

## Cics Resource Definition Guide

*Beginning with IBM® CICS® Version 2, applications can run on TCBs apart from the QR TCB, which has positive implications for improving system throughput and for implementing new technologies inside of CICS. Examples of implementing new technologies include using the IBM MVSTM Java virtual machine (JVM) inside CICS and enabling listener tasks written for other platforms to be imported to run under CICS. The newest release, CICS Transaction Server for z/OS® (CICS TS) V4.2, includes scalability enhancements so that you can perform more work more quickly in a single CICS system. The advantage of this enhancement is that you can increase vertical scaling and decrease the need to scale horizontally, reducing the number of regions that are required to run the production business applications. The scalability enhancements in CICS TS V4.2 fall into two broad areas, which are increased usage of open transaction environment (OTE) and of 64-bit storage. This IBM Redbooks® publication is a comprehensive guide to threadsafe concepts and implementation for IBM CICS. This book explains how systems programmers, applications developers, and architects can implement threadsafe applications in an environment. It describes the real-world experiences of users, and our own experiences, of migrating applications to be threadsafe. This book also highlights the two most critical aspects of threadsafe applications: system performance and integrity.*

*\* Text for courses in CICS, On-Line Programming, Command Level Programming; could also be used as suppl in Adv COBOL, if it has on-line emphasis. IBM Mainframe Computer Required.\* Hands-on, step-by-step tutorial presentation of CICS..\* Develops a subset of CICS that embodies all the common characteristics of the most popular CICS product; closest thing available to an official standard in any book..*

*A concise guide to designing, allocating and fine tuning VSAM files that stresses practical applications along with enough theory to ensure that readers understand the step-by-step examples.*

*CMG '93 Proceedings*

*CMG99 Proceedings*

*CICS Transaction Server from Start to Finish*

*A Guide to Performance Tuning*

*Customer Information Control System/virtual Storage (CICS/VS)*

*CMG ... Proceedings*

*This unqie reference contains an indexed and topical grouping of CICS issues, questions and answers for CICS programmers who need guidance through many difficult areas, allowing the book to be referenced by application rather than the structure of CICS itself. Programmers will be able to research their own problems quickly and access information on deleted/unsupported CICS functions.*

*This work covers the structure, components, and implementation of LU6.2 to connect mainframes, mid-range, and microcomputers, and details CICS and CICS/VS interfaces, SAA, and SNA. A must read for all network and communication specialists.*

*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 RRSAF \* 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 static 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*

*Understanding CICS Internals*

*CICS Using COBOL*

*DB2 Developer's Guide*

*Introduction to LU6.2*

*Tuning and Advanced Topics*

*The 19th International Conference for the Management and Performance Evaluation of Enterprise Computing Systems, San Diego, California, December 5-10, 1993*

The importance of modern computer networks is steadily growing as increasing amounts of data are exchanged over company intranets and the Internet. Understanding current networking technologies and communication protocols that are available for the IBM® mainframe and System z® operating systems is essential for setting up your network infrastructure with IBM z/VSE®. This IBM Redbooks® publication helps you install, tailor, and configure new networking options for z/VSE that are available with TCP/IP for VSE/ESA, IPV6/VSE, and Fast Path to Linux on System z (Linux Fast Path). We put a strong focus on network security and describe how the new OpenSSL-based SSL runtime component can be used to enhance the security of your business. This IBM Redbooks publication extends the information that is provided in Security on IBM z/VSE, SG24-7691.

This IBM® Redbooks® publication focuses on developing Web service applications in IBM CICS®. It takes the broad view of developing and modernizing CICS applications for XML, Web services, SOAP, and SOA support, and lays out a reference architecture for developing these kinds of applications. We start by discussing Web services in general, then review how CICS implements Web services. We offer an overview of different development approaches: bottom-up, top-down, and meet-in-the-middle. We then look at how you would go about exposing a CICS application as a Web service provider, again looking at the different approaches. The book then steps through the process of creating a CICS Web service requester. We follow this by looking at CICS application aggregation (including 3270 applications) with IBM Rational® Application Developer for IBM System z® and how to implement CICS Web Services using CICS Cloud technology. The first part is concluded with hints and tips to help you when implementing this technology. Part two of this publication provides performance figures for a basic Web service. We investigate some common variables and examine their effects on the performance of CICS as both a requester and provider of Web services.

