

**IBM Db2 SQL Guide**

Structured Query Language (SQL) procedures, triggers, and functions, which are also known as user-defined functions (UDFs), are the key database features for developing robust and distributed applications. IBM® Db2® for i supported these features for many years, and they are enhanced in IBM i versions 6.1, 7.1, and 7.2. Db2 for i refers to the IBM Db2 family member and relational database management system that is integrated within the IBM Power operating system that is known as IBM i. This IBM Redbooks® publication includes several of the announced features for SQL procedures, triggers, and functions in IBM i versions 6.1, 7.1, and 7.2. This book includes suggestions, guidelines, and practical examples to develop Db2 for i SQL procedures, triggers, and functions effectively. This book covers the following topics: Introduction to the SQL/Persistent Stored Modules (PSM) language, which is used in SQL procedures, triggers, and functions SQL procedures SQL triggers SQL functions This book is for IBM i database engineers and data-centric developers who strive to provide flexible, extensible, agile, and scalable database solutions that meet business requirements in a timely manner. Before you read this book, you need to know about relational database technology and the application development environment on the IBM Power Systems™ with the IBM i operating system.

Provides coverage of exam objectives, reviews programming concepts, contains sample questions and answers, and includes information on the Db2 exam and certification process.

This book is your first step in learning PL/SQL in IBM Db2. Yes, it is PL/SQL. In IBM Db2 PL/SQL used to be an exclusive database procedural language to the Oracle database, now is available in IBM Db2.

Mastering material for dealing with DBA certification exams Key Features Prepare yourself for the IBM C2090-600 certification exam Cover over 50 Db2 procedures including database design, performance, and security Work through over 150 Q&As to gain confidence on each topic

Book Description IBM Db2 is a relational database management system (RDBMS) that helps you store, analyze, and retrieve data efficiently. This comprehensive book is designed to help you master all aspects of IBM Db2 database administration and prepare you to take and pass IBM's Certification Exams C2090-600. Building on years of extensive experience, the authors take you through all areas covered by the test. The book delves deep into each certification topic: Db2 server management, physical design, business rules implementation, activity monitoring, utilities, high availability, and security IBM Db2 11.1 Certification Guide provides you with more than 150 practice questions and answers, simulating real certification examination questions. Each chapter includes an extensive set of practice questions along

with carefully explained answers. This book will not just prepare you for the C2090-600 exam but also help you troubleshoot day-to-day database administration challenges. What you will learn Configure and manage Db2 servers, instances, and databases Implement Db2 BLU Acceleration and a Db2 pureScale environment Create, manage, and alter Db2 database objects Use the partitioning capabilities available within Db2 Enforce constraint checking with the SET INTEGRITY command Utilize the Db2 problem determination (db2pd) and dsmtop tools

Configure and manage HADR Understand how to encrypt data in transit and at rest Who this book is for The IBM Db2 11.1 Certification Guide is an excellent choice for database administrators, architects, and application developers who are keen to obtain certification in Db2.

Basic understanding of Db2 is expected in order to get the most out of this guide.

