

CICS® Transaction Server for z/OS™



CICS Application Programming Guide

Version 2 Release 1

Cics Application Programming Guide

Lingsheng Yao



Cics Application Programming Guide:

CICS/ESA Application Programming Guide International Business Machines Corporation,1992 **VS COBOL II Application Programming Guide** ,1986 **Designing and Programming CICS Applications** John Horswill,Members of the CICS Development Team at IBM Hursley,2000-07-31 Designing and Programming CICS Applications targets a diverse audience It introduces new users of IBM s mainframe OS 390 to CICS features It shows experienced users how to integrate existing mainframe systems with newer technologies including the Web CORBA Java CICS clients and Visual Basic as well as how to link MQSeries and CICS Users learn not only how to design and write their programs but also how to deploy their applications Introduction to the New Mainframe: IBM z/VSE Basics Mike Ebbers,Wolfgang Bosch,Hans Joachim Ebert,Helmut Hellner,Jerry Johnston,Marco Kroll,Wilhelm Mild,Wayne O'Brien,Bill Ogden,Ingolf Salm,Joerg Schmidbauer,Martin Walbruehl,IBM Redbooks,2016-03-02 This IBM Redbooks publication is based on the book Introduction to the New Mainframe z OS Basics SG24 6366 which was produced by the International Technical Support Organization ITSO Poughkeepsie Center It provides students of information systems technology with the background knowledge and skills necessary to begin using the basic facilities of a mainframe computer For optimal learning students are assumed to have successfully completed an introductory course in computer system concepts such as computer organization and architecture operating systems data management or data communications They should also have successfully completed courses in one or more programming languages and be PC literate This textbook can also be used as a prerequisite for courses in advanced topics or for internships and special studies It is not intended to be a complete text covering all aspects of mainframe operation It is also not a reference book that discusses every feature and option of the mainframe facilities Others who can benefit from this course include experienced data processing professionals who have worked with non mainframe platforms or who are familiar with some aspects of the mainframe but want to become knowledgeable with other facilities and benefits of the mainframe environment As we go through this course we suggest that the instructor alternate between text lecture discussions and hands on exercises Many of the exercises are cumulative and are designed to show the student how to design and implement the topic presented The instructor led discussions and hands on exercises are an integral part of the course and can include topics not covered in this textbook In this course we use simplified examples and focus mainly on basic system functions Hands on exercises are provided throughout the course to help students explore the mainframe style of computing At the end of this course you will be familiar with the following information Basic concepts of the mainframe including its usage and architecture Fundamentals of IBM z VSE VSE an IBM zTM Systems entry mainframe operating system OS An understanding of mainframe workloads and the major middleware applications in use on mainframes today The basis for subsequent course work in more advanced specialized areas of z VSE such as system administration or application programming DB2 Universal Database for OS/390 V7.1 Application Certification Guide Susan Lawson,2002 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™ COBOL C/C++ REXX CAF CICS and RRSAB 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 **CICS Command Level Programming** Alida Jatich, 1991-05-28 This Second Edition includes all relevant information regarding IBM's latest major update releases of CICS Using a step by step tutorial it shows how to develop and maintain CICS code for maximum system effectiveness Coverage includes all commands support functions and VS COBOL II detailed information on using the first microcomputer OS/2 version of CICS and table setup and system utilities for applications programmers developing software on personal computers By providing a wealth of real world examples teaches readers a practical streamlined approach to problem solving using the latest CICS coding techniques *System z Parallel Sysplex Best Practices* Frank

Kyne, Bert de Beer, Luis Martinez, Harriet Morril, Miha Petric, David Viguers, Suzi Wendler, IBM Redbooks, 2011-01-11 This IBM Redbooks publication pulls together diverse information regarding the best way to design implement and manage a Parallel Sysplex to deliver the levels of performance and availability required by your organization This book should be of interest to system programmers availability managers and database administrators who are interested in verifying that your systems conform to IBM best practices for a Parallel Sysplex environment In addition to z OS and the sysplex hardware configuration this book also covers the major IBM subsystems CICS DB2 IMSTM MQ WebSphere Application Server To get the best value from this book readers should have hands on experience with Parallel Sysplex and have working knowledge of how your systems are set up and why they were set up in that manner

CICS Application Design Bob Crownhart, 1995 The only CICS book that covers all IBM platforms including the newly announced CICS 6000 and CICS for OS 400 Crownhart explains how to exploit CICS facilities make informed and effective choices when designing real world applications and utilize client server functionality within a CICS application He also covers distributed and cooperative processing

