

# **Ibm System Z**

**Bill White,Octavian Lascu,Erik Bakker,Parwez Hamid,Fernando Nogal,Frank Packheiser,Vicente Ranieri Jr.,Karl-Erik Stenfors,Esra Ufacik,Chen Zhu,IBM Redbooks**

*IBM System z Personal Development Tool: Volume 2 Installation and Basic Use* Bill Ogden, IBM Redbooks, 2013-06-18 This IBM® Redbooks® publication introduces the IBM System z® Personal Development Tool (zPDT®), which runs on an underlying Linux system based on an Intel processor. zPDT provides a System z system on a PC capable of running current System z operating systems, including emulation of selected System z I/O devices and control units. It is intended as a development, demonstration, and learning platform and is not designed as a production system. This book, providing specific installation instructions, is the second of three volumes. The first volume describes the general concepts of zPDT and a syntax reference for zPDT commands and device managers. The third volume discusses more advanced topics that may not interest all zPDT users. The IBM order numbers for the three volumes are SG24-7721, SG24-7722, and SG24-7723. The systems discussed in these volumes are complex, with elements of Linux (for the underlying PC machine), IBM z/Architecture® (for the core zPDT elements), System z I/O functions (for emulated I/O devices), and IBM z/OS® (providing the System z application interface), and possibly with other System z operating systems. We assume the reader is familiar with the general concepts and terminology of System z hardware and software elements and with basic PC Linux characteristics.

*Using IBM System z As the Foundation for Your Information Management Architecture* Alex Louwe Kooijmans, Willie Favero, Fabricio Pimentel, IBM Redbooks, 2011-04-08 Many companies have built data warehouses (DWs) and have embraced business intelligence (BI) and analytics solutions. Even as companies have accumulated huge amounts of data, however, it remains difficult to provide trusted information at the right time and in the right place. The amount of data collected and available throughout the enterprise continues to grow even as the complexity and urgency of receiving meaningful information continues to increase. Producing meaningful and trusted information when it is needed can only be achieved by having a proper information architecture in place and a powerful underlying infrastructure. The amounts of data to mine, cleanse, and integrate are becoming so large that increasingly the infrastructure is becoming the bottleneck. This results in low refresh rates of the data in the data warehouse and in not having the information available in time where it is needed. And even before information can become available in a BI dashboard or a report, many preceding steps must take place: the collection of raw data; integration of data from multiple data stores, business units or geographies; transformation of data from one format to another; cubing data into data cubes; and finally, loading changes to data in the data warehouse. Combining the complexity of the information requirements, the growing amounts of data, and multiple layers of the information architecture requires an extremely powerful infrastructure. This IBM® Redguide™ publication explains how you can use IBM System z® as the foundation for your information management architecture. The System z value proposition for information management is fueled by the traditional strengths of the IBM mainframe, the specific strengths of DB2® for z/OS®, and the broad functionality of the IBM information management software portfolio. For decades, System z has proven its ability to manage vast amounts of mission-critical data for many companies throughout the world; your data is safe on System z. The available information management functionality on System z has grown from database management systems to a full stack of solutions including solutions for content management, master data management, information integration, data warehousing, and business intelligence and analytics. The availability of Linux® on System z provides an excellent opportunity to place certain components in an easy-to-manage and scalable virtualized Linux server, while benefitting from the System z hardware strengths. DB2 on z/OS can remain the operational data store and the underlying database for

the data warehouse. The next generation of System z is growing into a heterogeneous architecture with which you can take advantage of System z-managed accelerators running on IBM System x® or IBM Power Blades. The first of these accelerators is the IBM Smart Analytics Optimizer for DB2 for z/OS V1.1, an all-in-one solution in which System z, z/OS, DB2 on z/OS, an IBM BladeCenter®, and IBM storage work together to accelerate certain queries by one to two orders of magnitude. With the IBM Smart Analytics Optimizer, slices of data are periodically offloaded from DB2 on z/OS to the BladeCenter. After a query is launched against that data, it will automatically run against the data kept on the BladeCenter. The BladeCenter will process the query an order of magnitude faster than DB2 on z/OS, because all data is cached in internal memory on the BladeCenter and special compression techniques are used to keep the data footprint small and efficient. As a solid information management architecture ready for the future, System z has it all.

