



SQL Server 2017 Integration Services Cookbook

By Christian Cote, Matija Lah, Dejan Sarka

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Harness the power of SQL Server 2017 Integration Services to build your data integration solutions with ease

About This Book

- Acquaint yourself with all the newly introduced features in SQL Server 2017 Integration Services
- Program and extend your packages to enhance their functionality
- This detailed, step-by-step guide covers everything you need to develop efficient data integration and data transformation solutions for your organization

Who This Book Is For

This book is ideal for software engineers, DW/ETL architects, and ETL developers who need to create a new, or enhance an existing, ETL implementation with SQL Server 2017 Integration Services. This book would also be good for individuals who develop ETL solutions that use SSIS and are keen to learn the new features and capabilities in SSIS 2017.

What You Will Learn

- Understand the key components of an ETL solution using SQL Server 2016-2017 Integration Services
- Design the architecture of a modern ETL solution
- Have a good knowledge of the new capabilities and features added to Integration Services
- Implement ETL solutions using Integration Services for both on-premises and Azure data
- Improve the performance and scalability of an ETL solution
- Enhance the ETL solution using a custom framework
- Be able to work on the ETL solution with many other developers and have

- common design paradigms or techniques
- Effectively use scripting to solve complex data issues

In Detail

SQL Server Integration Services is a tool that facilitates data extraction, consolidation, and loading options (ETL), SQL Server coding enhancements, data warehousing, and customizations. With the help of the recipes in this book, you'll gain complete hands-on experience of SSIS 2017 as well as the 2016 new features, design and development improvements including SCD, Tuning, and Customizations.

At the start, you'll learn to install and set up SSIS as well other SQL Server resources to make optimal use of this Business Intelligence tools. We'll begin by taking you through the new features in SSIS 2016/2017 and implementing the necessary features to get a modern scalable ETL solution that fits the modern data warehouse.

Through the course of chapters, you will learn how to design and build SSIS data warehouses packages using SQL Server Data Tools. Additionally, you'll learn to develop SSIS packages designed to maintain a data warehouse using the Data Flow and other control flow tasks. You'll also be demonstrated many recipes on cleansing data and how to get the end result after applying different transformations. Some real-world scenarios that you might face are also covered and how to handle various issues that you might face when designing your packages.

At the end of this book, you'll get to know all the key concepts to perform data integration and transformation. You'll have explored on-premises Big Data integration processes to create a classic data warehouse, and will know how to extend the toolbox with custom tasks and transforms.

Style and approach

This cookbook follows a problem-solution approach and tackles all kinds of data integration scenarios by using the capabilities of SQL Server 2016 Integration Services. This book is well supplemented with screenshots, tips, and tricks. Each recipe focuses on a particular task and is written in a very easy-to-follow manner.

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Editorial Review

About the Author

Christian Cote

Christian Cote is a database professional from Montreal, Quebec, Canada. For the past 16 years, he's been involved in various data warehouse projects and business intelligence projects. He has contributed to business intelligence solutions in various domains like pharmaceutical, finance, insurance, and many more. He's been a Microsoft Most Valuable Professional since 2009 and leads the Montreal PASS chapter.

Matija Lah

Matija Lah has more than 15 years of experience working with Microsoft SQL Server, mostly from architecting data-centric solutions in the legal domain. His contributions to the SQL Server community have led to the Microsoft Most Valuable Professional award in 2007 (data platform). He spends most of his time on projects involving advanced information management, and natural language processing, but often finds time to speak at events related to Microsoft SQL Server where he loves to share his experience with the SQL Server platform.

Dejan Sarka

Dejan Sarka, MCT and SQL Server Most Valuable Professional, is an independent trainer and consultant who focuses on the development of database and business intelligence applications, located in Ljubljana, Slovenia. Besides his projects, he spends around half of his time on training and mentoring. He is the founder of the Slovenian SQL Server and .NET users group. Dejan is the main author and coauthor of many books and courses about databases and SQL Server. He is a frequent speaker at many worldwide events.

Users Review

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Helen Kingsbury:

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2017 Integration Services Cookbook.

Teresa Hunter:

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James Williams:

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