

## Jcl Reference Guide

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### Implementing REXX Support in SDSF

Harper Collins

Packed with current data and the latest methods, this hands-on reference shows you how to use the two major mainframe interface products--MVS Time-Sharing Option (TSO) and Interactive System Productivity Facility (ISPF)--to create and store data, print documents, and perform data management functions.

### Db2 for z/OS Utilities in Practice IBM

Redbooks

IBM® Problem Determination (PD) Tools consists of a core group of IBM products that are designed to work with compilers and run times to provide a start-to-finish development solution for the IT professional. This IBM Redbooks® publication provides you with an introduction to the tools, guidance for program preparation to use with them, an overview of their integration, and several scenarios for their use. If an abend occurs during testing, Fault Analyzer enables the programmer to quickly and easily pinpoint the abending location and optionally, the failing line of code. Many times, this information is all the programmer requires to correct the problem. However, it might be necessary to delve a little deeper into the code to figure out the problem.

Debug Tool allows the programmer to step through the code at whatever level is required to determine where the error was introduced or encountered. After the code or data is corrected, the same process is followed again until no errors are encountered. However, volume testing or testing with multiple terminals is sometimes required to ensure real-world reliability. Workload Simulator can be used to perform this type of testing. After all of the tests are completed, running the application by using Application Performance Analyzer can ensure that no performance bottlenecks are encountered. It also provides a baseline to ensure that future

enhancements do not introduce new performance degradation into the application. This publication is intended for z/OS® application developers and system programmers.

DB2 IBM Redbooks

This IBM® Redbooks® publication positions the new z/OS® Version 1 Release 11 for migration by discussing many of the new functions that are available. The goal for the z/OS platform is to eliminate, automate, and simplify tasks without sacrificing z/OS strengths, and to deliver a z/OS management facility that is easy to learn and use. z/OS is a highly secure, scalable, high-performance enterprise operating system on which to build and deploy Internet- and Java™-enabled applications, providing a comprehensive and diverse application execution environment. This book describes the following new and changed functions: - IBM z/OS Management Facility - Allocation enhancements in z/OS V1R11 - BCPii function enhancements in z/OS V1R11 - JES2 and JES3 enhancements - zFS file sharing enhancements - Extended access volume enhancements - Choosing whether to run zAAP work on zIIP processors - System REXX enhancements in V1R11 - RRS global panel options - Service aids enhancements in V1R11 - GRS ENQ contention notification enhancements and analysis for GRS latches - Basic HyperSwap® support enhancement - Message Flood Automation enhancements - Program Management new Binder IEWPARMS - Predictive failure analysis (PFA) - SMF enhancements in V1R11 - System Logger enhancements - XCF/XES enhancements in V1R11 - AutoIPL support - Displaying PDSE caching statistics - ISPF enhancements - IBM Health Checker for z/OS enhancements A Guide to JES3 to JES2 Migration McGraw-Hill Companies

This IBM® Redbooks® publication provides information to help clients that have JES3 and want to migrate to JES2. It provides a comprehensive list of the differences between the two job entry subsystems and provides information to help you determine the migration effort and actions. This book considers the features of JES2 as available on releases of IBM z/OS® V2R3 and V2R4. It should be used with JES3 to JES2 Migration Considerations, SG24-8083. This publication is divided into three parts: Part 1, "Planning to migrate from JES3 to JES2" on page 1, gives you information to make the decision and plan your migration. Part 2, "Use case study" on page 111, provides a Use Case Study that

is based on an actual customer experience in a successful migration. Part 3, "Appendixes" on page 193, provides an appendix with sample tools that can help the migration process and exploitation of some of the new JES2 functions. This book is aimed at operations personnel, system programmers, and application developers

### ABCs of IBM z/OS System Programming Volume 2 IBM Redbooks

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.

### *Catalog of Copyright Entries. Third Series* IBM Redbooks

For all users who work with ISPF on z/OS MVS. The readers of this book will learn how to use the ISPF professionally in their daily work in z/OS to quickly reach optimal results: - Detailed description of TSO/ISPF logon processes - Use of ISPF command tables - DSLIST - Optimal use of Data Set Lists - Use of Object / Action Workplace as an optimal work surface - Detailed description on use of the ISPF editor - Utilities for allocated data sets - Secret commands usable in ISPF - Descriptions for using the downloadable SMART ISPF Utilities The author gives many useful hints and tips based on his extensive experience working with ISPF. The applications of all the major ISPF commands are demonstrated by examples from practice. The book can be used as a teaching aid as well as a practical guide for daily work.

Parklawn Computer Center User 's Guide IBM Redbooks

Using the SAS System. The data step. The PROC step. Features for the both data and PROC steps. SAS procedures.

