

z/OS



z/OS Information Roadmap

Version 2 Release 2

z/OS



z/OS Information Roadmap

Version 2 Release 2

Note

Before using this information and the product it supports, read the information in "Notices" on page 75.

This edition applies to Version 2 Release 2 of z/OS (5650-ZOS) and to all subsequent releases and modifications until otherwise indicated in new editions.

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How to send your comments to IBM

We appreciate your input on this publication. Feel free to comment on the clarity, accuracy, and completeness of the information or provide any other feedback that you have.

Use one of the following methods to send your comments:

1. Send an email to mhvrcfs@us.ibm.com.
2. Send an email from the "Contact us" web page for z/OS (<http://www.ibm.com/systems/z/os/zos/webqs.html>).

Include the following information:

- Your name and address.
- Your email address.
- Your telephone or fax number.
- The publication title and order number:
z/OS V2R2 Information Roadmap
SA23-2299-01
- The topic and page number that is related to your comment.
- The text of your comment.

When you send comments to IBM, you grant IBM a nonexclusive right to use or distribute the comments in any way appropriate without incurring any obligation to you.

IBM or any other organizations use the personal information that you supply to contact you only about the issues that you submit.

If you have a technical problem

Do not use the feedback methods that are listed for sending comments. Instead, take one of the following actions:

- Contact your IBM service representative.
- Call IBM technical support.
- Visit the IBM Support Portal at z/OS Support Portal (<http://www-947.ibm.com/systems/support/z/zos/>).

Summary of changes

This information includes terminology, maintenance, and editorial changes. Technical changes or additions to the text and illustrations for the current edition are indicated by a vertical line to the left of the change.

Summary of changes for z/OS Version 2 Release 2 (V2R2)

The following changes are made for z/OS Version 2 Release 2 (V2R2).

New

- z/OS Management Facility (z/OSMF) is a new base element of z/OS. For details about the z/OSMF information, see the topic “IBM z/OS Management Facility” on page 37.
- IBM Knowledge Center for z/OS is a new base element of z/OS. For details about the related information, see the topic “IBM Knowledge Center for z/OS” on page 18.
- IBM OpenSSH is a new base element of z/OS. For details about the related information, see the topic “IBM OpenSSH” on page 18
- IBM HTTP Server - Powered by Apache is a new base element of z/OS. For a link to the related information, see “IBM HTTP Server - Powered by Apache” on page 17.

Changed

- Information about z/OSMF has changed. See the topic about “IBM z/OS Management Facility” on page 37 for details.
- PDF file names and form number levels have been changed for z/OS books that are updated in V2R2. For details, see Chapter 4, “z/OS V2R2 titles and order numbers,” on page 39.

Deleted

The following books were removed in z/OS V2R2:

- z/OSMF Program Directory
- z/OSMF Licensed Information
- z/OS RMF Reference Summary

Summary of changes for z/OS Version 2 Release 2

See the following publications for all enhancements to z/OS Version 2 Release 2(V2R2):

- *z/OS V2R2 Migration*, GA32-0889
- *z/OS Planning for Installation*, GA32-0890
- *z/OS Summary of Message and Interface Changes*, SA23-2300
- *z/OS V2R2 Introduction and Release Guide*, GA32-0887

Chapter 1. Accessing z/OS documentation

z/OS documentation is available on the internet in the IBM Knowledge Center in HTML and PDF formats, and in the IBM Publications Center.

Here are links to the z/OS information in those locations:

- *HTML*: The IBM Knowledge Center provides documentation for z/OS base elements and optional features in HTML format. To find the complete z/OS library there, see IBM Knowledge Center (<http://www.ibm.com/support/knowledgecenter/SSLTBW/welcome>).
- *PDF*: Most z/OS documents are provided in PDF format. The primary purpose for providing PDF files is for printing either a specific topic or the entire publication. You can also view a PDF online, or download one or many to your own repository. To find the z/OS library in PDF format, see IBM Knowledge Center (<http://www.ibm.com/support/knowledgecenter/SSLTBW/welcome>).
- *z/OS collection kits*: Starting with z/OS V2R1, the collection kits are made available to you in electronic format only. The typical reason to download the entire kit is to maintain a private repository of z/OS and related publications. To find z/OS collection kits, see IBM Publications Center (<http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss>).

Accessing PDF information from all formats minimally requires the Adobe Reader. For information about installing and printing with the Adobe Reader, see the Adobe Acrobat Family website (www.adobe.com/prodindex/acrobat).

To see the complete z/OS[®] library, go to IBM Knowledge Center (<http://www.ibm.com/support/knowledgecenter/SSLTBW/welcome>).

Cross-document linking

z/OS books include cross document links to move directly from one softcopy book to another. While you are reading a z/OS book, you can click the highlighted section or title of a referenced z/OS book to open that book. After you read the related material, you can close the referenced book to return to the original book. Linking across documents works for all z/OS documentation. The links are indicated by blue highlighting either under or around the document or topic reference. When you use an intranet or local repository, the linking PDFs must be in the same directory.

When you link from one PDF to another using the Adobe Reader's back button, you return to the original spot in the first PDF. If you use the same link within a browser on the Internet, the browser's back button takes you to the original spot in the first PDF.

Cross-book linking for PDFs also works among the books on the same collection kit. If you maintain your own PDF repository, keep multiple levels of PDFs together in the same directory to minimize unresolved links. PDFs link to each other by file name, and IBM changes a book's file name whenever the document is updated. Therefore, a link from an unchanged PDF might not connect to a new edition of a target book because the new edition has a new file name. However, a link from an unchanged PDF still connects to its original target book.

By contrast, a knowledge center topic links by file name, which typically stays the same from release to release. An unchanged file can usually link successfully to an updated target file. In addition, the z/OS information is indexed by search engines, which provides the ability to find z/OS documentation titles and individual topics with a browser.

Chapter 2. Printing z/OS documents

When you order z/OS, you receive *z/OS Hot Topics Newsletter* in hardcopy format. PDF files provide the best form of printing hardcopy. You can print PDF files with the Adobe Reader, which is available free on the Internet at Adobe Acrobat Family website (www.adobe.com/prodindex/acrobat).

The method that you use to print documents or sections of documents depend on where you access documents.

An established softcopy repository of IBM® information

Information on the internet or from the electronic collection kit.

Starting with z/OS V2R1, the z/OS collection kit, SK4T-4949-00 is an electronic only collection kit of the z/OS publications. The z/OS collection kit, a compressed set of files, is available from IBM Publications Center (<http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss>)

You can print hardcopy of all z/OS softcopy information, whether you are accessing those files from the z/OS Internet library, the IBM Knowledge Center, the electronic collection kit, or a local repository or intranet. For a complete hardcopy document that looks like a traditional publication, print the entire document in PDF format.

The IBM Knowledge Center is better suited for printing topics.

For large or graphically complex documents that must be printed on an Advanced Function Presentation (AFP) printer, you might want to have the host handle the transforms, instead of doing it on the workstation before sending the file. To print PDF files from a host repository, you can use z/OS and the optional Infoprint Server feature to expand your printing options. For more information, see the Infoprint library.

Printing from Adobe Reader

Install an Adobe Reader on your computer. In needed, you can install from the Adobe Acrobat Family website (Adobe Acrobat Family website (www.adobe.com/prodindex/acrobat)) for other readers or more information.

- Open the PDF file that you want to print. The file can be in the IBM Knowledge Center, in the z/OS library, or in any location you can view it with an Adobe Reader.
- Select either the **Print** icon or **File > Print**.
- Select the wanted printer or other print options as appropriate.
- Click **OK**.

If you decide to print a subset of a PDF document, the pages (as understood by Adobe Reader) are sequential. The front cover is page number 1. There are no Roman numeral page numbers for the front matter, and no section numbers. When you specify the pages to print, enter the page numbers from the Reader's point of view. Determine the page number by the box at the bottom of the screen; not how the number shows on the pages of the PDF document.

Printing with a LAN- or host-attached AFP printer

It is not feasible to print large or graphically complex PDF files on the typical desktop or local area network (LAN) attached printer. Use Infoprint Server with Infoprint Transforms to AFP for z/OS (5655-N60) to print high-quality hardcopy of PDF files on high-speed LAN-attached or host-attached AFP printers that are managed by Print Services Facility (PSF) for z/OS.

Workstation users on a LAN connected to z/OS can print PDF files from the web or the LAN. Host users can print PDF files from an MVS™ or zFS data set, such as a host repository of softcopy files, or PDF files that are uploaded from the internet or collection kit. For details, see the documentation for Infoprint Server and Infoprint Transforms in the IBM Knowledge Center (<http://www.ibm.com/support/knowledgecenter/SSLTBW/welcome>).

Chapter 3. z/OS document descriptions

This section contains descriptions of the z/OS publications, organized by element, beginning with the system level z/OS documents.

System level documents

System level documentation contains information that applies to z/OS as a whole, not to a specific element in z/OS.

z/OS Hot Topics Newsletter : Contains articles about the delivery, installation, management, use, and documentation of elements and features.

z/OS V2R2 Information Roadmap (the document you are now reading): Describes the information associated with including system-level documents and documents for the participating and features.

z/OS V2R2 Introduction and Release Guide: Describes the contents and benefits of as well as the planned packaging and delivery of the product. This document includes descriptions of the new functions in each release.

z/OS V2R2 Licensed Program Specifications: The *Licensed Program Specification* for z/OS. It is in PDF format only.

z/OS V2R2 Migration: Provides information on how to migrate to new releases of z/OS.

z/OS Planning for Installation: Helps you write an installation plan by providing the following information:

- Basics of
- Help for deciding on the software installation method
- Driving system software and hardware requirements
- Target system software and hardware requirements
- Minimum levels of stand-alone products that run with

z/OS Planning for Multilevel Security and the Common Criteria: Describes how to set up a secure system across elements to ensure compliance to Common Criteria Certification.

z/OS Planning for Sub-Capacity Pricing: Describes how to plan for and set up your system for subcapacity pricing for IBM products.

z/OS Using the Sub-Capacity Reporting Tool: Describes the Sub-Capacity Reporting Tool. This document is provided in PDF only available from <http://www.ibm.com/systems/z/resources/swprice/subcap/scrt/>.

z/OS Summary of Message and Interface Changes: Describes the changes to messages and interfaces for individual elements of z/OS.

ServerPac: Using the Installation Dialog: Explains how to use the CustomPac installation dialog to install a ServerPac order. This document is shipped only with

ServerPac orders; it is not shipped with any of IBM's CustomPac offerings, such as SystemPac, FunctionPac, ProductPac[®], RefreshPac, or Selective Follow-on Services (SFS).

IBM Health Checker for z/OS User's Guide: Contains information needed to install and use IBM Health Checker for z/OS.

z/OS V2R2 Problem Management: Contains information for how to determine problems and find solutions for z/OS. It contains all the information for Predictive Failure Analysis and Runtime Diagnostics.

BDT File-to-File

z/OS BDT File-to-File Transaction Guide

Explains how to create and submit transactions to copy data sets.

BookManager

This section describes documents for BookManager[®] READ.

IBM BookManager READ/MVS and BUILD/MVS: General Information

Introduces IBM BookManager BUILD/MVS and IBM BookManager READ/MVS, which lets users create and use online documents. This document describes online documents and their similarities to printed documents. It also explains how to create online documents and bookshelves, and lists the requirements for installing and using both IBM BookManager READ/MVS and IBM BookManager BUILD/MVS.

IBM BookManager READ/MVS: Displaying Online Books

Shows how to use the BookManager READ panels to perform the most commonly used functions, such as starting and ending a READ session, searching documents and bookshelves, and printing softcopy information.

IBM BookManager READ/MVS: Getting Started

Helps users get started using the READ/MVS panels to display information online. It shows the actions available on the panels and describes how to perform the most common actions.

IBM BookManager READ/MVS: Installation Planning and Customization

Helps users plan the installation of IBM BookManager READ for use in a environment. It also explains how to customize BookManager READ, which lets you organize, display, and search online documents.

Common Information Model

z/OS Common Information Model User's Guide

Describes the overall CIM data model and how to use it, and also describes the z/OS specific supplements and differences, as well as installation, configuration, and security instructions for z/OS systems.

Communications Server

This section describes documents for the Communications Server.

z/OS V2R2.0 Communications Server: New Function Summary

Describes new IP and SNA function. Helps you plan for IP and SNA, whether you are migrating from a previous version or installing z/OS for the first time. It summarizes what is new in the release and identifies the suggested and required modifications needed to use the enhanced functions.

z/OS V2R1.0 Communications Server: CMIP Services and Topology Agent Guide

Describes the SNA LU 6.2 programming interface for host application programs. It applies to programs that use LU 6.2 sessions.

z/OS V2R2.0 Communications Server: CSM Guide

Describes how to use the communications storage manager.

z/OS V2R2.0 Communications Server: IP and SNA Codes

Describes the codes associated with SNA and IP.

z/OS V2R2.0 Communications Server: IP Sockets Application Programming Interface Guide and Reference

Describes the syntax and options of the socket calls for the C, REXX, Assembler, PL/1, COBOL, PASCAL languages. It also documents how to use the VMCF and XTI interfaces.

z/OS V2R2.0 Communications Server: IP CICS Sockets Guide

Describes how to set up, write application programs for, and diagnose problems with the socket interface for CICS® using IP.

z/OS V2R2.0 Communications Server: IP Configuration Guide

Contains concepts and guidance, explaining an overall approach to IP configuration.

z/OS V2R2.0 Communications Server: IP Configuration Reference

Describes parameters and options, syntax of statements used during configuration.

z/OS V2R2.0 Communications Server: IP Diagnosis Guide

Provides information about diagnosing problems occurring in IP networks. It can help you determine if a specific problem is an IP problem and also tells you how to report it to the IBM Software Support Center.

z/OS V2R1.0 Communications Server: IP IMS Sockets Guide

Describes how to write application programs that use the IMS™ IP application development services provided by IP.

z/OS V2R2.0 Communications Server: IP Messages Volume 1 (EZA)

Describes the messages beginning with the prefix EZA that occur in IP. This document can also help with problem determination in an IP implementation.

z/OS V2R2.0 Communications Server: IP Messages Volume 2 (EZB, EZD)

Describes the messages beginning with the prefix EZB and EZD that occur in IP. This document can also help with problem determination in an IP implementation.

z/OS V2R1.0 Communications Server: IP Messages Volume 3 (EZY)

Describes the messages beginning with the prefixes: EZY that occur in IP. This document can also help with problem determination in an IP implementation.

z/OS V2R2.0 Communications Server: IP Messages Volume 4 (EZZ, SNM)

Describes the messages beginning with the prefixes: EZZ and SNM that occur in IP. This document can also help with problem determination in an IP implementation.

z/OS V2R2.0 Communications Server: IPv6 Network and Appl Design Guide

Describes concepts of z/OS Communications Server's support of IPv6, coexistence with IPv4, and migration issues. It is intended for programmers and system administrators who are familiar with TCP/IP, MVS, UNIX System Services, and TSO/E.

z/OS V2R1.0 Communications Server: IP Network Print Facility

Describes how to customize and use a print feature for IP. This feature takes print request from a SNA or JES and uses IP to route them to remote printers.

z/OS V2R2.0 Communications Server: IP Programmer's Guide and Reference

Describes the syntax and use of high-level application functions that enable you to write your own applications in an IP environment. The functions include authenticating access, use of distributed databases, distributed processing, network management, and device sharing (SNMP, X Windows, RPC, and NCS).

z/OS V2R2.0 Communications Server: IP System Administrator's Commands

Describes common IP commands used during system administration and configuration.

z/OS V2R2.0 Communications Server: IP User's Guide and Commands

Describes the end user functions and commands supported by IP, such as Telnet, FTP, and SMTP.

z/OS V2R2.0 Communications Server: Quick Reference

Contains essential information about SNA and IP operator commands.

z/OS V2R1.0 Communications Server: SNA Customization

Provides information that enables you to customize SNA by modifying tables and creating installation-wide exit routines.

z/OS V2R2.0 Communications Server: SNA Diagnosis Vol 1, Techniques and Procedures

Helps you identify a SNA problem, classify it, and collect information about it before you call the IBM Support Center. The information collected includes traces, dumps, and other problem documentation.

z/OS V2R2.0 Communications Server: SNA Diagnosis Vol 2, FFST Dumps and the VIT

Helps you identify a SNA problem, classify it, and collect information about it before you call the IBM Support Center. The information collected includes using FFST™ dumps and interpreting VIT records.

z/OS V2R2.0 Communications Server: SNA Messages

Describes messages, beginning with the prefixes ELM, IKT, IST, ISU, IUT, IVT and USS, and other information associated with SNA messages.

z/OS V2R2.0 Communications Server: SNA Network Implementation Guide

Presents the major concepts involved in implementing a SNA network.

z/OS V2R2.0 Communications Server: SNA Operation

Serves as a reference for programmers and operators who need detailed information about specific operator commands. The information includes:

- SNA commands and start options
- Logon manager commands
- DISPLAY output examples
- VSCS commands.

z/OS V2R2.0 Communications Server: SNA Programmer's LU 6.2 Guide

Describes the SNA LU 6.2 programming interface for host application programs. It applies to programs that use LU 6.2 sessions.

z/OS V2R1.0 Communications Server: SNA Programmer's LU 6.2 Reference

Provides reference material for the SNA LU 6.2 programming interface for host application programs.

z/OS V2R1.0 Communications Server: SNA Programming

Describes how to use SNA macro instructions to send data to and receive data from a terminal or another application.

z/OS V2R2.0 Communications Server: SNA Resource Definition Reference

Describes each SNA definition statement, start option, and macro instruction. It also describes NCP definition statements that affect SNA.

z/OS V2R1.0 Communications Server: SNA Resource Definition Samples

Contains the VTAM® definition statements to help system programmers define resources in a VTAM network. Use this document in conjunction with the VTAM Network Implementation Guide and the Resource Definition Reference.

z/OS Communications Server: ACF/TAP Trace Analysis Handbook

Describes how to gather the trace data collected and stored in the host

processor, and how to use the Advanced Communications Function/Trace Analysis Program (ACF/TAP) service aid to produce reports for analyzing the trace data information.

z/OS V2R1.0 Communications Server Glossary

Provides terms and definitions for the z/OS Communications Server software and products.

