

SQL/400 Developer's Guide (Vol 2)

By Mike Cravitz, Paul Conte



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Paul Conte and Mike Cravitz have written the must-have guide to SQL for AS/400 application developers. SQL/400 Developer's Guide is an authoritative book that will help you create and manipulate comprehensive, complex, professional-quality SQL/400 databases. The textbook covers database and SQL fundamentals, SQL/400 Data Definition Language (DDL) and Data Manipulation Language (DML), and database modeling and design. Coding suggestions reinforce the topics covered and provide practical advice on how to produce robust, well-functioning code.



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Editorial Review

Review

A comprehensive, indispensable resource for students, programmers, and database administrators who need to learn about the AS/400 database. -- *Bernadette Cinkoske*, *Assistant Professor*, *Ivy Tech State College*

A practical database design and SQL programming textbook specifically for AS/400 application developers. -- Frank G. Soltis, IBM AS/400 Chief Scientist and Prof. Computer Engineering, Univ. of Minnesota

Both newcomers to the AS/400 and experienced AS/400 programmers will find SQL/400 Developer's Guide an excellent resource. -- Sharon L. Hoffman, Senior Analyst, TechReflections

This book is where you should start learning SQL on the AS/400. -- Kent Milligan, DB2 & BI Solutions, AS/400 Partner World for Developers

From the Author

Structured Query Language/400 is IBM's strategic language for defining and manipulating DB2 UDB for AS/400 databases. IBM has recently stated that the proprietary Data Description Specifications and built-in RPG and COBOL I/O extensions are not being enhanced to support new database features. That means if you plan to take full advantage of the AS/400 integrated database, you need to know SQL. And, if you plan to use Java, you need to know SQL because JDBC (Java Database Connectivity) uses SQL to access the AS/400 database. Finally, if you plan to keep your application programming skills current, you need to know SQL because it's the database language used on all major platforms. This book provides a comprehensive explanation of SQL/400 to students and practicing programmers. Once you master the topics covered in SQL/400 Developer's Guide, you'll be able to design and create professional level databases for real applications. This book also provides developers wi! th extensive advice on database design, as well as programming. We cover SQL data definition language (DDL) and data manipulation (DML) in detail. But we go beyond that to explain essential areas such as security, transaction integrity (commitment control), object and row locking, stored procedures, and trigger programs. The book includes numerous examples, tables, appendices, and detailed technical explanations so in most cases, you won't need any AS/400 manual to create, manage, and use UDB/400 tables and other objects. This edition is based on Version 4 Release 5 of UDB/400, RPG IV, and ILE COBOL/400. This is an ideal book for programmers coming from other database platforms, such as Oracle, Microsoft's SQL Server 2000, or other versions of DB2 UDB (e.g., on IBM mainframes). If that's your situation, you should be able to blast through most of the chapters and get a very rapid start with UDB/400.

From the Inside Flap

SQL/400 Developer's Guide provides start-to-finish coverage of SQL/400, IBM's strategic language for the AS/400's integrated database. This essential text provides comprehensive explanations and numerous examples to help you: Create new databases, tables, views, and indexes with SQL/400. Define primary key, unique, foreign key, and check constraints to enforce data integrity. Master the Select, Update, Insert, and Delete statements from an introductory level to complex queries and transactions. Use advanced SQL features such as user-defined data types, user-defined functions, and stored procedures to speed application development. Protect transaction integrity using DB2 UDB/400 commitment control. Exploit SQL/400 extensions to increase database performance. Implement applications following "best practices" for efficiency and maintainability. Code easy-to-maintain trigger programs. Enforce tight, but flexible, security to protect data. Use Distributed Relational Database Architecture to retrieve and update data on distributed

AS/400s, Model and design databases using entity relationship diagrams. With this book, you'll be able to design and create professional-level databases for production applications. Paul Conte and Mike Cravitz are leading DB2 UDB/400 authorities with extensive application development experience. They've joined forces to create a book that will help new, as well as experienced, AS/400 developers design and code with speed and confidence. Along with in-depth instruction and advice on implementation, the book includes an excellent introduction to practical database design techniques. You get a clear explanation of the relational database model, which underlies the whole DB2 UDB/400 architecture and the SOL language. On that foundation, the book explains a step-by-step method of modeling an organization's database requirements and developing a design for the necessary database tables and views. This text is designed for professional application developers and college-level students who want to become developers. All the essential SQL/400 and related DB2 UDB/400 topics are covered from an introductory to an advanced level. Each chapter has numerous examples and exercises, including two complete RPG IV and ILE COBOL/400 sample programs that illustrate all the major programming techniques necessary for a production SQL/400 application. Extensive appendices provide quick references on SQL/400 statements and database-related Command Language commands. You'll find SOL/400 Developer's Guide immediately useful, whether you're just beginning to learn SQL/400 or you're an experienced developer. And you'll turn to this book time and time again for quick answers to the best way to design and program AS/400 database applications.

Users Review

From reader reviews:

Warren Johnson:

Do you one of people who can't read satisfying if the sentence chained inside straightway, hold on guys this particular aren't like that. This SQL/400 Developer's Guide (Vol 2) book is readable through you who hate those perfect word style. You will find the details here are arrange for enjoyable looking at experience without leaving perhaps decrease the knowledge that want to provide to you. The writer connected with SQL/400 Developer's Guide (Vol 2) content conveys the thought easily to understand by many individuals. The printed and e-book are not different in the articles but it just different such as it. So, do you nevertheless thinking SQL/400 Developer's Guide (Vol 2) is not loveable to be your top list reading book?

Deborah Browning:

SQL/400 Developer's Guide (Vol 2) can be one of your nice books that are good idea. We all recommend that straight away because this reserve has good vocabulary which could increase your knowledge in vocabulary, easy to understand, bit entertaining but nevertheless delivering the information. The writer giving his/her effort to set every word into delight arrangement in writing SQL/400 Developer's Guide (Vol 2) although doesn't forget the main stage, giving the reader the hottest as well as based confirm resource details that maybe you can be one of it. This great information can certainly drawn you into brand new stage of crucial pondering.

Eric Beckman:

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Sylvia Alexander:

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