*Numbers Runner* IBM Redbooks

MVS/ESA is a relatively new IBM system released in June, 1989, and this unique book focuses on the more complex and challenging aspects of MVS JCL, with thorough explanations of what to do and what not to do. Using a real-world approach, it addresses problems as they occur in a real environment.

OS/390 MVS JCL Quick Reference Guide IBM Redbooks

Each release of data facility storage management subsystem (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 in z/OS V1R11 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. Also included are enhancements that were made available through an enabling PTF that has been integrated into z/OS DFSMS V1R11. This book was 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.

*System Programmer's Guide to Workload Manager* McGraw-Hill Companies

Appendices offer further resources for deciphering common error messages, converting data, comparing hardware, and accessing networks, along with general hints and suggestions for ongoing reading. UNIX for the Mainframer is the only book that helps mainframers use their existing skills to get them up and running in the UNIX environment, fast.

*z/OS V1.11 DFSMS Release Guide* McGraw-Hill Companies

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. 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. This volume describes the basic system programming activities related to implementing and maintaining the z/OS installation and provides details about the modules that are used to manage jobs and data. It covers the following topics: Overview of the parmlib definitions and the IPL process. The parameters and system data sets necessary to IPL and run a z/OS operating system are described, along with the main daily tasks for maximizing performance of the z/OS system. Basic concepts related to subsystems and subsystem interface and how to use the subsystem services that are provided by IBM subsystems. Job management in the z/OS system using the JES2 and JES3 job entry subsystems. It provides a detailed discussion about how JES2 and JES3 are used to receive jobs into the operating system, schedule them for processing by z/OS, and control their output processing. The link pack area (LPA), LNKLST, authorized libraries, and the role of VLF and LLA components. An overview of SMP/E for z/OS. An overview of IBM Language Environment® architecture and descriptions of Language Environment's full program model, callable services, storage management model, and debug information. Other volumes in this series include the following content: Volume 1: Introduction to z/OS and storage concepts, TSO/E, ISPF, JCL, SDSF, and z/OS delivery and installation Volume 3: Introduction to DFSMS, data set basics, storage management, hardware and software, catalogs, and DFSMSStvs 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), IBM Geographically Dispersed Parallel Sysplex™ (IBM GDPS®) Volume 6: Introduction to security, IBM RACF®, Digital certificates and PKI, Kerberos, cryptography and z990 integrated cryptography, zSeries firewall technologies, 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®, the IBM Z platform and IBM Z connectivity, LPAR concepts, HCD, and the DS Storage Solution Volume 11: Capacity planning, performance management, WLM, IBM RMFTM, and SMF Volume 12: WLM Volume 13: JES3, JES3 SDSF

**JES3 to JES2 Migration Considerations** IBM Redbooks

Virtual Storage Access Method (VSAM) is one of the access methods used to process data. Many of us have used VSAM and

work with VSAM data sets daily, but exactly how it works and why we use it instead of another access method is a mystery. This book helps to demystify VSAM and gives you the information necessary to understand, evaluate, and use VSAM properly. This book also builds upon the subject of Record Level Sharing and DFSMSStvs. It clarifies VSAM functions for application programmers who work with VSAM. The practical, straightforward approach should dispel much of the complexity associated with VSAM. Wherever possible an example is used to reinforce a description of a VSAM function. This IBM® Redbooks® publication is intended as a supplement to existing product manuals. It is intended to be used as an initial point of reference for VSAM functions.

Getting Started with z/OS Data Set Encryption IBM Redbooks

The Restructured Extended Executor (REXX) language is a procedural language that allows you to write programs and algorithms in a clear and structural way. It is an interpreted and compiled language, and you do not have to compile a REXX command list before executing it. With IBM z/OS V1.9, you can harness the versatility of REXX to interface and interact with the power of SDSF. A new function called REXX with SDSF is available that provides access to SDSF functions through the use of the REXX programming language. This REXX support provides a simple and powerful alternative to using SDSF batch. This IBM Redbooks publication describes the new support and provides sample REXX execs that exploit the new function and that perform real-world tasks related to operations, systems programming, system administration, and automation. This book complements the SDSF documentation, which is primarily reference information. The audience for this book includes operations support, system programmers, automation support, and anyone with a desire to access SDSF using a REXX interface.