Cryptographic Services

This section describes documents for Cryptographic Services, including ICSF, Open Cryptographic Services Facility, System Secure Sockets Layer (SSL) base, and PKI.

z/OS Cryptographic Services ICSF Administrator's Guide

Explains how to administer ICSF. It describes managing cryptographic keys, entering keys into the Cryptographic Key Data Set (CKDS) and using the key generator utility program (KGUP).

z/OS Cryptographic Services ICSF Writing PKCS #11 Applications

Describes the support for PKCS #11 provided by the z/OS Integrated Cryptographic Service Facility (ICSF). This document is primarily intended for application programmers who want to write PKCS #11 applications for z/OS.

z/OS Cryptographic Services ICSF Application Programmer's Guide

Describes the callable services provided by ICSF. It is helpful to application programmers using the security application programming interface (API) to access cryptographic functions.

z/OS Cryptographic Services ICSF Messages

Explains the ICSF messages and the routing and descriptor codes for those messages.

z/OS Cryptographic Services ICSF Overview

Introduces ICSF and provides information about the capabilities and benefits of using cryptographic services in a environment.

z/OS Cryptographic Services ICSF System Programmer's Guide

Explains how to initialize and customize ICSF. It also contains information and problem diagnosis information.

z/OS Cryptographic Services ICSF TKE Workstation User's Guide

Explains installing, implementing and administering the IBM Trusted Key Entry product. It is intended for anyone who manages cryptographic keys, usually a security administrator. It includes information to support the following tasks for the solution:

- Planning
- Installing
- Administering
- Customizing
- Using

z/OS Cryptographic Services System SSL Programming

Contains guidance and reference information that an application programmer needs to use the System Secure Sockets Layer (SSL) callable services programming interfaces. SSL is a communications layer that provides data privacy and integrity as well as server and client authentication based on public-key certificates. The callable services programming interfaces provide protected communications over a TCP/IP socket communication path.

z/OS Cryptographic Services PKI Services Guide and Reference

Provides detailed procedures for planning, setting up, and using PKI Services. It also includes messages, log information, and coding samples.

DFSMS

This section describes documents for DFSMSdfp, DFSMSdss, DFSMShsm, and DFSMSrmm, and DFSMStvs.

z/OS DFSMS Using the New Functions

This book provides an introduction and step-by-step instructions for implementing the new functions in DFSMS, including functions of DFSMSdfp, DFSMSdss, DFSMShsm, DFSMSrmm, and DFSMStvs.

z/OS DFSMS Access Method Services Commands

Describes IDCAMS commands for using integrated catalog facility catalogs.

z/OS DFSMS Advanced Copy Services

Provides an introduction and instructions for implementing and using the remote copy disaster recovery and workload migration tool.

z/OS DFSMSdfp Checkpoint/Restart

Contains information on establishing checkpoints during a program and restarting a job.

z/OS DFSMS DFM Guide and Reference

Contains information about accessing and creating MVS data sets from remote systems.

z/OS DFSMS Implementing System-Managed Storage

Describes tasks for migrating to system-managed storage and optimizing use of the storage management subsystem.

z/OS DFSMS Installation Exits

Contains instructions on exit routines and modules that extend or replace IBM-supplied functions.

z/OS DFSMS Introduction

Provides an overview of DFSMS.

z/OS DFSMS Macro Instructions for Data Sets

Contains access method macro instructions for processing user data sets.

z/OS DFSMS Managing Catalogs

Describes techniques for managing integrated catalog facility catalogs.

z/OS DFSMSdfp Storage Administration

This book merges information previously contained in the Storage Administration References for DFSMSdfp, dss , and hsm. Contains instructions for initializing and maintaining the storage management subsystem and for performing storage management tasks using ISMF panels.

Describes DFSMSdss tasks for copying, dumping, and restoring data sets and DASD volumes, and diagnosis information, including keyword search strings and other diagnostic tools.

Describes DFSMSShsm tasks for managing storage, including examples of storage administrator commands and results of DFSMSShsm processing. Also contains information about disaster prevention and the recovery of DFSMSShsm data based on real experiences.

z/OS DFSMS Software Support for IBM System Storage TS1140, TS1130, and TS1120 Tape Drives (3592)

This book describes the installation, migration, and operation of the IBM TotalStorage Enterprise Tape System 3592 software support.

z/OS DFSMS Using Data Sets

Describes techniques for processing, protecting, and maintaining user data sets.

z/OS DFSMS Using the Interactive Storage Management Facility

Describes commands and techniques for using ISMF to analyze and manage data resources.

z/OS DFSMS Using Magnetic Tapes

Describes techniques for using magnetic tape volumes.

z/OS DFSMS Using the Volume Mount Analyzer

Contains instructions for analyzing tape mounts with the Volume Mount Analyzer.

DFSMSdfp

z/OS DFSMSdfp Advanced Services

Provides techniques for extending DFSMS/MVS data management capabilities and other system data operations.

z/OS DFSMSdfp Diagnosis

Contains information for diagnosing DFSMSdfp-related errors, and guidance for using DFSMSdfp diagnostic tools and aids to gather failure-related information.

z/OS DFSMS OAM Application Programmer's Reference

Contains information about the OAM application interface used to manipulate objects.

z/OS DFSMS OAM Planning, Installation, and Storage Administration Guide for Object Support

Contains OAM planning, installation, customizing, and storage management information for optical libraries.

z/OS DFSMS OAM Planning, Installation, and Storage Administration Guide for Tape Libraries

Contains OAM planning, installation, customizing, and storage management information for tape libraries.

z/OS DFSMSdfp Utilities

Contains instructions for using DFSMSdfp utility programs for data, program, and device management.

DFSMSdss

z/OS DFSMSdss Storage Administration

Describes DFSMSdss tasks for copying, dumping, and restoring data sets and DASD volumes, and diagnosis information, including keyword search strings and other diagnostic tools.

DFSMShsm

z/OS DFSMShsm Diagnosis

Provides diagnosis information for DFSMShsm, including instructions for building keyword search strings and other diagnostic tools. Contains information about the DFSMShsm control blocks and data areas used during diagnostic and maintenance procedures.

z/OS DFSMShsm Implementation and Customization Guide

Provides guidance for creating and maintaining DFSMShsm-owned data sets, including migration and coexistence considerations.

z/OS DFSMShsm Managing Your Own Data

Contains DFSMShsm user macros and user command syntax, conventions, and coding examples.

z/OS DFSMShsm Storage Administration

Describes DFSMShsm tasks for managing storage, including examples of storage administrator commands and results of DFSMShsm processing. Also contains information about disaster prevention and the recovery of DFSMShsm data based on real experiences.

DFSMSrmm

z/OS DFSMSrmm Application Programming Interface

Describes how to use the DFSMSrmm Application Programming Interface to obtain information about DFSMSrmm resources.

z/OS DFSMSrmm Diagnosis Guide

Contains information for diagnosing DFSMSrmm-related errors, including how to use DFSMSrmm diagnostic tools.

z/OS DFSMSrmm Managing and Using Removable Media

Provides instructions for using DFSMSrmm to manage removable media.

z/OS DFSMSrmm Implementation and Customization Guide

Contains information about implementing and customizing the functions of DFSMSrmm.

z/OS DFSMSrmm Reporting

This document provides information about creating reports in DFSMSrmm using DFSMSrmm reporting utilities, DFSORT and DFSORT's ICETOOL, DFSMSrmm TSO subcommands, and REXX EXECs.

DFSMSStvs

z/OS DFSMSStvs Administration Guide

Provides reference and guidance information for many of the major tasks that a user might need to perform when using DFSMS Transactional VSAM Services (DFSMSStvs).

This document helps you:

- Understand certain functions such as VSAM RLS, and the manner in which DFSMSStvs relates to these functions and builds upon them
- Learn about the migration tasks that you must complete
- Perform tasks such as customizing, administering, and operating DFSMSStvs, as well as diagnosing problems related to DFSMSStvs

z/OS DFSMSStvs Planning and Operating Guide

Provides system programmers, application programmers, and operators who are responsible for customizing, writing applications for, and operating DFSMSStvs with information about:

- Using DFSMSStvs to share VSAM data for concurrent batch updates
- Installing and operating DFSMSStvs
- Designing and coding applications to use DFSMSStvs
- Diagnosing and recovering from DFSMSStvs problems.

DFSORT

This section describes documents for DFSORT.

z/OS DFSORT Application Programming Guide

This guide gives you the necessary information to use DFSORT to sort, merge, and copy data sets, including how to prepare DFSORT control statements, how to calculate storage requirements, and how to use the program exits. It also contains examples of DFSORT control statements and program exit routines.

z/OS DFSORT: Getting Started

This document is intended to help you get started using DFSORT to sort, merge, and copy data sets. It also contains step-by-step procedures for writing applications.

z/OS DFSORT Installation and Customization

This guide is intended to help you install and customize DFSORT. It is designed to be used with the DFSORT Program Directory, which contains the installation procedures.

z/OS DFSORT Messages, Codes and Diagnosis Guide

This document is intended to help you interpret informational and error messages issued by DFSORT. It contains explanations of and possible responses to these messages. It also contains the return codes and diagnostic messages issued by DFSORT. It shows you how to describe DFSORT program failures with a set of keywords used by the support center.

z/OS DFSORT Tuning Guide

This guide provides you with information about tuning DFSORT. It offers suggestions for reducing the use of system resources and achieving better turnaround time for applications that use DFSORT.

Distributed File Service

This section describes documents for Distributed File Service (DFS).

z/OS Distributed File Service Messages and Codes

Contains Distributed File Service messages and codes.

z/OS Distributed File Service SMB Administration

Provides guidance and reference information for system and network administrators to use when they work with the Server Message Block (SMB) support of Distributed File Service. SMB is a protocol for remote file and print access used by Windows.

z/OS Distributed File Service zFS Administration

Provides guidance and reference information for system and network administrators to use when they work with the z/OS File System support of Distributed File Service.

EREP

This section describes documents for EREP.

EREP Reference

Provides supplementary material to the User's Guide, including an overview of EREP parameters, control statements, and records; a listing of EREP messages and codes; examples of all types of output reports; and product dependent information about all supported IBM devices.

EREP User's Guide

Contains detailed instructions and sample procedures for setting up and running EREP in VM, VSE, and MVS environments.

Graphical Data Display Manager (GDDM)

To find all documents for GDDM (including PCLK and OS/2 Link) and GDDM-REXX, see Graphical Data Display Manager website (www.ibm.com/software/applications/gddm/library/).

Hardware Configuration Definition

This section describes documents for Hardware Configuration Definition (HCD).

z/OS and z/VM HCD Messages

Describes the messages issued by HCD.

z/OS HCD Planning

Explains the concepts, actions, and general planning considerations needed to define and maintain an I/O configuration using HCD.

HCD Reference Summary

Provides a short overview of HCD tasks, navigation options, and information about online help. It also describes the relations among the configuration objects and lists the actions and action codes for each object.

Contains about 20 scenarios of common hardware configuration tasks.

z/OS HCD User's Guide

Explains how to use HCD to define, activate, modify or view hardware configurations, and query supported hardware. HCD also permits you to maintain and compare IODFs, obtain graphical and textual reports of configurations, and migrate existing configuration data.

Hardware Configuration Manager

This section describes the document for Hardware Configuration Manager (HCM).

z/OS and z/VM HCM User's Guide

Explains how to install and use HCM to create, manage and maintain hardware configuration information.

High Level Assembler

This section describes documents for High Level Assembler and the High Level Assembler Toolkit feature.

HLASM General Information

Provides an overview of High Level Assembler.

HLASM Installation and Customization Guide

Contains installation, customization, diagnosis, and maintenance information for High Level Assembler.

HLASM Language Reference

Contains language reference information to help users code High Level Assembler language programs.

HLASM Programmer's Guide

Contains High Level Assembler product usage information.

High Level Assembler Toolkit

HLASM Toolkit Feature Debug Reference Summary

Provides a reference summary to help users debug assembler language applications.

HLASM Toolkit Feature Installation and Customization Guide

Contains information for installing and maintaining the High Level Assembler Toolkit Feature.

HLASM Toolkit Feature Interactive Debug Facility User's Guide

Contains both reference and guidance information for using the High Level Assembler Toolkit Feature Interactive Debug Facility.

HLASM Toolkit Feature User's Guide

Contains information for using all components of the High Level Assembler Toolkit Feature (other than the Interactive Debug Facility).

IBM HTTP Server - Powered by Apache

This section describes the information for IBM HTTP Server - Powered by Apache.

z/OS V2R2.0 HTTP Server - Powered by Apache User's Guide

Explains how to migrate to, install, configure, secure and use IBM HTTP Server - Powered by Apache.

For more information about the HTTP Server - Powered by Apache, see WebSphere Application Server Library (<http://www.ibm.com/software/webservers/appserv/was/library/>).

IBM Encryption Facility

This section describes documents for the z/OS related feature, Encryption Facility.

IBM Encryption Facility for z/OS: Planning and Customizing

This document explains how to plan for the Encryption Facility product, including Encryption Services, Encryption Facility for z/OS Client, Encryption Facility for OpenPGP, and DFSMSdss Encryption. It also provides detailed information for the Encryption Services CSDFILEN and CSDFILDE batch programs.

IBM Encryption Facility for z/OS: Using Encryption Facility for OpenPGP

This document explains how to use Encryption Facility for OpenPGP, which is part of the product feature, IBM® Encryption Services included in

IBM Encryption Facility for z/OS. It is intended for anyone who plans, installs, customizes, administers, and uses Encryption Facility for OpenPGP.

IBM Encryption Facility for z/OS: User's Guide

This document explains how to plan for the Encryption Facility product, including Encryption Services, Encryption Facility for z/OS Client, Encryption Facility for OpenPGP, and DFSMSdss Encryption. It also provides detailed information for the Encryption Services CSDFILEN and CSDFILDE batch programs.

IBM Knowledge Center for z/OS

This section describes the documents for IBM Knowledge Center for z/OS.

