

Architect's Guide to IBM CICS on System z

Discover the value to your business of
CICS on System z

Understand how to design and
develop CICS applications

Explore the qualities of
service CICS can provide



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Architects Guide To Ibm Cics On System Z

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Architects Guide To Ibm Cics On System Z:

Architect's Guide to IBM CICS on System z Phil Wakelin,Ahmed Farrag,Steve Hobson,Manuel Jaen,Tommy Joergensen,Thiago Rotta,IBM Redbooks,2012-11-20 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 **Architect's Guide to IBM CICS on System Z** ,2012 *A Software Architect's Guide to New Java Workloads in IBM CICS Transaction Server* Rufus Credle,George Burgess,Paul Cooper,Mark Hiscock,Mark Hollands,Mitch Johnson,Subhajit Maitra,Geoffrey Pirie,Bai Chun Zhou,IBM Redbooks,2015-01-21 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 *Introduction to the New Mainframe: IBM z/VSE Basics* Mike Ebberts,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

IBM z13 Technical Guide

Octavian Lascu, Edzard Hoogerbrug, Cecilia A De Leon, Ewerson Palacio, Franco Pinto, Barbara Sannerud, Martin Soellig, John Troy, Jin Yang, IBM Redbooks, 2016-11-11

Digital business has been driving the transformation of underlying IT infrastructure to be more efficient, secure, adaptive, and integrated. Information Technology (IT) must be able to handle the explosive growth of mobile clients and employees. IT also must be able to use enormous amounts of data to provide deep and real-time insights to help achieve the greatest business impact. This IBM Redbooks publication addresses the IBM Mainframe, the IBM z13™. The IBM z13 is the trusted enterprise platform for integrating data, transactions, and insight. A data-centric infrastructure must always be available with a 99.999% or better availability, have flawless data integrity, and be secured from misuse. It needs to be an integrated infrastructure that can support new applications. It needs to have integrated capabilities that can provide new mobile capabilities with real-time analytics delivered by a secure cloud infrastructure. IBM z13 is designed with

improved scalability performance security resiliency availability and virtualization The superscalar design allows the z13 to deliver a record level of capacity over the prior IBM z Systems™ In its maximum configuration z13 is powered by up to 141 client characterizable microprocessors cores running at 5 GHz This configuration can run more than 110 000 millions of instructions per second MIPS and up to 10 TB of client memory The IBM z13 Model NE1 is estimated to provide up to 40% more total system capacity than the IBM zEnterprise EC12 zEC1 Model HA1 This book provides information about the IBM z13 and its functions features and associated software support Greater detail is offered in areas relevant to technical planning It is intended for systems engineers consultants planners and anyone who wants to understand the IBM z Systems functions and plan for their usage It is not intended as an introduction to mainframes Readers are expected to be generally familiar with existing IBM z Systems technology and terminology

The Architecture of Computer Hardware, Systems Software, and Networking Irv Englander, Wilson Wong, 2021-04-06 The Architecture of Computer Hardware Systems Software and Networking is designed help students majoring in information technology IT and information systems IS understand the structure and operation of computers and computer based devices Requiring only basic computer skills this accessible textbook introduces the basic principles of system architecture and explores current technological practices and trends using clear easy to understand language Throughout the text numerous relatable examples subject specific illustrations and in depth case studies reinforce key learning points and show students how important concepts are applied in the real world This fully updated sixth edition features a wealth of new and revised content that reflects today s technological landscape Organized into five parts the book first explains the role of the computer in information systems and provides an overview of its components Subsequent sections discuss the representation of data in the computer hardware architecture and operational concepts the basics of computer networking system software and operating systems and various interconnected systems and components Students are introduced to the material using ideas already familiar to them allowing them to gradually build upon what they have learned without being overwhelmed and develop a deeper knowledge of computer architecture

The Handbook of Banking Technology Tim Walker, Lucian Morris, 2021-02-24 Competitive advantage in banking comes from effective use of technology The Handbook of Banking Technology provides a blueprint for the future of banking with deep insight into the technologies at the heart of the industry The rapid evolution of IT brings continual change and demand for investment yet keeping pace with these changes has become an essential part of doing business This book describes how banks can harness the power of current and upcoming technology to add business value and gain a competitive advantage you ll learn how banks are using technology to drive business today and which emerging trends are likely to drive the evolution of banking over the next decade Regulation is playing an ever increasing role in banking and the impact of regulatory change on technology and the management of it are discussed while mandatory changes put pressure on many of our high street banking brands their ability to adapt and utilise technology will have a

fundamental impact on their success in the rapidly changing marketplace Technology costs can amount to 15 per cent or more of operational costs and bank leaders need to be able to make informed decisions about technology investments in light of the potential benefits This book explores the depth and breadth of banking technology to help decision makers stay up to date and drive better business Assess your current technology against the new banking paradigms Procure the systems needed to protect the bottom line Implement newer technology more efficiently and effectively Ensure compliance and drive value with appropriate technology management Technological change is driven by mass adoption of new channels innovation from new entrants and by banks themselves as a means of increasing revenue and reducing costs The Handbook of Banking Technology offers a comprehensive look at the role of technology in banking and the impact it will have in the coming years

