

z/OS



# Information Roadmap

*Version 1 Release 12*



z/OS



# Information Roadmap

*Version 1 Release 12*

**Note**

Before using this information and the product it supports, be sure to read the general information under "Notices" on page 71.

**Thirteenth Edition, September 2010**

This is a major revision of SA22-7500-12

This edition applies to Version 1 Release 12 of z/OS (5694-A01), and to all subsequent releases and modifications until otherwise indicated in new editions.

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## About this document

z/OS® is an advanced-technology, highly secure, scalable, high-performance enterprise operating system on which to build and deploy Internet and Java-enabled applications, providing a comprehensive and diverse application execution environment.

This document supports z/OS (5694-A01); it describes the information for the base elements and optional features included in z/OS.

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## How to use this document

For an explanation of how to obtain and use z/OS documents, see Chapter 1, “Accessing, viewing, and printing z/OS documentation,” on page 1, which describes the information available with z/OS.

For descriptions of the documents associated with z/OS elements and features, see Chapter 2, “z/OS document descriptions,” on page 9. The document descriptions can help you become familiar with the information included with z/OS and how it is organized.

For a list of the titles and order numbers of the z/OS documents, see Table 1 on page 53.





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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 give us any other feedback that you might have.

Use one of the following methods to send us your comments:

1. Send an email to [mhvrcfs@us.ibm.com](mailto:mhvrcfs@us.ibm.com)
2. Visit the Contact z/OS web page at <http://www.ibm.com/systems/z/os/zos/webqs.html>
3. Mail the comments to the following address:  
IBM Corporation  
Attention: MHVRCFS Reader Comments  
Department H6MA, Building 707  
2455 South Road  
Poughkeepsie, NY 12601-5400  
U.S.A.
4. Fax the comments to us as follows:  
From the United States and Canada: 1+845+432-9405  
From all other countries: Your international access code +1+845+432-9405

Include the following information:

- Your name and address
- Your email address
- Your telephone or fax number
- The publication title and order number:  
*z/OS Information Roadmap*  
SA22-7500
- The topic and page number 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 your comments in any way it believes appropriate without incurring any obligation to you.

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

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## If you have a technical problem

Do not use the feedback methods listed above. Instead, do one of the following:

- Contact your IBM service representative
- Call IBM technical support
- Visit the IBM zSeries support web page at <http://www.ibm.com/systems/z/support/>



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# Summary of changes

## Summary of changes for SA22-7500-13 z/OS Version 1 Release 12

This document contains information previously presented in *z/OS Information Roadmap*, SA22-7500 SA22-7500-12, which supports z/OS Version 1 Release 11.

The following summarizes the changes to that information.

### New information

The "Readers' Comments - We'd Like to Hear from You" section at the back of this publication has been replaced with a new "How to send your comments to IBM" section at the front of this publication, located between the "About this document" and "Summary of changes" sections. The hardcopy mail-in form has been replaced with a page that provides information appropriate for submitting readers comments to IBM.

A new book has been added to support the new product, IBM z/OS Management Facility:

- *IBM z/OS Management Facility Configuration Guide*, SA38-0652.

A new book has been added to the IBM Tivoli Directory Server library:

- *IBM Tivoli Directory Server Messages and Codes for z/OS*, SA23-2262.

### Changed information

*z/OS Support for Unicode: Using Unicode Services* has been retitled to *z/OS Unicode Services User's Guide and Reference*.

### Deleted information

The MVS, JES2, and JES3 Data Area books are not formally available (no document numbers) from the collection kit or from the respective libraries. Instead, they are only available by searching on the z/OS Library Web site.

- z/OS V1R12.0 MVS Data Areas, Vol 1
- z/OS V1R12.0 MVS Data Areas, Vol 2
- z/OS V1R12.0 MVS Data Areas, Vol 3
- z/OS V1R12.0 MVS Data Areas, Vol 4
- z/OS V1R12.0 MVS Data Areas, Vol 5
- z/OS V1R12.0 MVS Data Areas, Vol 6
- z/OS V1R12.0 JES2 Data Areas, Vol 1
- z/OS V1R12.0 JES2 Data Areas, Vol 2
- z/OS V1R12.0 JES2 Data Areas, Vol 3
- z/OS V1R12.0 JES2 Data Areas, Vol 4
- z/OS V1R12.0 JES2 Data Areas, Vol 5
- z/OS V1R12.0 JES3 Data Areas, Vol 1
- z/OS V1R12.0 JES3 Data Areas, Vol 2
- z/OS V1R12.0 JES3 Data Areas, Vol 3

## Summary of changes for SA22-7500-12 z/OS Version 1 Release 11

This document contains information previously presented in *z/OS Information Roadmap*, SA22-7500 SA22-7500-11, which supports z/OS Version 1 Release 10.

The following summarizes the changes to that information.

### **New information**

A new book has been added to the Communications Server library:

- *z/OS V1R11 Communications Server: SNA ACF/TAP Trace Analysis Handbook*, GC23-8588.

A new book has been added to the Open Systems Adapter library:

- *System z9 and eServer zSeries Open Systems Adapter-Express Integrated Controller 3215 Support*, SA23-2247.

### **Changed information**

*DFSMSdss Storage Administration Guide* has been retitled to *DFSMSdss Storage Administration*.

*DFSMSShsm Storage Administration Guide* has been retitled to *DFSMSShsm Storage Administration*.

*DFSMS Storage Administration Reference* has been retitled to *DFSMSdfp Storage Administration*. Additionally, some information from this book has been moved:

- DFSMSdss section (Part 2) is moved into *DFSMSdss Storage Administration*.
- DFSMSShsm section (Part 3) is moved into *DFSMSShsm Storage Administration*.
- DFSMSdfp section (Part 1) remains in the current book, *DFSMSdfp Storage Administration*.

### **Deleted information**

The following books have been removed from the library:

- *C/C++ Legacy Class Libraries Reference*, SC09-7652.
- *IBM Open Class Library Transition Guide*, SC09-4948.
- *z/OS Integrated Security Services LDAP Client Programming*, SC24-5924
- *z/OS Integrated Security Services LDAP Server Administration and Use*, SC24-5923

### **Summary of changes for SA22-7500-11 z/OS Version 1 Release 10**

This document contains information previously presented in *z/OS Information Roadmap*, SA22-7500 z/OS Information Roadmap-10, which supports z/OS Version 1 Release 9.

The following summarizes the changes to that information.

### **New information**

A new book has been added to the MVS library to provide capacity provisioning information:

- *z/OS MVS Capacity Provisioning User's Guide*, SC33-8299

A new book has been added to the IBM Tivoli Directory Server library to provide information on writing Lightweight Directory Access Protocol (LDAP) client applications:

- *IBM Tivoli Directory Server Plug-in Reference for z/OS*, SA76-0148

A new book has been added to the Infoprint Server library that describes the Infoprint Server Printer Inventory for Print Services Facility (PSF):

- *z/OS Infoprint Server Printer Inventory for PSF*, S510-7703

A new book has been added to the JES library to provide application programming information for both JES2 and JES3:

- *z/OS JES Application Programming*, SA23-2240

A new book has been added to the Language Environment library to provide migration information for Enterprise COBOL for z/OS:

- *Enterprise COBOL for z/OS Migration Guide*, GC23-8527

### **Changed information**

In *z/OS Communications Server: IP Configuration Guide*, SC31-8775, we have reorganized information for two heavily used applications, FTP and Telnet. To enhance usability, we have restructured much of this information into tasks and supporting conceptual information.

*z/OS Communications Server: IP Network and Application Design Guide*, SC31-8885, is also being restructured to provide more task-oriented and descriptive information.