IBM Knowledge Center for z/OS provides a way to set up a local information repository on your z/OS system. Installing the IBM z/OS version of IBM Knowledge Center helps ensure your enterprise has ready access to the information that you need to run your z/OS system, on your z/OS system.

IBM Knowledge Center for z/OS Configuration and User Guide

This document provides information for anyone who needs to set up and use IBM Knowledge Center for z/OS. This document assumes that you are familiar with the z/OS operating system and its associated products.

IBM OpenSSH

This section describes the documents for IBM OpenSSH.

z/OS V2R2 OpenSSH User's Guide

This document provides information for anyone who needs to set up and use IBM OpenSSH. This document assumes that you are familiar with the z/OS operating system and its associated products.

IBM Tivoli Directory Server

This section describes document supporting IBM Tivoli Directory Server.

z/OS IBM Tivoli Directory Server Client Programming for z/OS,

This document describes the Lightweight Directory Access Protocol (LDAP) client application, which is part of IBM Tivoli Directory Server for z/OS. It is intended for application programmers who have previous knowledge of directory services.

z/OS IBM Tivoli Directory Server Administration and Use for z/OS

This document describes the LDAP server which supports Lightweight Directory Access Protocol (LDAP) and runs as a stand-alone daemon. It is based on a client/server model that provides client access to an LDAP server. The LDAP server provides an easy way to maintain directory information in a central location for storage, updating, retrieval, and exchange. It is intended to assist LDAP administrators. LDAP

administrators should be experienced and have previous knowledge of directory services. It is also intended for anyone that will be implementing the directory service.

z/OS IBM Tivoli Directory Server Messages and Codes for z/OS

This document includes the messages and reason codes produced by the Lightweight Directory Access Protocol (LDAP) server.

z/OS IBM Tivoli Directory Server Plug-in Reference for z/OS

This document describes writing Lightweight Directory Access Protocol (LDAP) client applications, which are part of IBM Tivoli Directory Server for z/OS. It is intended for application programmers who have previous knowledge of directory services.

ICKDSF

This section describes the document for ICKDSF.

Device Support Facilities (ICKDSF) User's Guide and Reference

Includes information about how to perform service functions, error detection, and media maintenance for IBM DASD. It also includes a summary of ICKDSF commands that support error detection and media maintenance on IBM DASD.

Infoprint Server

This section describes documents for Infoprint Server and Infoprint Server Transforms. Major components of Infoprint Server are IP PrintWay, NetSpool, Print Interface, Printer Inventory Manager, Transform Manager, and Infoprint Central.

z/OS Infoprint Server Printer Inventory for PSF

Describes the Infoprint Server Printer Inventory for Print Services Facility (PSF), which lets PSF for z/OS customers who do not purchase Infoprint Server define PSF functional subsystems in the Printer Inventory. It describes how to customize Infoprint Server, start and stop Infoprint Server, administer the Printer Inventory for PSF, and diagnose problems in Infoprint Server. Note: PSF customers who purchase Infoprint Server should use the other books in the Infoprint Server library.

z/OS Infoprint Server Introduction

Provides an overview of Infoprint Server for executives and technical personnel.

z/OS Infoprint Server Customization

Describes for the system administrator how to customize Infoprint Server. It describes required environment variables, configuration files, how to write IP PrintWay and NetSpool exit routines, Print Interface filter programs, and the Print Interface API.

z/OS Infoprint Server Messages and Diagnosis

Contains messages and abend codes issued by Infoprint Servers. It also describes how to diagnose problems in Infoprint Server.

z/OS Infoprint Server Operation and Administration

Describes for the operator and system administrator how to start and stop Infoprint Server, how to use Infoprint Central, and how to set up and maintain the Infoprint Server Printer Inventory, which contains all printer information required by Infoprint Server and its components.

z/OS Infoprint Server User's Guide

Describes user tasks for Infoprint Server. This document describes how to submit print jobs from remote systems (including Windows systems), the local z/OS system, and Virtual Telecommunications Access Method (VTAM) applications. It describes z/OS UNIX commands; the AOPPRINT JCL procedure; the AOPBATCH program; DD and OUTPUT JCL parameters that Infoprint Server supports; and how to download and install the Infoprint Port Monitor for Windows.

IBM Infoprint Transforms to AFP for z/OS

This book describes V2.3 of IBM Infoprint Transforms to AFP for z/OS (5655-N60). It describes the transforms and how to customize them, submit transform jobs, and diagnose errors.

IBM Infoprint XT for z/OS

Describes IBM Infoprint XT for z/OS (5655-O15), a data stream transform that uses IBM Xerox transform (XT) technology to convert Xerox data to Advanced Function Presentation (AFP) format.

This book describes V1.1 of these products:

- IBM Print Transform from AFP to PCL for Infoprint Server for z/OS (5655-TF2)
- IBM Print Transform from AFP to PDF for Infoprint Server for z/OS (5655-TF1)
- IBM Print Transform from AFP to PostScript for Infoprint Server for z/OS (5655-TF3)

It describes the transforms and how to customize them, submit transform jobs, and diagnose errors.

Integrated Security Services

This section describes documents for the Integrated Security Services, including Enterprise Identity Mapping, Network Authentication Service, and Open Cryptographic Services Facility.

z/OS Integrated Security Services EIM Guide and Reference

This document contains information about using Enterprise Identity Mapping (EIM). EIM is an architecture that serves as a security technology to make it easier to manage users in a cross-platform environment.

z/OS Integrated Security Services Network Authentication Service Administration

Provides an introduction to the implementation of Kerberos Version 5 from MIT, as well as configuration and administration information, including the few administration commands needed. It also includes status codes and messages.

z/OS Integrated Security Services Network Authentication Service Programming

Contains all of the application programming interfaces (APIs): Kerberos, GSS-API, and GSS-API with Kerberos mechanism, for the implementation of Kerberos Version 5 from MIT.

Integrated Security Services Open Cryptographic Enhanced Plug-ins Application Programming

Describes the OCEP service provider modules and how they are intended to be used with the framework provided by the Open Cryptographic Services Facility (OCSF). It also describes how these service provider modules enable daemon applications to use RACF® to provide security functions relating to digital certificates.

z/OS Open Cryptographic Services Facility Application Programming

Provides an overview of the Open Cryptographic Services Facility (OCSF). It explains how to integrate OCSF into applications and contains a sample OCSF application. It also defines the interfaces that application developers employ to access security services provided by the OCSF framework and service provider modules. It also describes specific information about the individual service providers.

z/OS Open Cryptographic Services Facility Service Provider Module Developer's Guide and Reference

Describes the features common to all OCSF service provider modules. It defines the interfaces for certificate, trust and data library service providers. Service provider developers must conform to these interfaces for the individual service provider modules to be accessible through the OCSF framework.

ISPF

This section describes documents for ISPF.

z/OS V2R2 ISPF Dialog Developer's Guide and Reference

Describes how to use the ISPF Dialog Manager component. Explains how to create ISPF panels using Dialog Tag Language (DTL), control ISPF sessions, use ISPF facilities and services, and define ISPF panel messages and file tailoring skeletons.

z/OS V2R2 ISPF Dialog Tag Language Guide and Reference

Explains how to use the Dialog Tag Language (DTL) to design and create ISPF dialogs containing elements such as application panels, help panels, variables, fields, messages, command tables and key lists. It also includes an alphabetical reference guide to DTL tags.

z/OS V2R2 ISPF Edit and Edit Macros

Explains how to use the ISPF editor and how to use, write and test edit macros. Includes an alphabetical reference guide to edit line, primary, and macro commands available for ISPF.

z/OS V2R2 ISPF Messages and Codes

Provides information for ISPF users about error messages and codes issued by ISPF, PDF, and SCLM.

z/OS V2R2 ISPF Planning and Customizing

Provides planning information and procedures.

z/OS V2R2 ISPF Reference Summary

Provides a quick reference for application developers and library administrators to ISPF services and variables, edit macro commands, SCLM services and macros, and DTL tags.

z/OS V2R2 ISPF Services Guide

Describes how to use ISPF Dialog Management services and PDF Services to develop dialogs, including information about each service such as syntax, return codes, and examples.

z/OS V2R2 ISPF Software Configuration and Library Manager Guide and Reference

Describes how to set up and maintain an SCLM project environment, and how programmers can use SCLM functions to control development projects.

z/OS V2R2 ISPF User's Guide Vol I

Describes the ISPF user interface and introduces ISPF concepts and functions including commands, libraries, and data sets.

z/OS V2R2 ISPF User's Guide Vol II

Provides detailed reference and usage information about using ISPF options 0 to 11 and the SuperC and Search-For data set utilities.

JES

This section describes documents that are shared between JES2 and JES3.

z/OS JES3 Commands

This document describes the application programming of JES2 and JES3. This document provides the information that you need to:

- Use the Spool Data Set Browse.
- Use the Server/Client Print Interface.
- Use the Internal Reader.
- Use the IBM-supplied External Writer.

JES2

This section describes documents for JES2.

z/OS JES2 Commands

Provides the system console operator and system programmer with the information required to control JES2. The document presents task-oriented material required to use JES2 commands to perform various tasks and a reference section that presents all JES2 commands in alphabetic order.

z/OS JES2 Diagnosis

Describes the use of JES2 diagnostic aids and tools and how to interpret the output of those aids and tools. The document helps the system programmer to identify a problem, collect information about the problem, report the problem to IBM, and fix the problem.

z/OS JES2 Initialization and Tuning Guide

Describes the general functions of JES2 and provides information about JES2 initialization, JES2 processing, network job entry (NJE), remote job entry (RJE), and factors affecting performance.

Its companion document, *z/OS JES2 Initialization and Tuning Reference* describes the JES2 initialization statements in detail.

z/OS JES2 Initialization and Tuning Reference

Describes the JES2 initialization statements and their parameters and provides summary or overview charts of the statements.

z/OS JES2 Installation Exits

Provides system programming information about the use of IBM-defined and installation-defined JES2 exit routines. It describes how to establish JES2 exit routines to tailor JES2 without source code modification.

z/OS JES2 Introduction

Provides a high-level overview of JES2, its functions, and its relationship to other MVS components. It also provides an overview of JES2 initialization, operation, and customization and diagnostic techniques.

z/OS JES2 Macros

Provides information about the use and syntax of JES2 executable macro instructions.

z/OS JES2 Messages

Describes JES2 messages and suggests appropriate operator, system programmer, and application programmer responses.

JES3

This section describes documents for JES3.

z/OS JES3 Commands

Describes the commands used to operate JES3 and provides system operators and system programmers with the information required to control JES3. This document contains task-oriented material required to use JES3 commands to perform various tasks and a reference section in which all JES3 commands are presented in alphabetic order.

z/OS JES3 Customization

Provides information on customizing JES3 through the use of dynamic support programs (DSPs) and installation exits. The document explains how to write a DSP and an installation exit routine and describes the JES3 macros available.

z/OS JES3 Diagnosis

Provides information on tools for diagnosing JES3 and user-written extensions of JES3.

z/OS JES3 Diagnosis Reference

Contains interactive problem control system (IPCS) information pertinent to JES3, control block chaining, module tables, and mapping macro tables.

z/OS JES3 Initialization and Tuning Guide

Provides guidance information required to install, initialize, customize, and tune JES3.

z/OS JES3 Initialization and Tuning Reference

Provides reference information required to install, initialize, customize, and tune JES3.

z/OS JES3 Introduction

Provides overview information about JES3 including the various processor and device combinations under which JES3 operates. This document also describes JES3 features of interest to an operator, an application programmer, and a system programmer.

z/OS JES3 Messages

Describes JES3 messages and suggests appropriate operator, system programmer, and application programmer responses.

Language Environment

This section describes documents for Language Environment®.

z/OS V2R1.0 Language Environment Concepts Guide

Introduces Language Environment architecture, a system of constructs and interfaces that provides a common runtime environment and runtime services for all Language Environment-conforming programming language products (those products that adhere to Language Environment's common interface).

z/OS Language Environment Customization

Explains how to customize and maintain Language Environment for .

z/OS Language Environment Debugging Guide

Explains how to debug applications that run with Language Environment, get details on runtime messages, and diagnose problems with Language Environment. Provides assistance with detecting and locating programming errors that occur during runtime under Language Environment. It can help you establish a debugging process to analyze data and narrow the scope and location of where an error might have occurred. You can read about how to prepare a routine for debugging, how to classify errors, and how to use the debugging facilities provided by Language Environment. Also included are chapters on debugging HLL-specific routines and routines that run under CICS.

z/OS Language Environment Programming Guide

Describes how to:

- Prelink, link, and run (under MVS, TSO/E, or UNIX System Services) single-language applications written in IBM C, C++, COBOL, PL/I, Fortran, and assembler.
- Effectively use Language Environment callable services and runtime options.
- Understand and use Language Environment initialization and termination, program management, storage management, condition handling, NLS, Date/Time, and locale support.

z/OS V2R1.0 Language Environment Programming Guide for 64-bit Virtual Addressing Mode

Describes how to:

- Prelink, link, and run single-language applications using 64-bit virtual addressing mode and written in IBM C, C++, and assembler.
- Effectively use Language Environment callable services and runtime options for 64-bit addressing.
- Understand and use Language Environment initialization and termination, program management, storage management, condition handling, NLS, Date/Time, and locale support.

z/OS Language Environment Programming Reference

Provides application programmers with a detailed description of each Language Environment runtime option and callable service, as well as information on how to use them. It also provides programming examples that illustrate how each callable service can be used in routines written in Language Environment-conforming high-level languages (HLLs) and assembler language.

z/OS Language Environment Runtime Messages

Contains runtime messages and return codes for Language Environment and supported high-level languages, including C/C++. Fortran, PL/I, VisualAge® PL/I, and COBOL.

z/OS V2R1.0 Language Environment Runtime Application Migration Guide

Provides an overview of the steps required to migrate applications for use with Language Environment. This document is designed to help you create a broad migration strategy. This document will help you identify which modules can be migrated first, and which will require relinking or recompiling. It also explains how to use Language Environment runtime options to achieve behavior that is compatible with your old modules.

The following runtime migration guides for specific languages are also provided in softcopy on the Collection.

- *z/OS C/C++ Enterprise COBOL for z/OS, V4R1 Compiler and Runtime Migration Guide (GC23-8527)*
- *z/OS XL C/C++ Compiler and Runtime Migration Guide for the Application Programmer (GC09-4913)*
- *Enterprise COBOL for z/OS and OS/390 Migration Guide (GC27-1409)*
- *Enterprise PL/1 for z/OS and OS/390 Migration Guide (GC27-1458)*

- *VisualAge PL/I for OS/390 Compiler and Run-Time Migration Guide* (SC26-9474)
- *PL/I for MVS & VM Compiler and Run-Time Migration* (SC26-3118)
- *Language Environment for MVS & VM Fortran Run-Time Migration Guide* (SC26-8499)

z/OS V2R1.0 Language Environment Writing Interlanguage Communication Applications

Describes how to create and run applications that contain interlanguage communication with Language Environment.

z/OS Language Environment Vendor Interfaces

Documents the set of low-level interfaces, or compiler-writer interfaces (CWIs), that can be used between the common runtime component and C, C++, COBOL, Fortran, PL/I, VisualAge PL/I, and other member runtime components of Language Environment.

Library Server

This section describes documents for Library Server, previously known as BookManager BookServer.

Library Server: Getting Started

Describes the features of the BookManager BookServer product for Web servers. It provides information for both administrators and users. With IBM BookManager BookServer, administrators can create a library of BookManager electronic documents and make it available on the Internet. Users can read and search for information in these electronic documents using any Web browser such as Netscape.

Library Server: Getting Started

Describes the z/OS Library Server and how to use and configure the z/OS LibraryCenter.

Metal C Runtime Library

This section describes the document that supports Metal C Runtime Library.

z/OS Metal C Programming Guide and Reference

Provides instructions for users of the z/OS or z/OS.e C/C++ compiler who are using the Metal C compiler option. It contains an introduction, descriptions of C functions and header files, an appendix on stack requirements, It also contains advanced guidelines and information for developing C and C++ programs to run on the z/OS or z/OS.e operating systems.

