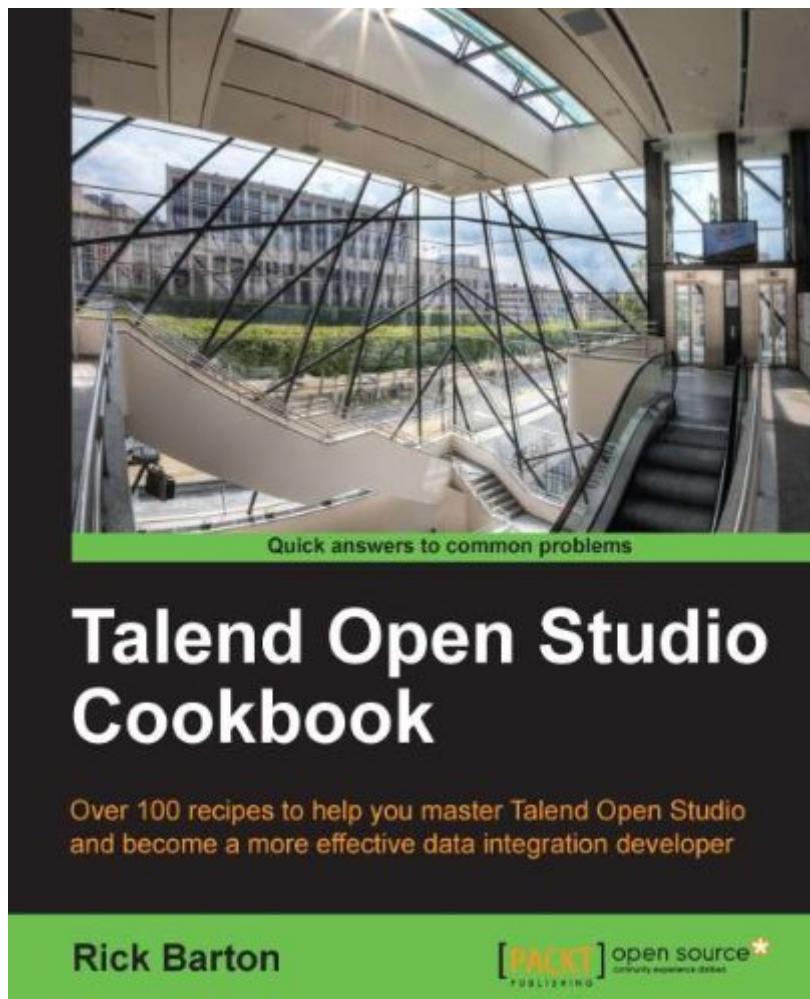


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# Talend Open Studio Cookbook



## Synopsis

In Detail Data integration is a key component of an organization's technical strategy, yet historically the tools have been very expensive. Talend Open Studio is the world's leading open source data integration product and has played a huge part in making open source data integration a popular choice for businesses worldwide. This book is a welcome addition to the small but growing library of Talend Open Studio resources. From working with schemas to creating and validating test data, to scheduling your Talend code, you will get acquainted with the various Talend database handling techniques. Each recipe is designed to provide the key learning point in a short, simple and effective manner. This comprehensive guide provides practical exercises that cover all areas of the Talend development lifecycle including development, testing, debugging and deployment. The book delivers design patterns, hints, tips, and advice in a series of short and focused exercises that can be approached as a reference for more seasoned developers or as a series of useful learning tutorials for the beginner. The book covers the basics in terms of schema usage and mappings, along with dedicated sections that will allow you to get more from tMap, files, databases and XML. Geared towards the whole lifecycle, the Talend Open Studio Cookbook shows readers great ways to handle everyday tasks, and provides an insight into all areas of a development cycle including coding, testing, and debugging of code to provide start-to-finish coverage of the product. Approach Primarily designed as a reference book, simple and effective exercises based upon genuine real-world tasks enable the developer to reduce the time to deliver the results. Presentation of the activities in a recipe format will enable the readers to grasp even the complex concepts with consummate ease. Who this book is for Talend Open Studio Cookbook is principally aimed at relative beginners and intermediate Talend Developers who have used the product to perform some simple integration tasks, possibly via a training course or beginner's tutorials.

## Book Information

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## **Customer Reviews**

As an almost daily professional users of Talend Open Studio, I have read the more than 100 recipes in this book. For all who are novice to Talend Open Studio, I can recommend the book highly .