Some information from existing JES books has been moved to the new book, *z/OS JES Application Programming* :

- From *z/OS JES2 Initialization and Tuning*: "JES2 Spool Data Set Browse" in Appendix B and Appendix C, "The External Writer".
- From *z/OS JES3 Initialization and Tuning*: Appendix A, "The External Writer".
- From *z/OS MVS Using the Subsystem Interface*: Chapter 4, "JES Client/Server Print Interface".



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## Chapter 1. Accessing, viewing, and printing z/OS documentation

The following topics explain how you can obtain z/OS information on the Internet, and in softcopy or hardcopy.

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### Accessing z/OS information on the Internet

z/OS documentation is available on the Internet in BookManager® and PDF format for all z/OS releases at:

<http://www.ibm.com/systems/z/os/zos/bkserv/>

IBM provides alternate ways to navigate the z/OS library on the Internet.

- **z/OS Information Center**

The z/OS Information Center delivers product documentation using the IBM Eclipse Help System framework. The content of the z/OS Information Center (information for z/OS base elements and optional features) is identical to what is in the traditional BookManager and PDF formats, however the presentation differs to some degree. An advantage to using the information center is that it is indexed by Google and other internet search engines, so locating information is easier. Additionally, you can create custom search scopes that include only the information you need for a particular task or job role.

- **Library Center for z/OS**

The Library Center for z/OS provides a Windows Explorer-like view of the contents of the z/OS and Software Products DVD Collection, using the IBM Library Server with advanced search functions to help you find exactly the information you need.

### Cross-book linking among z/OS books

z/OS books include softcopy links that let you jump directly from one softcopy book to another. While reading a z/OS book, you can place the cursor under the highlighted title of a referenced z/OS book and click the mouse or press Enter to open that book. After searching and reading the related material, you can close the referenced book to return to the original book. For example, Chapter 2, “z/OS document descriptions,” on page 9 contains links to the softcopy books that it describes.

Cross-book linking works for z/OS books in both BookManager and PDF format. For PDFs, the links are indicated by blue highlighting around a document or topic reference, and the linking PDFs must be in the same directory. For BookManager, cross-book linking is supported by BookManager READ/MVS on z/OS. The linked books must be uploaded to z/OS and must be located on the same bookshelf.

Cross-book linking also works among z/OS PDFs and BookManager books (served by Library Server) on the z/OS Internet library. Links on the z/OS Internet library work across elements and bookshelves. If several versions of a target book exist on the Internet library, Library Server lets you select the version you want. Cross-book linking for PDFs and book files also works among the books on the same DVD.

PDFs link to each other by file name, and IBM® changes a book's file name whenever the document is updated. Thus a link from an unchanged PDF may not connect to a new edition of a target book, because the new edition has a new file

## Ordering Information

name. However, a link from an unchanged PDF will still connect to its original target book. Therefore, if you maintain your own PDF repository, IBM recommends that you keep multiple levels of PDFs together in the same directory, to minimize unresolved links. By contrast, BookManager documents link to each other by their base order numbers, which stay the same from release to release, so an unchanged BOOK file can link successfully to an updated target BOOK file, as long as they are on the same bookshelf.

Another fact about linking with PDFs: when you link from one PDF to another and press the Adobe Reader's back navigation button, you return to the original spot in the first PDF. If you make the same link within a browser on the Internet, the browser's back button takes you to the cover of the first PDF. With Library Server, however, the back button in a browser will take you back to the original spot in the first book.

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## Information on DVD

When you order z/OS, you automatically receive the comprehensive DVD collection, which is a combination of the latest *z/OS Collection* and the *z/OS Software Products Collection* with selected Redbooks® from the *IBM @server zSeries® Redbooks Collection*. The documents are provided in both BookManager and PDF formats when available. This collection also includes the contents of the zFavorites for zSeries CD (see below for details).

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## Related information on CD-ROM

You can purchase the following collections individually, or when you order z/OS you can purchase them by subscriptions. Purchasing a subscription entitles you to automatic shipment of all updates to the collection as long as z/OS version is orderable. If you purchase an individual copy of a collection, you do not get updates to it. Individual copies are priced lower because you receive only one edition of the collection.

- ***z/OS Software Products Collection***, SK3T-4270  
Includes libraries for multiple releases of related software products that run on z/OS. All documents are provided in BookManager format and in PDF format, when available. When you order the collection as a feature of z/OS, you receive a continuing subscription for a one-time price.
- ***z/OS Security Server RACF® Collection***, SK3T-4272  
Includes z/OS Security Server and other software product documents that contain significant information about z/OS Security Server RACF in one package. The z/OS Security Server documents are provided in PDF and BookManager formats; the other documents are provided in BookManager format only. This collection also includes other materials of interest to the RACF Security Administrator. When you order the collection as a feature of z/OS, you receive a continuing subscription for a one-time price.
- ***IBM @server zSeries Redbooks Collection***, SK3T-7876  
Includes IBM Redbooks that apply to the zSeries platform and to host networking. The documents are arranged into subject bookshelves such as “Application Development zSeries Redbooks” and “Networking zSeries Redbooks.” When you order the collection as a feature of z/OS, you receive a continuing subscription for a one-time price.



## zFavorites for zSeries CD

To find the most popular z/OS and zSeries information on the Web, order a copy of:

- **zFavorites for zSeries**, GK3T-4331

A mini-CD full of Internet links, the zFavorites for zSeries CD connects you to the most popular z/OS and zSeries Web sites, including the LookAt and wizards sites for interactive help and configuration dialogs. zFavorites also points to helpful information sites by categories such as products, product documentation, software and solutions, support and more. A copy of the zFavorites CD is shipped with the *z/OS Hot Topics Newsletter* z/OS Hot Topics Newsletter and the contents of the zFavorites for zSeries CD is included on the z/OS Version 1 Release 12 and Software Products DVD Collection.

For the online version of zFavorites, see:

<http://www.ibm.com/systems/z/os/zos/zfavorites/>

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## Viewing and printing z/OS softcopy information

There are a number of ways that you can view and print z/OS information, depending on your needs and what facilities are available to you. IBM provides the *z/OS Collection* and the *z/OS and z/OS Software Products DVD Collection*, which contain BookManager and PDF formats of the z/OS documents. Both softcopy formats (as well as additional documents and information) are also available from the z/OS Internet library at:

<http://www.ibm.com/systems/z/os/zos/bkserv/>

A BookManager softcopy document is the same file, regardless of the BookManager product or the operating system that you are using. The z/OS product includes both BookManager READ and Library Server (formerly BookManager BookServer) as base elements.

You can view and print PDF files using the Adobe Reader available free on the Internet at: <http://www.adobe.com/prodindex/acrobat/>.

The method that you use to access and print documents or sections of documents will depend on whether your company has established its own softcopy repository of IBM information, or whether you are accessing the information on the Internet or from the DVD.

## Viewing softcopy information

Here are some common methods that you can use to view z/OS softcopy information.

- If your company has established a softcopy repository on z/OS:
  - BookManager READ/MVS allows users on the z/OS system to access and read documents.
  - Library Server (BookManager BookServer) allows users to access and read documents over an Internet or intranet connection using an HTML browser.
- If you are accessing the information from IBM's z/OS Internet library:
  - Almost all of the z/OS documents are provided as BookManager documents, and they can be accessed and searched from your browser using the functions provided by Library Server (BookManager BookServer.)
  - The z/OS documents are also provided in PDF format. Although the primary purpose for providing these files is for printing, they can also be viewed online.