Cloud Enabling IBM CICS Rufus Credle, Isabel Arnold, Andrew Bates, Michael Baylis, Pradeep Gohil, Christopher Hodgins, Daniel Millwood, Ian J Mitchell, Catherine Moxey, Geoffrey Pirie, Inderpal Singh, Stewart Smith, Matthew Webster, IBM Redbooks, 2014-12-09 This IBM Redbooks publication takes an existing IBM 3270 COBOL VSAM application and describes how to use the features of IBM Customer Information Control System CICS Transaction Server CICS TS cloud enablement Working with the General Insurance Application GENAPP as an example this book describes the steps needed to monitor both platform and application health using the CICS Explorer CICS Cloud perspective It also shows you how to apply threshold policy and measure resource usage all without source code changes to the original application In addition this book describes how to use multi versioning to safely and reliably apply and back out application changes This Redbooks publication includes instructions about the following topics How to create a CICS TS platform to manage and reflect the health of a set of CICS TS regions and the services that they provide to applications How to quickly get value from CICS TS applications by creating and deploying a CICS TS application for an existing user application How to protect your CICS TS platform from erroneous applications by using threshold policies How to deploy and run multiple versions of the same CICS TS application on the same CICS TS platform at the same time enabling a safer migration from one application version to another with no downtime How to measure application resource usage enabling a comparison of the performance of different application versions and chargeback based on application use This book describes how CICS TS cloud enablement uses existing operational facilities including monitoring events transaction tracking CICS TS bundles and IBM CICSplex System Manager CICSplex SM to integrate with existing deployment and management processes **IBM zEnterprise EC12**

Technical Guide Octavian Lascu, Ivan Dobos, Wolfgang Fries, Hua Bin Chu, Luiz Fadel, Martijn Raave, Fernando Nogal, Frank Packheiser, Vicente Ranieri, Ewerson Palacio, Andre Spahni, Chen Zhu, Parwez Hamid, IBM Redbooks, 2015-03-04 The popularity of the Internet and the affordability of IT hardware and software have resulted in an explosion of applications architectures and platforms Workloads have changed Many applications including mission critical ones are deployed on various platforms and the IBM System z design has adapted to this change It takes into account a wide range of factors

including compatibility and investment protection to match the IT requirements of an enterprise This IBM Redbooks publication addresses the new IBM zEnterprise System This system consists of the IBM zEnterprise EC12 zEC12 an updated IBM zEnterprise Unified Resource Manager and the IBM zEnterprise BladeCenter Extension zBX Model 003 The zEC12 is designed with improved scalability performance security resiliency availability and virtualization The superscalar design allows the zEC12 to deliver a record level of capacity over the prior System z servers It is powered by 120 of the world's most powerful microprocessors These microprocessors run at 5.5 GHz and are capable of running more than 75 000 millions of instructions per second MIPS The zEC12 Model HA1 is estimated to provide up to 50% more total system capacity than the IBM zEnterprise 196 z196 Model M80 The zBX Model 003 infrastructure works with the zEC12 to enhance System z virtualization and management It does so through an integrated hardware platform that spans mainframe IBM POWER7 and IBM System x technologies Through the Unified Resource Manager the zEnterprise System is managed as a single pool of resources integrating system and workload management across the environment This book provides information about the zEnterprise System and its functions features and associated software support Greater detail is offered in areas relevant to technical planning It is intended for systems engineers consultants planners and anyone who wants to understand the zEnterprise System functions and plan for their usage It is not intended as an introduction to mainframes Readers are expected to be generally familiar with existing IBM System z technology and terminology

OSA-Express Implementation Guide Mike Ebbers, Wonjin Chung, Dody Kurniadi, Joselito Manoto, IBM Redbooks, 2014-06-04 This IBM Redbooks publication will help you to install tailor and configure the Open Systems Adapter OSA features that are available on IBM zEnterprise servers It focuses on the hardware installation and the software definitions that are necessary to provide connectivity to LAN environments This information will help you with planning and system setup This book also includes helpful utilities and commands for monitoring and managing the OSA features This information will be helpful to systems engineers network administrators and system programmers who plan for and install OSA features The reader is expected to have a good understanding of IBM System z hardware Hardware Configuration Definition HCD or the input/output configuration program IOCP Open Systems Adapter Support Facility OSA SF Systems Network Architecture Advanced Peer-to-Peer Networking SNA APPN and TCP/IP protocol

