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21st Century RPG: /FREE, ILE, and MV
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External Procedures, Triggers, and User-Defined Functions on IBM DB2 for i

SQL/400 Developer's Guide

This important work offers the most comprehensive and up-to-date account of the Orthodox Church available, providing a detailed account of its historical development, as well as exploring Orthodox theology and culture. Written by one of the leading Orthodox historians and theologians in the English-speaking world. Offers an in-depth engagement with the issues surrounding Orthodoxy's relationship to the modern world, including political, cultural and ethical debates. Considers the belief tradition, spirituality, liturgical diversity, and Biblical heritage of the Eastern Churches; their endurance of oppressions and totalitarianisms; and their contemporary need to rediscover their voice and confidence in a new world-order. Recipient of a CHOICE Outstanding Academic Title for 2009 award.

The Modern RPG IV Language

Learning CL programming has never been easier, thanks to CL Programming for the AS/400-Second Edition, the enhanced version of Greg Veal's 1992 best-seller. Completely updated for V4R4, this book has new, comprehensive information on CL in the ILE, and each of its 14 chapters has been refined to include comparisons of important concepts from the ILE and Original Program Model (OPM) perspectives. Learning the material will be easy as you progress through the more advanced concepts using examples of real-world programs just like those that support user applications and system operations in many companies. In addition,

review questions at the end of each chapter will allow you to self-test your knowledge. An optional instructor's guide with progressive lab assignments, exercise hints, and sample solutions is also available.

IBM Journal of Research and Development

This IBM® Redbooks® publication provides a technical overview of the features, functions, and enhancements available in IBM i 7.1, including all the Technology Refresh (TR) levels from TR1 to TR7. It provides a summary and brief explanation of the many capabilities and functions in the operating system. It also describes many of the licensed programs and application development tools that are associated with IBM i. The information provided in this book is useful for clients, IBM Business Partners, and IBM service professionals who are involved with planning, supporting, upgrading, and implementing IBM i 7.1 solutions.

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

THE MODERN RPG LANGUAGE WITH STRUCTURED PROGRAMMING offers the most in-depth description of the RPG III language available anywhere. This book is a comprehensive text for new or potential AS/400 RPG III programmers. With more programmers using the RPG language on IBM mid-size computers than any other, it is essential to understand the uses & practicalities of The Modern RPG Language. This book is already in use by tens of thousands of system/3x & AS/400 shops, as well as colleges & universities around the world. It is fast becoming the book on which all new RPG programmer skills are based. For those people with some programming experience with a high level language, the fourth edition of this book covers the latest RPG III enhancements, embedded SQL, structured programming & all RPG/400 extensions, including the latest version of OS/400. Chapters include information on Specification Format Descriptions, The RPG Cycle, Operation Codes, Modern RPG Programming, File Processing, Exception/Error Handling, Arrays & Advanced Applications. Also available from Cozzi Research, CL PROGRAMMING FOR THE AS/400, APPLICATION DEVELOPMENT CONCEPTS FOR THE AS/400 & INTRODUCTION TO RPG WITH INTERACTIVE PROGRAMMING. For orders or more information: Cozzi Research, 29W120 Butterfield Road, Suite 101, Warrenville, IL 60555. Telephone: (800) 552-9404, outside USA (708) 393-4474, FAX: (708) 393-2936.

21st Century RPG: /FREE, ILE, and MVC

The AS/400 & IBM I RPG & Rpgiv Tutorial & Lab Exercises Third Edition

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

Re-Engineering RPG Legacy Applications

IBM Content Manager OnDemand Guide

The Application System/400 (AS/400) is IBM's family of full-range, general purpose computers, which encompass a broad range of related models. This book is a complete guide to the AS/400 system, utilities, database structure, and programming.

