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 File  Edit  Edit_Settings  Menu  Utilities  Compilers  Test  Help
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EDIT       JIMRICE.ADLAB.JCL(XSAM) - 01.53         Columns 00001 00072
Command ===> EQAJCL                                  Scroll ===> CSR
****** *********************************** Top of Data ****************
000001 //JIMRICEC JOB (JIMRICE),'JIM RICE',MSGCLASS=X,
000002 //            CLASS=A,REGION=0M,NOTIFY=JIMRICE
000003 //       SET PROGRAM=SAM1
000004 //PRINT1   EXEC PGM=IDCAMS
000005 //SYSPRINT DD SYSOUT=*
000006 //FILE     DD DSN=&SYSUID..ADLAB.FILES(CUST2),DISP=SHR
000007 //SYSIN DD *
000008   PRINT INFILE(FILE) COUNT(1)           In this example, the program
000009 //RUNSAM1 EXEC PGM=&PROGRAM,REGIO        name is a symbolic one.
000010 //STEPLIB  DD DISP=SHR,DSN=JIMRICE.ADLAB.LOAD
000011 //CUSTFILE DD DSN=&SYSUID..ADLAB.FILES(CUST2),DISP=SHR
000012 //SYSPRINT DD SYSOUT=*
000013 //SYSOUT   DD SYSOUT=*
000014 //CUSTRPT  DD SYSOUT=*
000015 //CUSTOUT  DD SYSOUT=*
000016 //TRANFILE DD *
000017 *TRAN    (*  IN COL 1 IS A COMMENT)              Enter
 F1=Help      F2=Split     F3=Exit     F4=Expand    F5=Rfind
 F7=Up        F8=Down      F9=Swap     F10=Left     F11=Right    F12=Retrieve
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Ibm Z Os Jcl Reference Manual