Customer Information Control System/virtual Storage (CICS/VS)Version 1 Re1ease 6 : Resource Definition GuideDB2 Universal Database for OS/390 V7.1 Application Certification GuidePrentice Hall Professional

Integrating Existing Mainframe Applications with New Technologies

System z Parallel Sysplex Best Practices

Event Processing with CICS

Version 1 Re1ease 6 : Resource Definition Guide

Architect's Guide to IBM CICS on System z

CICS Handbook

This unique book is designed to complement existing CICS manuals. Focusing on programming applications rather than theory, this highly technical book is the first of its kind to cover front-end programming interface (FEPI) in detail. Written by a FEPI developer, this guide includes abundant code fragments and design tips to help readers apply what they have learned.

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 z/TM 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

NOTE: This book contains information about technologies that have been superseded and it is retained for historical purposes only. IBM CICS Transaction Server (CICS TS) has supported the deployment of Java applications since the 1990's. In CICS TS V1.3 (1999), IBM introduced the 'Pooled JVM' style of JVM infrastructure within CICS TS. This infrastructure was designed to be similar in nature to that which a CICS application developer for a language such as COBOL would be used to. It brought the benefits of the new Java language to CICS TS, without a dramatic change to the way CICS users thought of core concepts such as re-entrancy and isolation. As enterprise usage of Java evolved it began to make more and more use of multi-threaded environments where isolation was not a desired characteristic. Additionally, technologies such as OSGi (Open Service Gateway Initiative) evolved to overcome some of the original disadvantages of applying Java to an enterprise environment. As such, the limitations of the 'Pooled JVM' approach began to outweigh the benefits. In CICS TS V4.1 (2009), IBM introduced the new 'JVM server' infrastructure in CICS TS as a replacement to the 'Pooled JVM' approach. This 'JVM server' infrastructure provides a much more standard Java environment that makes the writing and porting of Java applications for CICS TS much simpler. In CICS TS V5.1 (2012), support for the old 'Pooled JVM' infrastructure was removed. While there is a relatively simple migration path from 'Pooled JVM' to 'JVM server', applications should no longer be written to the 'Pooled JVM' infrastructure. There are a number of more recent IBM Redbooks publications covering the replacement 'JVM server' technology, including: IBM CICS and the JVM server: Developing and Deploying Java Applications, SG24-8038 A Software Architect's guide to New Java Workloads in IBM CICS Transaction Server, SG24-8225

APPC

The 25th International Conference for the Resource Management & Performance Evaluation of Enterprise Computing Systems, December 5-11, 1999, Reno, Nevada

IBM CICS Explorer

Improving z/OS Application Availability by Managing Planned Outages

CICS, a Programmer's Reference

ARCHIVED: Pooled JVM in CICS Transaction Server

**This IBM® Redbooks® publication provides information about the new Java virtual machine (JVM) server technology in IBM CICS® Transaction Server for z/OS® V4.2. We begin by outlining the many advantages of its multi-threaded operation over the pooled JVM function of earlier releases. The Open Services Gateway initiative (OSGI) is described and we highlight the benefits OSGI brings to both development and deployment. Details are then provided about how to configure and use the new JVM server environment. Examples are included of the deployment process, which takes a Java application from the workstation Eclipse integrated development environment (IDE) with the IBM CICS Explorer® software development kit (SDK) plug-in, through the various stages up to execution in a stand-alone CICS region and an IBM CICSplex® environment. The book continues with a comparison between traditional CICS programming, and CICS programming from Java. As a result, the main functional areas of the Java class library for CICS (JCICS) application programming interface (API) are extensively reviewed. Further chapters are provided to demonstrate interaction with structured data such as copybooks, and how to access relational databases by using Java Database Connectivity (JDBC) and Structured Query Language for Java (SQLJ). Finally, we devote a chapter to the migration of applications from the pooled JVM model to the new JVM server run time.**