IBM SPSS for Intermediate Statistics

Combination Tutorial and Lab Book Designed for IBM i RPG & RPGIV based Application Development--- Finally, there is an affordable RPG and RPGIV tutorial for AS /400&IBM i RPG & RPGIV programming . It is much less expensive than other available self-study packages because it was built first to be a lab guide. It is designed to help students learn RPG without going broke. Additionally, this book is designed to be used by Colleges and Universities and corporate IT Training groups as an RPG/RPGIV course Lab book for RPG. The book is packaged to be used with an IBM i library designed to make learning as easy as possible. The book also has an optional set of "talking" PowerPoint slide presentations that are based on the popular AS/400&IBMi RPG & RPGIV Developers' Guide (text book). These slides can be an effective lecture series when used with or without a Moodle CMS. Besides all that there is a sample syllabus as well as optional quizzes to make the learning environment complete. In addition to the 1-2-3 type tutorial and lab exercises in the tutorial/lab guide, it also provides lecture material that not only helps you learn the language, the material helps you get your labs done right - screens designed, programs compiled, programs executed, and output examined. All IBM i Lab objects are included in the downloadable material standard with this book

package. The Labs are well done and well documented and they are built so that you can complete them successfully by visualizing the solution. Since nobody likes to key programs from scratch, the lab exercises are already typed with enough important material redacted to provide painless learning. You learn programming rather than typing. The capstone lab is almost 500 statements of RPGIV learning. By the time you finish the last lab, you will not be a better typist but you will have learned RPG / RPGIV. There are many RPG books and expensive self studies but there has never been an RPG tutorial/lab guide as affordable and as well-done as this. You won't want to put down this comprehensive guide to learning IBM i RPG/RPGIV now that you've got your hands on it. Considering the age of RPG, this book is almost 50 years overdue. In today's IT landscape, most IBM i shops support both RPG and ILE RPG. Besides its easy-to read down-home writing style, the major benefit of this book is that it is built to be a learning tool and thus it can help anyone whose mission it is to educate / train new RPG & ILE RPG (RPGIV) programmers . Programmers are responsible for maintaining and extending the RPG programs that run businesses across the world. Programming in RPG helps get business applications running sooner. Using this tutorial /lab guide help students, neophyte and novices learn the language sooner. For those with a non-IBM i IT background, this book has enough exercises to help you qualify for an entry level position upon faithful completion. It's in there

The Modern RPG Language with Structured Programming

Annotation For readers who have had some programming experience with a high-level language such as PL/I, COLBO, FORTANS, or any version of RPG, Cozzi explains RPG IV, the latest version of the Report Program Generator language first devised in 1960. This version is the one implemented by the IBM Corporation on computers running the OS/400 operating system, and is compatible with OS/400 Version 5, Release 2 and earlier. He discusses the RPG cycle only briefly, now that it is no longer considered a productive method, and has been replaced by structured programming constructs. He does not provide a bibliography or mention dates for earlier editions. Annotation (c)2003 Book News, Inc., Portland, OR (booknews.com).

Programming in Cobol/400

For companies moving their COBOL applications from older mainframes to AS/400, this book cover the specific tools from COBOL 400 that programmers need to convert and develop their applications.

IBM i 7.2 Technical Overview with Technology Refresh Updates

This IBM® Redbooks® publication provides a practical guide to the design, installation, configuration, and maintenance of IBM Content Manager OnDemand Version 9.5. Content Manager OnDemand manages the high-volume storage and retrieval of electronic statements and provides efficient enterprise report management. Content Manager OnDemand transforms formatted computer output and printed reports, such as statements and invoices, into electronic information for easy report management. Content Manager OnDemand helps eliminate costly,

high-volume print output by capturing, indexing, archiving, and presenting electronic information for improved customer service. This publication covers the key areas of Content Manager OnDemand, some of which might not be known to the Content Manager OnDemand community or are misunderstood. The book covers various topics, including basic information in administration, database structure, storage management, and security. In addition, the book covers data indexing, loading, conversion, and expiration. Other topics include user exits, performance, retention management, records management, and many more. Because many other resources are available that address subjects on different platforms, this publication is not intended as a comprehensive guide for Content Manager OnDemand. Rather, it is intended to complement the existing Content Manager OnDemand documentation and provide insight into the issues that might be encountered in the setup and use of Content Manager OnDemand. This book is intended for individuals who need to design, install, configure, and maintain Content Manager OnDemand.