MVS

This section describes documents for MVS, which is sometimes also called the Base Control Program (BCP).

z/OS Batch Runtime Planning and User's Guide

Describes COBOL and Java interoperability and explains how your

installation can: Convert existing COBOL applications to Java Enhance COBOL code with Java methods Share access to DB2.

z/OS MVS Capacity Provisioning User's Guide

Describes capacity planning on z/OS.

z/OS MVS Device Validation Support

Describes the requirements for I/O devices that are not supported.

z/OS MVS Diagnosis: Reference

Provides system reference material needed for diagnosing system problems. It describes the problem data that is available in dumps and traces and also explains how to request and format that data.

z/OS MVS Diagnosis: Tools and Service Aids

Describes how to use IBM tools (such as dumps and traces) and service aid programs (LIST and SPZAP) to diagnose and fix problems in system and application programs.

z/OS MVS Dump Output Messages

Provides a single dump message reference for the interactive problem control system (IPCS), the MVS components that provide IPCS formatters, and TSO/E.

z/OS MVS Initialization and Tuning Guide

Contains information about tasks related to MVS initialization, with a major focus on the use of SYS1.PARMLIB to manage system resources. Its companion document, *z/OS MVS Initialization and Tuning Reference*, describes the members of SYS1.PARMLIB in detail.

z/OS MVS Initialization and Tuning Reference

Describes the function, use, and format of each member of SYS1.PARMLIB. It contains reference information related to many MVS components and to other products. Its companion document, *z/OS MVS Initialization and Tuning Guide*, focuses on MVS initialization tasks and SYS1.PARMLIB usage.

z/OS MVS Installation Exits

Describes the installation exits available for modifying the processing of the MVS element of z/OS.

z/OS MVS IPCS Commands

Provides reference information about the IPCS commands, subcommands, and dialog commands. The document describes how to use IPCS and gives examples of subcommand syntax and output generated by the subcommands.

z/OS MVS IPCS Customization

Provides IPCS programming requirements and explains how to customize

access to IPCS and the IPCS dialog. The programmer can use this document when writing IPCS exit routines, using IPCS-shipped CLISTS, and setting IPCS defaults.

z/OS MVS IPCS User's Guide

Explains how to access IPCS, presents the IPCS full-screen dialog, and provides information about the IPCS subcommands.

z/OS MVS JCL Reference

Describes how to code JCL, JES2, and JES3 control statements needed to perform the job control tasks presented in *z/OS MVS JCL User's Guide*.

z/OS MVS JCL User's Guide

Describes the job control tasks needed to submit jobs into the operating system, control the system's processing of jobs, and request the resources needed to run jobs. Its companion document, *z/OS MVS JCL Reference*, provides JCL coding information.

z/OS MVS Planning: APPC/MVS Management

Presents an overall picture of APPC/MVS as it relates to the rest of MVS, Systems Application Architecture®, and APPC, to help integrate APPC/MVS into existing configurations.

z/OS MVS Planning: Global Resource Serialization

Describes how to plan, install, operate, and tune a global resource serialization complex.

z/OS MVS Planning: Operations

Provides the information that a system programmer needs to understand how to plan MVS operations. Its primary focus is on how to plan an MVS console configuration.

z/OS MVS Planning: Workload Management

Describes workload management concepts and interfaces. It includes the steps required for using workload management and the benefits of using it.

z/OS MVS Product Management

Explains two usage pricing methods: S/390® Usage Pricing and Measured Usage License Charges. Also explains S/390 dynamic enablement externals for a product administrator. The document describes the data analysis utility covering both data collecting and reporting. It also describes how to change the enablement policy and provides information about the enablement report.

z/OS MVS Program Management: Advanced Facilities

Describes the programming interfaces provided by the program management component of . It describes the Binder Application Programming Interface, macros, user exits, and buffer formats.

z/OS MVS Program Management: User's Guide and Reference

Describes the end user interfaces provided by the program management component of . It contains an overview of the components, describes how to create executable programs from source modules, use the program management binder (starting, defining input, editing data, options, control statements), the linkage editor, and the batch loader.

z/OS MVS Programming: Assembler Services Guide

Describes how to use MVS services for unauthorized assembler language programs. This document also contains guidelines and suggested coding practices for coding in 31-bit addressing mode and for modifying programs that use 24-bit addressing mode to use 31-bit addressing mode. If you are relatively new to assembler language programming for MVS, this document is a good place to start.

Its companion documents, *z/OS MVS Programming: Assembler Services Reference ABE-HSP* and *z/OS MVS Programming: Assembler Services Reference IAR-XCT*, describe coding the macros that invoke these MVS services.

MVS Programming: Assembler Services Reference, Volumes 1–2

z/OS MVS Programming: Assembler Services Reference ABE-HSP

z/OS MVS Programming: Assembler Services Reference IAR-XCT

Describe how to code the macros and callable services that invoke the services of MVS, as described in *z/OS MVS Programming: Assembler Services Guide*. These macros and callable services are available to all assembler language programs.

z/OS MVS Programming: Authorized Assembler Services Guide

Describes how to use MVS services for authorized assembler language programs. Its companion documents, *MVS Programming: Authorized Assembler Services Reference, Volumes 1–4*, describe coding the macros that invoke these services.

MVS Programming: Authorized Assembler Services Reference, Volumes 1–4

z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN

z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG

z/OS MVS Programming: Authorized Assembler Services Reference LLA-SDU

z/OS MVS Programming: Authorized Assembler Services Reference SET-WTO

Describe how to code the macros and callable services that are available only to authorized assembler language programs, as described in *z/OS MVS Programming: Authorized Assembler Services Guide*.

z/OS MVS Programming: Callable Services for High-Level Languages

Describes the callable services available to the programmer coding in a high-level language such as COBOL, FORTRAN, C, Pascal, and PL/1. These services are also available to assembler language programmers.

z/OS MVS Programming: Extended Addressability Guide

Describes how to use cross memory services and extended addressability techniques, such as data spaces and hiperspaces to extend the virtual storage available to programs.

z/OS MVS Programming: JES Common Coupling Services

Provides MVS and JES system programmers with both guidance and reference information on how to use the JES common coupling services assembler macros and installation exits to affect JES communication processing in a sysplex environment.

z/OS MVS Programming: Product Registration

Provides guidance and reference information for the registration callable services, which are used to register an element or prepare an optional feature for dynamic enablement.

z/OS MVS Programming: Resource Recovery

Describes how to use recoverable resource management services (RRMS) in a resource manager that provides access to protected resources. Resource recovery services (), a system component, is the sync-point manager. While this document is primarily for experienced programmers, it also describes managing at an installation, including information about using system logger with RRS and running RRS.

z/OS MVS Programming: Sysplex Services Guide

Describes how to use the sysplex services available to assembler language programs that participate in a sysplex, communicate with other members of a sysplex, benefit from automatic restarts, and share data using the .

z/OS MVS Programming: Sysplex Services Reference

Describes how to code sysplex services for assembler language programs that participate in a sysplex, communicate with other members of a sysplex, benefit from automatic restarts, and share data using the .

z/OS MVS Programming: Workload Management Services

Describes the services intended for use by subsystem work managers and performance monitoring products.

z/OS MVS Programming: Writing Servers for APPC/MVS

Provides the information that an application developer needs to write servers for use in an APPC/MVS environment.

z/OS MVS Programming: Writing Transaction Programs for APPC/MVS

Provides the information that an application programmer needs to write APPC transaction programs for use on MVS.

z/OS MVS Programming: Writing Transaction Schedulers for APPC/MVS

Provides the information that an application programmer or system programmer needs to write transaction schedulers other than the one provided by APPC/MVS.

z/OS MVS Setting Up a Sysplex

Provides the information that a system programmer needs to plan, install, and tune MVS systems in a sysplex. It includes information about the policies available for managing a sysplex as well as information about the .

z/OS Unicode Services User's Guide and Reference

This manual provides information for setting up and using the Support for the Unicode product. The manual also includes a complete list of the IBM-supplied conversion tables.

z/OS MVS System Codes

Describes system completion and wait state codes.

z/OS MVS System Commands

Describes the system commands available to control an MVS system.

z/OS MVS System Management Facilities (SMF)

Provides information for system programmers who implement policies and procedures to account for data processing costs. This task includes deciding how to apportion data processing costs to data processing users and using SMF record data to obtain the required information about the use of system resources.

MVS System Messages, Volumes 1–10

z/OS MVS System Messages, Vol 1 (ABA-AOM)

z/OS MVS System Messages, Vol 2 (ARC-ASA)

z/OS MVS System Messages, Vol 3 (ASB-BPX)

z/OS MVS System Messages, Vol 4 (CBD-DMO)

z/OS MVS System Messages, Vol 5 (EDG-GFS)

z/OS MVS System Messages, Vol 6 (GOS-IEA)

z/OS MVS System Messages, Vol 7 (IEB-IEE)

z/OS MVS System Messages, Vol 8 (IEF-IGD)

z/OS MVS System Messages, Vol 9 (IGF-IWM)

z/OS MVS System Messages, Vol 10 (IXC-IZP)

Describe the messages issued by MVS and other elements, and suggests appropriate operator, system programmer, and application programmer responses.

z/OS MVS Using the Functional Subsystem Interface

Describes the functional subsystem interface (FSI) and shows how a functional subsystem (FSS) and a job entry subsystem (JES) communicate using the FSI.

z/OS MVS Using the Subsystem Interface

Provides information needed both to write a subsystem and to invoke subsystem services. This document describes the subsystem interface (SSI)

and provides detailed, uniform descriptions of the subsystem interface function codes and examples that help users understand them.

Network File System

This section describes documents for Network File System.

z/OS Network File System Guide and Reference

This book is a combination of three earlier z/OS NFS books. It describes techniques for:

- accessing and creating MVS data sets from a client environment using the NFS protocol
- customizing and operating the z/OS Network File System server
- diagnosing and tuning NFS on z/OS.

Open Systems Adapter Support Facility

This section describes documents for the Open Systems Adapter Support Facility.

z Systems OSA-Express Customer's Guide and Reference

Describes how to define and use the Open Systems Adapter-Express feature and the Open Systems Adapter Support Facility (OSA/SF) for zSeries processors. An OSA-Express is an integrated zSeries hardware feature that combines the functions of an I/O channel with the functions of a network port to provide direct connectivity between eServer applications and their clients on the attached network.

Describes how to install and use the Open Systems Adapter-2 feature and the Open Systems Adapter Support Facility (OSA/SF).

OSA-ICC User's Guide

Describes how to use the Open Systems Adapter Integrated Controller.

Resource Measurement Facility (RMF)

This section describes documents for Resource Measurement Facility.

z/OS RMF Messages and Codes

Explains messages.

Provides most current information about RMF™ and RMF-related tools.

Describes how to optimize performance management.

z/OS RMF Programmer's Guide

Describes Resource Measurement Facility programming interfaces.

z/OS RMF Report Analysis

Describes the content of all Resource Measurement Facility reports.

z/OS RMF User's Guide

Describes all relevant tasks belonging to performance management.

REXX Alternate Library

This section describes the documents for REXX Alternate Library.

IBM Compiler and Library for REXX on System z: User's Guide and Reference

Describes how to compile and run programs written in the Restructured EXTended eXecutor (REXX) language. It describes how to use the:

- IBM Compiler for REXX on System z (referred to as the Compiler)
- IBM Library for REXX on System z (referred to as the Library)

IBM Compiler and Library for REXX on System z: Diagnosis Guide

Provides information to help system programmers and IBM service personnel to diagnose problems encountered when using the:

- IBM Compiler for REXX on System z (referred to as the Compiler)
- IBM Library for REXX on System z (referred to as the Library)

Runtime Library Extensions

This section describes documents for the C/C++ Compiler feature. For related books of the z/OS C/C++ Compiler features, see “XL C/C++ Compiler” on page 37.

z/OS Common Debug Architecture User's Guide

Common Debug Architecture User's Guide introduces the user to Common Debug Architecture (CDA). It first provides a high-level overview of CDA. The document then illustrates how to use the CDA libraries and utilities, through explanations and examples. Finally, it shows an example implementation, using the utilities that are shipped with CDA.

z/OS Common Debug Architecture Library Reference

Common Debug Architecture Library Reference is the reference for the Common Debug Architecture (CDA) library, libddpi. It provides a brief overview of CDA, but the majority of the document is a detailed description of every API and type. CDA is written in the C programming language. CDA is based on ELF application binary interfaces (ABIs) and the DWARF format.

DWARF/ELF Extensions Library Reference

DWARF/ELF Extensions Library Reference is intended for programmers who will be developing program-analysis applications and debugging applications for the IBM C/C++ compiler on the z/OS operating system. These applications will create or query information from ELF objects and DWARF debugging information on the z/OS operating system.

SDSF

This section describes the document for SDSF.

z/OS SDSF Operation and Customization

Describes ISFPARMS, security, operation of the SDSF server, and problem determination, including messages and codes.

Security Server

This section describes documents for the Security Server (RACF).

z/OS Security Server RACROUTE Macro Reference

Describes the RACF system macros and explains how to code the interfaces.

z/OS Security Server RACF Auditor's Guide

Describes auditing considerations as well as how to use the SMF data unload facility, the RACF report writer, and the data security monitor.

z/OS Security Server RACF Callable Services

Describes the RACF callable services and explains how to code the interfaces.

z/OS Security Server RACF Command Language Reference

Contains the functions and syntax of all the RACF commands.

z/OS Security Server RACF Data Areas

Contains descriptions of the data areas used by RACF.

z/OS Security Server RACF Diagnosis Guide

Explains how to diagnose problems in RACF.

z/OS Security Server RACF Macros and Interfaces

Describes each product macro and its syntax and explains how to code the interfaces.

z/OS Security Server RACF Messages and Codes

Contains the RACF messages, routing and descriptor codes, RACF manager return codes, and RACF-related system completion codes.

z/OS Security Server RACF Security Administrator's Guide

Explains RACF concepts and describes how to plan for and implement RACF.

z/OS Security Server RACF System Programmer's Guide

Describes how to modify and maintain RACF.

z/OS Security Server RACF General User's Guide

Explains how general users can perform basic security tasks with RACF, such as protecting data sets and general resources.

SMP/E

This section describes documents for SMP/E.

SMP/E for z/OS Commands

Contains detailed information about the syntax and processing of SMP/E commands and associated reports.

SMP/E for z/OS Messages, Codes, and Diagnosis

Explains how to handle and diagnose suspected SMP/E problems. Lists the messages issued by SMP/E, explains why they may be issued, and tells how to respond to them. It also lists the return codes that may be issued for each SMP/E command, explains what they mean and how to respond to them, and provides error recovery procedures for each command

SMP/E for z/OS Reference

Contains detailed information about the syntax and processing of SMP/E MCS statements. Also describes the data sets required by SMP/E commands, explains the contents of the entries used by SMP/E to manage the system, and explains the output produced by SMP/E. It explains how to use the SMP/E user exit routines and service routines, provides information on how to tailor SMP/E processing, and documents the intended programming interfaces.

SMP/E for z/OS User's Guide

Describes how to use SMP/E. It contains an overview of SMP/E and the data sets it uses, describes how to install software, and explains how to use SMP/E to manage the system.

