



## SQL Server Internals: In-Memory OLTP

By Kalen Delaney

[Download now](#)

[Read Online](#) 

### SQL Server Internals: In-Memory OLTP By Kalen Delaney

The SQL Server 2014 In-Memory OLTP engine (a.k.a. Hekaton) is designed from the ground up to exploit terabytes of available memory and high numbers of processing cores. It allows us to work with memory-optimized tables and indexes, and natively compiled stored procedures, in addition to the disk-based tables and indexes, and T-SQL stored procedures, that SQL Server has always provided. Hekaton in-memory data is accessible, transparently, using familiar interfaces such as T-SQL and SSMS, but Hekaton's internal behavior and capabilities are very different than those of the standard relational engine. Everything you knew about how your SQL Server stores and accesses data is different in Hekaton. Everything you understood about how multiple concurrent processes are handled needs to be reconsidered. In this book, Kalen Delaney explains how the new In-Memory OLTP engine works, how it stores and manipulates data, and how, even with all data stored in memory and no locking or latching, it can still guarantee the ACID properties of all transactions. Kalen has been working with SQL Server since 1987, specializing in query performance tuning and SQL Server internals. The Hekaton internals knowledge she provides in this book will help you migrate existing tables or databases to Hekaton, and get faster performance from your SQL Server applications than you ever thought possible.

 [Download SQL Server Internals: In-Memory OLTP ...pdf](#)

 [Read Online SQL Server Internals: In-Memory OLTP ...pdf](#)

# SQL Server Internals: In-Memory OLTP

By Kalen Delaney

## SQL Server Internals: In-Memory OLTP By Kalen Delaney

The SQL Server 2014 In-Memory OLTP engine (a.k.a. Hekaton) is designed from the ground up to exploit terabytes of available memory and high numbers of processing cores. It allows us to work with memory-optimized tables and indexes, and natively compiled stored procedures, in addition to the disk-based tables and indexes, and T-SQL stored procedures, that SQL Server has always provided. Hekaton in-memory data is accessible, transparently, using familiar interfaces such as T-SQL and SSMS, but Hekaton's internal behavior and capabilities are very different than those of the standard relational engine. Everything you knew about how your SQL Server stores and accesses data is different in Hekaton. Everything you understood about how multiple concurrent processes are handled needs to be reconsidered. In this book, Kalen Delaney explains how the new In-Memory OLTP engine works, how it stores and manipulates data, and how, even with all data stored in memory and no locking or latching, it can still guarantee the ACID properties of all transactions. Kalen has been working with SQL Server since 1987, specializing in query performance tuning and SQL Server internals. The Hekaton internals knowledge she provides in this book will help you migrate existing tables or databases to Hekaton, and get faster performance from your SQL Server applications than you ever thought possible.

## SQL Server Internals: In-Memory OLTP By Kalen Delaney Bibliography

- Rank: #1177302 in Books
- Brand: Delaney Kalen
- Published on: 2014-10-10
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .46" w x 7.52" l, .84 pounds
- Binding: Paperback
- 218 pages

 [Download SQL Server Internals: In-Memory OLTP ...pdf](#)

 [Read Online SQL Server Internals: In-Memory OLTP ...pdf](#)

## **Download and Read Free Online SQL Server Internals: In-Memory OLTP By Kalen Delaney**

---

### **Editorial Review**

#### **Users Review**

##### **From reader reviews:**

###### **Amanda Dell:**

A lot of people always spent their very own free time to vacation or even go to the outside with them friends and family or their friend. Do you know? Many a lot of people spent they will free time just watching TV, or even playing video games all day long. If you wish to try to find a new activity honestly, that is look different you can read the book. It is really fun in your case. If you enjoy the book that you read you can spent the entire day to reading a publication. The book SQL Server Internals: In-Memory OLTP it is extremely good to read. There are a lot of people that recommended this book. These were enjoying reading this book. When you did not have enough space to deliver this book you can buy the e-book. You can more easily to read this book out of your smart phone. The price is not too expensive but this book offers high quality.

###### **Vickie Miller:**

Is it an individual who having spare time subsequently spend it whole day by means of watching television programs or just lying on the bed? Do you need something totally new? This SQL Server Internals: In-Memory OLTP can be the response, oh how comes? A fresh book you know. You are therefore out of date, spending your free time by reading in this fresh era is common not a geek activity. So what these publications have than the others?

###### **Jason Cook:**

As we know that book is essential thing to add our understanding for everything. By a guide we can know everything we would like. A book is a pair of written, printed, illustrated or blank sheet. Every year ended up being exactly added. This e-book SQL Server Internals: In-Memory OLTP was filled regarding science. Spend your extra time to add your knowledge about your research competence. Some people has various feel when they reading a new book. If you know how big benefit of a book, you can feel enjoy to read a reserve. In the modern era like today, many ways to get book that you just wanted.

###### **Larhonda Kennedy:**

E-book is one of source of expertise. We can add our knowledge from it. Not only for students but native or citizen need book to know the up-date information of year for you to year. As we know those textbooks have many advantages. Beside we add our knowledge, could also bring us to around the world. By book SQL Server Internals: In-Memory OLTP we can have more advantage. Don't you to be creative people? Being creative person must love to read a book. Just choose the best book that appropriate with your aim. Don't be

doubt to change your life at this book SQL Server Internals: In-Memory OLTP. You can more pleasing than now.

**Download and Read Online SQL Server Internals: In-Memory OLTP By Kalen Delaney #9DRE0QBUM13**

# **Read SQL Server Internals: In-Memory OLTP By Kalen Delaney for online ebook**

SQL Server Internals: In-Memory OLTP By Kalen Delaney Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read SQL Server Internals: In-Memory OLTP By Kalen Delaney books to read online.

## **Online SQL Server Internals: In-Memory OLTP By Kalen Delaney ebook PDF download**

**SQL Server Internals: In-Memory OLTP By Kalen Delaney Doc**

**SQL Server Internals: In-Memory OLTP By Kalen Delaney MobiPocket**

**SQL Server Internals: In-Memory OLTP By Kalen Delaney EPub**