## Ordering Information

- Some documents are provided as HTML files, and they can be accessed and searched using your browser functions.
- If you are accessing the information from CD-ROM (such as the *z/OS Collection*):
  - The BookManager softcopy can be viewed online using any supported IBM BookManager reader, such as the IBM Softcopy Reader, which can be installed from the tools disc of the *z/OS Collection*. IBM readers allow you to read any BookManager document.
  - The PDF files can be viewed online using the Adobe Reader. If you need information on installing and using an Adobe Reader, see the Adobe Web site at <http://www.adobe.com>.
- The documents can also be accessed in repositories on other operating systems by using the BookManager READ products or Adobe Readers for those systems.

## Printing softcopy information

You can print hardcopy when you need it from the softcopy files provided for the z/OS documentation, whether you are accessing those files from DVD, the z/OS Internet library, or a local repository or Web site.

- If you are viewing a softcopy file and you want hardcopy of a topic or two, you can print from the BOOK or PDF file you are viewing.
- For a complete hardcopy document that looks like a traditional manual you would order from IBM, print the PDF file for the document.

## Printing a PDF file

In the workstation environment, you use an Adobe Reader to view and print PDF files. For large or graphically complex documents that need to be printed on an 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 PDFs from a host repository you can use z/OS and the optional Infoprint Server feature to expand your options for printing PDF files.

### Using an Adobe Reader

Install an Adobe Reader on your computer. The *z/OS Collection* contains a recent level of an Adobe Reader (at no extra charge), which you can install using the tools disc. You can also go to the Adobe Web site at [www.adobe.com](http://www.adobe.com) for other readers or more information.

- Open the PDF you want to print. The PDF can be on a CD-ROM, DVD, on the z/OS Internet library, or any where you can view it with an Adobe Reader
- Select the Reader's Print option
- Select the desired printer and specify other print options as appropriate.
- Click OK.

If you decide to print a subset of a document from a PDF file, the pages (as understood by Adobe Reader) are totally sequential. The Reader views the front cover as page 1. There are no Roman numeral page numbers for the front matter, no section numbering. When you specify the pages to print, enter the page numbers from the Reader's point of view. Check the page box at the bottom of the screen and not as they appear on the individual pages of the document.

### Using a LAN- or host-attached AFP printer

It's not feasible to print large or graphically complex PDF files on the typical desktop or LAN-attached printer. z/OS Infoprint Server with Infoprint Transforms to AFP for

z/OS (5655-N60) allows you to print high-quality hardcopy of PDF files on high-speed LAN-attached or host-attached AFP printers managed by PSF for z/OS.

Workstation users on a LAN connected to z/OS can print PDFs from a CD-ROM, the Web, or the LAN. Host users can print PDFs from an MVS™ or HFS data set, such as a host repository of softcopy files, or PDFs uploaded from a CD-ROM. For details, see the documentation for Infoprint Server and Infoprint Transforms on the *z/OS Collection* or on the z/OS Internet library at:

<http://www.ibm.com/systems/z/os/zos/bkserv/>

## Printing from a BOOK file

How to print topics from a BOOK file depends on how you are viewing that file:

- From your workstation, with IBM Softcopy Reader (for example, to read a BOOK file from a CD-ROM).
- From the z/OS Internet library, which uses Library Server (IBM BookManager BookServer) to display BookManager files.
- From a z/OS host, with BookManager READ.

Because the printout is from the BOOK file itself, the output looks like the BOOK file, with numbered sections and subsections instead of page numbers. You should only use the BOOK file to print a topic or two, and not the whole document.

### Using IBM Softcopy Reader

To print the topic you are currently viewing:

- Click the Print icon or go to File --> Print to open a Print window.
- Click the Current® button. This opens your workstation Print window.
- Complete the print options in your workstation Print window, then click OK to print the current topic.

To print selected topics:

- Select the desired topics in the "table of contents" frame.
- Hold down the Shift key to select a list of topics, or hold down the Ctrl key to select specific topics.
- Click the Print icon or go to File --> Print to open a Print window.
- Click the Selected button. This opens your workstation Print window.
- Complete the print options in your workstation Print window, then click OK to print the selected topics.

### Using the z/OS Internet library

Printing from the z/OS Internet library gives you a very high-quality output. To print the topic you are currently viewing:

- Click your browser Print icon. Follow the usual steps for printing from your browser.

To print select topics:

- Click the Library Server (BookManager BookServer) Print icon (not your browser Print icon) to a Print Preview window.
- Highlight the desired topics from the selection box. Hold down the Shift key to select a list of topics or hold down the Ctrl key to select specific topics.
- Click the Selected topics button. You then see a formatted preview of the topics.

## Ordering Information

- Use your browser's print facility to produce a hardcopy document of the information shown.

To print a whole document: the Library Server on the z/OS Internet library displays an icon for the corresponding PDF file, if available, next to each BOOK file on a bookshelf. If you find a document you want to print in its entirety under Library Server, you can click the corresponding PDF file and print it as described in “Printing a PDF file” on page 4.

### Using BookManager READ

If your company has established a softcopy repository on z/OS, you can use the Print option of BookManager READ to get hardcopy of a topic or two. However, BookManager READ by itself (without other programs such as DCF and BookMaster<sup>®</sup>, which are not part of z/OS) provides a lower quality print than printing from Library Server. It is essentially a screen print.

Sometimes, though, BookManager READ may be the only available option. In that case, here's how to proceed.

- Open the document.
- Set your print options by selecting the Options pull-down menu.
- Select option 5 (Set print options) and specify the desired options.
- Use the PRINT command to print one or more topics in the document. (BookManager READ/MVS invokes the ISPF panels you normally use to print at your site.)
- Enter the command in one of the following ways:
  - PRINT PRINT topic1
  - PRINT topic1 TO topic2
  - PRINT topic1 FOR number-of-topics.

To print the current topic, enter the PRINT command without operands. To print all of a topic (such as 1.0), including its subtopics: enter the next topic number (such as 2.0), then prev. Make note of the last topic number (for example, 1.6.4), then enter the PRINT command with the complete range (PRINT 1.0 TO 1.6.4).

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## Hardcopy documents

When you order z/OS, you receive the following hardcopy documents:

- *z/OS Hot Topics Newsletter*, GA22-7501
- *z/OS Program Directory*, GI10-0670

For other books, PDF files provide the best form of hardcopy. See “Viewing and printing z/OS softcopy information” on page 3 for information on printing the books provided in PDF format on the z/OS Internet library or the z/OS Collection. A few books are also orderable in hardcopy; you can order them as described in “Ordering hardcopy documents or softcopy collections” on page 7. Table 1 on page 53 indicates whether a document is available in hardcopy. You can also order hardcopy documents by using the IBM Publications Center on the World Wide Web, located at:

<http://www.ibm.com/publications/servlet/pbi.wss>

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## Ordering hardcopy documents or softcopy collections

The document you are reading, *z/OS Information Roadmap* (SA22-7500), provides descriptions of the z/OS documents and softcopy collections. It is helpful if you are planning to order hardcopy documents or softcopy collections.

### In the U.S. and other countries

For a fee, you can order hardcopy documents or softcopy collections by one of the following methods:

- Access the IBM Publications Center on the World Wide Web, located at:  
<http://www.ibm.com/publications/servlet/pbi.wss>  
Select a country and then “Search for publications”

The IBM Publications Center accepts orders by credit card and, in many countries, by customer number. See the Publications Center Web site for details.

- Contact your IBM representative or call your local IBM office and ask for the documentation department.

