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Os390 And Zos Jcl

Gary DeWard Brown



Os390 And Zos Jcl:

OS/390 and Z/OS JCL Raul Menendez,Doug Lowe,2002 A thoroughly redesigned and updated version of Murach s best selling book that makes it easier than ever to learn how to use JCL Job Control Language on IBM mainframes After you learn how to use JCL for the jobs that you run everyday you will learn the advanced JCL skills that let you get the most from your operating system Along the way you ll learn how to use general purpose utilities the IDCAMS utility for VSAM files and Unix system services It s all there in the unique Murach style that has been training professional programmers for more than 25 years

SAP on DB2 for z/OS and OS/390: High Availability and Performance Monitoring with Data Sharing Viviane Anavi-Chaput,David Bellion,Tim Bohlsen,Humberto Carrasco,Mike Gordon,Flavio Lima,Mary Siart,Mike Zazulak,IBM Redbooks,2004-03-01 This IBM Redbooks publication addresses the challenges posed by monitoring high availability scalability and performance in an SAP sysplex data sharing environment It introduces the motivations for utilizing a design based on DB2 data sharing It includes the principal SAP DB2 data sharing architecture options and trade offs used in the industry today and issues that play a role in both high availability and scalability such as failover design database connectivity design workload splitting and load balancing MCOD and coupling facility design The book discusses single point of failure important failover scenarios and outage avoidance automation of high availability constructs and backup and recovery considerations in data sharing environments Performance issues are detailed in the order you would approach them at planning and implementation time First it discusses tuning the sysplex which is the base for a well performing DB2 data sharing system then tuning the DB2 data sharing system which is the base for a well performing SAP system and finally tuning the SAP system The book focuses on initial planning for performance and monitoring it afterward and explains the key points to look for to health check your system and maintain high performance

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

zOS JCL (Job Control Language) Gary DeWard Brown, 2002-10-01 Discusses new features provided by zOS such as improved security support for Intelligent Resource Director and support for a 64 bit real storage Explains how the system configuration in zOS is made easier by a new interface that uses wizards to input desired settings

MVS JCL Utilities Quick Reference Robert Wingate, 2010-06-15 IBM mainframe programmers will appreciate this handy reference for using the IBM MVS JCL utilities such as IEBGENER and IDCAMS It includes many examples of common functions with precise JCL syntax Great desk reference

ABCs of IBM z/OS System Programming Volume 6 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 LNKLST 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 DFSMSdfs 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

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 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 **ABCs of z/OS System Programming: Volume 9** Paul
 Rogers, Richard Conway, IBM Redbooks, 2011-05-12 The ABCs of z OS System Programming is an 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 If you would like to become more familiar with z OS in your current environment or if you are evaluating
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 automatic restart management ARM Geographically Dispersed Parallel Sysplex GDPS Volume 6 Introduction to security
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 Architecture zSeries processor design zSeries connectivity LPAR concepts HCD and HMC Volume 11 Capacity planning
 performance management WLM RMF and SMF Volume 12 WLM Volume 13 JES3 *ABCs of z/OS System Programming*
Volume 13 Paul Rogers, Juha Vainikainen, IBM Redbooks, 2012-02-07 A major goal of operating systems is to process jobs
 while making the best use of system resources Thus one way of viewing operating systems is as resource managers Before
 job processing operating systems reserve input and output resources for jobs During job processing operating systems
 manage resources such as processors and storage After job processing operating systems free all resources used by the
 completed jobs making the resources available to other jobs This process is called resource management There is more to the
 processing of jobs than the managing of resources needed by the jobs At any instant a number of jobs can be in various
 stages of preparation processing and post processing activity To use resources efficiently operating systems divide jobs into
 parts They distribute the parts of jobs to queues to wait for needed resources Keeping track of where things are and routing
 work from queue to queue is called workflow management and is a major function of any operating system JES3 considers

job priorities device and processor alternatives and installation specified preferences in preparing jobs for processing job output This IBM Redbooks publication describes a JES3 environment that includes the following Single system image Workload balancing Availability Control flexibility Physical planning flexibility [DB2 Universal Database for OS/390 Version 7.1 Certification Guide](#) Richard Yevich,Susan Lawson,2001 PLEASE PROVIDE COURSE INFORMATION PLEASE PROVIDE **ABCs of z/OS System Programming Volume 11** Paul Rogers,Alvaro Salla,IBM Redbooks,2010-12-07 The ABCs of z OS System Programming is a thirteen 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 will serve as a powerful technical tool The contents of the volumes are 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 Language Environment and SMP E Volume 3 Introduction to DFSMS data set basics storage management hardware and software VSAM System Managed Storage catalogs and DFSMStvs Volume 4 Communication Server TCP IP and VTAM Volume 5 Base and Parallel Sysplex System Logger Resource Recovery Services RRS global resource serialization GRS z OS system operations automatic restart management ARM Geographically Dispersed Parallel Sysplex GPDS availability in the zSeries environment Volume 6 Introduction to security RACF Digital certificates and PKI Kerberos cryptography and z990 integrated cryptography zSeries firewall technologies LDAP Enterprise Identity Mapping EIM and firewall technologies 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 z Architecture zSeries processor design zSeries connectivity LPAR concepts HCD and HMC Volume 11 Capacity planning performance management RMF and SMF Volume 12 WLM Volume 13 JES3

