

DATA WAREHOUSE ARCHITECTURE

Building A Data Warehouse

Vincent Rainardi

Building A Data Warehouse:

Building the Data Warehouse W. H. Inmon, 2002-10-01 The data warehousing bible updated for the new millennium Updated and expanded to reflect the many technological advances occurring since the previous edition this latest edition of the data warehousing bible provides a comprehensive introduction to building data marts operational data stores the Corporate Information Factory exploration warehouses and Web enabled warehouses Written by the father of the data warehouse concept the book also reviews the unique requirements for supporting e business and explores various ways in which the traditional data warehouse can be integrated with new technologies to provide enhanced customer service sales and support both online and offline including near line data storage techniques Building the Data Warehouse W. H. Inmon, 1996-04-10 The data warehousing bible updated for the new millennium Updated and expanded to reflect the many technological advances occurring since the previous edition this latest edition of the data warehousing bible provides a comprehensive introduction to building data marts operational data stores the Corporate Information Factory exploration warehouses and Web enabled warehouses Written by the father of the data warehouse concept the book also reviews the unique requirements for supporting e business and explores various ways in which the traditional data warehouse can be integrated with new technologies to provide enhanced customer service sales and support both online and offline including Building a Data Warehouse Vincent Rainardi, 2008-03-11 Building a Data Warehouse near line data storage techniques With Examples in SQL Server describes how to build a data warehouse completely from scratch and shows practical examples on how to do it Author Vincent Rainardi also describes some practical issues he has experienced that developers are likely to encounter in their first data warehousing project along with solutions and advice The relational database management system RDBMS used in the examples is SQL Server the version will not be an issue as long as the user has SQL Server 2005 or later The book is organized as follows In the beginning of this book chapters 1 through 6 you learn how to build a data warehouse for example defining the architecture understanding the methodology gathering the requirements designing the data models and creating the databases Then in chapters 7 through 10 you learn how to populate the data warehouse for example extracting from source systems loading the data stores maintaining data quality and utilizing the metadata After you populate the data warehouse in chapters 11 through 15 you explore how to present data to users using reports and multidimensional databases and how to use the data in the data warehouse for business intelligence customer relationship management and other purposes Chapters 16 and 17 wrap up the book After you have built your data warehouse before it can be released to production you need to test it thoroughly After your application is in production you need to understand how to administer data warehouse operation Building the Data Warehouse, 4th Ed William H. Inmon, 2005 Market Desc IT Database and Data Warehouse Managers and Developers Special Features Building the Data Warehouse has sold nearly 40 000 copies in its first 3 editions Inmon is widely recognized as the Father of the Data Warehouse and remains

one of the two leading authorities in the industry he helped to invent The new edition covers new approaches and technologies many of which have been pioneered by Inmon himself Price of this new edition will be reduced from 65 to 55 and 100 new pages added About The Book This book provides a high level conceptual overview of the major components of data warehouse systems as well as the core approaches used to design and build data warehouses Topics covered in this book are methods for handling unstructured data in a data warehouse storing data across multiple storage media the pros **Building and Maintaining a Data** and cons of relational vs multidimensional design data monitoring and testing Warehouse Fon Silvers, 2008-03-18 As it is with building a house most of the work necessary to build a data warehouse is neither visible nor obvious when looking at the completed product While it may be easy to plan for a data warehouse that incorporates all the right concepts taking the steps needed to create a warehouse that is as functional and user friendly as it is theoreti Building a Better Data Warehouse Don Meyer, Casey Cannon, 1998 This book cuts through the hype and theory about data warehousing and gets down to the basics of walking every member of the team through the design and implementation of a data warehouse Beyond how to do it this book is an implementation methodology that helps project teams identify who will be doing what and what tools each member will need **Building a Data Warehouse** Vincent Rainardi, 2007-12-27 Building a Data Warehouse With Examples in SQL Server describes how to build a data warehouse completely from scratch and shows practical examples on how to do it Author Vincent Rainardi also describes some practical issues he has experienced that developers are likely to encounter in their first data warehousing project along with solutions and advice The relational database management system RDBMS used in the examples is SQL Server the version will not be an issue as long as the user has SQL Server 2005 or later The book is organized as follows In the beginning of this book chapters 1 through 6 you learn how to build a data warehouse for example defining the architecture understanding the methodology gathering the requirements designing the data models and creating the databases Then in chapters 7 through 10 you learn how to populate the data warehouse for example extracting from source systems loading the data stores maintaining data quality and utilizing the metadata After you populate the data warehouse in chapters 11 through 15 you explore how to present data to users using reports and multidimensional databases and how to use the data in the data warehouse for business intelligence customer relationship management and other purposes Chapters 16 and 17 wrap up the book After you have built your data warehouse before it can be released to production you need to test it thoroughly After your application is in production you need to understand how to administer data warehouse operation What you ll learn A detailed understanding of what it takes to build a data warehouse The implementation code in SQL Server to build the data warehouse Dimensional modeling data extraction methods data warehouse loading populating dimension and fact tables data quality data warehouse architecture and database design Practical data warehousing applications such as business intelligence reports analytics applications and customer relationship management Who this book is for There are three