Joacim Rocklöv

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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 **IBM z/OS V2R1 Communications Server TCP/IP Implementation Volume 1: Base Functions, Connectivity, and Routing** Rufus P. Credle Jr.,Uma Maheswari Kumaraguru,Gilson Cesar de Oliveira,Micky Reichenberg,Georg Senfleben,Rutsakon Techo,Maulide Xavier,IBM Redbooks,2015-05-04 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 even 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 is for people who install and support z OS Communications Server It introduces z OS Communications Server TCP IP describes the system resolver showing implementation of global and local settings for single and multi stack environments It presents implementation scenarios for TCP IP base functions connectivity routing virtual MAC support and sysplex subplexing **ABCs of IBM z/OS System Programming Volume 3** Jose Gilberto Biondo Jr.,IBM Redbooks,2018-01-19 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 SysplexTM 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   **DB2 Developer's Guide** Craig S. Mullins,2012-05-01 DB2 Developer s Guide is the field s 1 go to source for on the job information on programming and administering DB2 on IBM z OS mainframes Now three time IBM Information Champion Craig S Mullins has thoroughly updated this classic for DB2 v9 and v10 Mullins fully covers new DB2 innovations including temporal database support hashing universal tablespaces pureXML performance security and governance improvements new data types and much more Using current versions of DB2 for z OS readers will learn how to Build better databases and applications for CICS IMS batch CAF and RRSAF Write proficient code optimized DB2 SQL Implement efficient dynamic and static SQL applications Use binding and rebinding to optimize applications Efficiently create administer and manage DB2 databases and applications Design build and populate efficient DB2 database structures for online batch and data warehousing Improve the performance of DB2 subsystems databases utilities programs and SQL stat DB2 Developer s Guide Sixth Edition builds on the unique approach that has made previous editions so valuable It combines Condensed easy to read coverage of all essential topics information otherwise scattered through dozens of documents Detailed discussions of crucial details within each topic Expert field tested implementation advice Sensible examples   *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   *DB2 for z/OS Version 8 DBA Certification Guide* Susan Lawson,2004-10-28 A practical guide to DB2 z OS database administration that is 100 percent focused on running DB2 in z OS environments The only comprehensive preparation guide for the IBM Certified Database Administrator for DB2 Universal Database V8 z OS certification Covers database planning design implementation operation recovery security performance installation migration and more Sample test questions help you prepare for both IBM DB2 DBA Tests 700 and 702 IBM DB2 Universal Database Version 8 for z OS offers enterprises unprecedented opportunities to integrate information deliver it on demand and manage it simply and cost effectively Now one of the world s leading DB2 consultants presents the definitive guide to administering DB2 UDB V8 databases in z OS environments DB2 for z OS Version 8 DBA Certification Guide also serves as a key tool for anyone preparing for IBM Certified Database Administrator for DB2 Universal Database V8 for z OS certification IBM Gold Consultant Susan Lawson presents hundreds of practical techniques expert guidelines and useful tips for every facet of DB2 UDB database administration including database implementation operation recovery security auditing performance installation migration SQL and more Coverage includes Understanding the DB2 product family architecture attachments and the DB2 z OS environment Securing enterprise class DB2 installations and applications Using SQL to create and manage database objects and manipulate and retrieve information Mastering key DBA tasks including loading reorganizing quiescing repairing and recovering data recovering and rebuilding indexes and gathering statistics Implementing data sharing in Parallel Sysplex environments Learning the fundamentals of DB2 application development from the DBA s perspective Leveraging advanced DB2 functions including stored procedures and other object relational extensions Optimizing DB2 applications and the DB2 engine for maximum performance Whether you are administering DB2 UDB V8 in z OS environments planning to do so or preparing for DB2 UDB V8 DBA certification DB2 for z OS Version 8 DBA Certification Guide will be your single most valuable resource   IBM z/OS V1R13 Communications Server TCP/IP Implementation: Volume 2 Standard Applications Mike Ebbers,Rama Ayyar,Octavio L. Ferreira,Yohko Ojima,Gilson Cesar de Oliveira,Mike Riches,Maulide Xavier,IBM Redbooks,2011-12-27 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 The 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 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 about how to enable 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 For more specific information about z OS Communications Server standard applications high availability and security see the other volumes in the series IBM z OS V1R13 Communications Server TCP IP Implementation Volume 1 Base Functions Connectivity and Routing SG24 7996 IBM z OS V1R13 Communications Server TCP IP Implementation Volume 3 High Availability Scalability and Performance SG24 7998 IBM z OS V1R13 Communications Server TCP IP Implementation Volume 4 Security and Policy Based Networking SG24 7999 For comprehensive descriptions of the individual parameters for setting up and using the functions that we describe in this book along with step by step checklists and supporting examples see the following publications z OS Communications Server IP Configuration Guide SC31 8775 z OS Communications Server IP Configuration Reference SC31 8776 z OS Communications Server IP User s Guide and Commands SC31 8780 This book does not duplicate the information in those publications Instead it complements them with practical implementation scenarios that can be useful in your environment To determine at what level a specific function was introduced see z OS Communications Server New Function Summary GC31 8771 For complete details we encourage you to review the documents that are listed in the additional resources section at the end of each chapter   Improving z/OS Application Availability by Managing Planned Outages Frank Kyne,Andy Clifton,Justin Deane,Fernando Ferreira,Richard Gunjal,Chuck Laurent,John Papp,Judy Ruby-Brown,Maida Snapper,Michael Stephen,Dave Viguers,Marna Walle,Yvonne Zemotel,IBM Redbooks,2014-12-22 This IBM Redbooks publication is intended to make System Programmers Operators and Availability Managers aware of the enhancements to recent releases of IBM z OS and its major subsystems in the area of planned outage avoidance It is a follow on to rather than a replacement for z OS Planned Outage Avoidance Checklist SG24 7328 Its primary objective is to bring together in one place information that is already available but widely dispersed It also presents a different perspective on planned outage avoidance Most businesses care about application availability rather than the availability of a specific system Also a planned outage is not necessarily a bad thing if it does not affect application availability In fact running for too long without an IPL or subsystem restart might have a negative impact on application availability because it impacts your ability to apply preventive service Therefore this book places more focus on decoupling the ability to make changes and updates to your system from IPLing or restarting your systems   Exploiting the IBM Health Checker for z/OS Infrastructure Mario Bezzi,Neil O'Connor,Sharon Phillips,Ulrich

Thiemann,Helen Tsang,IBM Redbooks,2010-12-22 The IBM Health Checker for z OS also identified in this book as IBM Health Checker is a key component of the z OS operating system whose objective is to identify potential problems before they impact the system s availability To do this it continuously checks many current active z OS and sysplex settings and compares them with those suggested by IBM or defined by you The IBM Health Checker for z OS is made of two parts A framework that provides check management and execution services It supports check development by IBM independent software vendors ISVs and users Individual checks that look for specific z OS settings and definitions checking for potential problems Customers can use the IBM Health Checker for z OS infrastructure to run their own checks extending the reach of IBM Health Checker for z OS to environment specific settings This IBM RedpaperTM publication introduces the IBM Health Checker and describes how to activate and use it It teaches you how to exploit the IBM Health Checker infrastructure to run custom checks and how to identify good candidates for writing your own checks This publication also provides a number of sample checks to give you a good start creating custom checks for your environment **IBM z/OS V2R2: Storage Management and Utilities** Keith Winnard,Natalia Barros,Jose Gilberto Biondo Jr,Jaqueline Mourao,Alvaro Salla,Ewerton Waki,IBM Redbooks,2015-12-17 This IBM Redbooks publication helps you to become familiar with the technical changes that were introduced into the Storage Management and Utilities areas with IBM 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 *Modernize Your IBM DB2 for IBM z/OS Maintenance with Utility Autonomics* Dean Brown,Carlos Gomes,Arthur Marais,Hennie Mynhardt,IBM Redbooks,2015-08-20 IBM DB2 for IBM z OS helps lower the cost of managing data by automating administration increasing storage efficiency improving performance and simplifying the deployment of virtual appliances By automating tasks such as memory allocation storage management and business policy maintenance DB2 is able to perform many management tasks itself freeing up Database Administrators to focus on new projects This IBM Redbooks publication introduces autonomics for DB2 for z OS IBM provides several different components that when combined can create an autonomic database environment All these respective components cover certain aspects of autonomics which can collaborate into one coherent solution In our evolution of autonomics and the need to move to smarter systems there has been a bigger drive to the concept of Active versus Passive autonomics With the inclusion of the IBM Management Console for IMSTM and DB2 for z OS and the Autonomics Director it is now easier than ever to make that transition by leveraging the strength of the DB2 Utilities Solution Pack for z OS all in one standardized and centralized interface This publication guides you through the business reasons for adopting autonomic solutions and provides step by step guidance to implement these capabilities in your DB2 for z OS configuration This publication is of interest primarily to