Merging Systems into a Sysplex Frank Kyne,Jeff Belot,Grant Bigham,Alberto Camara Jr.,Michael Ferguson,Gavin Foster,Roger Lowe,Mirian Minomizaki Sato,Graeme Simpson,Valeria Sokal,Feroni Suhood,IBM Redbooks,2014-09-05 This IBM Redbooks publication provides information to help Systems Programmers plan for merging systems into a sysplex zSeries systems are highly flexible systems capable of processing many workloads As a result there are many things to consider when merging independent systems into the more closely integrated environment of a sysplex This book will help you identify these issues in advance and thereby ensure a successful project [z/OS Version 1 Release 13 Implementation](#) Paul Rogers,Diniz Bortolotto,Robert Hering,George Kozakos,Lutz Kuehner,Jean-Louis Lafitte,Diana Nakajima,Paulo Nascimento,Nelson Oliveira,Gil Peleg,Giancarlo Rodolfi,Anthony Soares,Joao Zanon,IBM Redbooks,2012-03-27 This IBM Redbooks publication provides information about installation and migration changes to be aware of if you are responsible for

migrating systems from IBM z OS V1R10 z OS V1R11 and z OS V1R12 to z OS V1R13 It also highlights actions that are needed to prepare for the installation of z OS V1R12 including ensuring driving system and target system requirements are met and coexistence requirements are satisfied There is a special focus on identifying new migration actions that must be performed for selected elements when migrating to z OS V1R13 The book addresses the following topics z OS V1R13 overview z OS V1R13 installation managing volume backups with fast replication XCF enhancements console service enhancements DFSMSdftp DFSMSOam DFSMSHsm ISPF enhancements DFSMSrmm enhancements establishing IBM RACF security for RRSF TCP IP connections GRS enhancements BCP supervisor contents supervisor and RSM updates improved channel recovery Service aids enhancements System Logger SMF z OS UNIX System Services z OS UNIX related applications RRS z OS Management Facility z OS HCD and HCM C language Storage management enhancements Common Information Model Predictive Failure Analysis Extended Address Volume BCPii Capacity Provisioning System SSL enhancements UNICODE IBM Language Environment SDSF enhancements JES2 enhancements JES3 enhancements IBM RMFTM enhancements IBM WebSphere Application Server OEM z OSMF CIM and Capacity Provisioning setups BCPii Metal C example

Managing DB2 for z/OS Utilities with DB2 Tools Solution Packs Paolo Bruni,Carlos Alberto Gomes da Silva Junior,Craig McKellar,Adilet Sabyrbaev,Tim Willging,IBM Redbooks,2013-07-16 IBM DB2 Tools for z OS support and take advantage of the latest versions of DB2 for z OS These tools are integral for the administration of the DB2 for z OS environment and for optimization of data performance In addition the IBM portfolio addresses additional client requirements in the areas of data governance and version upgrade acceleration Underlying the operation of any database management system are the utilities With the number of database objects growing exponentially managing utility jobs meeting service level agreements SLAs and ensuring recoverability can be overwhelming IBM offers DB2 Tools solution packs that assist in the DB2 utilities management process Solution packs combine several products into a single consolidated solution providing everything necessary to ensure the execution of a set of database administration functions The goals are to reduce the operational complexity and reduce cost The objective of this IBM Redbooks publication is to document the added value in terms of productivity and performance for database administrators when using the IBM DB2 Utilities Solution Pack and the IBM DB2 Fast Copy Solution Pack We show the functions of the tools provided by the solution packs as used in real life scenarios and adopting utilities best practices