DATABASE 2 for OS/390, Version 5 Application Programming and SQL Guide

DB2 Universal Database SQL Developer's Guide

Migrating from Microsoft SQL Server to IBM Informix

Enterprise Java mit IBM WebSphere

Subskriptionssysteme

Row and Column Access Support in IBM Db2 for i

The Definitive Solutions-Oriented Guide to IBM® Db2® for z/OS®: Now Fully Updated for Both v9 and v10! The largest database tuning performance gains can often be obtained from tuning application code, and applications that use SQL to retrieve data are the best candidates for tuning. This well-organized, easy-to-understand reference brings together more than 100 SQL-related skills and techniques that any developer can use to build and optimize Db2 applications for consistently superior performance. Db2 tuning expert Tony Andrews ( " Tony the Tuner " ) draws on more than 20 years of Db2-related experience, empowering you to take performance into your own hands, whether you ' re writing new software or tuning existing systems. Tony shows you exactly how to clear bottlenecks, resolve problems, and improve both speed and reliability. This book fully reflects the latest SQL programming best practices for Db2 V9 and Db2 V10 on z/OS: techniques that are taught in no other book and are rarely covered in general Db2 SQL courses. Drawing on his extensive consulting experience and highly praised training with Themis Inc., Tony also presents practical checklists and an invaluable 15-step methodology for optimizing virtually any Db2 application. Coverage includes Empowering developers on knowing what to do and where to look in resolving performance problems in queries or programs Providing many programming and SQL coding examples Establishing standards and guidelines that lead to high-performance SQL Implementing time-efficient code walkthroughs to ensure that your standards are followed Focusing on the small number of SQL statements that consume the most resources Identifying simple solutions that deliver the most sizable benefits Optimizing performance by rewriting query predicates more efficiently Providing a better understanding of SQL optimization and Runstat statistics Recognizing opportunities to tweak your code more effectively than the Optimizer Optimizing SQL code with COBOL applications Efficiently checking for the existence of data, rows, or tables Using Runstats ' newest capabilities to consistently optimize paths to data

Jürgen Glag's book points out how to ensure professional and efficient database software development in Db2 mainframe and client/server environments. The asset of this book is that technical aspects (performance, tuning) and organizational measures (economical performance) are covered. Consequently, this book is suitable particularly for organizations that want to use Db2 in an economical and safe way. Work in various large production systems with Db2 revealed that most performance problems arise either from a certain critical transaction load onwards or for particularly large tables. Many measures can be taken in order to identify and to solve these problems during software development and not, as is often the case, only in production environment. Beyond explaining the causes for performance problems, this book also describes and explains well-proven measures to avoid such problems. The book particularly addresses those persons who are responsible for data processing and quality assurance, project leaders and project managers in the data processing area, and software and application developers. Das Buch von Glag zeigt, wie professionelle und effiziente DB2-Anwendungsentwicklung im Db2-Großrechnerbereich und Client/Server-Umfeld sichergestellt werden können. Der Vorzug des Buches ist es, daß sowohl die technischen Aspekte (Performance, Tuning) als auch organisatorische Maßnahmen zur Optimierung (wirtschaftliche Performance) dargestellt werden. Damit eignet sich das Buch insbesondere für den Einsatz in Unternehmen, die Db2 kostengünstig und sicher einsetzen wollen. Bei der Arbeit in mehreren großen produktiven Db2-Umgebungen hat sich gezeigt, daß die meisten Performance-Probleme entweder erst ab einer bestimmten kritischen Transaktionslast oder bei besonders umfangreichen Tabellengrößen auftreten. Um diese Probleme nicht erst in der Produktionsumgebung, sondern bereits während der Softwareentwicklung erkennen und lösen zu können, sind eine Reihe von Maßnahmen