DB2 Database Administrators and DB2 Systems Programmers and for anyone looking to understand the benefits of DB2 autonomic solutions   DB2 9 for z/OS and Storage Management Paolo Bruni,John Iczkovits,Hennie Mynhardt,Peter Zerbini,IBM Redbooks,2010-09-17 This IBM Redbooks publication can help you tailor and configure DFSMS constructs to be used in an IBM DB2 9 for z OS environment In addition it provides a broad understanding of new disk architectures and their impact in DB2 data set management for large installations This book addresses both the DB2 administrator and the storage administrator The DB2 administrator can find information about how to use DFSMS for managing DB2 data sets the storage administrator can find information about the characteristics of DB2 data sets and how DB2 uses the disks This book describes optimal use of disk storage functions in DB2 for z OS environments that can best make productive use of the synergy with I O subsystem on IBM System z This book covers the following topics Using SMS to manage DB2 catalog log data indexes image copies archives work files Taking advantage of IBM FlashCopy for DB2 utilities striping copy pools Setting page sizes and using sliding allocation A description of PAV MA MIDAW EF EA EAV zHPF and why they are helpful Compressing data and the use disk and tape for large data sets Backup and restore and remote copy services   Turning Data into Insight with IBM Machine Learning for z/OS Samantha Buhler,Guanjun Cai,John Goodyear,Edrian Irizarry,Nora Kissari,Zhuo Ling,Nicholas Marion,Aleksandr Petrov,Junfei Shen,Wanting Wang,He Sheng Yang,Dai Yi,Xavier Yuen,Hao Zhang,IBM Redbooks,2018-09-11 The exponential growth in data over the last decade coupled with a drastic drop in cost of storage has enabled organizations to amass a large amount of data This vast data becomes the new natural resource that these organizations must tap in to innovate and stay ahead of the competition and they must do so in a secure environment that protects the data throughout its lifecyle and data access in real time at any time When it comes to security nothing can rival IBM Z the multi workload transactional platform that powers the core business processes of the majority of the Fortune 500 enterprises with unmatched security availability reliability and scalability With core transactions and data originating on IBM Z it simply makes sense for analytics to exist and run on the same platform For years some businesses chose to move their sensitive data off IBM Z to platforms that include data lakes Hadoop and warehouses for analytics processing However the massive growth of digital data the punishing cost of security exposures as well as the unprecedented demand for instant actionable intelligence from data in real time have convinced them to rethink that decision and instead embrace the strategy of data gravity for analytics At the core of data gravity is the conviction that analytics must exist and run where the data resides An IBM client eloquently compares this change in analytics strategy to a shift from moving the ocean to the boat to moving the boat to the ocean where the boat is the analytics and the ocean is the data IBM respects and invests heavily on data gravity because it recognizes the tremendous benefits that data gravity can deliver to you including reduced cost and minimized security risks IBM Machine Learning for z OS is one of the offerings that decidedly move analytics to Z where your mission critical data resides In the inherently secure Z environment your machine learning scoring services can co exist with