### In the U.S. only

For a fee, you can order hardcopy documents or softcopy collections by using a toll-free “800” telephone number or by sending an order form to IBM by fax or direct mail as follows:

**Phone:**

1-800-879-2755 (for individual copies)  
1-800-426-2255 and mention priority code LE001 (for softcopy collection features)

**Fax:** 1-800-445-9269

**Direct mail:**

IBM Corporation  
PO Box 29570  
Raleigh, NC 27626-0570

You can order hardcopy documents or softcopy collections using the IBM Publications Center at:

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## Chapter 2. z/OS document descriptions

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

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### **z/OS system-level documents**

This section describes documentation that applies to z/OS as a whole, not to a specific element in z/OS.

*z/OS Hot Topics Newsletter* z/OS Hot Topics Newsletter

**GA22-7501**

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

*z/OS Information Roadmap* (the document you are now reading)

**SA22-7500**

Describes the information associated with z/OS including z/OS system-level documents and documents for the participating elements and features.

*z/OS Introduction and Release Guide*

**GA22-7502**

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

*z/OS Licensed Program Specifications*

**GA22-7503**

Provides the warranty for z/OS. It is provided in PDF format only.

*z/OS Migration*

**GA22-7499**

Provides information on how to migrate to z/OS Version 1 Release 12 from previous releases of z/OS.

*z/OS Planning for Installation*

**GA22-7504**

Helps you write an installation plan by providing the following information:

- Basics of z/OS
- 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

An installation plan skeleton is included in the document. For the interactive edition of this document, see the **z/OS Installation Planning Wizard** at:

<http://www.ibm.com/systems/z/os/zos/wizards/>

*z/OS Planning for Multilevel Security and the Common Criteria*

**GA22-7509**

Describes how to set up a secure system across z/OS elements to ensure compliance to Common Criteria Certification.

*z/OS Planning for Sub-Capacity Pricing*

**SA22-7999**

Describes how to plan for and set up your system for subcapacity pricing for IBM products.

*System z Platform Test Report for z/OS and Linux Virtual Servers*

**SA22-7997**

The zSeries Platform Test Report documents the efforts of a team of IBM z/Architecture testers and system programmers simulating a customer production environment. This quarterly report describes cross-product and integrated testing in a Parallel Sysplex and includes testing of elements and features of z/OS that are not necessarily sysplex oriented. z/OS and sysplex customers should find this experience-driven information extremely useful.

*z/OS Program Directory*

**GI10-0670**

Contains information concerning the material and procedures associated with the installation of z/OS Version 1 Release 12. The z/OS Program Directory is not an orderable publication.

*z/OS Summary of Message and Interface Changes*

**SA22-7505**

Describes the changes to messages and interfaces for individual elements of z/OS. This document is provided in softcopy only on the message bookshelf of the z/OS Version 1 Release 12 Collection.

*z/OS Using the Sub-Capacity Reporting Tool*

**SG24-6522**

Describes the Sub-Capacity Reporting Tool. This document is provided in softcopy only on the Internet at:

<http://www.ibm.com/systems/z/resources/swprice/subcap/scrt/>

*z/OS DOC APAR and PTF ++HOLD Documentation*

**GA22-7820**

Contains the latest information updates from z/OS Documentation APARs and PTF cover letters. Updated weekly, this online document lists documentation changes before they are incorporated into z/OS publications. This document is available on the web, at:

[http://publibz.boulder.ibm.com/cgi-bin/bookmgr\\_05390/Shelves/ZDOCAPAR](http://publibz.boulder.ibm.com/cgi-bin/bookmgr_05390/Shelves/ZDOCAPAR)

*ServerPac: Using the Installation Dialog*

**SA22-7815**

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<sup>®</sup>, FunctionPac, ProductPac<sup>®</sup>, RefreshPac, or Selective Follow-on Services (SFS).

*IBM Health Checker for z/OS and Sysplex: User's Guide*

**SA22-7994**

Contains information needed to install and use IBM Health Checker for z/OS.

*z/OS Problem Management*



**G325-2564**

Contains information for problem determination and solution.

*z/OS Network Job Entry (NJE) Formats and Protocols***SA22-7539**

Network Job Entry Formats and Protocols explains the Network Job Entry (NJE) formats and protocols used by program products that support networking.

**BDT**

This section describes documents for BDT (Bulk Data Transfer), and the BDT File-to-File and BDT SNA NJE features.

*z/OS BDT Commands***SA22-7512**

Describes all BDT commands.

*z/OS BDT Diagnosis Reference***GA22-7514**

Explains how to request and read a BDT formatted dump, explains how to find and read BDT information in an MVS SVC dump, and shows the layouts of BDT data areas.

*z/OS BDT Installation***GA22-7511**

Explains how to define BDT to MVS and ACF/VTAM, allocate BDT and TQI data sets, write BDT initialization statements, write BDT and TQI start procedures, and write BDT user exit routines.

*z/OS BDT Messages and Codes***SA22-7513**

Explains all BDT messages and completion codes.

**BDT File-to-File***z/OS BDT File-to-File Transaction Guide***SA22-7515**

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

**BookManager**

This section describes documents for BookManager BUILD and BookManager READ.

*IBM BookManager BUILD/MVS: Installation Planning and Customization***SC38-2037**

Describes how to install online documents and bookshelves on the host system. It also explains how to customize BookManager BUILD.

*IBM BookManager READ/MVS and BUILD/MVS: General Information***GC38-2032**

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*

**SC38-2034**

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*

**SC38-2033**

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*

**SC38-2035**

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

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## Common Information Model

*z/OS Common Information Model User's Guide*

**SC33-7998**

The *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.

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## Communications Server

This section describes documents for the Communications Server.

For help in configuring z/OS Communications Server IP, see the **z/OS IP Configuration Wizard** at:

<http://www.ibm.com/systems/z/os/zos/wizards/>

*z/OS Communications Server: New Function Summary*

**GC31-8771**

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 Communications Server: CMIP Services and Topology Agent Guide*

**SC31-8828**

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

*z/OS Communications Server: CSM Guide*

**SC31-8808**

Describes how to use the communications storage manager.

*z/OS Communications Server: IP and SNA Codes*

### **SC31-8791**

Describes the codes associated with SNA and IP.

*z/OS Communications Server: IP Sockets Application Programming Interface Guide and Reference*

### **SC31-8788**

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 Communications Server: IP CICS Sockets Guide*

### **SC31-8807**

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

*z/OS Communications Server: IP Configuration Guide*

### **SC31-8775**

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

*z/OS Communications Server: IP Configuration Reference*

### **SC31-8776**

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

*z/OS Communications Server: IP Diagnosis Guide*

### **GC31-8782**

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 Communications Server: IP IMS Sockets Guide*

### **SC31-8830**

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

*z/OS Communications Server: IP Messages Volume 1 (EZA)*

### **SC31-8783**

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 Communications Server: IP Messages Volume 2 (EZB, EZD)*

### **SC31-8784**

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 Communications Server: IP Messages Volume 3 (EZY)*

### **SC31-8785**

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 Communications Server: IP Messages Volume 4 (EZZ, SNM)*

## Communications Server

### **SC31-8786**

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 Communications Server: IPv6 Network and Application Design Guide*

#### **SC31-8885**

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<sup>®</sup> System Services, and TSO/E.

### *z/OS Communications Server: IP Network Print Facility*

#### **SC31-8833**

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 Communications Server: IP Programmer's Guide and Reference*

#### **SC31-8787**

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<sup>®</sup>, RPC, and NCS).

### *z/OS Communications Server: IP System Administrator's Commands*

#### **SC31-8781**

Describes common IP commands used during system administration and configuration.