PLEASE PROVIDE COURSE INFORMATION PLEASE PROVIDE

IBM's definitive DB2 UDB V7.1 application development reference and exam study guide for the OS/390 and z/OS platforms An official IBM self-study guide for the Db2 UDB V7.1 Family Application Development Exam (#514) Expert Db2 programming tips, techniques, and guidelines from application development experts Covers data structures, SQL, stored procedures, programming/language environments, debugging, tuning, and more CD-ROM contains complete Db2 application development sample exam The definitive, authoritative guide to Db2 OS/390 application development certification Covers data structures, SQL, stored procedures, programming/language environments, debugging, tuning, and much more Includes a full section on object-relational programming and other advanced techniques Sample test questions help you prepare for the IBM Db2 UDB V7.1 Family Application Development Exam (#514) About the CD The CD-ROM included with this book contains a complete Db2 UDB V7.1 Family Application Development Exam (#514) sample exam. IBM Db2 UDB Version 7.1 for OS/390 and z/OS delivers unparalleled performance, scalability, and reliability in today's enterprise business environments. Now, there's a complete, authoritative guide to developing applications with Db2 UDB V7.1 in both OS/390 and z/OS environments--and preparing for the IBM Db2 UDB V7.1 Family Application Development Exam (#514). This comprehensive day-to-day guide to Db2 UDB application development is also the only book that delivers the depth of knowledge professionals need to pass IBM's challenging application development exam for the OS/390 and z/OS platforms. IBM Gold Consultant Susan Lawson presents hundreds of useful tips, practical techniques, and expert guidelines for every facet of Db2 UDB application development and every stage of the development process for both OS/390 and z/OS platforms Coverage includes: Foundations for effective Db2 development, including an overview of the Db2 UDB product family and Db2 for OS/390 data structures SQL: basic concepts and coding techniques through advanced OLAP features, star schemas, and star joins Stored procedures, including the SQL procedure language and IBM's Stored Procedure Builder Best practices for application testing, debugging, and performance tuning The full range of Db2 development tools, including ODBC/CLI, Java(tm), COBOL, C, C++, REXX, CAF, CICS, and RRSAAF Object-relational programming, including user-defined functions, user-defined data types, and triggers In-depth coverage of locking and concurrency Whether you're developing for Db2 UDB V7.1 in an OS/390 or z/OS environment, managing Db2 UDB V7.1 application development, preparing for Db2 UDB V7.1 Family Application Development, or all three, Db2 UDB for OS/390 Version 7.1 Application Certification Guide will be your single most valuable resource. IBM Db2 Series

Organizational and Technical Measures for Performance Optimization

IBM Db2 SQL for Beginners

DB2 Universal Database V8.1 Certification Exam 703 Study Guide

Konzept und Sprache

A Guide to Db2

effizient entwickeln mit J2EE 1.4, JSF und SDO

**A practical guide to Db2 z/OS database administration that is 100 percent focused on running Db2 in z/OS environments The only comprehensive preparation guide for the IBM Certified Database Administrator for Db2 Universal Database V8 z/OS certification Covers database planning, design, implementation, operation, recovery, security, performance, installation, migration, and more Sample test questions help you prepare for both IBM Db2 DBA Tests 700 and 702 IBM Db2 Universal Database Version 8 for z/OS offers enterprises unprecedented opportunities to integrate information, deliver it on demand, and manage it simply and cost-effectively. Now, one of the world's leading DB2 consultants presents the definitive guide to administering Db2 UDB V8 databases in z/OS environments. Db2 for z/OS Version 8 DBA Certification Guide also serves as a key tool for anyone preparing for IBM Certified Database Administrator for Db2 Universal Database V8 for z/OS certification. IBM Gold Consultant Susan Lawson presents hundreds of practical techniques, expert guidelines, and useful tips for every facet of Db2 UDB database administration, including database implementation, operation, recovery, security, auditing, performance, installation, migration, SQL, and more. Coverage includes Understanding the Db2 product family, architecture, attachments, and the Db2 z/OS environment Securing enterprise-class Db2 installations and applications Using SQL to create and manage database objects, and manipulate and retrieve information Mastering key DBA tasks, including loading, reorganizing, quiescing, repairing, and recovering data; recovering and rebuilding indexes; and gathering statistics Implementing data sharing in Parallel Sysplex environments Learning the fundamentals of Db2 application development from the DBA's perspective Leveraging advanced Db2 functions, including stored procedures and other object-relational extensions Optimizing Db2 applications and the Db2 engine for maximum performance Whether you are administering Db2 UDB V8 in z/OS environments, planning to do so, or preparing for Db2 UDB V8 DBA certification, Db2 for z/OS Version 8 DBA Certification Guide will be your single most valuable resource.**