**With this practical reference and guide COBOL programmers and systems and applications programmers operating in a mainframe environment now have a powerful new tool for working with CICS internals. Covers the latest releases of CICS, CICS/MVS for MVS/XA, and CICS/ESA for MVS/ESA.**

**This IBM® Redpaper Redbooks® publication introduces the IBM System z® New Application License Charges (zNALC) pricing structure and provides examples of zNALC workload scenarios. It describes the products that can be run on a zNALC logical partition (LPAR), reasons to consider such an implementation, and covers the following topics: Using the IBM WebSphere Application Server Liberty profile to host applications within an IBM CICS® environment and how it interacts with CICS applications and resources Security technologies available to applications that are hosted within a WebSphere Application Server Liberty profile in CICS How to implement modern presentation in CICS with a CICS Liberty Java virtual machine (JVM) server How to share scenarios to develop Liberty JVM applications to gain benefits from IBM CICS Transaction Server for IBM z/OS® Value Unit Edition Considerations when using mobile devices to interact with CICS applications and explains specific CICS technologies for connecting mobile devices by using the z/OS Value Unit Edition How IBM Operational Decision Manager for z/OS runs in the transaction server to provide decision management services for CICS COBOL and PL/I applications Installing the CICS Transaction Server for z/OS (CICS TS) Feature Pack for Modern Batch to enable the IBM WebSphere® batch environment to schedule and manage batch applications in CICS This book also covers what is commonly referred to as plain old Java objects (POJOs). The Java virtual machine (JVM) server is a full-fledged JVM that includes support for Open Service Gateway initiative (OSGI) bundles. It can be used to host open source Java frameworks and does just about anything you want to do with Java on the mainframe. POJO applications can also qualify for deployment using the Value Unit Edition. Read about how to configure and deploy them in this companion Redbooks publication: IBM CICS and the JVM server: Developing and Deploying Java Applications, SG24-8038 Examples of POJOs are terminal-initiated transactions, CICS web support, web services, requests received via IP CICS sockets, and messages coming in via IBM WebSphere MQ messaging software.**

**Query Management Facility**

**Introduction to the New Mainframe: IBM z/VSE Basics**

**Proceedings of Share**

**Client-server Architecture**

**Sybase Technical Publications: Open server for CICS COBOL programmer's reference**

**Designing and Programming CICS Applications**

Describes in detail the much discussed but little understood client-server model--its architecture, components, benefits, and functions--as well as existing products and industry trends and standards. It's filled with practical examples and recommendations and emphasizes open systems and standards.

The IBM® CICS® Transaction Server for z/VSE® (CICS TS for z/VSE) 2.1 provides functions to improve application programming, system programming, system management, and data security and availability. With CICS TS for z/VSE 2.1, you can use the extended functionality of Basic Security Manager. CICS TS for z/VSE 2.1 can be administrated by the IBM CICS Explorer® function on a workstation, which allows CICS management in a convenient way. This IBM Redbooks® publication provides information to help you install, tailor, and configure the CICS TS for z/VSE 2.1 product. The book is intended for IBM z/VSE customers and IBM technical personnel who are responsible for planning and migrating to IBM z/VSE 6.1 and CICS TS for z/VSE 2.1. The book also provides information to help you understand the affect of migrating to CICS TS for z/VSE 2.1. It provides detailed guidance and samples for installing and configuring CICS TS for z/VSE 2.1. Also included in the book is a description of the CICS TS for z/VSE 2.1 features and capabilities and the affect of removing obsolete functions. The book also covers security and performance issues and provides samples for first level problem determination through the use of memory dumps or the use of trace tools.