Especially if you like to learn by examples. I think if you have worked through all the recipes in this book, you can implement maintainable and fully functional data integration jobs. For those who already know Talend Open Studio, I can recommend this book as well, as it will give you deeper insights into the functionality. It answers questions like - how can you make something easier. I found myself reading about functions that unknown or hidden to me until know. Prerequisites for the book or for certain chapters are Java knowledge and understanding of XML. Above all, basic knowledge of data integration will help following the recipes. The book will not help beginners of data integration and it is no introduction into the basic concepts of Talend Open Studio / Data Integration. And sure, the book is also not for absolute beginners of programming. The book invited me to think. It is without unnecessary words. The recipe are explained in an efficient and clear way.

As an ETL practitioner I can also see the rise in OSS use, ETL use in general, but no significant changes in how ETL is done or its tooling. In short, getting this book for free for review from Packt was an awesome deal, big thank you to their awesome team, I enjoyed reading this book from cover to cover. As a side note, I am a big believer in cookbooks (or in other words quick recipes). These are the books that you can read and re-read, and then keep at your desk at work. I am sure I will revisit it. Another note is this book is good to read even to those developers who do not use Talend, even SSIS folks will benefit from thoughtful advices given by Rick as the principals described in the book apply to about any ETL process. OK, now more about the book: my \$0.02 whether you use

Talend or Informatica â€“ you have to know Java. It is simply because you will not be efficient enough or will not complete an assignment. The book uses quite a bit of Java code. But do not be intimidated, the book has a relatively low entry barrier. Even better, the book in my view has a complete coverage letting an ETL developer to properly tackle any given task. Specifically, it walks you thru from designing a simple job to troubleshooting common issues and also covers best approaches. The book has a short task scenario overview with a fully outlined solution steps as it should be in any cookbook! It even has common pitfalls resolutions covered for you so the author made sure you are not going to stuck with the IDE designing ETL with Talend. Also, all the new and web technologies are covered as working with REST and SOAP, XML and so forth. To sum up, this book receives 5+ out of 5 from me (a very demanding person). Thank you Rick for putting so much effort in wiring a comprehensive book with so much accompanying code.

Well, I'm half way through the book and I want to stop and let you know that my efficiency is on the way up! There is much to like about this training manual:<sup>\*</sup> Lots of day-to-day integration work is covered - just take the time to look at the table of contents!<sup>\*</sup> Most processes are shown that they can be accomplished in multiple ways, depending on requirements or style.<sup>\*</sup> There are not lots of pictures, but the recipes are step by step, so you don't need lots of pictures and you get more meat!<sup>\*</sup> There are references throughout the recipes to other parts of the book, so you won't get lost if you want to dive in anywhere to get quick answers to your specific problems.<sup>\*</sup> The book's layout is familiar, if you have been using Talend's own reference materials.<sup>\*</sup> The book comes with data, so you are using prepared material and not wasting time having to create your own.<sup>\*</sup> There are lots of hints and warnings. You will quickly see that much thought went into each exercise.<sup>\*</sup> If you know a little programming, but are not greatly familiar with Java, this book will prove to be very useful to you; not getting too deep, it provides just enough to get you thinking how to accomplish things you didn't know how to do at first.<sup>\*</sup> There is a strong emphasis on time-saving methods, like fully using the repository for schemas and queries, etc.<sup>\*</sup> I have seen very few, if any, typos. Lots of polish went on to get things right. I am very pleased with this helpful book, and there is a great need for works like this as I look at the forums and see many of the same questions that keep coming up which are answered here. This book will save me lots of time hunting down answers as new challenges arise! I think you will be very pleased to own this manual.

It is hard to review this book without comparing to another Packt book, Getting Started with Talend Open Studio for Data Integration. Similar to that book, Talend Open Studio Cookbook is a good

introduction to Talend Open Studio. However, this book takes things a step further and includes information on using custom Java code and, because this book is not limited to Talend Open Studio for Data Integration, working with web services. In general, the book serves as a good reference for a developer creating solutions with Talend Studio products. In my opinion, the most useful chapter, especially to a non-Java developer is Using Java in Talend. This chapter includes things useful to anyone using Talend Open Studio for more than the most basic jobs, including creating pseudo components with tJavaFlex. This is a key feature to more advanced usage of Talend, and it is covered very nicely. If you have used Talend Open Studio or Talendâ™s paid-for offerings, this book will be a great addition to your library. If you are new to Talendâ™s offering, you may want to first go through the Talend introduction tutorials or Getting Started with Talend Open Studio for Data Integration first.

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