**Switching database vendors is often considered an exhausting challenge for database administrators and developers. Complexity, total cost, and the risk of downtime are often the reasons that restrain IT decision makers from starting the migration project. The primary goal of this book is to show that, with the proper planning and guidance, converting from MySQL to IBM® Db2® is not only feasible but straightforward. If you picked up this book, you are most likely considering converting to Db2 and are probably aware of several of the advantages of it to converting to Db2 data server. In this IBM Redbooks® publication, we discuss in detail how you can take advantage of this industry leading database server. This book is an informative guide that describes how to convert the database system from MySQL™ 5.1 to Db2® V9.7 on Linux® and the steps that are involved in enabling the applications to use Db2 instead of MySQL. This guide also presents the best practices in conversion strategy and planning, conversion tools, porting steps, and practical conversion examples. It is intended for technical staff that is involved in a MySQL to Db2 conversion project.**

**DEXA 2005, the 16th International Conference on Database and Expert Systems Applications, was held at the Copenhagen Business School, Copenhagen, Denmark, from August 22 to 26, 2005. The success of the DEXA series has partly been due to the way in which it has kept abreast of recent developments by spawning specialized workshops and conferences each with its own proceedings. In 2005 the DEXA programme was co-located with the 7th International Conference on Data Warehousing and Knowledge Discovery [DaWaK 2005], the 6th International Conference on Electronic Commerce and Web Technologies [EC-Web 2005], the 4th International Conference on Electronic Government [EGOV 2005], the 2nd International Conference on Trust, Privacy, and Security in Digital Business [TrustBus 2005], the 2nd International Conference on Industrial Applications of Holonic and Multi-agent Systems [HoloMAS 2005], as well as 19 specialized workshops. These proceedings are the result of a considerable amount of hard work. Beginning with the preparation of submitted papers, the papers went through the reviewing process. This process was supported by online discussion between the reviewers to determine the final conference program. The authors of accepted papers revised their manuscripts to produce this fine collection. DEXA 2005 received 380 submissions, and from those the Program Committee selected the 92 papers in these proceedings. This year the reviewing process generated more than 1000 referee reports. The hard work of the authors, the referees and the Program Committee is gratefully acknowledged.**

**This book is targeted for IBM Certified Database Administrator candidates for Db2 8.1. It includes over 200 practice questions and answers for IBM Exam 701 (3 complete practice exams).**

**Db2 UDB 8.1 Exam 700 Practice Questions**

**Optimizing Db2 Queries with IBM Db2 Analytics Accelerator for z/OS**

**SQL Procedures, Triggers, and Functions on IBM Db2 for i**

**J2EE-Applikationen effizient entwickeln**

**IBM Db2 11.1 Certification Guide**

**A Beginner's Tutorial**

Updates the comprehensive user's guide to IBM's popular relational database software for mainframe computers, to describe the latest version, 2.3. Explains all the key components of the Db2 environment including the IBM "solution frameworks" AD/cycle, and the information warehouse, in which Db2 plays a pivotal role. Annotation copyrighted by Book News, Inc., Portland, OR

This book, IBM Db2 SQL for Beginners, is for you if you want to learn SQL in the IBM Db2 database the easy way. SQL (Structured Query Language) is the standard language you use to interact with a relational database management system (RDBMS). This book uses the free edition of the IBM Db2 database called Express-C Edition to show how SQL works in Db2.

In this IBM® Redbooks® publication, we discuss considerations, and describe a methodology, for transitioning from Microsoft® SQL Server 2008 to the Informix® Dynamic Server. We focus on the topic areas of data, applications, and administration, providing information about the differences in features and functionality, including the data types, data manipulation language, data definition language, and stored procedures. Understanding the features and functionality of the two products assists you in developing a migration plan. We provide a conversion methodology and discuss the processes for migrating the database objects and data from SQL Server to Informix using various methods. We show the SQL differences between SQL Server and Informix and illustrate, with examples, how to convert tables, views, stored procedures, functions, and triggers. We provide a step-by-step conversion process for data loading. We describe application programming and conversion considerations. In addition, we discuss the Informix configuration, as well as the administration features and functions Informix provides to help DBAs manage the Informix database server after it is migrated. With this information, you can develop your required transition methodology, and you can plan and execute the conversion activities in an orderly and cost-effective manner.