In this IBM® Redbooks® publication, you will gain an appreciation of the IBM CICS® Transaction Gateway (CICS TG) product suite, based on key criteria, such as capabilities, scalability, platform, CICS server support, application language support, and licensing model. Matching the requirements to available infrastructure and hardware choices requires an appreciation of the choices available. In this book, you will gain an understanding of those choices, and will be capable of choosing the appropriate CICS connection protocol, APIs for the applications, and security options. You will understand the services available to the application developer when using a chosen protocol. You will then learn about how to implement CICS TG solutions, taking advantage of the latest capabilities, such as IPIC connectivity, high availability, and Dynamic Server Selection. Specific scenarios illustrate the usage of CICS TG for IBM z/OS®, and CICS TG for Multiplatforms, with CICS Transaction Server for z/OS and IBM WebSphere® Application Server, including connections in CICS, configuring simple end-to-end connectivity (all platforms) with verification for remote and local mode applications, and adding security, XA support, and high availability.

CICS

Application Development for IBM CICS Web Services

Migration to CICS Transaction Server for z/VSE V2.1

Distributed Processing in the CICS Environment

DB2 Universal Database for OS/390 Version 7.1 Certification Guide

A Software Architect's Guide to New Java Workloads in IBM CICS Transaction Server

CICS is an application server that delivers industrial-strength, online transaction management for critical enterprise applications. Proven in the market for over 30 years with many of the world's leading businesses, CICS enables today's customers to modernize and extend their applications to take advantage of the opportunities provided by e-business while maximizing the benefits of their existing investments. Designing and Programming CICS Applications will benefit 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. Each part of Designing and Programming CICS Applications addresses the design requirements for specific components and gives a step-by-step approach to developing a simple application. The book reviews the basic concepts of a business application and the way CICS meets these requirements. It then covers a wide range of application development technologies, including VisualAge for Java, WebSphere Studio, and Visual Basic. Users learn not only how to design and write their programs but also how to deploy their applications. Designing and Programming CICS Applications shows how to: Develop and modify existing COBOL applications Become familiar with the CICS Java environment and write a simple Java wrapper for a COBOL application Develop a web front end using servlets, JSP and JavaBeans. Link the web front end to an existing COBOL application using CORBA Write a Visual Basic application to develop a customer GUI Link an existing COBOL application using a CICS Client ECI call Develop a Java application using Swing as an MQSeries Client Use the MQSeries-CICS bridge to access an existing COBOL application Whether for working with thousands of terminals or for a client/server environment with workstations and LANs exploiting modern technology such as graphical interfaces or multimedia, Designing and Programming CICS Applications delivers the power to create, modernize and extend CICS applications.

IBM® CICS® Transaction Server (CICS TS) has been available in various guises for over 40 years, and continues to be one of the most widely used pieces of commercial software. This IBM Redbooks® publication helps application architects discover the value of CICS Transaction Server to their business. This book can help architects understand the value and capabilities of CICS Transaction Server and the CICS tools portfolio. The book also provides detailed guidance on the leading practices for designing and integrating CICS applications within an enterprise, and the patterns and techniques you can use to create CICS systems that provide the qualities of service that your business requires.

In the 640-page book, the author covers every major concept in CICS and illustrates it with usable programs or subroutines. It is the most complete reference available to programmers and application programmers for day to day use.

A Solutions-Oriented Approach to Learning the Foundation and Capabilities of DB2 for Z/OS

A Guide to MRO/ISC

The CICS Programmer's Guide to FEPI

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

A Structured Approach

VSAM

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 RRSAF 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

This completely refreshed IBM Redbooks® publication provides a detailed introduction to the latest capabilities for business event processing with IBM® CICS® V5. Events make it possible to identify and react to situations as they occur, and an event-driven approach, where changes are detected as they happen, can enable an application or an Enterprise to respond in a much more timely fashion. CICS event processing support was first introduced in CICS TS V4.1, and this IBM Redbooks® publication now covers all the significant enhancements and extensions which have been made since then. CICS Transaction Server for z/OS provides capabilities for capturing application events, which can give insight into the business activities carried out within CICS applications, and system events, which give insight into changes in state within the CICS system. Application events can be generated from existing applications, without requiring any application changes. Simple tooling allows both application and system events to be defined and deployed into CICS without disruption to the system, and the resulting events can be made available to a variety of event consumers. CICS events can amongst other things be used to drive processing within CICS, to populate dashboards that are provided by IBM Business Monitor and to search for patterns in events using IBM Operational Decision Manager. This IBM Redbooks® publication is divided into the following parts: Part 1 introduces event processing. We explain what it is and why you need it, and discuss how CICS makes it easy to both capture and emit events. Part 2 of the book focuses on the details of event processing with CICS. It gives a step-by-step guide to implementing CICS events, along with the environment used in the examples. Part 3 provides some guidance on governance and troubleshooting for CICS events, and describes how to integrate CICS events with IBM Operational Decision Manager and IBM Business Monitor. The Appendices include additional reference information. 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.