Exploring IBM AS/400 Computers

This IBM® Redpaper™ publication is a comprehensive guide covering the IBM Power 720 and Power 740 servers supporting AIX®, IBM i, and Linux operating systems. The goal of this paper is to introduce the innovative Power 720 and Power 740 offerings and their major functions, including these: The POWER7™ processor available at frequencies of 3.0 GHz, 3.55 GHz, and 3.7 GHz. The specialized POWER7 Level 3 cache that provides greater bandwidth, capacity, and reliability. The 2-port 10/100/1000 Base-TX Ethernet PCI Express adapter included in the base configuration and installed in a PCIe Gen2 x4 slot. The integrated SAS/SATA controller for HDD, SSD, tape, and DVD. This controller supports built-in hardware RAID 0, 1, and 10. The latest PowerVMTM virtualization including PowerVM Live Partition Mobility and PowerVM Active Memory™ Sharing. Active Memory Expansion that provides more usable memory than what is physically installed on the system. EnergyScale™ technology that provides features such as power trending, power-saving, capping of power, and thermal measurement. Professionals who want to acquire a better understanding of IBM Power Systems products can benefit from reading this paper. This paper expands the current set of IBM Power Systems documentation by providing a desktop reference that offers a detailed technical description of the Power 720 and Power 740 systems. This paper does not replace the latest marketing materials and configuration tools. It is intended as an additional source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

SQL for IBM I

The IBM® i operation system (formerly IBM i5/OS®) is considered one of the most secure systems in the industry. From the beginning, security was designed as an integral part of the system. The System i® platform provides a rich set of security features and services that pertain to the goals of authentication, authorization, integrity, confidentiality, and auditing. However, if an IBM Client does not know that a service, such as a virtual private network (VPN) or hardware cryptographic support, exists on the system, it will not use it. In addition, there are more and more security auditors and consultants who are in charge of implementing

corporate security policies in an organization. In many cases, they are not familiar with the IBM i operating system, but must understand the security services that are available. This IBM Redbooks® publication guides you through the broad range of native security features that are available within IBM i Version and release level 6.1. This book is intended for security auditors and consultants, IBM System Specialists, Business Partners, and clients to help you answer first-level questions concerning the security features that are available under IBM. The focus in this publication is the integration of IBM 6.1 enhancements into the range of security facilities available within IBM i up through Version release level 6.1. IBM i 6.1 security enhancements include: - Extended IBM i password rules and closer affinity between normal user IBM i operating system user profiles and IBM service tools user profiles - Encrypted disk data within a user Auxiliary Storage Pool (ASP) - Tape data save and restore encryption under control of the Backup Recovery and Media Services for i5/OS (BRMS) product, 5761-BR1 - Networking security enhancements including additional control of Secure Sockets Layer (SSL) encryption rules and greatly expanded IP intrusion detection protection and actions. DB2® for i5/OS built-in column encryption expanded to include support of the Advanced Encryption Standard (AES) encryption algorithm to the already available Rivest Cipher 2 (RC2) and Triple DES (Data Encryption Standard) (TDES) encryption algorithms. The IBM i V5R4 level IBM Redbooks publication IBM System i Security Guide for IBM i5/OS Version 5 Release 4, SG24-6668, remains available.