audiences for the book The first are the people who implement the data warehouse This could be considered a field guide for them The second is database users admins who want to get a good understanding of what it would take to build a data warehouse Finally the third audience is managers who must make decisions about aspects of the data warehousing task before them and use the book to learn about these issues Building a Scalable Data Warehouse with Data Vault 2.0 Daniel Linstedt, Michael Olschimke, 2015-09-15 The Data Vault was invented by Dan Linstedt at the U.S. Department of Defense and the standard has been successfully applied to data warehousing projects at organizations of different sizes from small to large size corporations Due to its simplified design which is adapted from nature the Data Vault 2 0 standard helps prevent typical data warehousing failures Building a Scalable Data Warehouse covers everything one needs to know to create a scalable data warehouse end to end including a presentation of the Data Vault modeling technique which provides the foundations to create a technical data warehouse layer The book discusses how to build the data warehouse incrementally using the agile Data Vault 2 0 methodology In addition readers will learn how to create the input layer the stage layer and the presentation layer data mart of the Data Vault 2 0 architecture including implementation best practices Drawing upon years of practical experience and using numerous examples and an easy to understand framework Dan Linstedt and Michael Olschimke discuss How to load each layer using SQL Server Integration Services SSIS including automation of the Data Vault loading processes Important data warehouse technologies and practices Data Quality Services DQS and Master Data Services MDS in the context of the Data Vault architecture Provides a complete introduction to data warehousing applications and the business context so readers can get up and running fast Explains theoretical concepts and provides hands on instruction on how to build and implement a data warehouse Demystifies data vault modeling with beginning intermediate and advanced techniques Discusses the advantages of the data vault approach over other techniques also including the latest updates to Data Vault 2 0 and multiple improvements to Data Vault 1 0 Data Warehousina ,2001-04-27 Rapid access to information is a prime requirement in any organization that wants to have a competitive edge in today s fast changing markets How to retrieve information How to capture data How to format it The answer lies in Data Warehousing This HOTT Guide will give you access to all the essential information about the newest data storehouse through articles by expert trendwachters on strategic considerations how to reports defining the various ways to extract the data needed for critical business decisions technical papers clarifying technologies and tools business cases and key concepts that will provide the reader with a comprehensive overview of a business solution that is already indispensable Building a Data Warehouse for Decision Support Vidette Poe, Patricia Klauer, Stephen Brobst, 1998 Completely revised expanded and updated this second edition gives extensive new coverage of data integration management indexing cleansing and transformation The book covers powerful new multi dimensional front ends and conversion tools and gives detailed coverage of lifecycle issues

Adopting the Track of Term: An Emotional Symphony within Building A Data Warehouse

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