IBM zEnterprise 114 Technical Guide Bill White, Octavian Lascu, Erik Bakker, Parwez Hamid, Fernando Nogal, Frank Packheiser, Vicente Ranieri Jr., Karl-Erik Stenfors, Esra Ufacik, Chen Zhu, IBM Redbooks, 2012-02-27 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 a variety of platforms, and the 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 discusses the IBM zEnterprise System, an IBM scalable mainframe server. IBM is taking a revolutionary approach by integrating separate platforms under the well-proven System z hardware management capabilities, while extending System z qualities of service to those platforms. The zEnterprise System consists of the IBM zEnterprise 114 central processor complex, the IBM zEnterprise Unified Resource Manager, and the IBM zEnterprise BladeCenter® Extension. The z114 is designed with improved scalability, performance, security, resiliency, availability, and virtualization. The z114 provides up to 18% improvement in uniprocessor speed and up to a 12% increase in total system capacity for z/OS®, z/VM®, and Linux on System z over the z10TM Business Class (BC). The zBX infrastructure works with the z114 to enhance System z virtualization and management through an integrated hardware platform that spans mainframe, POWER7™, and System x technologies. The federated capacity from multiple architectures of the zEnterprise System is managed as a single pool of resources, integrating system and workload management across the environment through the Unified Resource Manager. This book provides an overview of the zEnterprise System and its functions, features, and associated software support. Greater detail is offered in areas relevant to technical planning. This book is intended for systems engineers, consultants, planners, and anyone wanting 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.

*Set up Linux on IBM System z for Production* Lydia Parziale, Saulo Silva, David Borges De Sousa, Livio Sousa, Junius Mills, Qi Ye, IBM Redbooks, 2013-11-25 This IBM® Redbooks® publication shows the power of IBM System z® virtualization and flexibility in sharing resources in a flexible production environment. In this book, we outline the planning and setup of Linux on System z to move from a development or test environment into production. As an example, we use one logical partition (LPAR) with shared CPUs with memory for a production environment and another LPAR that shares some CPUs, but also has a dedicated one for production. Running in IBM z/VM® mode allows for virtualization of servers and based on z/VM shares, can prioritize and control their resources. The size of the LPAR or z/VM resources depends on the workload and the applications that run that workload. We examine a typical web server environment,

Java applications, and describe it by using a database management system, such as IBM DB2®. Network decisions are examined with regards to VSWITCH, shared Open Systems Adapter (OSA), IBM HiperSockets™ and the HiperPAV, or FCP/SCSI attachment used with a storage area network (SAN) Volume Controller along with performance and throughput expectations. The intended audience for this IBM Redbooks publication is IT architects who are responsible for planning production environments and IT specialists who are responsible for implementation of production environments.

**Extending z/OS System Management Functions with IBM zAware** Frank Kyne, Karan Singh, Karla Arndt, Stephen Barton, Mark Noonan, Ryotaro Sawada, IBM Redbooks, 2013-08-01 This IBM® Redbooks® publication explains the capabilities of the IBM System z® Advanced Workload Analysis Reporter (IBM zAware), and shows how you can use it as an integral part of your existing System z management tools. IBM zAware is an integrated, self-learning, analytics solution for IBM z/OS® that helps identify unusual system behavior in near real time. It is designed to help IT personnel improve problem determination so they can restore service quickly and improve overall availability. The book gives you a conceptual description of the IBM zAware appliance. It will help you to understand how it fits into the family of IBM mainframe system management tools that include Runtime Diagnostics, Predictive Failure Analysis (PFA), IBM Health Checker for z/OS, and z/OS Management Facility (z/OSMF). You are provided with the information you need to get IBM zAware up and running so you can start to benefit from its capabilities immediately. You will learn how to manage an IBM zAware environment, and see how other products can use the IBM zAware Application Programming Interface to extract information from IBM zAware for their own use. The target audience includes system programmers, system operators, configuration planners, and system automation analysts.