Db2 Developer's Guide is the field's #1 go-to source for on-the-job information on programming and administering Db2 on IBM z/OS mainframes. Now, three-time IBM Information Champion Craig S. Mullins has thoroughly updated this classic for Db2 v9 and v10. Mullins fully covers new Db2 innovations including temporal database support; hashing; universal tablespaces; pureXML; performance, security and governance improvements; new data types, and much more. Using current versions of Db2 for z/OS, readers will learn how to: • Build better databases and applications for CICS, IMS, batch, CAF, and RRSAAF • Write proficient, code-optimized Db2 SQL • Implement efficient dynamic and static SQL applications • Use binding and rebinding to optimize applications • Efficiently create, administer, and manage Db2 databases and applications • Design, build, and populate efficient Db2 database structures for online, batch, and data warehousing • Improve the performance of Db2 subsystems, databases, utilities, programs, and SQL stat Db2 Developer's Guide, Sixth Edition builds on the unique approach that has made previous editions so valuable. It combines: • Condensed, easy-to-read coverage of all essential topics; information otherwise scattered through dozens of documents • Detailed discussions of crucial details within each topic • Expert, field-tested implementation advice • Sensible examples

IBM DATABASE 2, Version 3, Db2

DB2 Universal Database for OS/390 Version 7.1 Certification Guide

Explore techniques to master database programming and administration tasks in IBM Db2

Sql Guide (Speedy Study Guides)

DB2 Universal Database for OS/390

Essential Guide for Db2 UDB on Linux, UNIX, Windows, i5/OS, and z/OS

**DB2 SQL developers now have a handy reference guide with tuning tips to improve performance in queries, programs and applications. Poorly coded programs or improperly coded SQL statements are often the culprit causing poor performance. Many developers working with an IBM Db2 relational database will benefit from this guide, entitled 'Db2 SQL 75+ Tuning Tips For Developers'. The book's focus is to increase developers' knowledge in the ways of performance and tuning in an IBM Db2 relational database environment. In an organized and easy-to-understand format, the guide provides development and SQL tips that will help developers improve performance problems. By modifying application and SQL code, understanding Runstat options, or adding and altering indexes, there are many things that developers can do to resolve performance issues. This book provides development tips and suggestions, along with many SQL coding examples, all with the purpose of gaining better performance.**

**Db2 Universal Database v8 builds on the world's #1 enterprise database to simplify anytime/anywhere information integration, streamline management, automate resource tuning, enhance business intelligence, and maximize performance, scalability, and reliability. Now, IBM offers complete, start-to-finish coverage of Db2 Universal Database v8 administration and development for UNIX, Linux, and Windows platforms... "and authoritative preparation for IBM's newest Db2 certification exam." This definitive reference and self-study guide covers every aspect of deploying and managing Db2 Universal Database v8, including best practices for Db2 database design and development; day-to-day administration and backup; expert techniques for deploying networked, Internet-centered, and XML-based database applications; migrating to Db2 UDB v8; and much more.You'll also find an unparalleled collection of IBM tips and tricks for maximizing the performance, availability, and value of any database system. Coverage includes: Manageability and serviceability enhancements, including new tools for storage management and monitoring database health Performance improvement with multidimensional clustering, enhanced prefetching, threading of Java UDFs and stored procedures, and materialized query tables New Setup wizards, configuration assistants, GUI tools, and Db2 Administration Server (DAS) improvements Availability and scalability enhancements New Db2 v8 Replication and Data Warehouse Centers Major improvements for developers, including SQL, XML, JDBC, and CLIL enhancements Whether you're a DBA, a developer, a Db2 certification candidate, or all three, "Db2 Universal Database v8 for Linux, UNIX, and Windows Database Administration Certification Guide" is the one book you can't afford to be without. Straight from IBM, the ultimate guide to running Db2 v8 and preparing for IBM's latest Db2 certification exam! In-depth coverage of Db2 v8 database administration and development Covers new Db2 v8 enhancements in manageability, serviceability, reliability, availability, and performance Contains in-depth coverage of new Db2 v8 tools, including the Replication, Data Warehouse, and Development Centers Presents expert tips and best practices from IBM's own Db2 customer support organization About the CDThe CD-ROM included with this book contains a complete trial version of Db2 UDB V8 Personal Edition, plus the Db2Dемо program to help explore the many features of Db2.**