your transactional applications and data supporting high throughput and minimizing response time while delivering consistent service level agreements SLAs This book introduces Machine Learning for z OS version 1 1 0 and describes its unique value proposition It provides step by step guidance for you to get started with the program including best practices for capacity planning installation and configuration administration and operation Through a retail example the book shows how you can use the versatile and intuitive web user interface to quickly train build evaluate and deploy a model Most importantly it examines use cases across industries to illustrate how you can easily turn your massive data into valuable insights with Machine Learning for z OS   *z/OS Traditional Application Maintenance and Support* Jonathan Sayles,Chris Rayns,Vijay Sankar,John Milne,Deena Stein,Debasish Dash,Ofer Pharhi,IBM Redbooks,2011-06-23 In this IBM Redbooks publication we attempt to provide fresh insight into a problem domain that in the authors opinions has been pushed to the back burner of technology writing for far too long the domain of z OS traditional mainframe maintenance and production support Since the mid 1980 s outside of a few websites and publications this still critical area of software has barely even received lip service by the world of mainstream technology media In a small way we are attempting address this situation In this book we provide information in what and how to sections on the value of z OS maintenance and support not the value of the software which is hardly in question but the value of the software developers and how they collaborate analyze code and test the applications fixes and enhancements under their responsibility We present new 21st Century tools to help them achieve their goals more easily and effectively These tools integrate and provide a 1 1 1 5 value proposition for companies that are still doing work the way they did when in the mid 1970 s when Gerald Ford was president of the United States We are also describing to a lesser extent how you can effectively integrate the new tools with your existing development software stack in order to find points of complimentary functionality And we describe the new agile development and maintenance methodologies and best practices for tools use and adoption We hope that you find this work useful and perhaps that it can fuel more discussion future Redbooks publications and other publications by IBM or any vendor or group interested in this critical and vastly under acknowledged technology domain   **A Guide to JES3 to JES2 Migration** Lydia Parziale,Luiz Fadel,Lutz Kuehner,Ricardo Paranhos,IBM Redbooks,2019-11-06 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 *Streamline Business with Consolidation and Conversion to DB2 for z/OS* Paolo Bruni,Marcos Caurim,Elise Gotay,Susan Lawson,Glenn McGeoch,Rebecca Poole,IBM Redbooks,2014-11-05 Time to market flexibility and cost reduction are among the top concerns common to all IT executives If significant resource investments are placed in mature systems IT organizations need to balance old and new technology Older technology such as non IBM pre relational databases is costly inflexible and non standard Users store their information on the mainframe and thus preserve the skills and qualities of service their business needs But users also benefit from standards based modernization by migrating to IBM DB2 for z OS With this migration users deliver new application features quickly and respond to changing business requirements more effectively When migrating the main decision is choosing between conversion and re engineering Although the rewards associated with rebuilding mature applications are high so are the risks and customers that are embarking on a migration need that migration done quickly In this IBM Redbooks publication we examine how to best approach the migration process by evaluating the environment assessing the application as a conversion candidate and identifying suitable tools This publication is intended for IT decision makers and database administrators who are considering migrating their information to a modern database management system **An Introduction to IMS** Barbara Klein,2012 A complete guide to IBM s Information Management System IMS version 9 including key coverage on security message fomat services system recovery and Java programming Z/OS (MVS) JCL Quick Reference Olivia Carmandi,2004-10-01 Covers JCL syntax many good JCL examples coding DD statements 3 ways to code JCL ESA SMS and z OS JCL updates PROCs and symbolics IEFBR14 IEBGENER IDCAMS DF DSS ICETOOL and SORT Utilities includes best practices and helpful tips to reduce job runtime that are not in other JCL publications A must own for anyone working with JCL IBM WebSphere Application Server V8 Concepts, Planning, and Design Guide Margaret Ticknor,Alan Corcoran,Balazs Csepregi-Horvath,Addison Goering,Jose Pablo Hernandez,Julien Limodin,Sergio Straessli Pinto,IBM Redbooks,2011-09-14 This IBM Redbooks publication provides information about the concepts planning and design of IBM WebSphere Application Server V8 environments The target audience of this book is IT architects and consultants who want more information about the planning and designing of application serving environments from small to large and complex implementations This book addresses the packaging and features in WebSphere Application Server V8 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 V8 and WebSphere Application Server Network Deployment V8 on distributed platforms and for WebSphere Application Server for z OS V8 This book contains information about migration considerations when moving from previous releases z/OS: WebSphere Business Process Management V7 Production Topologies Martin Keen,John Gates,Christian Herrmann,John Hutchinson,Christian Ludvigsen,Kevin Senior,IBM Redbooks,2010-06-07 In this IBM

Redbooks publication we address the configuration administration and security of the key runtime environments in business process management WebSphere Process Server V7 0 and WebSphere Business Services Fabric V7 0 for z OS This book provides detailed guidance to z OS system and database administrators who want to configure WebSphere Business Process Management production topologies We introduce production topology concepts and terminology and explore the differences between production topologies on distributed platforms and z OS Through a series of step by step instructions you will learn how to create and verify a production topology environment for WebSphere Process Server V7 for z OS We extend the production topology concept for WebSphere Process Server by describing step by step how to add WebSphere Business Services Fabric V7 for z OS into the topology You also get problem diagnosis and prevention guidance to use when you create your own production topologies A separate publication that covers distributed platforms is also available WebSphere Business Process Management V7 Production Topologies SG24 7854

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