**IBM System z Personal Development Tool: Volume 1 Introduction and Reference** Bill Ogden, IBM Redbooks, 2013-06-24 This IBM® Redbooks® publication introduces the IBM System z® Personal Development Tool (zPDT), which runs on an underlying Linux system based on an Intel processor. zPDT provides a System z system on a PC capable of running current System z operating systems, including emulation of selected System z I/O devices and control units. It is intended as a development, demonstration, and learning platform and is not designed as a production system. This book, providing an introduction, is the first of three volumes. The second volume describes the installation of zPDT (including the underlying Linux, and a particular z/OS® distribution) and basic usage patterns. The third volume discusses more advanced topics that may not interest all zPDT users. The IBM order numbers for the three volumes are SG24-7721, SG24-7722, and SG24-7723. An additional volume (SG24-7859) describes the use of zPDT in a Parallel Sysplex configuration. The systems discussed in these volumes are complex, with elements of Linux (for the underlying PC machine), z/Architecture® (for the core zPDT elements), System z I/O functions (for emulated I/O devices), and z/OS (providing the System z application interface), and possibly with other System z operating systems. We assume the reader is familiar with general concepts and terminology of System z hardware and software elements and with basic PC Linux characteristics.

**Introduction to the New Mainframe** Mike Ebberts, 2016 Based on the full-text book produced by the International Technical Support Organization (ITSO), this IBM Redbook publication provides students of information systems technology with the background knowledge and skills necessary to begin using the basic facilities of a mainframe computer. --

**IBM System z Personal Development Tool: Volume 3 Additional Topics** Bill Ogden, IBM Redbooks, 2013-06-28 This IBM® Redbooks® publication introduces the IBM System z® Personal Development Tool (zPDT), which runs on an underlying Linux system

based on an Intel processor. zPDT provides a System z system on a PC capable of running current System z operating systems, including emulation of selected System z I/O devices and control units. It is intended as a development, demonstration, and learning platform; it is not designed as a production system. This book, discussing more advanced topics, is the last of three volumes. The first volume introduces zPDT and provides reference material for zPDT commands and device managers. The second volume describes the installation of zPDT (including the underlying Linux, and a particular z/OS® distribution) and basic usage patterns. The third volume discusses more advanced topics that may not interest all zPDT users. The IBM order numbers for the three volumes are SG24-7721, SG24-7722, and SG24-7723. The systems discussed in these volumes are complex, with elements of Linux (for the underlying PC machine), z/Architecture® (for the core zPDT elements), System z I/O functions (for emulated I/O devices), and z/OS (providing the System z application interface), and possibly with other System z operating systems. We assume the reader is familiar with the general concepts and terminology of System z hardware and software elements and with basic PC Linux characteristics.

**ABCs of IBM z/OS System Programming** Lydia Parziale, Luiz Fadel, Stanley Jon, IBM Redbooks, 2018-01-22 The ABCs of IBM® z/OS® System Programming is a 13-volume collection that provides an introduction to the z/OS operating system and the hardware architecture. Whether you are a beginner or an experienced system programmer, the ABCs collection provides the information that you need to start your research into z/OS and related subjects. Whether you want to become more familiar with z/OS in your current environment, or you are evaluating platforms to consolidate your online business applications, the ABCs collection will serve as a powerful technical tool. Volume 1 provides an updated understanding of the software and IBM zSeries architecture, and explains how it is used together with the z/OS operating system. This includes the main components of z/OS needed to customize and install the z/OS operating system. This edition has been significantly updated and revised.