AS/400

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

Application development is a key part of IBM® i businesses. The IBM i operating system is a modern, robust platform to create and develop applications. The RPG language has been around for a long time, but is still being transformed into a modern business language. This IBM Redbooks® publication is focused on helping the IBM i development community understand the modern RPG language. The world of application development has been rapidly changing over the past years. The good news is that IBM i has been changing right along with it, and has made significant changes to the RPG language. This book is intended to help developers understand what modern RPG looks like and how to move from older versions of RPG to a newer, modern version. Additionally, it covers the basics of Integrated Language Environment® (ILE), interfacing with many other languages, and the best tools for doing development on IBM i. Using modern tools, methodologies, and languages are key to continuing to stay relevant in today's world. Being able to find the right talent for your company is key to your continued success. Using the guidelines and principles in this book can help set you up to find that talent today and into the future. This publication is the result of work that was done by IBM, industry experts, business partners, and some of the original authors of the first edition of this book. This information is important not only for developers, but also business decision makers (CIO for example) to understand that the IBM i is not an 'old' system. IBM i has modern languages and tools. It is a matter of what you choose to do with the IBM i that defines its age.

Security Guide for IBM i V6.1

Java is here to stay. As the roles of Java in business and e-business applications continue to grow, all iSeries and AS/400 IT professionals have a choice to make. Learn Java, or get left behind. If you are a programmer who wants to stay on the cutting edge of your career, you will have to learn Java, and you will have to use Java. If you are a development manager, you will need to understand Java and its promise. If you are an architect, it is even more important to know Java and know when and where to use it. Or not use it. IBM is not abandoning RPG, but more and more Java is finding a role in leading-edge applications. For an RPG programmer, learning Java can be daunting, but with the right help, it's a skill that can be mastered. This book offers that help. It gently yet comprehensively walks you through the Java language and core Java-supplied functionality. Best of all, you will learn Java by comparing it to RPG! You learned RPG. Leverage that investment and learn Java!

Fortress Rochester

IBM Power 720 and 740 (8202-E4C, 8205-E6C) Technical Overview and Introduction

IBM i 6.1 Technical Overview

The easy-to-read best-seller, completely updated for the latest in network technology For years, professionals have trusted IBM's redbooks to bring them practical, comprehensive information on the most recent technology. Building on this tradition of excellence, TCP/IP Tutorial and Technical Overview offers uniquely detailed coverage of all aspects of TCP/IP architecture, protocols, and product implementations. This new edition includes thorough treatments of such new technologies as multimedia, virtual private networks, differential services, and IPv6. In addition, it retains the redbooks special focus on IBM systems, with a view toward using them in heterogeneous network solutions. Like other redbooks, TCP/IP Tutorial and Technical Overview is written by a group of experts from IBM's ITSO. These practicing engineers from around the world work hands-on with new products and systems in the development phase, giving them a wealth of practical expertise they can pass on to you. In this book, they cover such state-of-the-art topics as: * Internet security, including IPSec, VPN, firewalls and SET(191). IP mobility and dynamic IP. IP multicasting and multimedia examples. eCommerce and In

IBM AS/400

IBM i professionals are known for their dedication to IBM's midrange computing platform. But while IBM's technology has evolved, not all IBM i programmers' skills have kept pace. If you are part of this group--an IBM i programmer who has not yet made the leap to coding with the latest technologies--ILE RPG, free-format RPG, and Model-View-Controller (MVC)--or someone who needs more practice with them,

this is the book for you. "21st Century RPG: /FREE, ILE, and MVC" has a simple mission: to educate programmers who have been left behind in the IBM i's evolution, so they can code more productively and modernize their business applications. Shirey uses a casual, humorous teaching style to explain the concepts, along with plenty of code examples. The book helps readers gain confidence in areas that may be new to them, with examples that let them practice what they've learned. Shirey has structured the book so that whether you're running the latest IBM i technology or an older version, you will learn ways to improve your coding and applications, and get comfortable with writing programs using ILE RPG, free-format, and MVC.

Interface Age, Computing for Business

This book provides a friendly, practical introduction to open source development options for programmers who build applications to run on IBM i computers. The author dispenses guidance to help developers get into open source in a strategic way--for example, helping them to assess the tools and platforms based on criteria such as their business needs, capabilities of the open source technologies, and career development considerations. Readers will take away a clear understanding of open source on IBM i platforms and tools, how these tools fit in with IBM i app development, and the next steps they must take in order to start developing with open source technologies.