ISV IBM zPDT Guide and Reference Bill Ogden, IBM Redbooks, 2022-12-13 This IBM Redbooks publication provides both introductory information and technical details for ISV IBM Z Program Development Tool IBM zPDT which produces a small IBM zSystems environment that is suitable for application development ISV zPDT is a personal computer PC Linux application When ISV zPDT is installed on Linux normal IBM zSystems operating systems such as IBM z/OS may be run on it ISV zPDT provides the basic IBM zSystems architecture and provides emulated IBM 3390 disk drives 3270 interfaces Open Systems Adapter OSA interfaces and other items The systems that are described in this publication are complex with elements of Linux for the underlying PC machine IBM z Architecture for the core zPDT

elements IBM zSystems I/O functions for emulated I/O devices z/OS the most common IBM zSystems operating system and various applications and subsystems under z/OS We assume that the reader is familiar with general concepts and terminology of IBM zSystems hardware and software elements and with basic PC/Linux characteristics This publication provides the primary documentation for ISV zPDT and corresponds to zPDT V1 R11 commonly known as GA11 IBM z13s Technical Guide Octavian Lascu, Barbara Sannerud, Cecilia A. De Leon, Edzard Hoogerbrug, Ewerson Palacio, Franco Pinto, Jin J. Yang, John P. Troy, Martin Soellig, IBM Redbooks, 2016-11-10 Digital business has been driving the transformation of underlying information technology IT infrastructure to be more efficient secure adaptive and integrated IT must be able to handle the explosive growth of mobile clients and employees It also must be able to process enormous amounts of data to provide deep and real time insights to help achieve the greatest business impact This IBM Redbooks publication addresses the new IBM z Systems™ single frame the IBM z13s server IBM z Systems servers are the trusted enterprise platform for integrating data transactions and insight A data centric infrastructure must always be available with a 99.999% or better availability have flawless data integrity and be secured from misuse It needs to be an integrated infrastructure that can support new applications It also needs to have integrated capabilities that can provide new mobile capabilities with real time analytics delivered by a secure cloud infrastructure IBM z13s servers are designed with improved scalability performance security resiliency availability and virtualization The superscalar design allows z13s servers to deliver a record level of capacity over the prior single frame z Systems server In its maximum configuration the z13s server is powered by up to 20 client characterizable microprocessors cores running at 4.3 GHz This configuration can run more than 18,000 millions of instructions per second MIPS and up to 4 TB of client memory The IBM z13s Model N20 is estimated to provide up to 100% more total system capacity than the IBM zEnterprise BC12 Model H13 This book provides information about the IBM z13s server and its functions features and associated software support Greater detail is offered in areas relevant to technical planning It is intended for systems engineers consultants planners and anyone who wants to understand the IBM z Systems™ functions and plan for their usage It is not intended as an introduction to mainframes Readers are expected to be generally familiar with existing IBM z Systems technology and terminology **IBM z14 ZR1 Technical Guide** Octavian Lascu, Hervey Kamga, Frank Packheiser, Martijn Raave, John Troy, Bill White, IBM Redbooks, 2018-12-17 This IBM Redbooks publication describes the new member of the IBM Z family IBM z14™ Model ZR1 Machine Type 3907 It includes information about the Z environment and how it helps integrate data and transactions more securely and can infuse insight for faster and more accurate business decisions The z14 ZR1 is a state of the art data and transaction system that delivers advanced capabilities which are vital to any digital transformation The z14 ZR1 is designed for enhanced modularity in an industry standard footprint A data centric infrastructure must always be available with a 99.999% or better availability have flawless data integrity and be secured from misuse It also must be an integrated infrastructure that can support new

applications Finally it must have integrated capabilities that can provide new mobile capabilities with real time analytics that are delivered by a secure cloud infrastructure IBM z14 ZR1 servers are designed with improved scalability performance security resiliency availability and virtualization The superscalar design allows z14 ZR1 servers to deliver a record level of capacity over the previous IBM Z platforms In its maximum configuration z14 ZR1 is powered by up to 30 client characterizable microprocessors cores running at 4.5 GHz This configuration can run more than 29 000 million instructions per second and up to 8 TB of client memory The IBM z14 Model ZR1 is estimated to provide up to 54% more total system capacity than the IBM z13s Model N20 This Redbooks publication provides information about IBM z14 ZR1 and its functions features and associated software support More information is offered in areas that are relevant to technical planning It is intended for systems engineers consultants planners and anyone who wants to understand the IBM Z servers functions and plan for their usage It is intended as an introduction to mainframes Readers are expected to be generally familiar with IBM Z technology and terminology