**Real World IBM System Z Stories** Jim Hoskins, 2011-03 Nothing breeds success like success. In this book, you will find detailed case studies of organizations that have improved their business success by applying solutions based on the IBM System z family of mainframe computers. By gaining insight into their problems, solutions, and results, you will discover how to better meet your own business needs and fuel business success. Real World SOA Stories includes dozens of case studies from many different industries including banking, computer services, education, energy & utilities, financial services, government, healthcare, industrial products, insurance, professional services, retail, travel & transportation, and more. The real-world business solutions highlighted will allow you to survey the latest IBM offerings including IBM WebSphere, DB2, SOA, Linux, Rational, IMS, CICS, Tivoli, z/OS, AIX, z/VM, Red Hat Enterprise Linux, ACI Proactive Risk Manager, Cognos, HATS, Content Manager, Lotus, IFL, SAP, InfoSphere, and more. When you buy this print edition, you also gain access to the online version which includes many links to videos and more detail about each case study. You can easily share the content in the online version with colleagues via email or social networks. This combination printed book and online version is just the right mix to help you improve your own business results. Real World IBM System z Stories helps you: \* Learn how to increase business success from the real-world experiences of others.\* Gain insight by seeing what other businesses in your industry and geography are doing with technology.\* Survey the latest business solutions available for IBM mainframe environments.\* See how your business can build on existing IBM mainframe infrastructure to add more business value.\* Gain access to the online version with additional links to more content and video case studies.\* Share this information with one click via email and social networks.

**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

*System z Crypto and TKE Update* Karan Singh,Lennie Dymoke-Bradshaw,Pekka Hanninen,Patrick Kappeler,IBM Redbooks,2011-06-20 This IBM® Redbooks® publication provides detailed information about the implementation of hardware cryptography in the System z10® server. We begin by summarizing the history of hardware cryptography on IBM Mainframe servers, introducing the cryptographic support available on the IBM System z10, introducing the Crypto Express3 feature, briefly comparing the functions provided by the hardware and software, and providing a high-level overview of the application programming interfaces available for invoking cryptographic support. This book then provides detailed information about the Crypto Express3 feature, discussing at length its physical design, its function and usage details, the services that it provides, and the API exposed to the programmer. This book also provides significant coverage of the CP Assist for Cryptographic Functions (CPACF). Details on the history and purpose of the CPACF are provided, along with an overview of cryptographic keys and CPACF usage details. A chapter on the configuration of the hardware cryptographic features is provided, which covers topics such as zeroizing domains and security settings. We examine the software support for the cryptographic functions available on the System z10 server. We look at the recent changes in the Integrated Cryptographic Service Facility (ICSF) introduced with level HCR7770 for the z/OS® operating system. A discussion of PKCS#11 support presents an overview of the standard and provides details on configuration and exploitation of PKCS#11 services

available on the z/OS operating system. The Trusted Key Entry (TKE) Version 6.0 workstation updates are examined in detail and examples are presented on the configuration, usage, and exploitation of the new features. We discuss the cryptographic support available for Linux® on System z®, with a focus on the services available through the IBM Common Cryptographic Architecture (CCA) API. We also provide an overview on Elliptical Curve Cryptography (ECC), along with examples of exploiting ECC using ICSF PKCS#11 services. Sample Rexx and Assembler code is provided that demonstrate the capabilities of CPACF protected keys.

**IBM System z Personal Development Tool Vol. 4 Coupling and Parallel Sysplex** Bill Ogden, IBM Redbooks, 2013-05-31 This IBM® Redbooks® publication describes the usage of Coupling Facility (CF) functions with the IBM System z® Personal Development Tool (zPDT). It describes the System z Coupling Application Developer Controlled Distribution, which is a Parallel Sysplex® starter system based on the AD-CD package and lists the exact steps taken to turn the normal AD-CD z/OS® system into a Parallel Sysplex base. This document assumes that the reader is familiar with basic zPDT usage and terminology, with z/OS, with the z/OS AD-CD system, with basic z/VM® usage, and with general Parallel Sysplex concepts. It is not intended as an introduction to any of these topics. This version of the document is based on z/VM 6.2 (as available to authorized users in an AD-CD package) and z/OS 1.13 (as available to authorized users in the January 2013 update of the AD-CD package).