TSO/E

This section describes documents for TSO/E.

z/OS TSO/E Administration

Describes ways to define users to TSO/E through the ACCOUNT command and through the Information Center Facility services. It also provides detailed information about maintaining the Information Center Facility services.

z/OS TSO/E CLISTS

Contains information about creating, structuring, and executing CLISTS.

z/OS TSO/E Command Reference

Contains syntax information for non-authorized TSO/E commands and Session Manager tasks. Authorized commands are described in *z/OS TSO/E System Programming Command Reference*.

z/OS TSO/E Customization

Contains the information necessary to customize and maintain a TSO/E system.

z/OS TSO/E General Information

Contains an overview of the TSO/E element of z/OS. It explains the purpose and benefits of TSO/E, the functions and tools available to end users and programmers, and introduces the customization, administration, and diagnosis aspects of TSO/E.

z/OS TSO/E Guide to SRPI

Explains how to write a server to receive a service request, process the request, and return a reply to the requester. The document includes a sample server, along with information about installing, testing, and debugging servers for use with the TSO/E Enhanced Connectivity Facility.

z/OS TSO/E Messages

Contains descriptions and the detecting module for TSO/E messages that are displayed on the screen, and MVSSERV messages that are written to a trace data set.

z/OS TSO/E Primer

Explains simple concepts and leads new users through basic TSO/E tasks, such as logon, use of panels and data sets, and sending and receiving information. It shows them how to use the Information Center Facility, issue line mode TSO/E commands, and access ISPF/PDF.

z/OS TSO/E Programming Guide

Explains how to write application programs that run under TSO/E, such as CLISTs, REXX execs, command processors, servers, and callable programs.

z/OS TSO/E Programming Services

Describes TSO/E services including the parse service routine, I/O service routines, space management service, table look-up service, printer support CLISTs, and the TSO/E environment service. It also explains how to access the Information Center Facility names directory from an application program.

z/OS TSO/E REXX Reference

Describes the structure and general syntax of the REXX language including expressions and operators, clauses, and assignments and symbols.

z/OS TSO/E REXX User's Guide

Explains how to design, write, and run REXX execs.

z/OS TSO/E System Diagnosis: Data Areas

Contains mappings of data areas that are used by two or more components or programming interfaces, or are needed for debugging and diagnosis. It provides information for debugging installation-provided programs or diagnosing IBM-provided programs.

z/OS TSO/E System Programming Command Reference

Describes authorized TSO/E commands including ACCOUNT, CONSOLE, CONSPROF, OPERATOR, and PARMLIB.

z/OS TSO/E User's Guide

Reinforces basic concepts introduced in and gives additional details. It also describes more complex tasks such as preparing and running programs in the foreground or background, customizing the terminal session, and using Session Manager.

XL C/C++ Compiler

This section describes documents for the XL C/C++ Compiler feature. For related books of the Runtime Library Extensions element of z/OS, see “Runtime Library Extensions” on page 33.

z/OS XL C/C++ Language Reference

Provides reference information for the C and C++ programming languages as implemented in the C/C++ compilers.

z/OS C Curses

Describes programming for the screen management orders known as curses.

z/OS XL C/C++ Compiler and Runtime Migration Guide for the Application Programmer

Provides information for programmers who are migrating to the C/C++ compiler and the Language Environment run-time library. It discusses migration from the C/370™, AD/Cycle C/370, C/C++ for MVS/ESA, and previous C/C++ compilers; the C/370 libraries; and previous releases of Language Environment.

Standard C++ Library Reference

This document provides a technical reference on the details of the Standard C++ Library.

z/OS XL C/C++ Messages

Describes C/C++ messages and suggests appropriate operator, system programmer, and application programmer responses.

z/OS XL C/C++ Programming Guide

Provides guidance on how to write C/C++ programs for the C/C++ compiler and the C/C++ run-time library component of Language Environment.

z/OS XL C/C++ Runtime Library Reference

Contains information for all C/C++ library functions (except for C Curses).

z/OS XL C/C++ User's Guide

Describes the processes of compiling, IPA linking, binding, prelinking and linking, and running both C and C++ programs. This document includes information on compiler options, listings, C/C++ utilities, compiler messages, and program diagnosis.

IBM z/OS Management Facility

This section describes the documents for IBM z/OS Management Facility (z/OSMF).

IBM z/OS Management Facility Configuration Guide

This document provides information for anyone who needs to set up and

use z/OSMF or diagnose problems with this product. This document assumes that you are familiar with the z/OS operating system and its associated products.

IBM z/OS Management Facility Programming Guide

This document provides information for anyone who needs to write programs that use the services and facilities of z/OSMF. This document assumes that you are familiar with the z/OS operating system and its associated products.

z/OS UNIX System Services

This section describes documents for z/OS UNIX System Services.

z/OS UNIX System Services Command Reference

Provides information that you need to use a z/OS system with the shell and utilities feature. Included are shell commands, TSO/E commands, and REXX system commands.

z/OS UNIX System Services File System Interface Reference

Provides details for coding to the UNIX System Services file system interface.

z/OS UNIX System Services Messages and Codes

Explains the messages, return, and reason codes that occur in the UNIX shells or debugger.

Lists the subroutines a programmer can use when writing parallel applications, along with the associated parameters and syntax.

Provides information for end users and application developers on how to compile, run, and analyze parallel programs

z/OS UNIX System Services Planning

Contains information that is needed to plan for the use of z/OS UNIX System Services.

z/OS UNIX System Services Programming: Assembler Callable Services Reference

Describes UNIX callable services.

z/OS UNIX System Services Programming Tools

Describes advanced application programming tools, such as make and dbx.

z/OS V2R2.0 UNIX System Services User's Guide

Describes how to use the UNIX shells and file system.

z/OS Using REXX and z/OS UNIX System Services

Describes how to use the REXX programming language to access z/OS UNIX System Services.

Chapter 4. z/OS V2R2 titles and order numbers

The information in the section contains the titles and order numbers for all z/OS Version 2 Release 2 (V2R2), V2R1, and V1R13 base elements and feature publications. Most z/OS documents are available in PDF format and the IBM Knowledge Center. All formats are available from the z/OS Internet Library at z/OS Internet Library (<http://www.ibm.com/systems/z/os/zos/bkserv/>).

All z/OS V2R1 base elements and feature publications had new order numbers that used the -00 suffix initially.

Each time a document is refreshed, the suffix (dash) level of the document is increased. For example, a document that had -00 for z/OS V2R1 might use -01 the next time it is published.

If you are reading a document in PDF format or on the Internet, you can open a highlighted document link by placing the cursor under the highlighted area and pressing Enter.

This section contains two tables:

“z/OS V2R2 base elements”

“z/OS V2R2 optional features” on page 63

z/OS V2R2 base elements

Table 1 contains the z/OS V2R2 PDF file name and order number listed by base element name, and order numbers for V2R1 and V1R13 editions.

Table 1. z/OS Base element publications

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS System Level				
z/OS Font Collection	e0z1x100.pdf	GA32-1048-00	GA32-1048-00	New for z/OS V2R1
z/OS Information Roadmap	e0z3c110.pdf	SA23-2299-01	SA23-2299-00	SA22-7500-14
z/OS Introduction and Release Guide	e0z3a110.pdf	GA32-0887-02	GA32-0887-01	GA22-7502-22
z/OS Licensed Program Specifications	e0z3f110.pdf	GA32-0888-02	GA32-0888-01	GA22-7503-17
z/OS Migration	e0z3m110.pdf	GA32-0889-05	GA32-0889-04	GA22-7499-21
z/OS Planning for Installation	e0z3b110.pdf	GA32-0890-03	GA32-0890-02	GA22-7504-28

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS Summary of Message and Interface Changes	e0z3h310.pdf	SA23-2300-06	SA23-2300-05	SA22-7505-20
z/OS IBM Health Checker for z/OS: User's Guide	e0z3l110.pdf	SC23-6843-03	SC23-6843-02	SA22-7994-13
z/OS Problem Management	e0z2k110.pdf	SC23-6844-02	SC23-6844-01	G325-2564-09
z/OS Program Directory	eozpdz10.pdf	GI11-9848-01	GI11-9848-00	GI10-0670-13
ServerPac: Using the Installation Dialog	gim1a210.pdf	SA23-2278-02	SA23-2278-01	SA22-7815-19
z/OS Planning for Sub-Capacity Pricing	e0z3i110.pdf	SA23-2301-01	SA23-2301-00	SA22-7999-07
z/OS Planning for Multilevel Security and the Common Criteria	e0z3e100.pdf	GA32-0891-00	GA32-0891-00	GA22-7509-13
z/OS Hot Topics Newsletter	e0z3n110.pdf	GA32-0892-02	GA32-0892-01	GA22-7501-22
Alternate Library for REXX				
IBM Compiler and Library for REXX on System z®: User's Guide and Reference	h1981606.pdf	SH19-8160-06	SH19-8160-06	SH19-8160-05
IBM Compiler and Library for REXX on System z: Diagnosis Guide	h1981793.pdf	SH19-8179-03	SH19-8179-03	SH19-8179-02
MVS (BCP)				
z/OS Batch Runtime Planning and User's Guide	iea3n500.pdf	SA23-1376-00	SA23-1376-00	SA23-2270-01
z/OS MVS Capacity Provisioning User's Guide	iea3u110.pdf	SC34-2661-01	SC34-2661-00	SC33-8299-06
z/OS MVS Data Areas, Volume 1	iea3d110.pdf	GA32-0935-03	GA32-0935-02	GA32-0853-04
z/OS MVS Data Areas, Volume 2	iea3d210.pdf	GA32-0936-03	GA32-0936-02	GA32-0854-04

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS MVS Data Areas, Volume 3	iea3d310.pdf	GA32-0937-03	GA32-0937-02	GA32-0855-04
z/OS MVS Data Areas, Volume 4	iea3d410.pdf	GA32-0938-03	GA32-0938-02	GA32-0856-04
z/OS MVS Data Areas, Volume 5	N/A	N/A	GA32-0939-02	GA32-0857-04
z/OS MVS Data Areas, Volume 6	N/A	N/A	GA32-0940-02	GA32-0858-04
z/OS MVS Device Validation Support	iea3g610.pdf	SA38-0697-01	SA38-0697-00	SA22-7586-01
z/OS MVS Diagnosis: Reference	iea3v210.pdf	GA32-0904-03	GA32-0904-02	GA22-7588-17
z/OS MVS Diagnosis: Tools and Service Aids	iea3v110.pdf	GA32-0905-03	GA32-0905-02	GA22-7589-19
z/OS MVS Dump Output Messages	iea3h610.pdf	SA23-1378-01	SA23-1378-00	SA22-7590-09
z/OS MVS Initialization and Tuning Guide	iea3e110.pdf	SA23-1379-01	SA23-1379-00	SA22-7591-10
z/OS MVS Initialization and Tuning Reference	iea3e210.pdf	SA23-1380-05	SA23-1380-04	SA22-7592-25
z/OS MVS Installation Exits	iea3e410.pdf	SA23-1381-01	SA23-1381-00	SA22-7593-17
z/OS MVS Interactive Problem Control System (IPCS) Commands	iea3c510.pdf	SA23-1382-02	SA23-1382-01	SA22-7594-13
z/OS MVS Interactive Problem Control System (IPCS) Customization	iea3c700.pdf	SA23-1383-00	SA23-1383-00	SA22-7595-08
z/OS MVS Interactive Problem Control System (IPCS) User's Guide	iea3c600.pdf	SA23-1384-00	SA23-1384-00	SA22-7596-08
z/OS MVS JCL Reference	iea3b610.pdf	SA23-1385-02	SA23-1385-01	SA22-7597-16
z/OS MVS JCL User's Guide	iea3b510.pdf	SA23-1386-01	SA23-1386-00	SA22-7598-07

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS MVS Planning: APFC/MVS Management	iea3c400.pdf	SA23-1388-00	SA23-1388-00	SA22-7599-06
z/OS MVS Planning: Global Resource Serialization	iea3g410.pdf	SA23-1389-01	SA23-1389-00	SA22-7600-12
z/OS MVS Planning: Operations	iea3g310.pdf	SA23-1390-01	SA23-1390-00	SA22-7601-14
z/OS MVS Planning: Workload Management	iea3w110.pdf	SC34-2662-03	SC34-2662-02	SA22-7602-20
z/OS MVS Product Management	iea3r110.pdf	SA23-1391-01	SA23-1391-00	SA22-7603-06
z/OS MVS Program Management: Advanced Facilities	iea3b210.pdf	SA23-1392-01	SA23-1392-00	SA22-7644-14
z/OS MVS Program Management: User's Guide and Reference	iea3b110.pdf	SA23-1393-01	SA23-1393-00	SA22-7643-11
z/OS MVS Programming: Assembler Services Guide	iea3a610.pdf	SA23-1368-01	SA23-1368-00	SA22-7605-15
z/OS MVS Programming: Assembler Services Reference, Volume 1 (ABE-HSP)	iea3a710.pdf	SA23-1369-01	SA23-1369-00	SA22-7606-13
z/OS MVS Programming: Assembler Services Reference, Volume 2 (IARCP64-XCTLX)	iea3a910.pdf	SA23-1370-02	SA23-1370-01	SA22-7607-18
z/OS MVS Programming: Authorized Assembler Services Guide	iea3a810.pdf	SA23-1371-02	SA23-1371-01	SA22-7608-17

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS MVS Programming: Authorized Assembler Services Reference, Volume 1 (ALESERV-DYNALLO)	iea3a110.pdf	SA23-1372-01	SA23-1372-00	SA22-7609-13
z/OS MVS Programming: Authorized Assembler Services Reference, Volume 2 (EDTINFO-IXGWRITE)	iea3a210.pdf	SA23-1373-02	SA23-1373-01	SA22-7610-21
z/OS MVS Programming: Authorized Assembler Services Reference, Volume 3 (LLACOPY-SDUMPX)	iea3a310.pdf	SA23-1374-02	SA23-1374-01	SA22-7611-13
z/OS MVS Programming: Authorized Assembler Services Reference, Volume 4 (SETFRR-WTOR)	iea3a410.pdf	SA23-1375-01	SA23-1375-00	SA22-7612-14
z/OS MVS Programming: Callable Services for High-Level Languages	iea3c110.pdf	SA23-1377-03	SA23-1377-02	SA22-7613-10
z/OS MVS Programming: Extended Addressability Guide	iea3a510.pdf	SA23-1394-01	SA23-1394-00	SA22-7614-08
z/OS MVS Programming: JES Common Coupling Services	iea3i800.pdf	SA23-1387-00	SA23-1387-00	SA22-7615-01

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS MVS Programming: Product Registration	iea3q200.pdf	SA38-0698-00	SA38-0698-00	SA22-7604-01
z/OS MVS Programming: Resource Recovery	iea3n100.pdf	SA23-1395-00	SA23-1395-00	SA22-7616-11
z/OS MVS Programming: Sysplex Services Guide	iea3i610.pdf	SA23-1400-02	SA23-1400-01	SA22-7617-17
z/OS MVS Programming: Sysplex Services Reference	iea3i710.pdf	SA38-0658-02	SA38-0658-01	SA22-7618-17
z/OS MVS Programming: Workload Management Services	iea3w210.pdf	SC34-2663-02	SC34-2663-01	SA22-7619-21
z/OS MVS Programming: Writing Transaction Programs for APPC/MVS	iea3c300.pdf	SA23-1397-00	SA23-1397-00	SA22-7621-03
z/OS MVS Programming: Writing Transaction Schedulers for APPC/MVS	iea3c800.pdf	SA23-1398-00	SA23-1398-00	SA22-7622-00
z/OS MVS Programming: Writing Servers for APPC/MVS	iea3k500.pdf	SA23-1396-00	SA23-1396-00	SA22-7620-00
z/OS MVS Setting Up a Sysplex	iea3f110.pdf	SA23-1399-02	SA23-1399-01	SA22-7625-22
z/OS MVS System Codes	iea3h710.pdf	SA38-0665-01	SA38-0665-00	SA22-7626-25
z/OS MVS System Commands	iea3g110.pdf	SA38-0666-03	SA38-0666-02	SA22-7627-28
z/OS MVS System Management Facilities (SMF)	iea3g210.pdf	SA38-0667-04	SA38-0667-03	SA22-7630-26

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS MVS System Messages, Volume 1 (ABA-AOM)	iea3m110.pdf	SA38-0668-04	SA38-0668-03	SA22-7631-24
z/OS MVS System Messages, Volume 2 (ARC-ASA)	iea3m210.pdf	SA38-0669-04	SA38-0669-03	SA22-7632-21
z/OS MVS System Messages, Volume 3 (ASB-BPX)	iea3m310.pdf	SA38-0670-02	SA38-0670-01	SA22-7633-22
z/OS MVS System Messages, Volume 4 (CBD-DMO)	iea3m410.pdf	SA38-0671-02	SA38-0671-01	SA22-7634-22
z/OS MVS System Messages, Volume 5 (EDG-GFS)	iea3m510.pdf	SA38-0672-02	SA38-0672-01	SA22-7635-21
z/OS MVS System Messages, Volume 6 (GOS-IEA)	iea3m610.pdf	SA38-0673-03	SA38-0673-02	SA22-7636-24
z/OS MVS System Messages, Volume 7 (IEB-IEE)	iea3m710.pdf	SA38-0674-03	SA38-0674-02	SA22-7637-24
z/OS MVS System Messages, Volume 8 (IEF-IGD)	iea3m810.pdf	SA38-0675-03	SA38-0675-02	SA22-7638-21
z/OS MVS System Messages, Volume 9 (IGF-IWM)	iea3m910.pdf	SA38-0676-04	SA38-0676-03	SA22-7639-22
z/OS MVS System Messages, Volume 10 (IXC-IZP)	iea3ma10.pdf	SA38-0677-03	SA38-0677-02	SA22-7640-25