Application Development Guide

DB2

IBM CICS and the JVM server: Developing and Deploying Java Applications

Enhanced Networking on IBM z/VSE

Streamline Business with Consolidation and Conversion to DB2 for z/OS

NOTISEs

**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.**

**In this IBM® Redbooks® publication, we discuss CICS®, which stands for Customer Information Control System. It is a general-purpose transaction processing subsystem for the z/OS® operating system. CICS provides services for running an application online where, users submit requests to run applications simultaneously. CICS manages sharing resources, the integrity of data, and prioritizes execution with fast response. CICS authorizes users, allocates resources (real storage and cycles), and passes on database requests by the application to the appropriate database manager, such as DB2®. We review the history of CICS and why it was created. We review the CICS architecture and discuss how to create an application in CICS. CICS provides a secure, transactional environment for applications that are written in several languages. We discuss the CICS-supported languages and each language's advantages in this Redbooks publication. We analyze situations from a system programmer's viewpoint, including how the systems programmer can use CICS facilities and services to customize the system, design CICS for recovery, and manage performance. CICS Data access and where the data is stored, including Temporary storage queues, VSAM RLS, DB2, IMSTM, and many others are also discussed.**

**IBM® Customer Information Control System (CICS®) Explorer is the new face of CICS Integration point for CICS tooling with rich CICS views, data, and methods. Are you looking for new ways to accelerate the transfer of knowledge, skills, and best practices to the next generation of technical staff and experts? Do you need to maintain productivity and protect service-levels? CICS Explorer™ and System z® lead the way to platform simplification. IBM CICS Explorer has a common, intuitive, Eclipse-based environment for architects, developers, administrators, system programmers, and operators. The task-oriented views provide integrated access to a broad range of data and control capabilities, and it also has powerful, context-sensitive resource editors. Integration point for CICS TS, CICS Tools, CICS TG, PD Tools, and Rational® Tools are extensible by independent software vendors (ISV), system integrators (SI), and customers who use our Software Development Kit. In this IBM Redbooks® publication, we focus on the new CICS Explorer. The first part of the book is an overview of the CICS Explorer along with all of the CICS Tools' plug-ins. In the second part of the book, we focus on several scenarios in which you can use the CICS Explorer with the CICS Tools plug-ins to resolve various problems.**

Diagnostic guide

The Complete Guide to CICS Transaction Gateway Volume 1 Configuration and Administration

Threadsafe Considerations for CICS

This handbook is for systems programmers tasked with maintaining high performance while adding more terminals, programs, transactions and files. Topics include introduction to CICS performance tuning, operation system tuning, network considerations in a CICS environment, guidelines to VSAM optimization and design, and customizing CICS tables.

PLEASE PROVIDE COURSE INFORMATION PLEASE PROVIDE

This IBM® Redbooks® publication is intended to make System Programmers, Operators, and Availability Managers aware of the enhancements to recent releases of IBM z/OS® and its major subsystems in the area of planned outage avoidance. It is a follow-on to, rather than a replacement for, z/OS Planned Outage Avoidance Checklist, SG24-7328. Its primary objective is to bring together in one place information that is already available, but widely dispersed. It also presents a different perspective on planned outage avoidance. Most businesses care about application availability rather than the availability of a specific system. Also, a planned outage is not necessarily a bad thing, if it does not affect application availability. In fact, running for too long without an IPL or subsystem restart might have a negative impact on application availability because it impacts your ability to apply preventive service. Therefore, this book places more focus on decoupling the ability to make changes and updates to your system from IPLing or restarting your systems.