**The IBM® Db2® Analytics Accelerator Version 2.1 for IBM z/OS® (also called Db2 Analytics Accelerator or Query Accelerator in this book and in Db2 for z/OS documentation) is a marriage of the IBM System z® Quality of Service and Netezza® technology to accelerate complex queries in a Db2 for z/OS highly secure and available environment. Superior performance and scalability with rapid appliance deployment provide an ideal solution for complex analysis. This IBM Redbooks® publication provides technical decision-makers with a broad understanding of the IBM Db2 Analytics Accelerator architecture and its exploitation by documenting the steps for the installation of this solution in an existing Db2 10 for z/OS environment. In this book we define a business analytics scenario, evaluate the potential benefits of the Db2 Analytics Accelerator appliance, describe the installation and integration steps with the Db2 environment, evaluate performance, and show the advantages to existing business intelligence processes.**

**In zunehmendem Maße müssen immer größere Datenmengen in Datenbanksystemen verwaltet werden. Ein neuer Ansatz zur Beherrschung großer Datenbanken ist die Archivierung in Datenbanksystemen. Das Buch stellt hierfür ein Konzept und eine Sprache vor.**

**Converting Adabas to IBM Db2 for z/OS with ConsistADS**

**A Solutions-Oriented Approach to Learning the Foundation and Capabilities of Db2 for z/OS**

**Archivierung in Datenbanksystemen**

**Modernizing IBM i Applications from the Database up to the User Interface and Everything in Between**

**Verwaltung und Erzeugung von XML-Dokumenten in Db2 ; [mit OnLine-Service]**

**DB2 Developer's Guide**

-- Structured Query Language (SQL) is critical to Db2 -- SQL is a standardized query language for requesting information from a database. Although there are different dialects of SQL, it is nevertheless the closest thing to a standard query language that currently exists. -- Db2 Market Share -- IBM's Db2 database took the lead in the database market in license revenue for 1998. Now controlling 32.3% of the market. -- Db2 -- Or, Database 2, is a family of relational database products offered by IBM, and it runs on a wide variety of computing platforms, including Windows, UNIX, and OS/2. Using SQL, users can obtain data simultaneously from Db2 and other databases. -- Hands-on information -- Shows readers how to develop Db2 applications using embedded SQL. Walks readers through the basic steps needed to build, test, and debug embedded SQL applications that communicate with Db2 databases. -- Full explanation -- Each SQL statement available will be explained in detail and tested with C++ and JAVA programming examples that illustrate how to embed each SQL statement in an application source code. This will be available both in the book, and on the disc. -- Valuable CD-ROM -- The disc contains the latest version of IBM Db2 Universal Server, plus all of the code from the book and extra development tools and utilities. Approximately 350 Java and C++ example programs are provided in this book.

This book will be written for people who are now to the Db2 product. The readers/users will be migrating from desktop systems or coming from other popular database systems such as Oracle. Many will be also coming from other operating systems such as Windows and UNIX.

The first start-to-finish guide to IBM's brand-new Db2 Application Developer certification exam! Write Db2 applications using Embedded SQL, ADO, CLIODBC, JDBC, SQLJ, Perl DBI, stored procedures, and more! Leverage new Db2 extenders for searching documents, XML composition/decomposition; managing multimedia databases, and more. Complete cross-platform coverage for UNIX, Linux, Windows and OS/2 environments! IBM has just expanded its highly successful Db2 certification program to include a developer's exam -- and this is the first book to offer start-to-finish preparation! The book covers every Db2 Application Developer exam objective, and includes a complete sample exam. Start by reviewing the Db2 client/server environment, comparing the multiple programming interfaces available to Db2 application developers, and understanding when to choose each. Next, walk through the fundamentals of Db2 application development with Embedded SQL, ADO, CLIODBC, JDBC, SQLJ, and the Perl DBI. Learn how to create effective stored procedures, and when to use them. Discover how to use Db2 extenders to enhance your application's functionality, adding more effective search features, XML support, multimedia archive management, and more.