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS MVS Using the Functional Subsystem Interface	iea3e500.pdf	SA38-0678-00	SA38-0678-00	SA22-7641-02
z/OS MVS Using the Subsystem Interface	iea3f210.pdf	SA38-0679-02	SA38-0679-01	SA22-7642-12
z/OS Unicode Services User's Guide and Reference	iea3un10.pdf	SA38-0680-01	SA38-0680-00	SA22-7649-14
z/OS XML System Services User's Guide and Reference	gxl3z110.pdf	SA38-0681-02	SA38-0681-01	SA23-1350-07
Bulk Data Transfer				
z/OS BDT Installation	bdtza410.pdf	SC14-7582-00	SC14-7582-00	GA22-7511-01
z/OS BDT File-to-File Transaction Guide	bdtza510.pdf	SC14-7583-00	SC14-7583-00	SA22-7515-01
z/OS BDT Commands	bdtza620.pdf	SC14-7584-00	SC14-7584-00	SA22-7512-02
z/OS BDT Messages and Codes	bdtza730.pdf	SC14-7585-00	SC14-7585-00	SA22-7513-04
z/OS BDT Diagnosis Reference	bdtza810.pdf	SC14-7586-00	SC14-7586-00	GA22-7514-01
Common Information Model (CIM)				
z/OS Common Information Model User's Guide	cfz2ug10.pdf	SC34-2671-01	SC34-2671-00	SC33-7998-08
Communications Server				
z/OS Communications Server: IPv6 Network and Application Design Guide	f1a2f110.pdf	SC27-3663-01	SC27-3663-00	SC31-8885-09
z/OS Communications Server: IP Diagnosis Guide	f1a2c510.pdf	GC27-3652-03	GC27-3652-02	GC31-8782-13

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS Communications Server: IP Messages Volume 1 (EZA)	f1a2c710.pdf	SC27-3654-01	SC27-3654-00	SC31-8783-14
z/OS Communications Server: IP Messages Volume 2 (EZB, EZD)	f1a2c810.pdf	SC27-3655-02	SC27-3655-01	SC31-8784-13
z/OS Communications Server: IP Messages Volume 3 (EZY)	f1a2c900.pdf	SC27-3656-00	SC27-3656-00	SC31-8785-11
z/OS Communications Server: IP Messages Volume 4 (EZZ, SNM)	f1a2d110.pdf	SC27-3657-02	SC27-3657-01	SC31-8786-15
z/OS Communications Server: New Function Summary	f1a2f210.pdf	GC27-3664-04	GC27-3664-03	GC31-8771-07
z/OS Communications Server: IP Configuration Guide	f1a2b310.pdf	SC27-3650-04	SC27-3650-03	SC31-8775-20
z/OS Communications Server: IP Configuration Reference	f1a2b410.pdf	SC27-3651-04	SC27-3651-03	SC31-8776-21
z/OS Communications Server: IP Programmer's Guide and Reference	f1a2d310.pdf	SC27-3659-03	SC27-3659-02	SC31-8787-14
z/OS Communications Server: IP User's Guide and Commands	f1a2b910.pdf	SC27-3662-01	SC27-3662-00	SC31-8780-11

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS Communications Server: IP System Administrator's Commands	f1a2c210.pdf	SC27-3661-03	SC27-3661-02	SC31-8781-12
z/OS Communications Server: IP Sockets Application Programming Interface Guide and Reference	f1a2d410.pdf	SC27-3660-01	SC27-3660-00	SC31-8788-09
z/OS Communications Server: IP CICS Sockets Guide	f1a2g110.pdf	SC27-3649-01	SC27-3649-00	SC31-8807-07
z/OS Communications Server: IP IMS Sockets Guide	f1a2e100.pdf	SC27-3653-00	SC27-3653-00	SC31-8830-06
z/OS Communications Server: IP Network Print Facility	f1a2g300.pdf	SC27-3658-00	SC27-3658-00	SC31-8833-01
z/OS Communications Server: SNA Network Implementation Guide	f1a2b510.pdf	SC27-3672-02	SC27-3672-01	SC31-8777-11
z/OS Communications Server: SNA Resource Definition Reference	f1a2b610.pdf	SC27-3675-03	SC27-3675-02	SC31-8778-14
z/OS Communications Server: SNA Resource Definition Samples	f1a2e700.pdf	SC27-3676-00	SC27-3676-00	SC31-8836-05
z/OS Communications Server: SNA Operation	f1a2b710.pdf	SC27-3673-03	SC27-3673-02	SC31-8779-11
z/OS Communications Server: Quick Reference	f1a2b810.pdf	SC27-3665-02	SC27-3665-01	SX75-0124-11

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS Communications Server: SNA Customization	f1a2d700.pdf	SC27-3666-00	SC27-3666-00	SC31-6854-03
z/OS Communications Server: SNA Diagnosis Vol 1, Techniques and Procedures	f1a2c310.pdf	GC27-3667-01	GC27-3667-00	GC31-6850-06
z/OS Communications Server: SNA Diagnosis Vol 2, FFST Dumps and the VIT	f1a2c410.pdf	GC27-3668-02	GC27-3668-01	GC31-6851-06
z/OS Communications Server: SNA Messages	f1a2c610.pdf	SC27-3671-03	SC27-3671-02	SC31-8790-12
z/OS Communications Server: IP and SNA Codes	f1a2d210.pdf	SC27-3648-04	SC27-3648-03	SC31-8791-13
z/OS Communications Server: SNA Programmer's LU 6.2 Guide	f1a2e910.pdf	SC27-3669-01	SC27-3669-00	SC31-8811-01
z/OS Communications Server: SNA Programmer's LU 6.2 Reference	f1a2e800.pdf	SC27-3670-00	SC27-3670-00	SC31-8810-01
z/OS Communications Server: CSM Guide	f1a2g210.pdf	SC27-3647-01	SC27-3647-00	SC31-8808-03
z/OS Communications Server: SNA Programming	f1a2d900.pdf	SC27-3674-00	SC27-3674-00	SC31-8829-03
z/OS Communications Server: CMIP Services and Topology Agent Guide	f1a2d800.pdf	SC27-3646-00	SC27-3646-00	SC31-8828-04

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS Communications Server: ACF/TAP Trace Analysis Handbook	f1a2f300.pdf	GC27-3645-00	GC27-3645-00	GC23-8588-00
z/OS V2R1.0 Communications Server Glossary: Find it in the z/OS knowledge center.	f1a2f400.pdf	N/A	N/A	New for V2R1
Cryptographic Services				
z/OS Cryptographic Services ICSF Administrator's Guide	csf2c311.pdf	SC14-7506-03	SA22-7521-17	SA22-7521-16
z/OS Cryptographic Services ICSF Application Programmer's Guide	csf2c411.pdf	SC14-7506-03	SA22-7522-16	SA22-7522-15
z/OS Cryptographic Services ICSF Messages	csf2c710.pdf	SC14-7509-02	SA22-7523-16	SA22-7523-15
z/OS Cryptographic Services ICSF Overview	csf2c511.pdf	SC14-7505-03	SA22-7519-16	SA22-7519-15
z/OS Cryptographic Services ICSF System Programmer's Guide	csf2c211.pdf	SC14-7507-03	SA22-7520-17	SA22-7520-16
z/OS Cryptographic Services ICSF Trusted Key Entry Workstation User's Guide	csf2c612.pdf	SC14-7511-04	SA23-2211-08	SA23-2211-07
z/OS Cryptographic Services ICSF Writing PKCS #11 Applications	csf2ca10.pdf	SC14-7510-01	SA23-2231-05	SA23-2231-04

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS Cryptographic Services PKI Services Guide and Reference	iky2a110.pdf	SA23-2286-01	SA23-2286-00	SA22-7693-13
z/OS Cryptographic Services System SSL Programming	gsk2aa10.pdf	SC14-7495-01	SC14-7495-00	SC24-5901-11
IBM Encryption Facility for z/OS: Planning and Customizing	csde1123	SA23-2229-03	SA23-2229-02	SA23-2229-01
IBM Encryption Facility for z/OS: Using Encryption Facility for OpenPGP	csdd1127	SA23-2230-07	SA23-2230-05	SA23-2230-04
IBM Encryption Facility for z/OS: User's Guide	csda1101	SA23-1349-03	SA23-1349-01	SA23-1349-00
DFSMS				
z/OS DFSMS Advanced Copy Services	ant3r110pdf	SC23-6847-02	SC23-6847-01	SC35-0428-19
z/OS DFSMS Access Method Services Commands	dgt3i210.pdf	SC23-6846-02	SC23-6846-01	SC26-7394-13
z/OS DFSMS Distributed FileManager Guide and Reference	dgt3m500.pdf	SC23-6848-00	SC23-6848-00	SC26-7395-01
z/OS DFSMS Implementing System-Managed Storage	dgt3i610.pdf	SC23-6849-01	SC23-6849-00	SC26-7407-07
z/OS DFSMS Introduction	dgt3di00.pdf	SC23-6851-00	SC23-6851-00	SC26-7397-04
z/OS DFSMS Installation Exits	dgt3c710.pdf	SC23-6850-02	SC23-6850-01	SC26-7396-14
z/OS DFSMS Macro Instructions for Data Sets	dgt3d510.pdf	SC23-6852-03	SC23-6852-02	SC26-7408-10
z/OS DFSMS Managing Catalogs	dgt3c110.pdf	SC23-6853-02	SC23-6853-01	SC26-7409-11

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS DFSMS Using Data Sets	dgt3d410.pdf	SC23-6855-03	SC23-6855-02	SC26-7410-11
z/OS DFSMS Using the Interactive Storage Management Facility	dgt3i510.pdf	SC23-6856-01	SC23-6856-00	SC26-7411-08
z/OS DFSMS Using the New Functions	dgt3g510.pdf	SC23-6857-04	SC23-6857-03	SC26-7473-11
z/OS DFSMS Using Magnetic Tapes	dgt3m310.pdf	SC23-6858-01	SC23-6858-00	SC26-7412-03
z/OS DFSMS Using the Volume Mount Analyzer	dgt3v110.pdf	SC23-6859-01	SC23-6859-00	SC26-7413-02
z/OS DFSMS Object Access Method Planning, Installation, and Storage Administration Guide for Tape Libraries	dgt3o310.pdf	SC23-6867-01	SC23-6867-00	SC35-0427-10
z/OS DFSMS Object Access Method Planning, Installation, and Storage Administration Guide for Object Support	dgt3o210.pdf	SC23-6866-01	SC23-6866-00	SC35-0426-11
z/OS DFSMS Object Access Method Application Programmer's Reference	dgt3o110.pdf	SC23-6865-01	SC23-6865-00	SC35-0425-09
z/OS DFSMS Software Support for IBM System Storage® TS1140, TS1130, and TS1120 Tape Drives (3592)	dgt3j110.pdf	SC23-6854-01	SC23-6854-00	SC26-7514-06
DFSMSdfp				

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS DFSMSdfp Advanced Services	dgt3s310.pdf	SC23-6861-02	SC23-6861-01	SC26-7400-14
z/OS DFSMSdfp Checkpoint/Restart	dgt3c400.pdf	SC23-6862-00	SC23-6862-00	SC26-7401-03
z/OS DFSMSdfp Diagnosis	dgt3r110.pdf	SC23-6863-01	SC23-6863-00	GY27-7618-16
z/OS DFSMSdfp Storage Administration	dgt3s210.pdf	SC23-6860-02	SC23-6860-01	SC26-7402-16
z/OS DFSMSdfp Utilities	dgt3u110.pdf	SC23-6864-01	SC23-6864-00	SC26-7414-08
Distributed File Service				
z/OS Distributed File Service zFS Administration	fcx2d510.pdf	SC23-6887-01	SC23-6887-00	SC24-5989-12
z/OS Distributed File Service SMB Administration	fcx2d410.pdf	SC23-6886-01	SC23-6886-00	SC24-5918-11
z/OS Distributed File Service Messages and Codes	fcx2d310.pdf	SC23-6885-01	SC23-6885-00	SC24-5917-15
Environmental Record Editing and Printing Program (EREP)				
Environmental Record Editing and Printing Program Reference	ifc5r106.pdf	GC35-0152-06	GC35-0152-06	GC35-0152-05
Environmental Record Editing and Printing Program User's Guide	ifc5g103.pdf	GC35-0151-03	GC35-0151-03	GC35-0151-02
GDDM	See http://www-01.ibm.com/software/applications/gddm/library/			
Hardware Configuration Definition (HCD)				
z/OS Hardware Configuration Definition Planning	iea3g810.pdf	GA32-0907-01	GA32-0907-00	GA22-7525-16

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS and z/VM [®] HCD Messages	cbd2me10.pdf	SC34-2668-01	SC34-2668-00	SC33-7986-13
z/OS HCD User's Guide	cbd2ug10.pdf	SC34-2669-02	SC34-2669-01	SC33-7988-10
High Level Assembler (HLASM)				
High Level Assembler for z/OS & z/VM & z/VSE [®] Toolkit Feature Installation and Customization Guide	asmtic22.pdf	GC26-8711-10	GC26-8711-09	GC26-8711-08
High Level Assembler for z/OS & z/VM & z/VSE Toolkit Feature Interactive Debug Facility User's Guide	asmtiu22.pdf	GC26-8709-08	GC26-8709-07	GC26-8709-06
High Level Assembler for z/OS & z/VM & z/VSE Toolkit Feature User's Guide	asmtug22.pdf	GC26-8710-11	GC26-8710-10	GC26-8710-09
High Level Assembler for z/OS & z/VM & z/VSE Toolkit Feature Interactive Debug Facility Reference Summary	asmtis22.pdf	GC26-8712-07	GC26-8712-06	GC26-8712-05
High Level Assembler for z/OS & z/VM & z/VSE Installation and Customization Guide	asmi1022.pdf	SC26-3494-06	SC26-3494-05	SC26-3494-04
High Level Assembler for z/OS & z/VM & z/VSE Language Reference	asmr1022.pdf	SC26-4940-07	SC26-4940-06	SC26-4940-05

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
High Level Assembler for z/OS & z/VM & z/VSE General Information	asmg1022.pdf	GC26-4943-07	GC26-4943-06	GC26-4943-05
High Level Assembler for z/OS & z/VM & z/VSE Programmer's Guide	asmp1022.pdf	SC26-4941-07	SC26-4941-06	SC26-4941-05
IBM HTTP Server - Powered by Apache				
z/OS IBM HTTP Server User's Guide	dpr1cg00.pdf	SC27-8417-00	SC34-4826-10	SC34-4826-09
IBM Tivoli Directory Server for z/OS				
z/OS IBM Tivoli® Directory Server Client Programming for z/OS	glp2a110.pdf	SA23-2295-01	SA23-2295-00	SA23-2214-05
z/OS IBM Tivoli Directory Server Administration and Use for z/OS	glp2a210.pdf	SC23-6788-01	SC23-6788-00	SC23-5191-07
z/OS IBM Tivoli Directory Server Plug-in Reference for z/OS	glp2a300.pdf	SA76-0169-00	SA76-0169-00	SA76-0148-01
z/OS IBM Tivoli Directory Server Messages and Codes for z/OS	glp2a410.pdf	SA23-2296-01	SA23-2296-00	SA23-2262-01
ICKDSF				
Device Support Facilities (ICKDSF) User's Guide and Reference	ick4020o.pdf	GC35-0033-41	GC35-0033-40	GC35-0033-38
Integrated Security Services				
z/OS Integrated Security Services EIM Guide and Reference	eim2a100.pdf	SA23-2297-00	SA23-2297-00	SA22-7875-09

