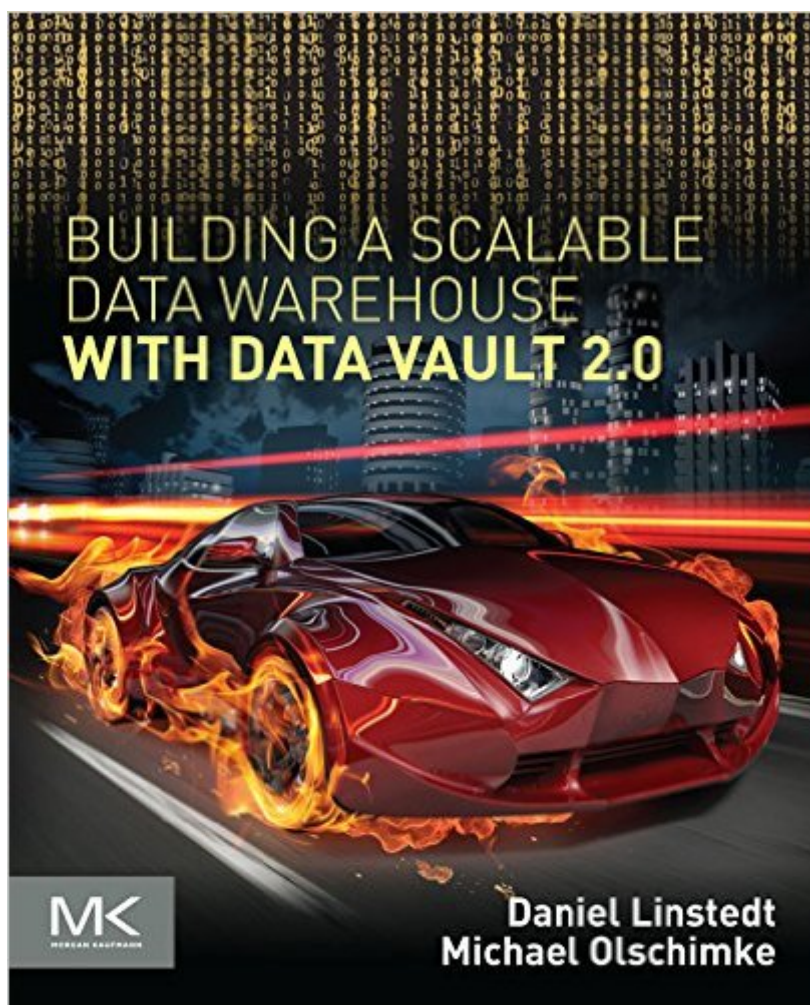


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# Building A Scalable Data Warehouse With Data Vault 2.0



## Synopsis

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

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## Customer Reviews

This book fills a huge void in Data Vault 2.0 resources. It covers everything about data vault, including data modeling, ETL processing, error handling, metadata, data quality and more, all explained in depth with sufficient examples that can be immediately put to use. Every question that I could think of relating to data vault is covered in the book. It is an excellent reference manual to have on hand while doing data vault implementations. That said, I gave the book only four stars because there is always room for improvement. I was disappointed after reading Chapter 3, about the Data Vault 2.0 methodology. It appears that the authors threw in a bunch of various methodologies, frameworks, best practices and approaches without clearly explaining how all these parts fit together into a cohesive methodology. The authors appear out of their depth in the project management space. They incorrectly apply the term PMP (Project Management Professional, a certification from the Project Management Institute) as a best practice. What they probably meant is that the project management aspect of the Data Vault 2.0 methodology is taken from the PMBOK (Project Management Body of Knowledge), a project management standard issued by the Project Management Institute. I also don't see why the authors included Scrum in the mix. The explanation of how Scrum is applied in mini-waterfall sprints is confusing and contradicting. For example, it is not clear how the Scrum roles such as scrum master and product owner translate into the mini-waterfall sprints. They state that Scrum is used for team coordination/team organization and that the team is self-organized while at the same time they designate the project manager as the person who plans the tasks within a mini-waterfall sprint.

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