IBM z15 (8561) Technical Guide Octavian Lascu, John Troy, Jannie Houlbjerg, Frank Packheiser, Paul Schouten, Kazuhiro Nakajima, Anna Shugol, Hervey Kamga, Bo XU, IBM Redbooks, 2022-07-13 This IBM Redbooks publication describes the features and functions the latest member of the IBM Z platform the IBM z15™ machine type 8561 It includes information about the IBM z15 processor design I/O innovations security features and supported operating systems The z15 is a state of the art data and transaction system that delivers advanced capabilities which are vital to any digital transformation The z15 is designed for enhanced modularity which is in an industry standard footprint This system excels at the following tasks Making use of multicloud integration services Securing data with pervasive encryption Accelerating digital transformation with agile service delivery Transforming a transactional platform into a data powerhouse Getting more out of the platform with IT Operational Analytics Accelerating digital transformation with agile service delivery Revolutionizing business processes Blending open source and Z technologies This book explains how this system uses new innovations and traditional Z strengths to satisfy growing demand for cloud analytics and open source technologies With the z15 as the base applications can run in a trusted reliable and secure environment that improves operations and lessens business risk

IBM z15 (8562) Technical Guide Octavian Lascu, IBM Redbooks, 2021-04-28 This IBM Redbooks publication describes the features and functions the latest member of the IBM Z platform the IBM z15™ Model T02 machine type 8562 It includes information about the IBM z15 processor design I/O innovations security features and supported operating systems The z15 is a state of the art data and transaction system that delivers advanced capabilities which are vital to any digital transformation The z15 is designed for enhanced modularity which is in an industry standard footprint This system excels at the following tasks Making use of multicloud integration services Securing data with pervasive encryption Accelerating digital transformation with agile service delivery Transforming a transactional platform into a data powerhouse Getting more out of the platform with IT Operational Analytics Accelerating digital transformation with agile service delivery

Revolutionizing business processes Blending open source and Z technologies This book explains how this system uses new innovations and traditional Z strengths to satisfy growing demand for cloud analytics and open source technologies With the z15 as the base applications can run in a trusted reliable and secure environment that improves operations and lessens business risk **IBM z/OS Mainframe Security and Audit Management Using the IBM Security zSecure Suite** Axel

Buecker,Michael Cairns,Monique Conway,Mark S. Hahn,Deborah McLemore,Jamie Pease,Lili Xie,IBM Redbooks,2011-08-18 Every organization has a core set of mission critical data that must be protected Security lapses and failures are not simply disruptions they can be catastrophic events and the consequences can be felt across the entire organization As a result security administrators face serious challenges in protecting the company s sensitive data IT staff are challenged to provide detailed audit and controls documentation at a time when they are already facing increasing demands on their time due to events such as mergers reorganizations and other changes Many organizations do not have enough experienced mainframe security administrators to meet these objectives and expanding employee skillsets with low level mainframe security technologies can be time consuming The IBM Security zSecure suite consists of multiple components designed to help you administer your mainframe security server monitor for threats audit usage and configurations and enforce policy compliance Administration provisioning and management components can significantly reduce administration contributing to improved productivity faster response time and reduced training time needed for new administrators This IBM Redbooks publication is a valuable resource for security officers administrators and architects who wish to better understand their mainframe security solutions IBM z14 (3906) Technical Guide Octavian Lascu,IBM Redbooks,2018-12-17 This IBM Redbooks

publication describes the new member of the IBM Z family IBM z14™ IBM z14 is the trusted enterprise platform for pervasive encryption integrating data transactions and insights into the data A data centric infrastructure must always be available with a 99 999% or better availability have flawless data integrity and be secured from misuse It also must be an integrated infrastructure that can support new applications Finally it must have integrated capabilities that can provide new mobile capabilities with real time analytics that are delivered by a secure cloud infrastructure IBM z14 servers are designed with improved scalability performance security resiliency availability and virtualization The superscalar design allows z14 servers to deliver a record level of capacity over the prior IBM Z platforms In its maximum configuration z14 is powered by up to 170 client characterizable microprocessors cores running at 5 2 GHz This configuration can run more than 146 000 million instructions per second MIPS and up to 32 TB of client memory The IBM z14 Model M05 is estimated to provide up to 35% more total system capacity than the IBM z13 Model NE1 This Redbooks publication provides information about IBM z14 and its functions features and associated software support More information is offered in areas that are relevant to technical planning It is intended for systems engineers consultants planners and anyone who wants to understand the IBM Z servers functions and plan for their usage It is intended as an introduction to mainframes Readers are expected to be generally

familiar with existing IBM Z technology and terminology **WebSphere Application Server V8.5 Concepts, Planning, and Design Guide** Carla Sadtler,Fabio Albertoni,Jan Bajerski,Davide Barillari,Libor Cada,Susan Hanson,Guo Liang