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS Integrated Security Services Network Authentication Service Programming	euv2b210.pdf	SC23-6787-01	SC23-6787-00	SC24-5927-08
z/OS Integrated Security Services Network Authentication Service Administration	euv2b310.pdf	SC23-6786-01	SC23-6786-00	SC24-5926-11
z/OS V2R1.0 Open Cryptographic Services Facility Service Provider Module Developer's Guide and Reference	cds2a200.pdf	SC14-7514-00	SC14-7514-00	
z/OS Open Cryptographic Services Facility Application Programming	cds2a101.pdf	SC14-7513-01	SC14-7513-00	
z/OS Integrated Security Services Open Cryptographic Enhanced Plug-ins Application Programming	ceq2a100.pdf	SC14-7568-00	SC14-7568-00	
ISPF				
z/OS ISPF User's Guide Volume II	isp2u210.pdf	SC19-3628-01	SC19-3628-00	SC34-4823-10
z/OS ISPF Services Guide	isp2sg10.pdf	SC19-3626-01	SC19-3626-00	SC34-4819-10
z/OSISPF User's Guide Volume I	isp2ug10.pdf	SC19-3627-01	SC19-3627-00	SC34-4822-10
z/OS ISPF SCLM Guide and Reference	isp2sc10.pdf	SC19-3625-01	SC19-3625-00	SC34-4817-11
z/OS ISPF Reference Summary	isp2rs10.pdf	SC19-3624-01	SC19-3624-00	SC34-4816-10
z/OS ISPF Planning and Customizing	isp2pc10.pdf	GC19-3623-01	GC19-3623-00	GC34-4814-09

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS ISPF Messages and Codes	isp2mc10.pdf	SC19-3622-01	SC19-3622-00	SC34-4815-10
z/OS ISPF Edit and Edit Macros	isp2em10.pdf	SC19-3621-01	SC19-3621-00	SC34-4820-10
z/OS ISPF DTL Guide	isp2dt10.pdf	SC19-3620-01	SC19-3620-00	SC34-4824-09
z/OS ISPF Dialog Developer's Guide and Reference	isp2dg10.pdf	SC19-3619-01	SC19-3619-00	SC34-4821-09
JES2				
Network Job Entry (NJE) Formats and Protocols	has2y210.pdf	SA32-0988-01	SA32-0988-00	SA22-7539-02
z/OS JES Application Programming	has2z110.pdf	SA32-0987-01	SA32-0987-00	SA23-2240-03
z/OS JES2 Commands	has2w410.pdf	SA32-0990-01	SA32-0990-00	SA22-7526-14
z/OS JES2 Data Areas Volume 1	has2a910.pdf	GA32-0997-01	GA32-0997-00	GA32-0845-00
z/OS JES2 Data Areas Volume 2	N/A	N/A	GA32-0998-00	GA32-0846-00
z/OS JES2 Data Areas Volume 3	N/A	N/A	GA32-0999-00	GA32-0847-00
z/OS JES2 Data Areas Volume 4	N/A	N/A	GA32-1000-00	GA32-0848-00
z/OS JES2 Data Areas Volume 5	N/A	N/A	GA32-1001-00	GA32-0849-00
z/OS JES2 Diagnosis	has2t700.pdf	GA32-0993-00	GA32-0993-00	GA22-7531-10
z/OS JES2 Macros	has2q010.pdf	SA32-0996-01	SA32-0996-00	SA22-7536-11
z/OS JES2 Initialization and Tuning Guide	has2v510.pdf	SA32-0991-01	SA32-0991-00	SA22-7532-12
z/OS JES2 Initialization and Tuning Reference	has2u610.pdf	SA32-0992-01	SA32-0992-00	SA22-7533-12
z/OS JES2 Introduction	has2s800.pdf	SA32-0994-00	SA32-0994-00	SA22-7535-08
z/OS JES2 Installation Exits	has2r910.pdf	SA32-0995-01	SA32-0995-00	SA22-7534-13
z/OS JES2 Messages	has2x310.pdf	SA32-0989-02	SA32-0989-01	SA22-7537-13

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
IBM Knowledge Center for z/OS				
IBM Knowledge Center for z/OS Configuration and User's Guide	hkc3z100.pdf	SC27-6805-00		
Language Environment				
z/OS Language Environment Vendor Interfaces	cee1v210.pdf	SA38-0688-03	SA38-0688-02	SA22-7568-12
z/OS Language Environment Programming Guide for 64-bit Virtual Addressing Mode	cee1m200.pdf	SA38-0689-00	SA38-0689-00	SA22-7569-06
z/OS Language Environment Runtime Messages	cee19210.pdf	SA38-0686-03	SA38-0686-02	SA22-7566-12
z/OS Language Environment Concepts Guide	cee18200.pdf	SA38-0687-00	SA38-0687-00	SA22-7567-12
z/OS Language Environment Runtime Application Migration Guide	cee16200.pdf	GA32-0912-00	GA32-0912-00	GA22-7565-12
z/OS Language Environment Customization	cee15210.pdf	SA38-0685-01	SA38-0685-00	SA22-7564-13
z/OS Language Environment Writing Interlanguage Communication Applications	cee14200.pdf	SA38-0684-00	SA38-0684-00	SA22-7563-08
z/OS Language Environment Programming Guide	cee12210.pdf	SA38-0682-02	SA38-0682-01	SA22-7561-12
z/OS Language Environment Programming Reference	cee13210.pdf	SA38-0683-01	SA38-0683-00	SA22-7562-13
z/OS Language Environment Debugging Guide	cee11210.pdf	GA32-0908-02	GA32-0908-01	GA22-7560-12

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
Library Server				
Library Server: Getting Started	eph3z110.pdf	GI11-9481-01	GI11-9481-00	SC31-6376-07
Installing, Managing, Using Online Library	ab0in030.pdf	GC31-8311-48	GC31-8311-47	GC31-8311-46
IBM Softcopy Librarian V5: Users Guide	ebrscl20.pdf	GC23-3414-17	GC23-3414-16	GC23-3414-16
IBM BookManager READ/MVS: Installation Planning and Customization	eox04m07.pdf	SC38-2035-00	SC38-2035-00	SC38-2035-00
IBM BookManager READ/MVS: Displaying Online Books	eox03m07.pdf	SC38-2034-00	SC38-2034-00	SC38-2034-00
IBM BookManager READ/MVS: Getting Started	eox02m05.pdf	SC38-2033-00	SC38-2033-00	SC38-2033-00
IBM BookManager READ/MVS and BUILD/MVS: General Information	eox01m05.pdf	GC38-2032-00	GC38-2032-00	GC38-2032-00
METAL C Runtime Library				
z/OS Metal C Programming Guide and Reference	ccr1u210.pdf	SC14-7313-02	SC14-7313-01	SA23-2225-05
Network File System (NFS)				
z/OS Network File System Guide and Reference	cpn2co10.pdf	SC23-6883-01	SC23-6883-00	SC26-7417-13
Open Systems Adapter Support Facility (OSA/SF)				

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
zEnterprise® Systems Open Systems Adapter-Express Customer's Guide and Reference	ioa2z1e0.pdf	SA22-7935-17	SA22-7935-15	SA22-7935-14
Open Systems Adapter- Integrated Console Controller User's Guide	ioa2m120.pdf	SA22-7990-01	SA22-7990-00	
Open Systems Adapter- Express3 Integrated Console Controller 3215 Support	ioa2sp00.pdf	SA23-2247-00	SA23-2247-00	
Open Systems Adapter Support Facility (OSA/SF) on HMC	ioa2sf10.pdf	SC14-7580-01	SC14-7580-00	
Open Systems Adapter- Express3 Integrated Console Controller Dual-Port User's Guide	ioa2dp20.pdf	SA23-2266-02	SA23-2266-02	SA23-2266-00
SMP/E				
SMP/E for z/OS User's Guide	gim3ug01.pdf	SA23-2277-01	SA23-2277-00	SA22-7773-19
SMP/E for z/OS Reference	gim3rf01.pdf	SA23-2276-01	SA23-2276-00	SA22-7772-16
SMP/E for z/OS Messages, Codes, and Diagnosis	gim3md10.pdf	GA32-0883-02	GA32-0883-01	GA22-7770-17
SMP/E for z/OS Commands	gim3cm01.pdf	SA23-2275-01	SA23-2275-00	SA22-7771-15
TSO/E				
z/OS TSO/E Administration	ikj2n200.pdf	SA32-0977-00	SA32-0977-00	SA22-7780-00
z/OS TSO/E CLISTs	ikj2i210.pdf	SA32-0978-01	SA32-0978-00	SA22-7781-07
z/OS TSO/E Command Reference	ikj2l210.pdf	SA32-0975-01	SA32-0975-00	SA22-7782-14

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS TSO/E Customization	ikj2h210.pdf	SA32-0976-01	SA32-0976-00	SA22-7783-12
z/OS TSO/E General Information	ikj2j200.pdf	SA32-0979-00	SA32-0979-00	SA22-7784-04
z/OS TSO/E Guide to the Server-Requester Programming Interface	ikj2f200.pdf	SA32-0980-00	SA32-0980-00	SA22-7785-01
z/OS TSO/E Messages	ikj2m210.pdf	SA32-0970-01	SA32-0970-00	SA22-7786-11
z/OS TSO/E Primer	ikj2p200.pdf	SA32-0984-00	SA32-0984-00	SA22-7787-02
z/OS TSO/E Programming Guide	ikj2k210.pdf	SA32-0981-01	SA32-0981-00	SA22-7788-04
z/OS TSO/E Programming Services	ikj2b210.pdf	SA32-0973-01	SA32-0973-00	SA22-7789-09
z/OS TSO/E REXX Reference	ikj2a210.pdf	SA32-0972-01	SA32-0972-00	SA22-7790-10
z/OS TSO/E REXX User's Guide	ikj2g200.pdf	SA32-0982-00	SA32-0982-00	SA22-7791-01
z/OS TSO/E System Diagnosis: Data Areas	ikj2q210.pdf	GA32-0983-01	GA32-0983-00	GA22-7792-07
z/OS TSO/E System Programming Command Reference	ikj2e210.pdf	SA32-0974-01	SA32-0974-00	SA22-7793-05
z/OS TSO/E User's Guide	ikj2o200.pdf	SA32-0971-00	SA32-0971-00	SA22-7794-06
IBM z/OS System Management (z/OSMF)				
IBM z/OS Management Facility Online Help	<p>The most current information is available in the help that ships with z/OSMF. Helps are also available at:</p> <ul style="list-style-type: none"> • for V1R13: http://www.ibm.com/support/knowledgecenter/SSLTBW/zosmf_welcome.html • for V2R1: http://www.ibm.com/support/knowledgecenter/SSLTBW_2.1.0/com.ibm.zos.v2r1.izu/izu.htm • for V2R2: http://www.ibm.com/support/knowledgecenter/SSLTBW_2.2.0/com.ibm.zos.v2r2.izu/izu.htm 			

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
IBM z/OS Management Facility License Information	N/A	N/A	GC52-1386-00	GC52-1263-03
Program Directory for IBM z/OS Management Facility	N/A	N/A	GI11-9847-00	GI11-2886-02
IBM z/OS Management Facility Configuration Guide	izu23200.pdf	SC27-8419-00	SA38-0657-04	SA38-0652-07
IBM z/OS Management Facility Programming Guide	izu27200.pdf	SC27-8420-00	SA32-1066-04	N/A
IBM z/OS Management Facility Messages	N/A	N/A	N/A	SA38-0654-02
z/OS UNIX System Services				
z/OS Using REXX and z/OS UNIX System Services	bpx1rx10.pdf	SA23-2283-01	SA23-2283-00	SA22-7806-14
z/OS UNIX System Services Command Reference	bpx1cd10.pdf	SA23-2280-02	SA23-2280-01	SA22-7802-14
z/OS UNIX System Services File System Interface Reference	bpx1fr10.pdf	SA23-2285-01	SA23-2285-00	SA22-7808-13
z/OS UNIX System Services Messages and Codes	bpx1mc10.pdf	SA23-2284-02	SA23-2284-01	SA22-7807-12
z/OS UNIX System Services Planning	bpx1pg10.pdf	GA32-0884-01	GA32-0884-00	GA22-7800-19
z/OS UNIX System Services Programming: Assembler Callable Services Reference	bpx2cr10.pdf	SA23-2281-02	SA23-2281-01	SA22-7803-14

Table 1. z/OS Base element publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS UNIX System Services Programming Tools	bpx1pt01.pdf	SA23-2282-01	SA23-2282-01	SA22-7805-08
z/OS UNIX System Services User's Guide	bpx1ug00.pdf	SA23-2279-00	SA23-2279-00	SA22-7801-14

z/OS V2R2 optional features

Table 2 contains the z/OS V2R2 PDF file name and order number listed by feature name, and order numbers for V2R1 and V1R13 editions.

Table 2. V2R2 optional feature publications

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
C/C++, Curses				
Standard C++ Library Reference	cbc1s200.pdf	SC14-7309-00	SC14-7309-00	SC09-4949-05
z/OS C Curses	bpx1b200.pdf	SA38-0690-00	SA38-0690-00	SA22-7820-00
z/OS XL C/C++ Compiler and Runtime Migration Guide for the Application Programmer	cbc1m210.pdf	GC14-7306-02	GC14-7306-01	GC09-4913-10
z/OS XL C/C++ Language Reference	cbc1l210.pdf	SC14-7308-02	SC14-7308-01	SC09-4815-11
z/OS XL C/C++ Messages	cbc1d210.pdf	GC14-7305-02	GC14-7305-01	GC09-4819-09
z/OS XL C/C++ Programming Guide	cbc1p210.pdf	SC14-7315-02	SC14-7315-01	SC09-4765-13
z/OS XL C/C++ User's Guide	cbc1u210.pdf	SC14-7307-02	SC14-7307-01	SC09-4767-11
z/OS XL C/C++ Runtime Library Reference	edc1b210.pdf	SC14-7314-02	SC14-7314-01	SA22-7821-13
DFSMSdss				
z/OS DFSMSdss Storage Administration	dgt3u210pdf	SC23-6868-03	SC23-6868-02	SC35-0423-17
DFSMShsm				
z/OS DFSMShsm Diagnosis	dgt3r410.pdf	GC52-1387-01	GC52-1387-00	GC52-1083-07

Table 2. V2R2 optional feature publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS DFSMShsm Implementation and Customization Guide	dgt3i410.pdf	SC23-6869-02	SC23-6869-01	SC35-0418-12
z/OS DFSMShsm Storage Administration	dgt3s610.pdf	SC23-6871-03	SC23-6871-02	SC35-0421-14
z/OS DFSMShsm Managing Your Own Data	dgt3u310.pdf	SC23-6870-01	SC23-6870-00	SC35-0420-10
z/OS DFSMShsm Data Areas	dgt3da10.pdf	GC14-7504-02	GC14-7504-00	
DFSMSrmm				
z/OS DFSMSrmm Diagnosis Guide	dgt3g310.pdf	SC23-6876-01	SC23-6876-00	GY27-7619-11
z/OS DFSMSrmm Application Programming Interface	dgt3a11.pdf	SC23-6872-01	SC23-6872-00	SC26-7403-11
z/OS DFSMSrmm Implementation and Customization Guide	dgt3c810.pdf	SC23-6874-01	SC23-6874-00	SC26-7405-12
z/OS DFSMSrmm Managing and Using Removable Media	dgt3r310.pdf	SC23-6873-01	SC23-6873-00	SC26-7404-12
z/OS DFSMSrmm Reporting	dgt3rr10.pdf	SC23-6875-01	SC23-6875-00	SC26-7406-11
DFSMSStvs				
z/OS DFSMSStvs Administration Guide	dat3gu00.pdf	GC52-1388-00	GC52-1388-00	GC26-7483-00
z/OS DFSMSStvs Planning and Operating Guide	dat3pg00.pdf	SC23-6877-00	SC23-6877-00	SC26-7348-00
DFSORT				