CICS/ESA Application Programming Reference International Business Machines Corporation, 1992

Streamline Business with Consolidation and Conversion to DB2 for z/OS Paolo Bruni, Marcos Caurim, Elise Gotay, Susan Lawson, Glenn McGeoch, Rebecca Poole, IBM Redbooks, 2014-11-05 Time to market flexibility and cost reduction are among the top concerns common to all IT executives If significant resource investments are placed in mature systems IT organizations need to balance old and new technology Older technology such as non IBM pre relational databases is costly inflexible and non standard Users store their information on the mainframe and thus preserve the skills and qualities of service their business needs But users also benefit from standards based modernization by migrating to IBM DB2 for z OS With this migration users deliver new application features quickly and respond to changing business requirements more effectively When migrating the main decision is choosing between conversion and re engineering Although the rewards associated with rebuilding mature applications are high so are the risks and customers that are embarking on a migration need that migration done quickly In this IBM Redbooks publication we examine how to best approach the migration process by evaluating the environment assessing the application as a conversion candidate and identifying suitable tools This publication is intended for IT decision makers and database administrators who are considering migrating their information to a modern database management system

CICS Essentials Joseph J. Le Bert, 1993 This manual covers the new release of CICS ESA Version 3 and explains CICS interfaces and data access with DB2 SQL Datacom DB and IMS DLI

CICS/VS Application Programming: Study guide International Business Machines Corporation. Data Processing Division, 1979

Catalog of Copyright Entries. Third Series Library of Congress. Copyright Office, 1974

MVS/VSAM for the Application Programmer Gary DeWard Brown, 1993 Brown and Smith bring your knowledge of VSAM up to date This manual covers all of the many recent changes to VSAM The detailed clear explanations provide the background you need to understand VSAM Lots of examples reinforce

the text and provide prototypes to help you understand quickly how to code needed functions **Cross System Product Application Development** John King,1993 King shows you how to use CSP to bring your applications to life faster and easier than ever Clear practical examples illustrate CSP in TSO CICS and DB2 environments The many advanced tips and techniques examples and exercises help you increase your understanding and proficiency **WebSphere Solution Bundles** Rufus Credle,2002

VSE COBOL II Power Programmer's Desk Reference David Shelby Kirk,1991

REXX--tools and Techniques Barry K. Nirmal,1993 Nirmal gives programmers dozens of ready to use REXX execs in the valuable problem solver Complete step by step installation procedures make them easy to install and use Detailed explanations illustrate tools techniques and tips for writing programs and execs for solving on the job problems **OS/2**

Presentation Manager Programming for COBOL Programmers Robert Blair Chapman,1992

Network Programming Under VMS/DECNet Phase IV and V Edward B. Toupin,1993 This valuable book guides programmers through the morass of low level network programming using the VAX C programming language It consolidates the information available on DECNet IEEE 802 device into one easy to read and access volume Dozens of detailed examples help in understanding general concepts and operations

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Table of Contents Cics Application Programming Guide

1. Understanding the eBook Cics Application Programming Guide
 - The Rise of Digital Reading Cics Application Programming Guide
 - Advantages of eBooks Over Traditional Books
2. Identifying Cics Application Programming Guide
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Cics Application Programming Guide
 - User-Friendly Interface
4. Exploring eBook Recommendations from Cics Application Programming Guide
 - Personalized Recommendations
 - Cics Application Programming Guide User Reviews and Ratings
 - Cics Application Programming Guide and Bestseller Lists
5. Accessing Cics Application Programming Guide Free and Paid eBooks
 - Cics Application Programming Guide Public Domain eBooks

- Cics Application Programming Guide eBook Subscription Services
- Cics Application Programming Guide Budget-Friendly Options
- 6. Navigating Cics Application Programming Guide eBook Formats
 - ePub, PDF, MOBI, and More
 - Cics Application Programming Guide Compatibility with Devices
 - Cics Application Programming Guide Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Cics Application Programming Guide
 - Highlighting and Note-Taking Cics Application Programming Guide
 - Interactive Elements Cics Application Programming Guide
- 8. Staying Engaged with Cics Application Programming Guide
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Cics Application Programming Guide
- 9. Balancing eBooks and Physical Books Cics Application Programming Guide
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Cics Application Programming Guide
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Cics Application Programming Guide
 - Setting Reading Goals Cics Application Programming Guide
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Cics Application Programming Guide
 - Fact-Checking eBook Content of Cics Application Programming Guide
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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