### *z/OS Communications Server: IP User's Guide and Commands*

#### **SC31-8780**

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

### *z/OS Communications Server: Quick Reference*

#### **SX75-0124**

Contains essential information about SNA and IP operator commands.

### *z/OS Communications Server: SNA Customization*

#### **SC31-6854**

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

### *z/OS Communications Server: SNA Data Areas Volume 1*

#### **GC31-6852**

Describes SNA data areas and can be used to read a SNA dump. It is intended for IBM programming service representatives and customer personnel who are diagnosing problems with SNA. This volume includes request response units, GDS variable session keys, control vectors and CSM data areas.

### *z/OS Communications Server: SNA Data Areas Volume 2*

#### **GC31-6853**

Describes SNA data areas and can be used to read a SNA dump. It is

intended for IBM programming service representatives and customer personnel who are diagnosing problems with SNA.

*z/OS Communications Server: SNA Diagnosis Vol 1, Techniques and Procedures*  
**GC31-6850**

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 Communications Server: SNA Diagnosis Vol 2, FFST Dumps and the VIT*  
**GC31-6851**

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 Communications Server: SNA Messages*  
**SC31-8790**

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

*z/OS Communications Server: SNA Network Implementation Guide*  
**SC31-8777**

Presents the major concepts involved in implementing a SNA network.

*z/OS Communications Server: SNA Operation*  
**SC31-8779**

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 Communications Server: SNA Programmer's LU 6.2 Guide*  
**SC31-8811**

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

*z/OS Communications Server: SNA Programmer's LU 6.2 Reference*  
**SC31-8810**

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

*z/OS Communications Server: SNA Programming*  
**SC31-8829**

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

*z/OS Communications Server: SNA Resource Definition Reference*  
**SC31-8778**

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

*z/OS Communications Server: SNA Resource Definition Samples*  
**SC31-8836**

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.

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## 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*

#### **SA22-7521**

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*

#### **SA23-2231**

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*

#### **SA22-7522**

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*

#### **SA22-7523**

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

### *z/OS Cryptographic Services ICSF Overview*

#### **SA22-7519**

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

### *z/OS Cryptographic Services ICSF System Programmer's Guide*

#### **SA22-7520**

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

### *z/OS ICSF TKE PCIX Workstation User's Guide*

#### **SA23-2211**

Explains installing, implementing and administering Version 5.0 of 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

- Planning
- Installing
- Administering
- Customizing

- Using

### *z/OS Open Cryptographic Services Facility Application Programming*

#### **SC24-5899**

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*

#### **SC24-5900**

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.

### *z/OS Cryptographic Services System SSL Programming*

#### **SC24-5901**

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*

#### **SA22-7693**

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

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## DCE Base Services

This section describes documents for DCE including DCE Base Services, DCE User Data Privacy (CDMF), and DCE User Data Privacy (DES and CDMF).

### *z/OS DCE Administration Guide*

#### **SC24-5904**

Helps system and network administrators understand DCE, and administer it from the batch, TSO/E, and shell environments.

### *z/OS DCE Application Development Guide: Core Components*

#### **SC24-5905**

Assists programmers in developing applications using application facilities, threads, remote procedure call, distributed time service, and security service.

### *z/OS DCE Application Development Guide: Directory Services*

#### **SC24-5906**

Describes the DCE directory service and assists programmers in developing applications for the cell directory service and the global directory service.



## DCE

*z/OS DCE Application Development Guide: Introduction and Style*

**SC24-5907**

Assists in designing, writing, compiling, linking, and running distributed applications in the DCE environment.

*z/OS DCE Application Development Reference*

**SC24-5908**

Explains the DCE Application Program Interfaces that you can use to write distributed applications on DCE.

*z/OS DCE Command Reference*

**SC24-5909**

Provides reference information for the commands that system and network administrators use to work with DCE.

*z/OS DCE Configuring and Getting Started*

**SC24-5910**

Helps system and network administrators configure DCE.

*z/OS DCE Introduction*

**GC24-5911**

Introduces DCE. Whether you are a system manager, technical planner, system programmer, or application programmer, it will help you understand DCE, and evaluate the uses and benefits of including DCE as part of your information processing environment.

*z/OS DCE Messages and Codes*

**SC24-5912**

Provides detailed explanations and recovery actions for the messages, status codes, and exception codes issued by DCE.

*z/OS DCE Planning*

**GC24-5913**

Helps you plan for the organization and installation of DCE. It discusses the benefits of distributed computing in general, and describes how to develop plans for a distributed system in a z/OS environment.

*z/OS DCE User's Guide*

**SC24-5914**

Describes how to use DCE to work with your user account, use the directory service, work with namespaces, and change access to objects that you own.

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## DFSMS

This section describes documents for DFSMSdfp, DFSMSdss, DFSMSshm, and DFSMSrmm, and DFSMSStvs.

**SC26-7473**

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

*z/OS DFSMS Access Method Services for Catalogs*

**SC26-7394**

Describes IDCAMS commands for using integrated catalog facility catalogs.



*z/OS DFSMS Advanced Copy Services***SC35-0428**

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

*z/OS DFSMSdfp Checkpoint/Restart***SC26-7401**

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

*z/OS DFSMS DFM Guide and Reference***SC26-7395**

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

*z/OS DFSMS Implementing System-Managed Storage***SC26-7407**

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

*z/OS DFSMS Installation Exits***SC26-7396**

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

*z/OS DFSMS Introduction***SC26-7397**

Provides an overview of DFSMS.

*z/OS DFSMS Macro Instructions for Data Sets***SC26-7408**

Contains access method macro instructions for processing user data sets.

*z/OS DFSMS Managing Catalogs***SC26-7409**

Describes techniques for managing integrated catalog facility catalogs.

*z/OS DFSMSdfp Storage Administration***SC26-7402**

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 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.

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

## DFSMS

### **SC26-7514**

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

### *z/OS DFSMS Using Data Sets*

### **SC26-7410**

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

### *z/OS DFSMS Using the Interactive Storage Management Facility*

### **SC26-7411**

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

### *z/OS DFSMS Using Magnetic Tapes*

### **SC26-7412**

Describes techniques for using magnetic tape volumes.

### *z/OS DFSMS Using the Volume Mount Analyzer*

### **SC26-7413**

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

## DFSMSdfp

### *z/OS DFSMSdfp Advanced Services*

### **SC26-7400**

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

### *z/OS DFSMSdfp Diagnosis*

### **GY27-7618**

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*

### **SC35-0425**

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

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

### **SC35-0426**

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*

### **SC35-0427**

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

### *z/OS DFSMSdfp Utilities*

**SC26-7414**

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

**DFSMSdss**

*z/OS DFSMSdss Storage Administration*

**SC35-0423**

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*

**GC52-1083**

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*

**SC35-0418**

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

*z/OS DFSMShsm Managing Your Own Data*

**SC35-0420**

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

*z/OS DFSMShsm Storage Administration*

**SC35-0421**

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.

*DFSMShsm Storage Administration Reference*

**SC35-0422**

The information previously contained in this book has been consolidated into *DFSMS Storage Administration Reference*.

**DFSMSrmm**

*z/OS DFSMSrmm Application Programming Interface*

**SC26-7403**

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

*z/OS DFSMSrmm Diagnosis Guide*

**GY27-7619**

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

*z/OS DFSMSrmm Managing and Using Removable Media*

## DFSMS

### **SC26-7404**

Provides instructions for using DFSMSrmm to manage removable media.

*z/OS DFSMSrmm Implementation and Customization Guide*

### **SC26-7405**

Contains information about implementing and customizing the functions of DFSMSrmm.

