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MySQL Workbench: Data Modeling & Development (Oracle Press)



Synopsis

The only Oracle Press guide to MySQL Workbench explains how to design and model MySQL databases. MySQL Workbench Data Modeling and Development helps developers learn how to effectively use this powerful product for database modeling, reverse engineering, and interaction with the database without writing SQL statements. MySQL Workbench is a graphical user interface that can be used to create and maintain MySQL databases without coding. The book covers the interface and explains how to accomplish each step by illustrating best practices visually. Clear examples, instructions, and explanations reveal, in a single volume, the art of database modeling. This Oracle Press guide shows you how to get the tool to do what you want. Annotated screen shots demonstrate all interactions with the tool, and text explains the how, what, and why of each step. Complete coverage Installation and Configuration; Creating and Managing Connections; Data Modeling Concepts; Creating an ERD; Defining the Physical Schemata; Creating and Managing Tables; Creating and Managing Relationships; Creating and Managing Views; Creating and Managing Routines; Creating and Managing Routine Groups; Creating and Managing User & Groups; Creating and Managing SQL Scripts; Generating SQL Scripts; Forward Engineering a Data Model; Synchronize a Model with a Database; Reverse Engineering a Database; Managing Differences in the Data Catalog; Creating and Managing Model Notes; Editing Table Data; Editing Generated Scripts; Creating New Instances; Managing Import and Export; Managing Security; Managing Server Instances

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Customer Reviews

MySQL Workbench: Data Modeling & Development Michael McLaughlin Oracle Press ISBN

978-0-07-178188-5 MySQL Workbench is one of those tools that quickly becomes invaluable. It is a SQL query tool, a data modeler, and an admin tool all in one. As such a complicated tool, there is a bit of a learning curve before one can move beyond the basic functionality. Now there is a book that not only is a guided tour of MySQL Workbench but it contains little snippets full of DBA and system admin tricks that make this a must have for anyone using Workbench. The book is divided into six sections that starts with configuration. This part of the book assumes now previous database or MySQL background as it gently guides you through the installation of the key components on mac OS X, Windows, and Linux. The author's teaching background is very evident here as the material is 'undergraduate proof' and very clearly written. The illustrations are large, clear, and informative. The second section covers data modeling including creating tables, reverse engineering schemas, and creating routines. This section covers it all from the theory of data modeling through building complex schemas with foreign keys. The discussion on the choice of keys in tables should be mandatory reading for any DBA. The third section delves into using Workbench for query development and the management of SQL scripts. This section is short and to the point. Many folks use Workbench as an admin tool and the fourth section covers setting up connections, user management (MySQL has no predefined user roles but Workbench allows the set of users with privileges for various task like DBA, backup administrator, and such).

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