Rexx Programmer's Reference

A comprehensive Perl reference contains a CD-Rom with sample scripts and applications from the book, in addition to appendices for the advanced Perl user with an alphabetized function reference for the built-in Perl functions, and much more. Original. (All Users).

Interface Age

This book aims to give IBM i technical users basic to intermediate SQL knowledge and tools they can use to get more out of the IBM i database. The book can be useful to veteran IBM i programmers, who have RPG and COBOL roots, system administrators looking to get more information out of their IBM i system, or even Java and .NET developers who need to "talk" to IBM i database. The author provides comprehensive examples and exercises to help readers understand and practice what they have learned.

Smarter Business: Dynamic Information with IBM InfoSphere Data Replication CDC

There is a strong shift in the industry toward reuse of the existing software and hardware resources within the companies to minimize the IT cost. Instead of creating or buying a new solutions, companies are trying to build a set of reusable software components based on the existing applications. These components can be quickly assembled in many different ways to satisfy the business needs of the companies. This environment is based on service-oriented architecture (SOA) and

solutions that support business process automation. This book provides the detailed information about multiple ways for building SOA-based solutions around the System i platform. The discussion in the book covers the server and client side implementations that include: - ProgramCall in IBM Toolbox for Java - Host Access Transformation Services (HATS) - DB2 Web services - PHP - IBM Web Services Client for ILE - Java-Server Faces (JSF) Parts of the book are appropriate for CIOs, system architects, and application developers.

Java for RPG Programmers

To make better informed business decisions, better serve clients, and increase operational efficiencies, you must be aware of changes to key data as they occur. In addition, you must enable the immediate delivery of this information to the people and processes that need to act upon it. This ability to sense and respond to data changes is fundamental to dynamic warehousing, master data management, and many other key initiatives. A major challenge in providing this type of environment is determining how to tie all the independent systems together and process the immense data flow requirements. IBM® InfoSphere® Change Data Capture (InfoSphere CDC) can respond to that challenge, providing programming-free data integration, and eliminating redundant data transfer, to minimize the impact on production systems. In this IBM Redbooks® publication, we show you examples of how InfoSphere CDC can be used to implement integrated systems, to keep those systems updated immediately as changes occur, and to use your existing infrastructure and scale up as your workload grows. InfoSphere CDC can also enhance your investment in other software, such as IBM DataStage® and IBM QualityStage®, IBM InfoSphere Warehouse, and IBM InfoSphere Master Data Management Server, enabling real-time and event-driven processes. Enable the integration of your critical data and make it immediately available as your business needs it.

IBM Technology for Java Virtual Machine in IBM i5/OS

IBM i Program Conversion: Getting Ready for 6.1 and Beyond

Procedures, triggers, and user-defined functions (UDFs) are the key database software features for developing robust and distributed applications. IBM Universal Database™ for i (IBM DB2® for i) supported these features for many years, and they were enhanced in V5R1, V5R2, and V5R3 of IBM® OS/400® and V5R4 of IBM i5/OSTM. This IBM Redbooks® publication includes several of the announced features for procedures, triggers, and UDFs in V5R1, V5R2, V5R3, and V5R4. This book includes suggestions, guidelines, and practical examples to help you effectively develop IBM DB2 for i procedures, triggers, and UDFs. The following topics are covered in this book: External stored procedures and triggers Java procedures (both Java Database Connectivity (JDBC) and Structured Query Language for Java (SQLJ)) External triggers External UDFs This publication also offers examples that were developed in several programming languages, including RPG, COBOL, C, Java, and Visual Basic, by using native and SQL data access interfaces. This book is part of the original IBM Redbooks publication, Stored

Procedures, Triggers, and User-Defined Functions on DB2 Universal Database for iSeries, SG24-6503-02, that covered external procedures, triggers, and functions, and also SQL procedures, triggers, and functions. All of the information that relates to external routines was left in this publication. All of the information that relates to SQL routines was rewritten and updated. This information is in the new IBM Redbooks publication, SQL Procedures, Triggers, and Functions on IBM DB2 for i, SG24-8326. This book is intended for anyone who wants to develop IBM DB2 for i procedures, triggers, and UDFs. Before you read this book, you need to know about relational database technology and the application development environment on the IBM i server.