*z/OS DFSMSrmm Reporting*

### **SC26-7406**

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*

### **GC26-7483**

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*

### **SC26-7348**

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.

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## DFSORT

This section describes documents for DFSORT.

*z/OS DFSORT Application Programming Guide*

### **SC26-7523**

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*

### **SC26-7527**

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***SC26-7524**

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***SC26-7525**

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***SC26-7526**

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.

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## Distributed File Service

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

*z/OS Distributed File Service Customization***SC24-5916**

Summarizes migration and configuration information of the Distributed File Service.

*z/OS Distributed File Service DFS Administration***SC24-5915**

Provides guidance and reference information for system and network administrators to use with the DCE DFS support of the Distributed File Service.

*z/OS Distributed File Service Messages and Codes***SC24-5917**

Contains Distributed File Service messages and codes.

*z/OS Distributed File Service SMB Administration***SC24-5918**

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/print access used by Windows.

*z/OS Distributed File Service zSeries File System Administration***SC24-5989**

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

## EREP

This section describes documents for EREP.

### *EREP Reference*

#### **GC35-0152**

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*

#### **GC35-0151**

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

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## FFST

This section describes the document for First Failure Support Technology™ (FFST).

### *FFST/MVS FFST/VM Operations Guide*

#### **SC31-8604**

Describes commands for controlling FFST operation and how to use FFST output to identify and analyze software events.

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## GDDM

This section describes documents for GDDM® (including PCLK and OS/2 Link) and GDDM-REXX.

### *GDDM Base Application Programming Guide*

#### **SC33-0867**

Contains guidance information for writing programs that request or receive the services of GDDM.

### *GDDM Base Application Programming Reference*

#### **SC33-0868**

Contains complete descriptions of all the GDDM program calls and their parameters.

### *GDDM Diagnosis*

#### **SC33-0870**

Contains problem determination procedures and information needed to diagnose problems encountered in the use of GDDM.

### *GDDM General Information*

#### **GC33-0866**

Introduces the IBM GDDM series of licensed programs. It also describes new functions, ways in which GDDM is used, software and hardware requirements and the GDDM library.

### *GDDM-GKS Programming Guide and Reference*

#### **SC33-0334**

Describes how to write and run application programs that use GDDM-GKS, the GDDM Graphical Kernel System licensed program.

*GDDM Image View Utility***SC33-0479**

Describes how to use GDDM-IVU interactively and how to use its application programming interface to add image-handling capabilities to data processing systems.

*GDDM Messages***SC33-0869**

Provides the information that helps users respond to messages issued by GDDM.

*GDDM/MVS Program Directory***GC33-1801**

Provides information about installation, including planning, testing, and servicing GDDM information.

*GDDM System Customization and Administration***SC33-0871**

Describes:

- How to set up and maintain device support for GDDM users
- The effects of GDDM's external defaults and how to customize them
- Code-page, font, and symbol-set support, and how to customize them
- Factors that affect GDDM performance and how to tune them
- How to replace modules

*GDDM User's Guide***SC33-0875**

Describes how to display data and how to manipulate, print, plot, and save displayed data. It also describes installing and using GDDM-PCLK and GDDM-OS/2 Link

*GDDM Using the Image Symbol Editor***SC33-0920**

Describes how to use the GDDM Image Symbol Editor to create and edit symbols.

**GDDM-PGF**

This section describes documents for GDDM-PGF.

*GDDM-PGF Application Programming Guide***SC33-0913**

Provides guidance information for users of the Interactive Chart Utility (ICU), the ICU application programming interface, and the Presentation Graphics routines.

*GDDM-PGF Interactive Chart Utility***SC33-0328**

Describes how to use the ICU to create and display business graphics.

*GDDM-PGF OPS User's Guide***SC33-1776**

Describes how to use the Online Presentation System (OPS) to create and display dynamic presentations online, to create high quality foils and pictures, and to view online conventional line-mode print files.

### *GDDM-PGF Programming Reference*

#### **SC33-0333**

Provides reference information for users of the application-programming interfaces of GDDM-PGF.

### *GDDM-PGF Vector Symbol Editor*

#### **SC33-0330**

Describes how to use the Vector Symbol Editor to produce symbols and logos for use in charts and other business graphics.

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## Hardware Configuration Definition

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

### *z/OS and z/VM HCD Messages*

#### **SC33-7986**

Describes the messages issued by HCD.

### *z/OS HCD Planning*

#### **GA22-7525**

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

### *z/OS HCD Reference Summary*

#### **SX33-9032**

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.

### *z/OS HCD Scenarios*

#### **SC33-7987**

Contains about 20 scenarios of common hardware configuration tasks.

### *z/OS HCD User's Guide*

#### **SC33-7988**

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.

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## Hardware Configuration Manager

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

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

#### **SC33-7989**

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

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## High Level Assembler

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

### *HLASM General Information*



### **GC26-4943**

Provides an overview of High Level Assembler.

#### *HLASM Installation and Customization Guide*

### **SC26-3494**

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

#### *HLASM Language Reference*

### **SC26-4940**

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

#### *HLASM Programmer's Guide*

### **SC26-4941**

Contains High Level Assembler product usage information.

## High Level Assembler Toolkit

#### *HLASM Toolkit Feature Debug Reference Summary*

### **GC26-8712**

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

#### *HLASM Toolkit Feature Installation and Customization Guide*

### **GC26-8711**

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

#### *HLASM Toolkit Feature Interactive Debug Facility User's Guide*

### **GC26-8709**

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

#### *HLASM Toolkit Feature User's Guide*

### **GC26-8710**

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

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## IBM Encryption Facility

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

#### *Encryption Facility for z/OS: Planning and Customizing*

### **SA23-2229**

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.

#### *Encryption Facility for z/OS: Using Encryption Facility for OpenPGP*

### **SA23-2230**

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

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*  
**SA23-1349**

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.

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## IBM HTTP Server

This section describes documents for IBM HTTP Server.

*z/OS HTTP Server Planning, Installing, and Using*  
**SC34-4826**

This document explains how to plan for, install, configure, and use the IBM HTTP Server. The Programming section explains how to write external programs that interact with the HTTP Server using the Common Gateway Interface (CGI), Go Webserver API (GWAPI), or Lightweight Directory Access Protocol (LDAP) API. The most current version of this document is available at:

<http://www.ibm.com/software/webserver/httpserver/doc53.html>

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## IBM z/OS Management Facility

This section describes the document for IBM z/OS Management Facility.

*z/OS Management Facility Configuration Guide*  
**SA38-0652**

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 WebSphere Application Server OEM Edition for z/OS Configuration Guid*  
**GA38-0631**

This document provides information to set up and configure IBM® WebSphere® Application Server OEM Edition for z/OS. The z/OS system applications that use this product might require additional configuration steps beyond what is described in this document.

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## IBM Tivoli Directory Server

This section describes document supporting IBM Tivoli Directory Server.

*IBM Tivoli Directory Server Client Programming for z/OS,*  
**SA23-2214**

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.

*IBM Tivoli Directory Server Administration and Use,*

### **SC23-5191**

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.

*IBM Tivoli Directory Server Messages and Codes,*

### **SA23-2262**

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

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

### **SA76-0148**

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.

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## **ICKDSF**

This section describes the document for ICKDSF.

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

### **GC35-0033**

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.

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## **Infoprint Server**

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

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

*z/OS Infoprint Server Printer Inventory for PSF*

### **S510-7703**

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*

## Infoprint Server

### **S544-5742**

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

### *z/OS Infoprint Server Customization*

#### **S544-5744**

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*

#### **G544-5747**

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*

#### **S544-5745**

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*

#### **S544-5746**

Describes for the end user how to submit print jobs to Infoprint Server, using JCL, TCP/IP commands, the AOPPRINT and AOPBATCH JCL procedures, z/OS UNIX System Services commands (lp, lpstat, cancel, the Infoprint Server Port Monitor for Windows, an Internet Printing Protocol (IPP) client, and VTAM applications.