Huang,Rispna Jain,Gabriel Knepper Mendes,Catalin Mierlea,Shishir Narain,Sergio Pinto,Jennifer Ricciuti,Christian Steege,IBM Redbooks,2013-08-01 This IBM Redbooks publication provides information about the concepts planning and design of IBM WebSphere Application Server V8 5 environments The target audience of this book is IT architects and consultants who want more information about the planning and design of application serving environments from small to large and complex implementations This book addresses the packaging and features in WebSphere Application Server and highlights the most common implementation topologies It provides information about planning for specific tasks and components that conform to the WebSphere Application Server environment Also in this book are planning guidelines for Websphere Application Server and Websphere Application Server Network Deployment on distributed platforms It also includes guidelines for WebSphere Application Server for IBM z OS This book contains information about migration considerations when moving from previous releases This book has been updated with the new features introduced with WebSphere Application Server V8 5 5 **zPDT Sysplex Extensions - 2020** Frank Kyne,Bill Ogden,IBM

Redbooks,2020-10-16 This IBM Redbooks publication describes the IBM System z Personal Development Tool IBM zPDT Sysplex Extensions 2020 which is a package that consists of sample files and supporting documentation to help you get a functioning data sharing sysplex up and running with minimal time and effort This book is a significant revision of zPDT 2017 Sysplex Extensions SG24 8386 This package is designed and tested to be installed on top of a standard Application Developer Controlled Distribution ADCD environment It provides the extra files that you need to create a two way data sharing IBM z OS 2 4 sysplex that runs under IBM z VM in a zPDT environment This package differs from the zPDT sysplex package delivered in IBM zPDT Guide and Reference System z Personal Development Tool SG24 8205 in that it provides working examples of more sysplex exploiters It also is designed to adhere to IBM s sysplex best practice recommendations in as far as is possible in a zPDT environment Although the package was not tested with IBM Z Development and Test Environment previously known as RD T it may be used to reduce the effort to create a fully functional sysplex under zD T Conceptually the package might also be restored and used as a template to create a sysplex environment that is running on a real IBM Z CPC The target audience for this document is system programmers who are responsible for designing creating and maintaining IBM Parallel Sysplex environments It can also be beneficial to developers who currently maintain their own ADCD environments and want to extend them to add sysplex functions **Benefits of Configuring More Memory in the IBM**

z/OS Software Stack Mark Wisniewski,Brenda Beane,David Betten,Clark Goodrich,Akiko Hoshikawa,David Herr,Catherine Moxey,Tony Sharkey,Pete Siddall,Robin Tanenbaum,Elpida Tzortzatos,David L Zhang,IBM Redbooks,2017-02-18 Significant performance benefits can be realized by increasing the amount of memory that is assigned to various functions in the IBM z

OS software stack operating system and middleware products IBM DB2 and IBM MQ buffer pools dump services and large page usage are just a few of the functions whose ease of use and performance can be improved when more memory is made available to them The following benefits can realized Reduced I O operations Reduced CPU usage Improved transaction response time Potential cost reductions Although the magnitude of these improvements can vary widely based on several factors including potential I Os to be eliminated resource contention workload configuration and tuning clients must carefully consider whether their environment can benefit from the addition of memory to the software functions that are described in this IBM Redpaper™ publication This paper describes the performance implications of increasing memory in the following areas DB2 buffer pools DB2 tuning IBM Cognos Dynamic Cubes MDM with larger DB2 buffer pools Java heaps and Garbage Collection tuning and Java large page use MQ v8 64 bit buffer pool tuning Enabling more in memory use by IBM CICS without paging TCP IP FTP DFSort I O reduction Fixed pages and fixed large pages

The Enigmatic Realm of **Architects Guide To Ibm Cics On System Z**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **Architects Guide To Ibm Cics On System Z** a literary masterpiece penned by way of a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of those that partake in its reading experience.

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Architects Guide To Ibm Cics On System Z Introduction

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