Steve Sanyal is a Software Developer for the Db2 Universal Database Application Development Team at the IBM Toronto Lab. He specializes in JDBC, SQLJ and CLIODBC, and leads IBM's project to develop Java and XML-based performance and troubleshooting tools for Db2. David Martineau is a Staff Software Developer providing technical support for the Db2 UDB Application Development Team. He has provided sample code for Db2 UDB using interfaces such as ADO, CLI and Net.Data. Michael Kyriakou has worked with Db2 Universal Database and its predecessors since 1995. He is an IBM Advanced Technical Expert in Db2 DRDA and certified in Db2 UDB Database Administration and Application Development. Kevin Gashyna is a Db2 Universal Database application development specialist specializing in Db2 Extenders and Net.Data.

This book is targeted for IBM Certified Database Associate candidates for Db2 UDB 8.1. It includes over 200 practice questions and answers for IBM Exam 700 (4 complete practice exams).

DB2 for z/OS Version 8 DBA Certification Guide

PL/SQL in IBM Db2

DB2 Universal Database V8 for Linux, UNIX, and Windows Database Administration Certification Guide

SQL Reference

XQuery und SQL/XML in Db2-Datenbanken

Essential Guide for Db2 UDB on Linux, Unix, Windows, i5/OS, and z/OS

**The accompanying CD-ROM contains source code, Db2 product documentation, and a complete trial version of Db2 Enterprise Server Edition for Windows version 8.2.**

**This IBM® Redpaper™ publication provides information about the IBM i 7.2 feature of IBM Db2® for i Row and Column Access Control (RCAC). It offers a broad description of the function and advantages of controlling access to data in a comprehensive and transparent way. This publication helps you understand the capabilities of RCAC and provides examples of defining, creating, and implementing the row permissions and column masks in a relational database environment. This paper is intended for database engineers, data-centric application developers, and security officers who want to design and implement RCAC as a part of their data control and governance policy. A solid background in IBM i object level security, Db2 for i relational database concepts, and SQL is assumed.**

**SQL stands for Structured Query Language, and it is a programming language that is entirely designed for the management of data in a database system. Knowing SQL is an essential skill for today's programmer, and if you are looking for a career in information tech, you will quickly realize that SQL can push you far ahead of the rest of the people competing for the position. SQL is a very rich, very developed language, and a chart is great for keeping in mind the structures and the specific syntax that is used.**

**IBM® Db2® Version 10.1 for z/OS® (Db2 10 for z/OS or just Db2 10 throughout this book) is the fourteenth release of Db2 for MVS/VM. It brings improved performance and synergy with the System z® hardware and more opportunities to drive business value in the following areas: Cost savings and compliance through optimized innovations Db2 10 delivers value in this area by achieving up to 10% CPU savings for traditional workloads and up to 20% CPU savings for nontraditional workloads, depending on the environment. Synergy with other IBM System z platform components reduces CPU use by taking advantage of the latest processor improvements and z/OS enhancements. Streamline security and regulatory compliance through the separation of roles between security and data administrators, column level security access, and added auditing capabilities. Business insight innovations Productivity improvements are provided by new functions available for pureXML, data warehousing, and traditional online TP applications Enhanced support for key business partners that allow you to get more from your data in critical business disciplines like ERP Bitemporal support for applications that need to correlate the validity of data with time. Business resiliency innovations Database on demand capabilities to ensure that information design can be changed dynamically, often without database outages. Db2 operations and utility improvements enhancing performance, usability, and availability by exploiting disk storage technology. The Db2 10 environment is available either for brand new installations of Db2, or for migrations from Db2 9 for z/OS or from Db2 UDB for z/OS Version 8 subsystems.**