*DB2 Universal Database for OS/390 Version 7.1 Certification Guide* IBM.Com/Redbooks

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. The ABCs collection serves as a powerful technical tool to help you become more familiar with z/OS in your current environment, or to help you evaluate platforms to consolidate your

e-business applications. This edition is updated to z/OS Version 2 Release 3. The other volumes contain the following content: 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, IBM Job Entry Subsystem 2 (JES2) and JES3, link pack area (LPA), LNKLST, authorized libraries, System Modification Program Extended (SMP/E), IBM Language Environment 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 manager (ARM), IBM Geographically Dispersed Parallel Sysplex™ (IBM GDPS) Volume 6: Introduction to security, IBM RACF®, Digital certificates and PKI, Kerberos, cryptography and z990 integrated cryptography, zSeries firewall technologies, 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®, the IBM Z platform, IBM Z connectivity, LPAR concepts, HCD, and DS Storage Solution. Volume 11: Capacity planning, performance management, WLM, IBM RMFTM, and SMF Volume 12: WLM Volume 13: JES3, JES3 SDSF

#### MVS/extended Architecture JCL Reference

Prentice Hall Professional

This IBM® Redbooks® publication is based on the book Introduction to the New Mainframe: z/OS Basics, SG24-6366, which was produced by the International Technical Support Organization (ITSO), Poughkeepsie Center. It provides students of information systems technology with the background knowledge and skills necessary to begin using the basic facilities of a mainframe computer. For optimal learning, students are assumed to have successfully completed an introductory course in computer system concepts, such as computer organization and architecture, operating systems, data management, or data communications. They should also have successfully completed courses in one or more programming languages, and be PC literate. This textbook can also be used as a prerequisite for courses in advanced topics, or for internships and special studies. It is not intended to be a complete text covering all aspects of mainframe operation. It is also not a reference book that discusses every feature and option of the mainframe facilities. Others who can benefit from this course include experienced data processing professionals who have worked with non-mainframe platforms, or who are familiar with some aspects of the mainframe but want to become knowledgeable with other facilities and benefits of the mainframe environment. As we go through this course, we suggest that the instructor alternate between text, lecture, discussions, and hands-on exercises. Many of the exercises are cumulative, and are designed to show the student how to design and implement the topic presented. The instructor-led discussions and hands-on exercises are an integral part of the course, and can include topics not covered in this textbook. In this course, we use simplified examples and focus mainly on basic system

functions. Hands-on exercises are provided throughout the course to help students explore the mainframe style of computing. At the end of this course, you will be familiar with the following information: Basic concepts of the mainframe, including its usage and architecture Fundamentals of IBM z/VSE® (VSE), an IBM z™ 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

#### **MVS JCL & Utilities** IBM Redbooks

As IBM® continues to enhance the functionality, performance, and availability of IBM Db2®, the utilities have made significant strides towards self-management. IBM Db2 for z/OS utilities is leading the trend towards autonomies. During the last couple of versions of Db2 for z/OS, and through the maintenance stream, new features and enhancements have been delivered to further improve the performance and functionality of the Db2 utilities. The intent of this IBM Redpaper™ publication is to help Db2 Database Administrators, Db2 System Programmers, and anyone who runs Db2 for z/OS utilities implement best practices. The intent of this paper is not to replicate the Db2 for z/OS Utilities Reference Guide or the Db2 for z/OS Installation Guide. This paper describes and informs you how to apply real-life practical preferred practices for the IBM Db2 for z/OS Utilities Suite. The paper concentrates on the enhancements provided by Db2 utilities, regardless of the version, albeit some functions and features are available only in Db2 12 for IBM z/OS®.

#### **All the Prayers of the Bible** IBM Redbooks

This IBM® Redpaper Redbooks® publication provides a broad explanation of data protection through encryption and IBM Z® pervasive encryption with a focus on IBM z/OS® data set encryption. It describes how the various hardware and software components interact in a z/OS data set encryption environment. In addition, this book concentrates on the planning and preparing of the environment and offers implementation, configuration, and operational examples that can be used in z/OS data set encryption environments. This publication is intended for IT architects, system programmer, and security administrators who plan for, deploy, and manage security on the Z platform. The reader is expected to have a basic understanding of IBM Z security concepts.

*VSAM Demystified* MVS Training Incorporated  
PLEASE PROVIDE COURSE INFORMATION  
PLEASE PROVIDE

*Cornell MVS User's Guide* IBM Redbooks

This IBM® Redbooks® publication helps you to become familiar with the technical changes that were introduced into the JES2 JES3, and SDSF areas with IBM z/OS® V2R2. This book includes the following chapters: - Chapter 1, "JES2" on page 1: This chapter describes the JES2 updates that are related to z/OS V2R2. - Chapter 2, "JES3" on page 29: This chapter describes the enhancements that are provided in JES3 by z/OS V2R. - Chapter 3, "System Display and Search Facility" on page 39: This chapter describes the changes in SDSF in z/OS V2R2. This book is one of a series of IBM Redbooks that take a modular approach to providing information about the updates that are included with 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 and we welcome your feedback.

#### z/OS Version 1 Release 11 Implementation

Walter de Gruyter GmbH & Co KG

This comprehensive Bible survey of all the important aspects of prayer is a part of the 'All Series' by renowned Bible expositor Herbert Lockyer.