IBM i 7.1 Technical Overview with Technology Refresh Updates

Who Knew You Could Do That with RPG IV? Modern RPG for the Modern Programmer

This practical guide provides users with everything they need to integrate each AS/400 system into small-, medium- and large-sized business environments. It features coverage of the basics, including hardware, architecture, and storage management and offers helpful tips in choosing and implementing an advanced business system.

TCP/IP Tutorial and Technical Overview

Re-engineering AS/400 Legacy Applications and companion CD ROM provide a tutorial aimed at showing you how to modernize your applications by taking you step by step through the re-engineering of a sample application. Author Paul Tuohy covers conversion of RPG IV programs, as well as re-engineering them to take full advantage of RPG IV and ILE. He also covers triggers, referential integrity, and APIs so that your applications can take advantage of all the new technology that is available today. This book will be a valuable aid as you evaluate your legacy applications and then move into re- engineering.

RPG IV Programming on the AS/400

IBM® delivered IBM i 6.1 in March 2008. With 6.1, IBM exploits the capabilities of the Machine Interface (MI) architecture to significantly improve programs. Programs can benefit from better performance, a range of new operating system and processor capabilities, and even stronger system integrity. To enable these improvements, all MI programs created for previous releases must be converted to run on 6.1 or a later release. MI programs include integrated language environment (ILE) and original program model (OPM) programs. To convert a program, its creation data, which is a subset of observability, must be available. MI programs retain creation data by default, so that most programs can be converted, going all the way back to programs that were originally created for System/38. Even if an option was chosen to remove creation data from external access, Licensed Internal Code (LIC) can still access the creation data if the target releases of the program and its constituent modules are V5R1 or later. Thus a program

lacks sufficient creation data for conversion only if the program or at least one of its modules was created for IBM OS/400® V4R5 or an earlier release and creation data was explicitly removed. You can run the Analyze Object Conversion (ANZOBJCVN) command on V5R4 or V5R3 to help plan for your upgrade. The ANZOBJCVN command identifies programs that will not convert to run on 6.1 or later releases, if any, and estimates the times that are required for the program conversions. It also provides information about two other types of conversions: integrated file system names and spooled files. You can access the ANZOBJCVN command by loading and applying the appropriate PTFs that are listed in this paper. This IBM Redpaper™ publication is intended for system administrators and field technicians to help them understand and prepare for upgrading or migrating to 6.1 or a later release. It explains what the program conversion is and why programs are being created or recreated on 6.1 or a later release. It then provides detailed steps for using the ANZOBJCVN tool on V5R3 or V5R4 to prepare for object conversions. Finally, it discusses the program conversion methods for converting programs to run on 6.1 or a later release. Note: The first edition of this paper was entitled IBM i5/OS Program Conversion: Getting Ready for i5/OS V6R1, REDP-4293-00. The title of this second edition has been slightly modified to IBM i Program Conversion: Getting Ready for 6.1 and Beyond, REDP-4293-01, to reflect the new naming conventions for IBM i.

Open Source Starter Guide for IBM I Developers

This IBM® Redbooks® publication introduces a technical overview of the main new features, functions and enhancements available in IBM i 6.1 (formerly called i5/OS® V6R1). It gives a summary and brief explanation of new capabilities and what has changed in the operating system, and also discusses many of the licensed programs and application development tools associated with IBM i. Many other new and enhanced functions are described, such as virtualization of storage, security, Java™ performance, improved performance with IBM System Storage™ devices, backup and recovery, including base IBM i, Backup, Recovery and Media Services (BRMS). The book introduces the PowerHATM product, IBM Systems Director-based system management and an easier Web enablement. The information provided in this book will be useful for customers, Business Partners, and IBM service professionals involved with planning, supporting, upgrading, and implementing IBM i 6.1 solutions.

