SSIS Framework Community Edition  
Documentation and User Guide

Andy Leonard

Contents

The SSIS Framework Community Edition is free and subject to the GNU GENERAL PUBLIC LICENSE Version 3, 29 June 2007. You can find a copy in [Appendix A - GNU GENERAL PUBLIC LICENSE Version 3, 29 June 2007](#_Appendix_A_-).

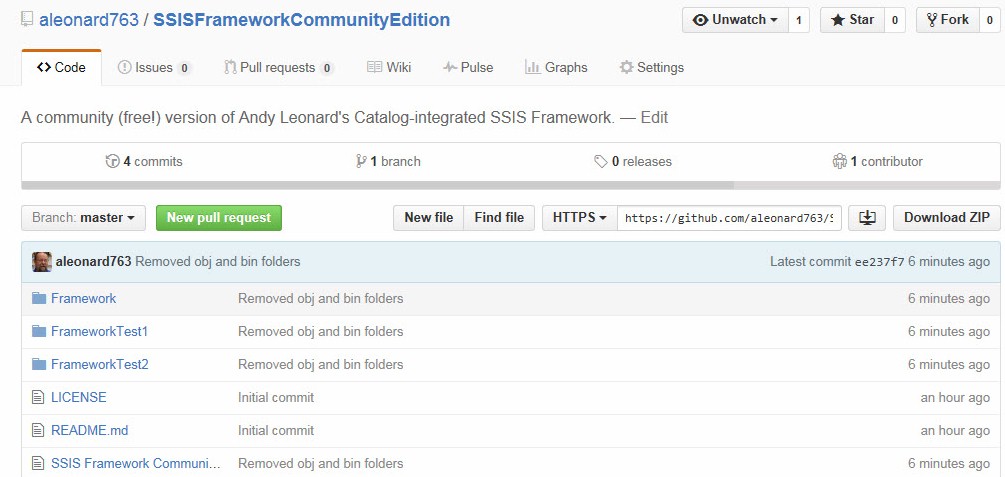
# General

In summary, the steps for installing SSIS Framework Community Edition are:

* [Obtain the code](#_Obtain_the_Code)
* [Add an SSIS Catalog](#_Add_an_SSIS) to a SQL Server instance
* [Execute the SSIS Framework Community Edition T-SQL scripts](#_Execute_the_SSIS)
* [Deploy the SSIS Framework Community Edition SSIS projects](#_Deploy_the_SSIS)
* [Test!](#_Test)

# Obtain the Code

To obtain the code, connect to GitHub at <https://github.com/aleonard763/SSISFrameworkCommunityEdition>:

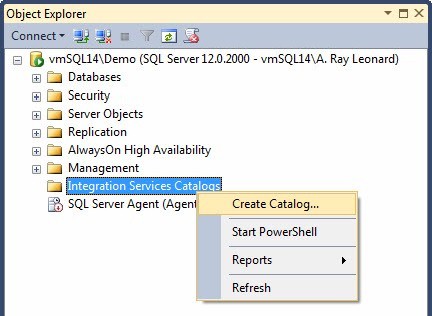


Save the code to a location you can readily access.