### *Infoprint Transforms to AFP for z/OS*

#### **G550-0443**

This book describes Infoprint Transforms to AFP V2.1 for z/OS (5655-N60). It describes the transforms and how to customize them, submit transform jobs, and diagnose errors. Also, it describes how to migrate from Infoprint Server Transforms V1.1.

### *Infoprint Transforms from AFP for z/OS*

#### **G550-0444**

This book describes V2.1 of these products:

- Infoprint Transform for AFP to HP PCL for z/OS (5655-P19)
- Infoprint Transform for AFP to Adobe PDF for z/OS (5655-P20)
- Infoprint Transform for AFP to Adobe PostScript for z/OS (5655-P21)

It describes the transforms and how to customize them, submit transform jobs, and diagnose errors. Also, it describes how to migrate from Infoprint Server Transforms V1.1.

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## Integrated Security Services

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

### *Integrated Security Services Enterprise Identity Mapping (EIM) Guide and Reference*

#### **SA22-7875**

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*

#### **SC24-5926**

Provides an introduction to the z/OS 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*

#### **SC24-5927**

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

### *z/OS Integrated Security Services Open Cryptographic Enhanced Plug-ins Application Programming*

#### **SC24-5925**

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.

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## ISPF

This section describes documents for ISPF.

### *z/OS ISPF Dialog Developer's Guide and Reference*

#### **SC34-4821**

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 ISPF Dialog Tag Language Guide and Reference*

#### **SC34-4824**

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 ISPF Edit and Edit Macros*

#### **SC34-4820**

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 ISPF Messages and Codes*

## ISPF

### **SC34-4815**

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

#### *z/OS ISPF Planning and Customizing*

### **GC34-4814**

Provides planning information and procedures.

#### *z/OS ISPF Reference Summary*

### **SC34-4816**

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 ISPF Services Guide*

### **SC34-4819**

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 ISPF Software Configuration and Library Manager Guide and Reference*

### **SC34-4817**

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

#### *z/OS ISPF User's Guide Vol I*

### **SC34-4822**

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

#### *z/OS ISPF User's Guide Vol II*

### **SC34-4823**

Provides detailed reference and usage information about using ISPF options 0 to 10 and the SuperC and Search-For data set utilities.

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## JES

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

#### *z/OS JES3 Commands*

### **SA22-7540**

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.

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## JES2

This section describes documents for JES2.

#### *z/OS JES2 Commands*

### **SA22-7526**

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*

**GA22-7531**

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*

**SA22-7532**

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*

**SA22-7533**

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

*z/OS JES2 Installation Exits*

**SA22-7534**

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*

**SA22-7535**

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*

**SA22-7536**

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

*z/OS JES2 Messages*

**SA22-7537**

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

## JES3

This section describes documents for JES3.

*z/OS JES3 Commands*

**SA22-7540**

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*

#### **SA22-7542**

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*

#### **GA22-7547**

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

### *z/OS JES3 Diagnosis Reference*

#### **GA22-7548**

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*

#### **SA22-7549**

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

### *z/OS JES3 Initialization and Tuning Reference*

#### **SA22-7550**

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

### *z/OS JES3 Introduction*

#### **SA22-7551**

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*

#### **SA22-7552**

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

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## Language Environment

This section describes documents for Language Environment®.

### *z/OS Language Environment Concepts Guide*

#### **SA22-7567**

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

### *z/OS Language Environment Customization*



### **SA22-7564**

Explains how to customize and maintain Language Environment for z/OS.

### *z/OS Language Environment Debugging Guide*

#### **GA22-7560**

Explains how to debug applications that run with Language Environment, get details on run-time messages, and diagnose problems with Language Environment. Provides assistance with detecting and locating programming errors that occur during run time 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 Language Environment provides. Also included are chapters on debugging HLL-specific routines and routines that run under CICS.

### *z/OS Language Environment Programming Guide*

#### **SA22-7561**

Describes how to:

- Prelink, link, and run (under MVS, TSO/E, or z/OS UNIX System Services) single-language applications written in IBM C, C++, COBOL, PL/I, Fortran, and assembler.
- Effectively use Language Environment callable services and run-time options.
- 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 Guide for 64-bit Virtual Addressing Mode*

#### **SA22-7569**

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 run-time 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*

#### **SA22-7562**

Provides application programmers with a detailed description of each Language Environment run-time 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 Run-Time Messages*

#### **SA22-7566**

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

## Language Environment

### *z/OS Language Environment Run-Time Application Migration Guide*

#### **GA22-7565**

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 run-time options to achieve behavior that is compatible with your old modules.

The following run-time migration guides for specific languages are also provided in softcopy on the z/OS Collection.

- *Enterprise COBOL for z/OS, V4R2, Compiler and Runtime Migration Guide* (GC23-8527)
- *z/OS XL C/C++ Compiler and Run-Time Migration Guide for the Application Programmer* (GC09-4913)
- *Enterprise COBOL for z/OS, V4R2, Programming Guide* (GC27-1409)
- *Enterprise PL/I for z/OS, V3R9, 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 Guide* (SC26-3118)
- *Language Environment for MVS & VM Fortran Run-Time Migration Guide* (SC26-8499)

### *z/OS Language Environment Writing Interlanguage Communication Applications*

#### **SA22-7563**

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

### *z/OS Language Environment Vendor Interfaces*

#### **SA22-7568**

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

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## Library Server

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

### *z/OS IBM BookManager BookServer for World Wide Web: Getting Started*

#### **SC31-8814**

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*

#### **SC31-6376**

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

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## Managed System Infrastructure for Setup

This section describes the documents that support Managed System Infrastructure for Setup (msys for Setup).

*z/OS Managed System Infrastructure for Setup Installation*  
**SC33-7997**

Provides instructions for setting up an environment for msys for Setup and for installing and maintaining msys for Setup. It describes the system environments and the hardware and software requirements for using msys for Setup.

*z/OS Managed System Infrastructure for Setup Messages*  
**SC33-7996**

Contains the messages that are issued by the msys for Setup host and workstation components.

*z/OS Managed System Infrastructure for Setup User's Guide*  
**SC33-7985**

Provides an overview of the objectives and structure of msys for Setup. It describes how to set up products on a z/OS system using the msys for Setup workplace interface.

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## Metal C Runtime Library

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

*z/OS Metal C Programming Guide and Reference*  
**SC33-7997**

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.

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## MVS

This section describes documents for MVS (Base Control Program).

*z/OS Capacity Provisioning*  
**SC33-8299**

Describes capacity planning on z/OS.

*z/OS MVS Device Validation Support*  
**SA22-7586**

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

*z/OS MVS Diagnosis: Reference*  
**GA22-7588**

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*

**GA22-7589**

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***SA22-7590**

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***SA22-7591**

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***SA22-7592**

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.

*z/OS MVS Installation Exits***SA22-7593**

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

*z/OS MVS IPCS Commands***SA22-7594**

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***SA22-7595**

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***SA22-7596**

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

*z/OS MVS JCL Reference***SA22-7597**

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***SA22-7598**

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*

**SA22-7599**

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*

**SA22-7600**

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

*z/OS MVS Planning: Operations*

**SA22-7601**

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*

**SA22-7602**

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*

**SA22-7603**

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*

**SA22-7644**

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

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

**SA22-7643**

Describes the end user interfaces provided by the program management component of z/OS. 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*

**SA22-7605**

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.