Softalk for the IBM Personal Computer

This IBM Redbooks publication gives a broad understanding of a new 32-bit Java Virtual Machine (JVM) in IBM i5/OS. With the arrival of this new JVM, IBM System i platform now comfortably supports Java and WebSphere applications on a wide array of different server models: from entry size boxes to the huge enterprise systems. This book provides in-depth information about setting Java and IBM WebSphere environments with new 32-bit JVM, tuning its performance, and monitoring or troubleshooting its runtime with the new set of tools. Information in this book helps system architects, Java application developers, and system administrators in their work with 32-bit JVM in i5/OS. Important: Despite the fact that this book targets i5/OS implementation, most information in this book applies to all IBM server platforms, where the new 32-bit JVM is supported.

Datamation

This IBM® Redbooks® publication provides a technical overview of the features, functions, and enhancements that are available in IBM i 7.2, including all the available Technology Refresh (TR) levels, from TR1 to TR3. This publication provides a summary and brief explanation of the many capabilities and functions in the operating system. It also describes many of the licensed programs and application development tools that are associated with IBM i. The information that is provided in this book is useful for clients, IBM Business Partners, and IBM service professionals that are involved with planning, supporting, upgrading, and implementing IBM i 7.2 solutions.

Geac System 21

CL Programming for the AS/400

This book is dedicated RPG IV Programming language and the AS/400 environment. The book includes over 60 compiled RPG IV listings documented with a line by line explanation of the instructions and or annotated comments. The author has included over 500 figures and he addresses other important AS/400 software with separate appendices for SEU, PDM, DFU, SDA and interactive debugging. Every chapter includes a summary, review questions, and programming assignments.

Building SOA-based Solutions for IBM System i Platform

Designed to help readers analyze and interpret research data using IBM SPSS, this user-friendly book shows readers how to choose the appropriate statistic based on the design; perform intermediate statistics, including multivariate statistics; interpret output; and write about the results. The book reviews research designs and how to assess the accuracy and reliability of data; how to determine whether data meet the assumptions of statistical tests; how to calculate and interpret effect sizes for intermediate statistics, including odds ratios for logistic analysis; how to compute and interpret post-hoc power; and an overview of basic statistics for those who need a review. Unique chapters on multilevel linear modeling; multivariate analysis of variance (MANOVA); assessing reliability of data; multiple imputation; mediation, moderation, and canonical correlation; and factor analysis are provided. SPSS syntax with output is included for those who prefer this format. The new edition features:

- IBM SPSS version 22; although the book can be used with most older and newer versions
- New discussion of intraclass correlations (Ch. 3)
- Expanded discussion of effect sizes that includes confidence intervals of effect sizes (ch.5)
- New information on part and partial correlations and how they are interpreted and a new discussion on backward elimination, another useful multiple regression method (Ch. 6)
- New chapter on how to use a variable as a mediator or a moderator (ch. 7)
- Revised chapter on multilevel and hierarchical linear modeling (ch. 12)
- A new chapter (ch. 13) on multiple imputation that demonstrates how to deal with missing data
- Updated web resources for instructors including PowerPoint slides and answers to interpretation questions and extra problems and for students, data sets, chapter outlines, and study guides. IBM

SPSS for Intermediate Statistics, Fifth Edition provides helpful teaching tools: • all of the key SPSS windows needed to perform the analyses • outputs with call-out boxes to highlight key points • interpretation sections and questions to help students better understand and interpret the output • extra problems with realistic data sets for practice using intermediate statistics • Appendices on how to get started with SPSS, write research questions, and basic statistics. An ideal supplement for courses in either intermediate/advanced statistics or research methods taught in departments of psychology, education, and other social, behavioral, and health sciences. This book is also appreciated by researchers in these areas looking for a handy reference for SPSS

Who Knew You Could Do That With Rpg Iv? a Sorcerer's Guide to System Access and More

External Procedures, Triggers, and User-Defined Functions on IBM DB2 for i

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

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