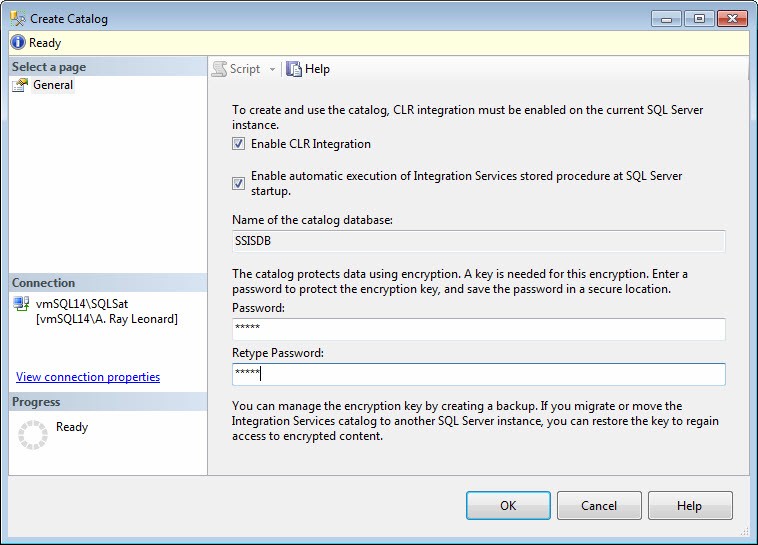
# Add an SSIS Catalog

If you already have an SSIS Catalog configured on an instance of SQL Server, you may skip this step.

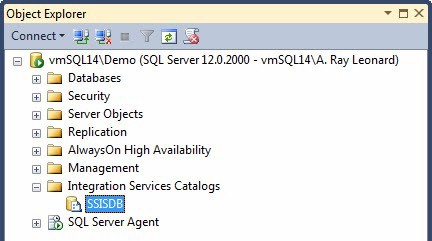
Use SQL Server Management Studio (SSMS) to connect to the instance of SQL Server and open Object Explorer. Right-click the Integration Services Catalogs node and click Create Catalog:



When the Create Catalog window displays, Check the “Enable CLR Integration” checkbox to enable additional controls on the page. You don’t have to, but I recommend you check the “Enable automatic execution of Integration Services stored procedure at SQL Server startup” checkbox. You will need to supply a password (twice):

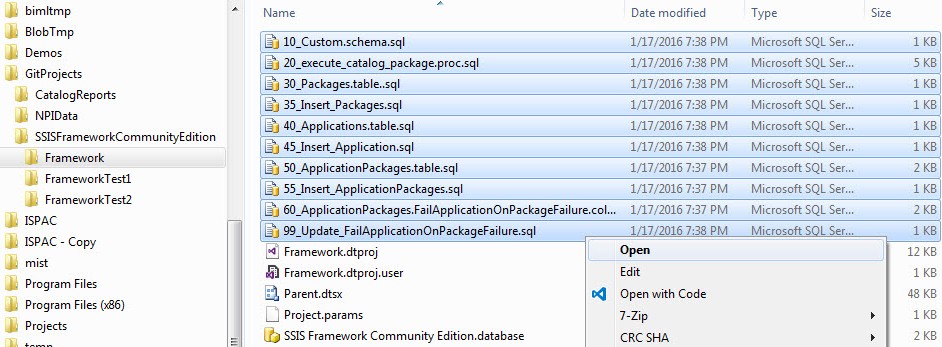


Once created, the SSIS Catalog will appear as shown below:

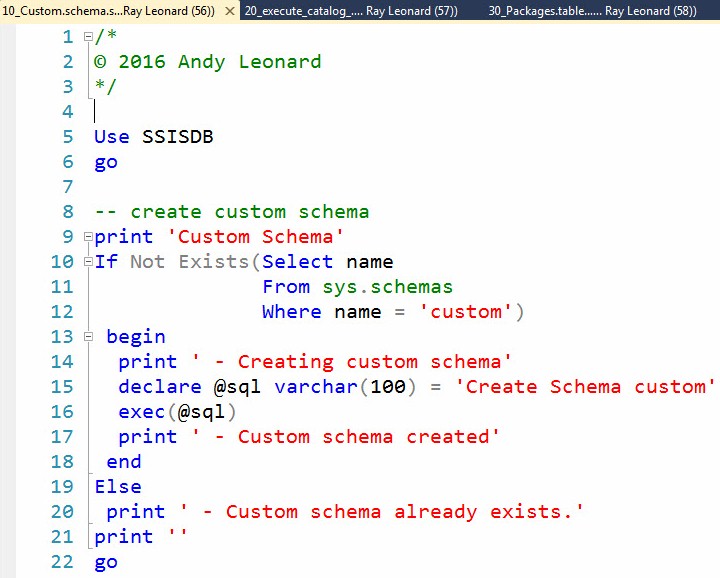


# Execute the SSIS Framework Community Edition T-SQL Scripts

Navigate to the location you stored the SSISFrameworkCommunityEdition GitHub project. Open the Framework folder and then open the T-SQL scripts:

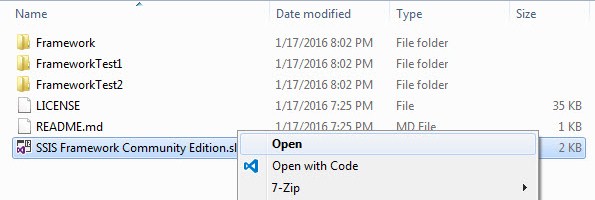


Execute the scripts in numerical order (by the number at the beginning of each file name):

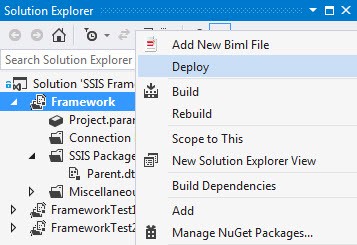


# Deploy the SSIS Framework Community Edition SSIS Projects

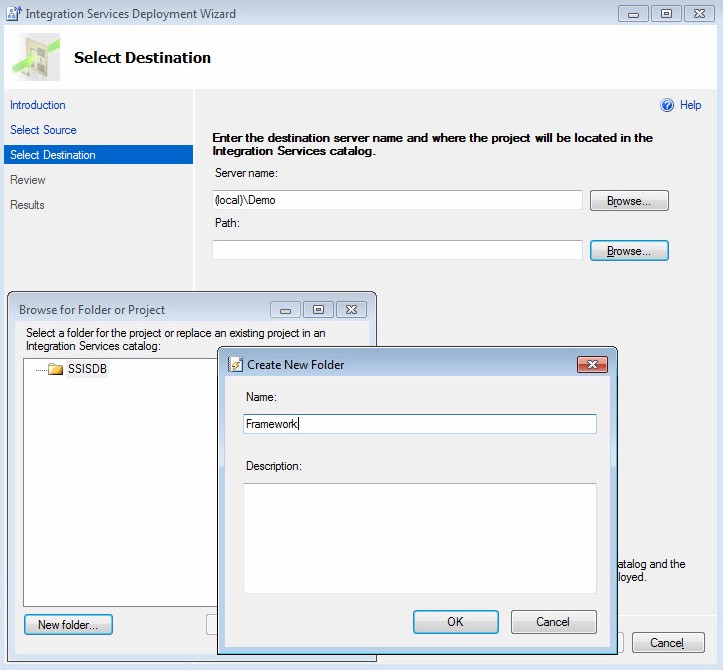
Open the SSIS Framework Community Edition Visual Studio solution file from the SSISFrameworkCommunityEdition GitHub project folder:



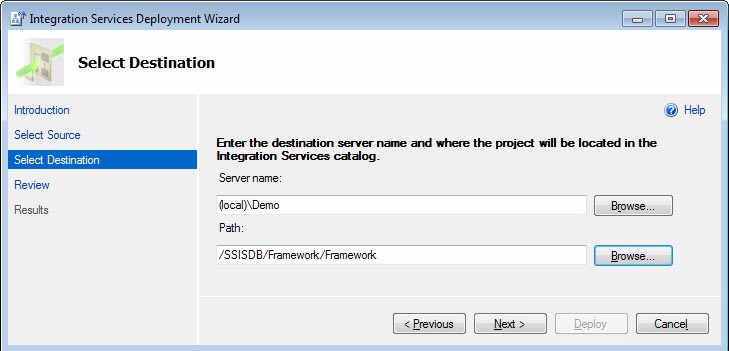
Deploy the projects to the SSIS Catalog hosted on your SQL Server instance:

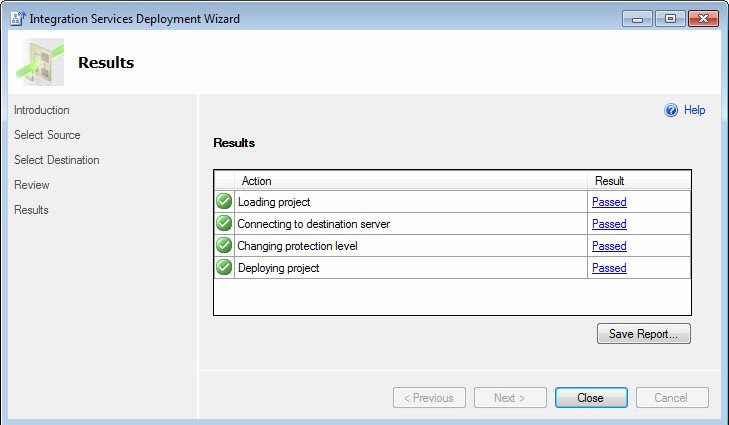


To align the deployments with the SSIS Framework Community Edition metadata you deployed by executing the T-SQL scripts, deploy the Framework project to an SSIS Catalog Folder named “Framework”:

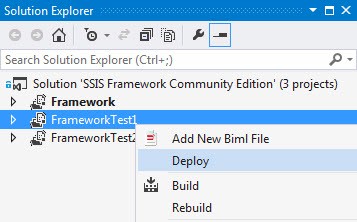


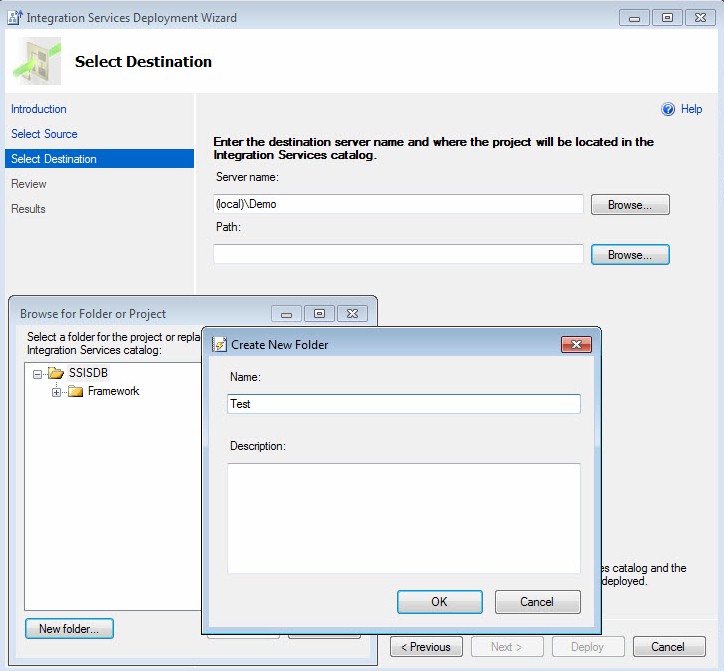
Follow the steps of the Integration Services Deployment Wizard until the Framework SSIS project is deployed:

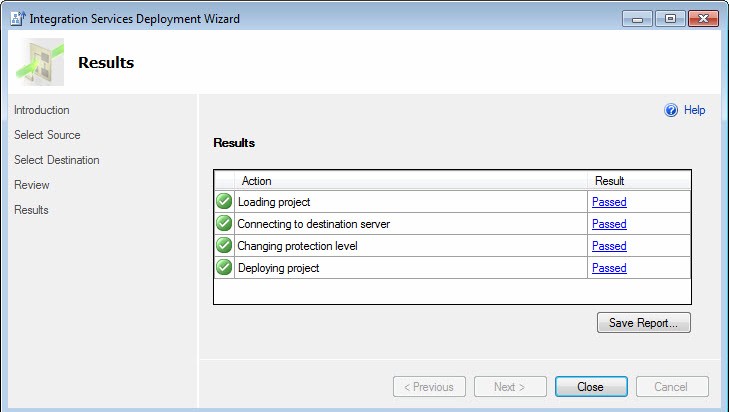




Once the Framework SSIS project is deployed, deploy the FrameworkTest1 and FrameworkTest2 SSIS projects. To align the deployments with the SSIS Framework Community Edition metadata you deployed by executing the T-SQL scripts, deploy the Framework project to an SSIS Catalog Folder named “Test”:



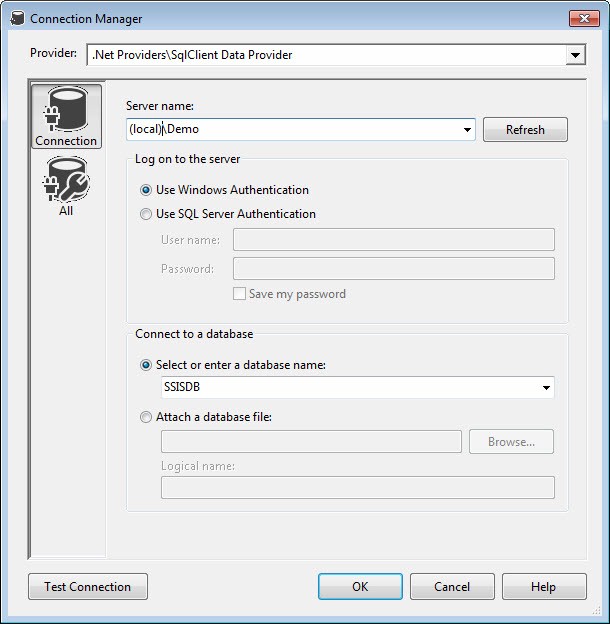




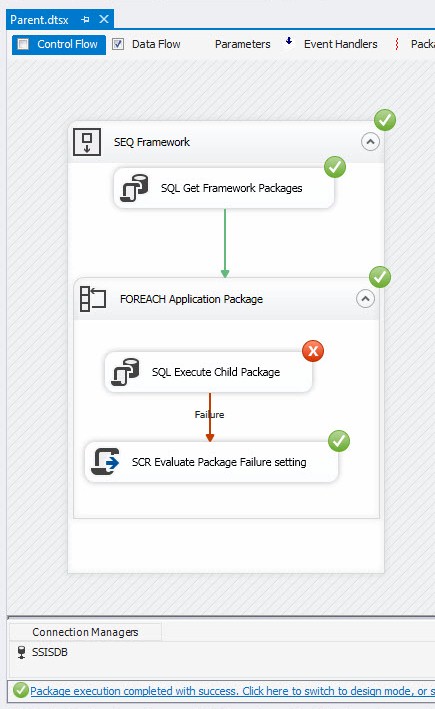
# Test

To test the deployment, execute the Parent.dtsx package in the Framework SSIS project.

Your first test will likely fail, unless you first configure the SSISDB connection manager to connect to your instance of SQL Server:

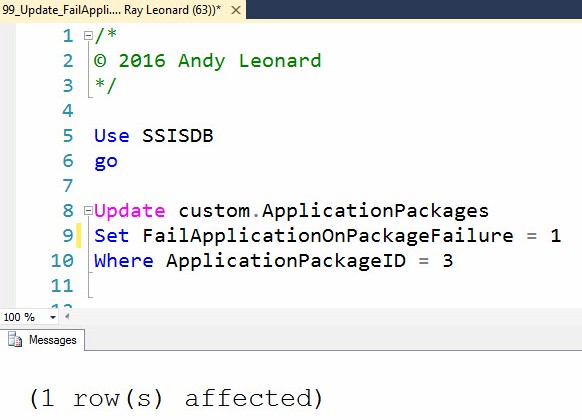


A successful test should appear as shown here:

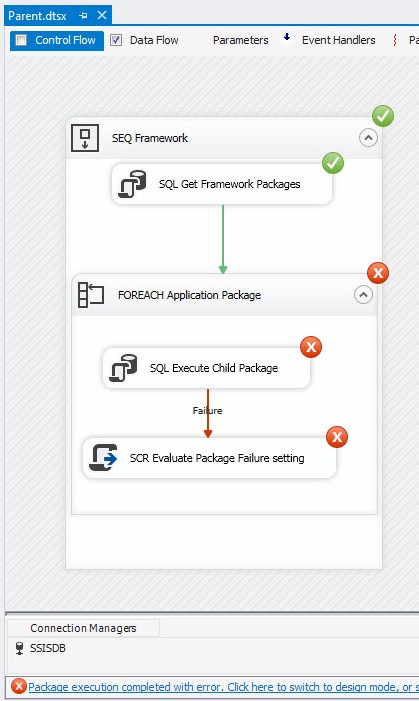


Wait. The execution failed. Well, the execution of a single package failed, but that is the default configuration. Note the Parent package execution succeeded. Why? The FailApplicationonPackageFailure bit is configured to allow the package that failed to be fault tolerant.

To reconfigure the project, open the T-SQL script named 99\_Update\_FailApplicationOnPackageFailure.sql. If you change the script, you can have a failure of the one package to cause the application to fail:



A second test execution results in a failed execution, as shown here:



# Conclusion

This guide is intended to help you get started using the SSIS Framework Community Edition.

Please share questions and concerns with Andy Leonard at [andy.leonard@andyleonardconsulting.com](mailto:andy.leonard@andyleonardconsulting.com).

Enjoy!

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Version 3, 29 June 2007

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1. Source Code.

The "source code" for a work means the preferred form of the work

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A "Standard Interface" means an interface that either is an official

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The "System Libraries" of an executable work include anything, other

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packaging a Major Component, but which is not part of that Major

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"Major Component", in this context, means a major essential component

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in one of these ways:

a) Convey the object code in, or embodied in, a physical product

(including a physical distribution medium), accompanied by the

Corresponding Source fixed on a durable physical medium

customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product

(including a physical distribution medium), accompanied by a

written offer, valid for at least three years and valid for as

long as you offer spare parts or customer support for that product

model, to give anyone who possesses the object code either (1) a

copy of the Corresponding Source for all the software in the

product that is covered by this License, on a durable physical

medium customarily used for software interchange, for a price no

more than your reasonable cost of physically performing this

conveying of source, or (2) access to copy the

Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the

written offer to provide the Corresponding Source. This

alternative is allowed only occasionally and noncommercially, and

only if you received the object code with such an offer, in accord

with subsection 6b.

d) Convey the object code by offering access from a designated

place (gratis or for a charge), and offer equivalent access to the

Corresponding Source in the same way through the same place at no

further charge. You need not require recipients to copy the

Corresponding Source along with the object code. If the place to

copy the object code is a network server, the Corresponding Source

may be on a different server (operated by you or a third party)

that supports equivalent copying facilities, provided you maintain

clear directions next to the object code saying where to find the

Corresponding Source. Regardless of what server hosts the

Corresponding Source, you remain obligated to ensure that it is

available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided

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A separable portion of the object code, whose source code is excluded

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fixed term (regardless of how the transaction is characterized), the

Corresponding Source conveyed under this section must be accompanied

by the Installation Information. But this requirement does not apply

if neither you nor any third party retains the ability to install

modified object code on the User Product (for example, the work has

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