*IBM System Z Personal Development Tool* Bill Ogden, 2013 This IBM® Redbooks® publication introduces the IBM System z® Personal Development Tool (zPDT®), which runs on an underlying Linux system based on an Intel processor. zPDT provides a System z system on a PC capable of running current System z operating systems, including emulation of selected System z I/O devices and control units. It is intended as a development, demonstration, and learning platform and is not designed as a production system. This book, providing specific installation instructions, is the second of three volumes. The first volume describes the general concepts of zPDT and a syntax reference for zPDT commands and device managers. The third volume discusses more advanced topics that may not interest all zPDT users. The IBM order numbers for the three volumes are SG24-7721, SG24-7722, and SG24-7723. The systems discussed in these volumes are complex, with elements of Linux (for the underlying PC machine), IBM z/Architecture® (for the core zPDT elements), System z I/O functions (for emulated I/O devices), and IBM z/OS® (providing the System z application interface), and possibly with other System z operating systems. We assume the reader is familiar with the general concepts and terminology of System z hardware and software elements and with basic PC Linux characteristics.

ABCs of IBM z/OS System Programming Karan Singh, Rui Feio, Oerjan Lundgren, Bob McCormack, Rita Pleus, Paul Rogers, IBM Redbooks, 2014-08-12 The ABCs of IBM® z/OS® System Programming is an 11-volume collection that provides an introduction to the z/OS operating system and the hardware architecture. Whether you are a beginner or an experienced system programmer, the ABCs collection provides the information that you need to start your research into z/OS and related subjects. If you want to become more familiar with z/OS in your current environment or if you are evaluating platforms to consolidate your e-business applications, the ABCs collection can serve as a powerful technical tool. Following are the contents of the volumes: Volume 1: Introduction to z/OS and storage concepts, TSO/E, ISPF, JCL, SDSF, and z/OS delivery and installation Volume 2: z/OS implementation and daily maintenance, defining subsystems, JES2 and JES3, LPA, LNKST, authorized libraries, IBM Language Environment®, and SMP/E Volume 3: Introduction to DFSMS, data set basics, storage management hardware and software, VSAM, System-managed storage, catalogs, and DFSMS Volume 4: Communication Server, TCP/IP, and IBM VTAM® Volume 5: Base and IBM Parallel Sysplex®, System Logger, Resource

Recovery Services (RRS), global resource serialization (GRS), z/OS system operations, automatic restart management (ARM), and IBM Geographically Dispersed Parallel Sysplex™ (IBM GDPS®) Volume 6: Introduction to security, IBM RACF®, digital certificates and public key infrastructure (PKI), Kerberos, cryptography and IBM z9® integrated cryptography, Lightweight Directory Access Protocol (LDAP), and Enterprise Identity Mapping (EIM) Volume 7: Printing in a z/OS environment, Infoprint Server, and Infoprint Central Volume 8: An introduction to z/OS problem diagnosis Volume 9: z/OS UNIX System Services Volume 10: Introduction to IBM z/Architecture®, IBM System z® processor design, System z connectivity, logical partition (LPAR) concepts, hardware configuration definition (HCD), and Hardware Management Console (HMC) Volume 11: Capacity planning, performance management, Workload Manager (WLM), IBM Resource Measurement Facility™ (RMFTM), and System Management Facilities (SMF)