**This IBM Redbooks® publication introduces the enhancements made available with Db2 10 for z/OS. The contents help you understand the new functions and performance enhancements, start planning for exploiting the key new capabilities, and justify the investment in installing or migrating or skip migrating to Db2 10.**

**16th International Conference, DEXA 2005, Copenhagen, Denmark, August 22-26, 2005, Proceedings**

**Db2 SQL Tuning Tips for z/OS Developers**

**Certification Guide**

**Db2 PL**

**Db2 8 Exam 701 Practice Questions**

**DB2 Universal Database V7.1 Application Development**

Consist Advanced Development Solution (ConsistADS) is an end-to-end conversion solution that conversion and transparency methods for migrating to IBM® Db2® for z/OS® software. The solution includes Db2 for z/OS and several Db2 tools as part of the package. This IBM Redpaper™ publication explains the Natural and Adabas conversion to Db2 for z/OS by using ConsistADS. It includes prerequisite technical assessment requirements and conversion challenges. It also describes a real customer conversion scenario that was provided by the IBM Business Partners that facilitated these conversions for customers.

This IBM® Redbooks® publication describes IBM Db2® SQL compatibility features. The latest version of Db2 includes extensive native support for the PL/SQL procedural language, new data types, scalar functions, improved concurrency, built-in packages, OCI, SQLPlus, and more. These features can help with developing applications that run on both Db2 and Oracle and can help simplify the process of moving from Oracle to Db2. In addition, IBM now provides tools to simplify the enablement process, such as the highly scalable IBM Data Movement Tool for moving schema and data into Db2, and an Editor and Profiler for PL/SQL provided by the IBM Data Studio tool suite. This Oracle to Db2 migration guide describes new technology, preferred practices for moving to Db2, and common scenarios that can help you as you move from Oracle to Db2. This book is intended for IT architects and developers who are converting from Oracle to Db2. Db2 compatibility with Oracle is provided through native support. The new capabilities in Db2 that provide compatibility are implemented at the lowest and most intimate levels of the database kernel, as though they were originally engineered for Db2, means that the Db2 implementation is done without the aid of an emulation layer. This intimacy leads to the scalable implementation that Db2 offers, providing identical performance between Db2 compatibility features and Db2 other language elements. For example, Db2 runs SQL PL at the same performance as PL/SQL implementations of the same function.

This IBM® Redbooks® publication is focused on melding industry preferred practices with the unique needs of the IBM i community and providing a holistic view of modernization. This book covers key trends for application structure, user interface, data access, and the database. Modernization is a broad term when applied to applications. It is more than a single event. It is a sequence of actions. But even more, it is a process of rethinking how to approach the creation and maintenance of applications. There are tangible deliveries when it comes to modernization, the most notable being a modern user interface (UI), such as a web browser or being able to access applications from a mobile device. The UI, however, is only the beginning. There are many more aspects to modernization. Using modern tools and methodologies can significantly improve productivity and reduce long-term cost while positioning applications for the next decade. It is time to put the past away. Tools and methodologies have undergone significant transformation, improving functionality, usability, and productivity. This is true of the plethora of IBM tools and the wealth of tools available from many Independent Solution Providers (ISVs). This publication is the result of work that was done by IBM, industry experts, and by representatives from many of the ISV Tool Providers. Some of their tools are referenced in the book. In addition to reviewing technologies based on context, there is an explanation of why modernization is important and a description of the business benefits of investing in modernization. This critical information is key for line-of-business executives who want to understand the benefits of a modernization project. This book is appropriate for CIOs, architects, developers, and business leaders. Related information Making the Case for Modernization, IBM Systems Magazine

Practical Tutorial by Examples

Oracle to Db2 Conversion Guide: Compatibility Made Easy

Db2 SQL PL

Db2 Sql 75+ Tuning Tips for Developers

Marktplatz für omniprésente Informationen

DB2 Universal Database for OS/390 V7.1 Application Certification Guide