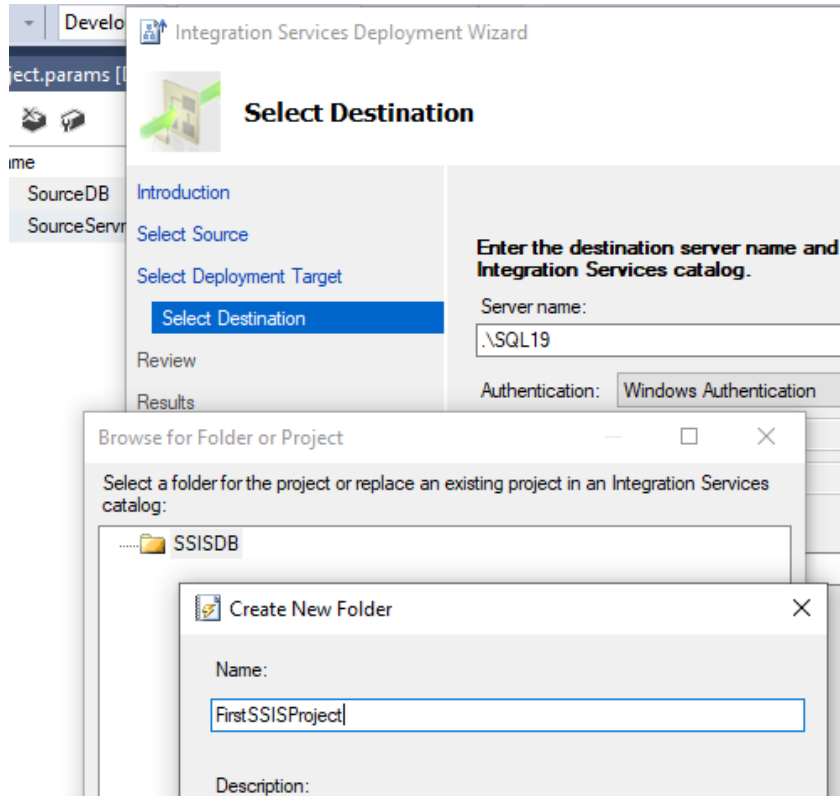
Create catalog



Deploy to Catalog



Deploy Project to Catalog



Change properties of project

Roles available

Create folder for organization

Many execution options



Demo



Deploy a project



Summary



Power of projects

Save development time

Sharing connections between packages

Creating/Deploying to catalog