IBM z/OS V2R1 Communications Server TCP/IP Implementation Volume 2: Standard Applications Rufus P. Credle Jr., Uma Maheswari Kumaraguru, Gilson Cesar de Oliveira, Micky Reichenberg, Georg Senfleben, Rutsakon Techo, Maulide Xavier, IBM Redbooks, 2013-12-17 For more than 40 years, IBM® mainframes have supported an extraordinary portion of the world's computing work, providing centralized corporate databases and mission-critical enterprise-wide applications. IBM System z®, the latest generation of the IBM distinguished family of mainframe systems, has come a long way from its IBM System/360 heritage. Likewise, its IBM z/OS® operating system is far superior to its predecessors in providing, among many other capabilities, world-class, state-of-the-art support for the TCP/IP Internet protocol suite. TCP/IP is a large and evolving collection of communication protocols managed by the Internet Engineering Task Force (IETF), an open, volunteer organization. Because of its openness, the TCP/IP protocol suite has become the foundation for the set of technologies that form the basis of the Internet. The convergence of IBM mainframe capabilities with Internet technology, connectivity, and standards (particularly TCP/IP) is dramatically changing the face of information technology and driving requirements for ever more secure, scalable, and highly available mainframe TCP/IP implementations. The IBM z/OS Communications Server TCP/IP Implementation series provides understandable, step-by-step guidance for enabling the most commonly used and important functions of z/OS Communications Server TCP/IP. This IBM Redbooks® publication provides useful implementation scenarios and configuration recommendations for many of the TCP/IP standard applications that z/OS Communications Server supports.

**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 of 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 z/OS V2R2: Unix Systems Services** Keith Winnard, Paul Robert Hering, IBM Redbooks, 2015-12-16 This IBM® Redbooks®



publication familiarizes you with the technical changes that were introduced into the UNIX System Services areas with IBM z/OS® V2R2. This book is one of a series of IBM Redbooks publications that take a modular approach to providing information about the updates that are included within z/OS V2R2. This approach has the following goals: - Provide modular content - Group the technical changes into a topic - Provide a more streamlined way of finding relevant information that is based on the topic We hope you find this approach useful. We value your feedback.

**Leveraging IBM Cognos 8 BI for Linux on IBM System z** Paolo Bruni, Andre Kres, Riccardo Paganelli, James Wilson, IBM Redbooks, 2010-02-01 In this IBM® Redbooks® publication, we describe the role Cognos® plays in an Information On Demand (IOD) solution for IBM System z® and detail the functions of IBM Cognos 8 BI for Linux® on System z in current deployment scenarios. We show typical deployment architectures that show how to access disparate data sources both on and off the System z platform and show how the functions of the Cognos family of products provides a way to consolidate different BI solutions on System z. We provide examples of Cognos functions for resolving business requirements using reporting and OLAP capabilities as well as general deployment considerations of IBM Cognos 8 BI for Linux on System z. This publication is meant to help the Cognos Business Intelligence professional understand the strong points of System z architecture and the database specialist appreciate the Cognos family of products.

**System z End-to-End Extended Distance Guide** Frank Kyne, Jack Consoli, Richard Davey, Gary Fisher, Iain Neville, Mauricio Nogueira, Fabio Pereira, Giancarlo Rodolfi, Ulrich Schlegel, IBM Redbooks, 2014-03-06 This IBM® Redbooks® publication will help you design and manage an end-to-end, extended distance connectivity architecture for IBM System z®. This solution addresses your requirements now, and positions you to make effective use of new technologies in the future. Many enterprises implement extended distance connectivity in a silo manner. However, effective extended distance solutions require the involvement of different teams within an organization. Typically there is a network group, a storage group, a systems group, and possibly other teams. The intent of this publication is to help you design and manage a solution that will provide for all of your System z extended distance needs in the most effective and flexible way possible. This book introduces an approach to help plan, optimize, and maintain all of the moving parts of the solution together.

Discover tales of courage and bravery in Explore Bravery with is empowering ebook, Unleash Courage in **Ibm System Z** . In a downloadable PDF format ( Download in PDF: \*), this collection inspires and motivates. Download now to witness the indomitable spirit of those who dared to be brave.

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## Ibm System Z Introduction

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