ARCHIVED: Pooled JVM in CICS Transaction Server V3 Chris Rayns,George Burgess,Scott Clee,Tom Grieve,John Taylor,Yun Peng Ge,Guo Qiang Li,Qian Zhang,Derek Wen,IBM Redbooks,2015-06-17 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 [IBM HTTP Server on z/OS: Migrating from Domino-powered to Apache-powered](#) Edward McCarthy,IBM Redbooks,2017-07-13 Users of IBM z OS for the past several years had a choice of two HTTP Servers that they can use Now one server became strategic while the other is no longer supported with z OS V2 2 IHS powered by Apache supports IPv6 and 64 bit execution and includes security authentication and authorization capabilities that are similar to those capabilities that are provided in IHS powered by IBM Domino This IBM Redpaper™ publication is aimed at technicians who are responsible for planning and deploying system software It provides information about the various features that are available in IBM HTTP Server powered by Apache It also provides guidance about how to upgrade from the old product to the new product **IBM z/OS V2.1 DFSMS**

Technical Update Mary Lovelace,Jose Dovidaskas,Anthony Fletcher,Gert Laumann,Norbert Schlumberger,IBM Redbooks,2014-09-15 Each release of IBM z OS DFSMS builds upon the previous version to provide enhanced storage management data access device support program management and distributed data access for the z OS platform in a system managed storage environment This IBM Redbooks publication provides a summary of the functions and enhancements integrated into z OS V2 1 DFSMS It provides you with the information that you need to understand and evaluate the content of this DFSMS release along with practical implementation hints and tips This book is written for storage professionals and system programmers who have experience with the components of DFSMS It provides sufficient information so that you can start prioritizing the implementation of new functions and evaluating their applicability in your DFSMS environment

Optimizing DB2 Queries with IBM DB2 Analytics Accelerator for z/OS Paolo Bruni,Patric Becker,Willie Favero,Ravikumar Kalyanasundaram,Andrew Keenan,Steffen Knoll,Nin Lei,Cristian Molaro,P S Prem,IBM Redbooks,2012-12-20 The IBM DB2 Analytics Accelerator Version 2 1 for IBM z OS also called DB2 Analytics Accelerator or

Query Accelerator in this book and in DB2 for z OS documentation is a marriage of the IBM System z Quality of Service and Netezza technology to accelerate complex queries in a DB2 for z OS highly secure and available environment Superior performance and scalability with rapid appliance deployment provide an ideal solution for complex analysis This IBM Redbooks publication provides technical decision makers with a broad understanding of the IBM DB2 Analytics Accelerator architecture and its exploitation by documenting the steps for the installation of this solution in an existing DB2 10 for z OS environment In this book we define a business analytics scenario evaluate the potential benefits of the DB2 Analytics Accelerator appliance describe the installation and integration steps with the DB2 environment evaluate performance and show the advantages to existing business intelligence processes

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 worlds 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

Optimizing System z Batch Applications by Exploiting Parallelism Martin Packer, Dean Harrison, Karen Wilkins, IBM Redbooks, 2014-08-21 This IBM Redpaper™ publication shows you how to speed up batch jobs by splitting them into near identical instances sometimes referred to as It is a practical guide which is based on the authors testing experiences with a batch job that is similar to those jobs that are found in customer applications This guide documents the issues that the team encountered and how the issues were resolved The final tuned implementation produced better results than the initial traditional implementation Because job splitting often requires application code changes this guide includes a description of some aspects of application modernization you might consider if you must modify your application The authors mirror the intended audience for this paper because they are

specialists in IBM DB2 IBM Tivoli Workload Scheduler for z OS and z OS batch performance *IBM IMS Version 12 Technical Overview* Paolo Bruni, Isabelle Bruneel, Angie Greenhaw, Dougie Lawson, Jorge Alberto Luz Ribeiro, Egide Van Aershot, IBM Redbooks, 2011-10-25 IBM Information Management System IMSTM provides leadership in performance reliability and security to help you implement the most strategic and critical enterprise applications IMS also keeps pace with the IT industry IMS Enterprise Suite 2.1 and IMS Tools continue to evolve to provide value and meet the needs of enterprise customers With IMS 12 integration and open access improvements provide flexibility and support business growth requirements Manageability enhancements help optimize system staff productivity by improving ease of use and autonomic computing facilities and by providing increased availability Scalability improvements have been made to the well known performance efficiency availability and resilience of IMS by using 64 bit storage IBM IMS Enterprise Suite for z OS V2.1 components enhance the use of IMS applications and data In this release components either orderable or downloaded from the web deliver innovative new capabilities for your IMS environment They enhance connectivity expand application development extend standards and tools for a service oriented architecture SOA ease installation and provide simplified interfaces This IBM Redbooks publication explores the new features of IMS 12 and Enterprise Suite 2.1 and provides an overview of the IMS tools In addition this book highlights the major new functions and facilitates database administrators in their planning for installation and migration

Whispering the Techniques of Language: An Psychological Quest through **Os390 And Zos Jcl**

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