Table 2. V2R2 optional feature publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS DFSORT Tuning Guide	ice2ct10.pdf	SC23-6882-01	SC23-6882-00	SC26-7526-02
z/OS DFSORT Messages, Codes and Diagnosis Guide	ice2cm10.pdf	SC23-6879-01	SC23-6879-00	SC26-7525-06
z/OS DFSORT Installation and Customization	ice2ci10.pdf	SC23-6881-01	SC23-6881-00	SC26-7524-03
z/OS DFSORT Application Programming Guide	ice2ca10.pdf	SC23-6878-01	SC23-6878-00	SC26-7523-07
z/OS DFSORT: Getting Started	ice2cg10.pdf	SC23-6880-01	SC23-6880-00	SC26-7527-06
GDDM-PGF and GDDM-REXX:	See http://www-01.ibm.com/software/applications/gddm/library/			
Hardware Configuration Manager (HCM)				
z/OS and z/VM HCM User's Guide	eeq2ug10.pdf	SC34-2670-02	SC34-2670-01	SC33-7989-13
Infoprint Server				
z/OS Infoprint Server Customization	aop1c010.pdf	SA38-0691-01	SA38-0691-00	S544-5744-12
z/OS Infoprint Server Introduction	aop1i010.pdf	SA38-0692-01	SA38-0692-00	S544-5742-11
z/OS Infoprint Server Messages and Diagnosis	aop1m010.pdf	GA32-0927-01	GA32-0927-00	G544-5747-11
z/OS Infoprint Server Operation and Administration	aop1o010.pdf	SA38-0693-01	SA38-0693-00	S544-5745-12
z/OS Infoprint Server User's Guide	aop1v010.pdf	SA38-0695-01	SA38-0695-00	S544-5746-11
z/OS Infoprint Server Printer Inventory for PSF	aop1pi10.pdf	SA38-0694-01	SA38-0694-00	S510-7703-03
JES3				
z/OS JES3 Diagnosis	iat2p110.pdf	GA32-1002-01	GA32-1002-00	GA22-7547-10

Table 2. V2R2 optional feature publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS JES3 Initialization and Tuning Guide	iat2n210.pdf	SA32-1003-01	SA32-1003-00	SA22-7549-11
z/OS JES3 Introduction	iat2m300.pdf	SA32-1004-00	SA32-1004-00	SA22-7551-07
z/OS JES3 Initialization and Tuning Reference	iat2k410.pdf	SA32-1005-01	SA32-1005-00	SA22-7550-11
z/OS JES3 Customization	iat2j510.pdf	SA32-1006-01	SA32-1006-00	SA22-7542-10
z/OS JES3 Messages	iat2h610.pdf	SA32-1007-01	SA32-1007-00	SA22-7552-12
z/OS JES3 Commands	iat2g710.pdf	SA32-1008-01	SA32-1008-00	SA22-7540-11
z/OS JES3 Diagnosis Reference	iat2f810.pdf	GA32-1009-01	GA32-1009-00	GA22-7548-10
z/OS JES3 Data Areas Volume 1	iat2q110.pdf	GA32-1011-01	GA32-1011-00	GA32-0850-00
z/OS JES3 Data Areas Volume 2	iat2r210.pdf	GA32-1012-01	GA32-1012-00	GA32-0851-00
z/OS JES3 Data Areas Volume 3	N/A	N/A	GA32-1013-00	GA32-0852-00
Resource Measurement Facility (RMF)				
z/OS RMF Programmer's Guide	erb2pg10.pdf	SC34-2667-02	SC34-2667-01	SC33-7994-14
z/OS RMF Reference Summary	erb2rs00.pdf	SX33-9034-00	SX33-9034-00	SX33-9033-05
z/OS RMF Report Analysis	erb2ra10.pdf	SC34-2665-02	SC34-2665-01	SC33-7991-19
z/OS RMF User's Guide	erb2ug10.pdf	SC34-2664-02	SC34-2664-01	SC33-7990-19
z/OS RMF Messages and Codes	erb2me10.pdf	SC34-2666-01	SC34-2666-00	SC33-7993-13
System Display and Search Facility (SDSF)				
z/OS SDSF Operation and Customization	isf5cs10.pdf	SA23-2274-02	SA23-2274-01	SA22-7670-15
Security Server RACF				

Table 2. V2R2 optional feature publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
z/OS Security Server RACF Auditor's Guide	ich2a810.pdf	SA23-2290-01	SA23-2290-00	SA22-7684-13
z/OS Security Server RACF Callable Services	ich2d110.pdf	SA23-2293-01	SA23-2293-00	SA22-7691-15
z/OS Security Server RACF Command Language Reference	ich2a410.pdf	SA23-2292-01	SA23-2292-00	SA22-7687-16
z/OS Security Server RACF Data Areas	ich2c410.pdf	GA32-0885-01	GA32-0885-00	GA22-7680-13
z/OS Security Server RACF Diagnosis Guide	ich2b210.pdf	GA32-0886-01	GA32-0886-00	GA22-7689-14
z/OS Security Server RACF General User's Guide	ich2a110.pdf	SA23-2298-01	SA23-2298-00	SA22-7685-05
z/OS Security Server RACF Macros and Interfaces	ich2a310.pdf	SA23-2288-01	SA23-2288-00	SA22-7682-15
z/OS Security Server RACROUTE Macro Reference	ich2c610.pdf	SA23-2294-01	SA23-2294-00	SA22-7692-14
z/OS Security Server RACF Messages and Codes	ich2a610.pdf	SA23-2291-01	SA23-2291-00	SA22-7686-16
z/OS Security Server RACF Security Administrator's Guide	ich2a710.pdf	SA23-2289-01	SA23-2289-00	SA22-7683-15
z/OS Security Server RACF System Programmer's Guide	ich2a210.pdf	SA23-2287-01	SA23-2287-00	SA22-7681-13
Additional publications available in the z/OS Library				
z/OS V2R1 Program Directory	e0zpdz10.pdf	GI11-9848-01	GI11-9848-00	
Ported Tools				

Table 2. V2R2 optional feature publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
IBM Ported Tools for z/OS: OpenSSH User's Guide	fot1zo00.pdf	SC27-6806-00	SA23-2246-02	SA23-2246-01
IBM Ported Tools for z/OS: Supplementary Toolkit for z/OS Feature User's Guide and Reference			SA23-2234-03	SA23-2234-00
IBM Print Transforms and Print Services Facility™ for z/OS				
PSF for z/OS: Licensed Program Specifications	apsl9430.pdf	G550-0431-03	G550-0431-03	G550-0431-03
PSF for z/OS: AFP Download Plus	aps4dp40.pdf	S550-0433-05	S550-0433-05	S550-0433-04
PSF for z/OS: Download for z/OS	aps4dw40.pdf	S550-0429-04	S550-0429-04	S550-0429-03
PSF for z/OS: Security Guide	apsb0430.pdf	S550-0434-03	S550-0434-03	S550-0434-03
PSF for z/OS: Diagnosis	aps4dg40.pdf	G550-0428-04	G550-0428-04	G550-0428-03
PSF for z/OS: User's Guide	aps4ug40.pdf	S550-0435-04	S550-0435-04	S550-0435-03
PSF for z/OS: Customization	aps4cu40.pdf	S550-0427-04	S550-0427-04	S550-0427-03
PSF for z/OS: Introduction	aps4in40.pdf	G550-0430-04	G550-0430-04	G550-0430-03
PSF for z/OS: Messages and Codes	aps4mg40.pdf	G550-0432-04	G550-0432-04	G550-0432-03
Page Printer Formatting Aid: User's Guide	ib6p011b.pdf	S544-5284-11	S544-5284-11	S544-5284-11
AFP Conversion and Indexing Facility User's Guide	aps4ac40.pdf	S550-0436-04	S550-0436-04	S550-0436-03

Table 2. V2R2 optional feature publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
IBM Print Transform from AFP to PostScript for Infoprint Server for z/OS Licensed Program Specifications	aoklc100.pdf	G325-2637-00	G325-2637-00	G325-2637-00
IBM Print Transform from AFP to PDF for Infoprint Server for z/OS Licensed Program Specifications	aoklb100.pdf	G325-2636-00	G325-2636-00	G325-2636-00
IBM Print Transform from AFP to PCL for Infoprint Server for z/OS Licensed Program Specifications	aokla100.pdf	G325-2635-00	G325-2635-00	G325-2635-00
IBM Print Transforms from AFP for Infoprint Server for z/OS	aokfa102.pdf	G325-2634-02	G325-2634-02	G325-2634-02
IBM Infoprint Transforms to AFP for z/OS	aop2ta20.pdf	G550-0443-05	G550-0443-05	G550-0443-04
IBM Infoprint XT for z/OS: Licensed Program Specifications	aio3l000.pdf	GI11-9493-00	GI11-9493-00	GI11-9493-00
IBM Infoprint XT for z/OS	aio3u001.pdf	GI11-9492-01	GI11-9492-01	GI11-9492-00
IBM Infoprint Transforms to AFP for z/OS Licensed Program Specifications	aop2lt20.pdf	G550-0445-03	G550-0445-03	G550-0445-02
IBM Infoprint Coaxial Printer Support for z/OS Licensed Program Specifications	aoplc200.pdf	G550-0447-00	G550-0447-00	G550-0447-00

Table 2. V2R2 optional feature publications (continued)

Element and title	V2R2 PDF name	V2R2 order number	V2R1 order number	V1R13 order number
IBM Tivoli System Automation for z/OS	See IBM Tivoli System Automation for z/OS (http://publib.boulder.ibm.com/tividd/td/IBMTivoliSystemAutomationforzOS3.2.html)			

Appendix. Accessibility

Accessible publications for this product are offered through IBM Knowledge Center (<http://www.ibm.com/support/knowledgecenter/SSLTBW/welcome>).

If you experience difficulty with the accessibility of any z/OS information, send a detailed message to the "Contact us" web page for z/OS (<http://www.ibm.com/systems/z/os/zos/webqs.html>) or use the following mailing address.

IBM Corporation
Attention: MHVRCFS Reader Comments
Department H6MA, Building 707
2455 South Road
Poughkeepsie, NY 12601-5400
United States

Accessibility features

Accessibility features help users who have physical disabilities such as restricted mobility or limited vision use software products successfully. The accessibility features in z/OS can help users do the following tasks:

- Run assistive technology such as screen readers and screen magnifier software.
- Operate specific or equivalent features by using the keyboard.
- Customize display attributes such as color, contrast, and font size.

Consult assistive technologies

Assistive technology products such as screen readers function with the user interfaces found in z/OS. Consult the product information for the specific assistive technology product that is used to access z/OS interfaces.

Keyboard navigation of the user interface

You can access z/OS user interfaces with TSO/E or ISPF. The following information describes how to use TSO/E and ISPF, including the use of keyboard shortcuts and function keys (PF keys). Each guide includes the default settings for the PF keys.

- *z/OS TSO/E Primer*
- *z/OS TSO/E User's Guide*
- *z/OS V2R2 ISPF User's Guide Vol I*

Dotted decimal syntax diagrams

Syntax diagrams are provided in dotted decimal format for users who access IBM Knowledge Center with a screen reader. In dotted decimal format, each syntax element is written on a separate line. If two or more syntax elements are always present together (or always absent together), they can appear on the same line because they are considered a single compound syntax element.

Each line starts with a dotted decimal number; for example, 3 or 3.1 or 3.1.1. To hear these numbers correctly, make sure that the screen reader is set to read out

punctuation. All the syntax elements that have the same dotted decimal number (for example, all the syntax elements that have the number 3.1) are mutually exclusive alternatives. If you hear the lines 3.1 USERID and 3.1 SYSTEMID, your syntax can include either USERID or SYSTEMID, but not both.

The dotted decimal numbering level denotes the level of nesting. For example, if a syntax element with dotted decimal number 3 is followed by a series of syntax elements with dotted decimal number 3.1, all the syntax elements numbered 3.1 are subordinate to the syntax element numbered 3.

Certain words and symbols are used next to the dotted decimal numbers to add information about the syntax elements. Occasionally, these words and symbols might occur at the beginning of the element itself. For ease of identification, if the word or symbol is a part of the syntax element, it is preceded by the backslash (\) character. The * symbol is placed next to a dotted decimal number to indicate that the syntax element repeats. For example, syntax element *FILE with dotted decimal number 3 is given the format 3 * FILE. Format 3* FILE indicates that syntax element FILE repeats. Format 3* * FILE indicates that syntax element * FILE repeats.

Characters such as commas, which are used to separate a string of syntax elements, are shown in the syntax just before the items they separate. These characters can appear on the same line as each item, or on a separate line with the same dotted decimal number as the relevant items. The line can also show another symbol to provide information about the syntax elements. For example, the lines 5.1*, 5.1 LASTRUN, and 5.1 DELETE mean that if you use more than one of the LASTRUN and DELETE syntax elements, the elements must be separated by a comma. If no separator is given, assume that you use a blank to separate each syntax element.

If a syntax element is preceded by the % symbol, it indicates a reference that is defined elsewhere. The string that follows the % symbol is the name of a syntax fragment rather than a literal. For example, the line 2.1 %OP1 means that you must refer to separate syntax fragment OP1.

The following symbols are used next to the dotted decimal numbers.

? indicates an optional syntax element

The question mark (?) symbol indicates an optional syntax element. A dotted decimal number followed by the question mark symbol (?) indicates that all the syntax elements with a corresponding dotted decimal number, and any subordinate syntax elements, are optional. If there is only one syntax element with a dotted decimal number, the ? symbol is displayed on the same line as the syntax element, (for example 5? NOTIFY). If there is more than one syntax element with a dotted decimal number, the ? symbol is displayed on a line by itself, followed by the syntax elements that are optional. For example, if you hear the lines 5 ?, 5 NOTIFY, and 5 UPDATE, you know that the syntax elements NOTIFY and UPDATE are optional. That is, you can choose one or none of them. The ? symbol is equivalent to a bypass line in a railroad diagram.

! indicates a default syntax element

The exclamation mark (!) symbol indicates a default syntax element. A dotted decimal number followed by the ! symbol and a syntax element indicate that the syntax element is the default option for all syntax elements that share the same dotted decimal number. Only one of the syntax elements that share the dotted decimal number can specify the ! symbol. For example, if you hear the lines 2? FILE, 2.1! (KEEP), and 2.1 (DELETE), you know that (KEEP) is the

default option for the FILE keyword. In the example, if you include the FILE keyword, but do not specify an option, the default option KEEP is applied. A default option also applies to the next higher dotted decimal number. In this example, if the FILE keyword is omitted, the default FILE(KEEP) is used. However, if you hear the lines 2? FILE, 2.1, 2.1.1! (KEEP), and 2.1.1 (DELETE), the default option KEEP applies only to the next higher dotted decimal number, 2.1 (which does not have an associated keyword), and does not apply to 2? FILE. Nothing is used if the keyword FILE is omitted.

*** indicates an optional syntax element that is repeatable**

The asterisk or glyph (*) symbol indicates a syntax element that can be repeated zero or more times. A dotted decimal number followed by the * symbol indicates that this syntax element can be used zero or more times; that is, it is optional and can be repeated. For example, if you hear the line 5.1* data area, you know that you can include one data area, more than one data area, or no data area. If you hear the lines 3* , 3 HOST, 3 STATE, you know that you can include HOST, STATE, both together, or nothing.

Notes:

1. If a dotted decimal number has an asterisk (*) next to it and there is only one item with that dotted decimal number, you can repeat that same item more than once.
2. If a dotted decimal number has an asterisk next to it and several items have that dotted decimal number, you can use more than one item from the list, but you cannot use the items more than once each. In the previous example, you can write HOST STATE, but you cannot write HOST HOST.
3. The * symbol is equivalent to a loopback line in a railroad syntax diagram.

+ indicates a syntax element that must be included

The plus (+) symbol indicates a syntax element that must be included at least once. A dotted decimal number followed by the + symbol indicates that the syntax element must be included one or more times. That is, it must be included at least once and can be repeated. For example, if you hear the line 6.1+ data area, you must include at least one data area. If you hear the lines 2+, 2 HOST, and 2 STATE, you know that you must include HOST, STATE, or both. Similar to the * symbol, the + symbol can repeat a particular item if it is the only item with that dotted decimal number. The + symbol, like the * symbol, is equivalent to a loopback line in a railroad syntax diagram.

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