



Pentaho Data Integration Beginner's Guide, Second Edition

María Carina Roldán

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Extract, Transform, and Load (ETL) is the essence of data integration and this book shows you how to achieve it quickly and efficiently using Pentaho Data. A hands-on guide that you'll find an indispensable time-saver.

Overview

- Manipulate your data by exploring, transforming, validating, and integrating it
- Learn to migrate data between applications
- Explore several features of Pentaho Data Integration 5.0
- Connect to any database engine, explore the databases, and perform all kind of operations on databases

In Detail

Capturing, manipulating, cleansing, transferring, and loading data effectively are the prime requirements in every IT organization. Achieving these tasks require people devoted to developing extensive software programs, or investing in ETL or data integration tools that can simplify this work.

Pentaho Data Integration is a full-featured open source ETL solution that allows you to meet these requirements. Pentaho Data Integration has an intuitive, graphical, drag-and-drop design environment and its ETL capabilities are powerful. However, getting started with Pentaho Data Integration can be difficult or confusing.

"Pentaho Data Integration Beginner's Guide, Second Edition" provides the guidance needed to overcome that difficulty, covering all the possible key features of Pentaho Data Integration.

"Pentaho Data Integration Beginner's Guide, Second Edition" starts with the installation of Pentaho Data Integration software and then moves on to cover all the key Pentaho Data Integration concepts. Each chapter introduces new features, allowing you to gradually get involved with the tool. First, you will learn to do all kinds of data manipulation and work with plain files. Then, the book gives you a primer on databases and teaches you how to work with databases inside Pentaho Data Integration. Moreover, you will be introduced to data warehouse concepts and you will learn how to load data in a data warehouse. After that, you will learn to implement simple and complex processes. Finally, you will have the opportunity of applying and reinforcing all the learned concepts through the implementation of a simple datamart.

With "Pentaho Data Integration Beginner's Guide, Second Edition", you will learn everything you need to know in order to meet your data manipulation requirements.

What you will learn from this book

- Install and get started with Pentaho Data Integration
- Get started with MySQL
- Learn the ins and outs of Spoon, the graphical designer tool
- Transform data in several ways such as performing simple and complex calculations, cleaning, counting, de-duplicating, filtering, and ordering

- Learn to get data from all kind of data sources as plain files, Excel spreadsheets, databases, XML files and more, then preview it, and send it back to the same or different destinations
- Discover how to read and parse unstructured files
- Embed Java and JavaScript code in your Pentaho Data Integration transformations to enrich the treatment of data
- Use Pentaho Data Integration to perform CRUD (create, read, update, and delete) operations on databases
- Learn the basic concepts of data warehousing
- Populate a data warehouse with Pentaho Data Integration including loading slowly changing dimensions, junk dimensions, time dimensions and more
- Implement business processes by scheduling tasks, checking conditions, organizing files and folders, running daily processes, treating errors, and so on in a way that meets your requirements

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James Robinson:

Playing with family in the park, coming to see the coastal world or hanging out with pals is thing that usually you will have done when you have spare time, subsequently why you don't try issue that really opposite from that. One activity that make you not feeling tired but still relaxing, trilling like on roller coaster you already been ride on and with addition details. Even you love Pentaho Data Integration Beginner's Guide, Second Edition, you could enjoy both. It is great combination right, you still wish to miss it? What kind of hang-out type is it? Oh can happen its mind hangout guys. What? Still don't have it, oh come on its named reading friends.

Thomas Heiden:

Pentaho Data Integration Beginner's Guide, Second Edition can be one of your beginning books that are good idea. We all recommend that straight away because this book has good vocabulary which could increase your knowledge in terminology, easy to understand, bit entertaining but nevertheless delivering the information. The copy writer giving his/her effort that will put every word into enjoyment arrangement in writing Pentaho Data Integration Beginner's Guide, Second Edition but doesn't forget the main stage, giving the reader the hottest and based confirm resource data that maybe you can be one among it. This great information can certainly drawn you into brand new stage of crucial considering.

Lois Huseby:

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