*z/OS MVS Programming: Assembler Services Reference, Volumes 1–2*

**SA22-7606**

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

**SA22-7607**

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

These volumes describe how to code the macros and callable services that invoke the services of MVS. These macros and callable services are available to all assembler language programs.

*z/OS MVS Programming: Authorized Assembler Services Guide*

**SA22-7608**

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

*z/OS MVS Programming: Authorized Assembler Services Reference, Volumes 1–4*

**SA22-7609**

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

**SA22-7610**

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

**SA22-7611**

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

**SA22-7612**

*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.

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

**SA22-7613**

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*

**SA22-7614**

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*

**SA22-7615**

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***SA22-7604**

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***SA22-7616**

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

*z/OS MVS Programming: Sysplex Services Guide***SA22-7617**

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 coupling facility.

*z/OS MVS Programming: Sysplex Services Reference***SA22-7618**

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 coupling facility.

*z/OS MVS Programming: Workload Management Services***SA22-7619**

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

*z/OS MVS Programming: Writing Servers for APPC/MVS***SA22-7620**

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***SA22-7621**

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***SA22-7622**

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*



**SA22-7625**

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 coupling facility.

*z/OS Unicode Services User's Guide and Reference*

**SA22-7649**

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

*z/OS MVS System Codes*

**SA22-7626**

Describes system completion and wait state codes.

*z/OS MVS System Commands*

**SA22-7627**

Describes the system commands available to control an MVS system.

*z/OS MVS System Management Facilities (SMF)*

**SA22-7630**

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.

*z/OS MVS System Messages, Volumes 1–10*

**SA22-7631**

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

**SA22-7632**

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

**SA22-7633**

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

**SA22-7634**

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

**SA22-7635**

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

**SA22-7636**

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

**SA22-7637**

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

**SA22-7638**

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

**SA22-7639**

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

**SA22-7640**

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

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

*z/OS MVS Using the Functional Subsystem Interface*



**SA22-7641**

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*

**SA22-7642**

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*

**SC26-7417**

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.

*System z10, System z9 and zSeries OSA-Express Customer's Guide and Reference*

**SA22-7935**

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.

*z900: OSA-2 Planning Guide*

**GA22-7477**

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*

**SA22-7990**

Describes how to use the Open Systems Adapter Integrated Controller.

## Parallel Sysplex

This section describes documents for Parallel Sysplex®. For help setting up a Parallel Sysplex, see **z/OS Parallel Sysplex Customization Wizard** at:

<http://www.ibm.com/systems/z/os/zos/wizards/>

*z/OS Parallel Sysplex Application Migration*

## Parallel Sysplex

### **SA22-7662**

Contains planning considerations for the parallel processing of applications that run on Customer Information Control System (CICS)/ESA and Information Management System (IMS)/ESA.

*z/OS Parallel Sysplex Overview*

### **SA22-7661**

Provides an overview of the sysplex and coupling facility data sharing. It describes basic concepts and the value of the sysplex to your business.

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## Resource Measurement Facility (RMF)

This section describes documents for Resource Measurement Facility.

*z/OS RMF Messages and Codes*

### **SC33-7993**

Explains messages.

*z/OS RMF NewsFLASH*

### **SC33-7995**

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

*z/OS RMF Performance Management Guide*

### **SC33-7992**

Describes how to optimize performance management.

*z/OS RMF Programmer's Guide*

### **SC33-7994**

Describes Resource Measurement Facility programming interfaces.

*z/OS RMF Reference Summary*

### **SX33-9033**

Describes all Resource Measurement Facility commands and options.

*z/OS RMF Report Analysis*

### **SC33-7991**

Describes the content of all Resource Measurement Facility reports.

*z/OS RMF User's Guide*

### **SC33-7990**

Describes all relevant tasks belonging to performance management.

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## 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*

### **SH19-8160**

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

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

**SH19-8179**

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

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

## Run-Time 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 50.

### *z/OS Common Debug Architecture User's Guide*

**SC09-7653**

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*

**SC09-7654**

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*

**SC09-7655**

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*

**SA22-7670**

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

For help in configuration that is required for sysplex support on device and browse panels, see the **z/OS SDSF Customization Wizard** at

<http://www.ibm.com/systems/z/os/zos/wizards/>

## Security Server

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

### *z/OS Security Server RACROUTE Macro Reference*

## Security Server

### **SA22-7692**

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

*z/OS Security Server RACF Auditor's Guide*

### **SA22-7684**

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*

### **SA22-7691**

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

*z/OS Security Server RACF Command Language Reference*

### **SA22-7687**

Contains the functions and syntax of all the RACF commands.

*z/OS Security Server RACF Data Areas*

### **GA22-7680**

Contains descriptions of the data areas used by RACF.

*z/OS Security Server RACF Diagnosis Guide*

### **GA22-7689**

Explains how to diagnose problems in RACF.

*z/OS Security Server RACF Macros and Interfaces*

### **SA22-7682**

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

*z/OS Security Server RACF Messages and Codes*

### **SA22-7686**

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*

### **SA22-7683**

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

*z/OS Security Server RACF System Programmer's Guide*

### **SA22-7681**

Describes how to modify and maintain RACF.

*z/OS Security Server RACF General User's Guide*

### **SA22-7685**

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

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## SMP/E

This section describes documents for SMP/E.

*SMP/E Commands*

**SA22-7771**

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

*SMP/E Messages, Codes, and Diagnosis***GA22-7770**

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 Reference***SA22-7772**

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 User's Guide***SA22-7773**

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***SA22-7780**

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***SA22-7781**

Contains information about creating, structuring, and executing CLISTs.

*z/OS TSO/E Command Reference***SA22-7782**

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***SA22-7783**

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

*z/OS TSO/E General Information*

**SA22-7784**

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***SA22-7785**

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***SA22-7786**

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***SA22-7787**

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***SA22-7788**

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***SA22-7789**

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***SA22-7790**

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***SA22-7791**

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

*z/OS TSO/E System Diagnosis: Data Areas***GA22-7792**

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***SA22-7793**

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

*z/OS TSO/E User's Guide***SA22-7794**

Reinforces basic concepts introduced in *z/OS TSO/E Primer* 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.

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## UNIX System Services

This section describes documents for

- *z/OS UNIX System Services Shells, Utilities, and Debugger*
- *z/OS UNIX System Services Parallel Environment*
- *z/OS UNIX System Services Connection Manager*
- *z/OS UNIX System Services Process Manager*

If you are installing and customizing *z/OS UNIX System Services* for the first time, see the *z/OS UNIX Customization Wizard* at:

<http://www.ibm.com/systems/z/os/zos/wizards/>

*z/OS UNIX System Services Command Reference***SA22-7802**

Provides information that is needed to use a *z/OS* system with the shell and utilities feature as well as TSO/E commands for using *z/OS UNIX*.

*z/OS UNIX System Services Connection Scaling Reference for iBaanERP Solutions***SA22-7809**

Provides information about the installation, programming interfaces, and problem determination tools available for the Connection Manager and Process Manager components of *z/OS UNIX System Services*.

*z/OS UNIX System Services File System Interface Reference***SA22-7808**

Provides details for coding to the *z/OS UNIX System Services* file system interface.

*z/OS UNIX System Services Messages and Codes***SA22-7807**

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

*z/OS UNIX System Services Parallel Environment: MPI Programming and Subroutine Reference***SA22-7812**

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

*z/OS UNIX System Services Parallel Environment: Operation and Use***SA22-7810**

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

## **z/OS UNIX System Services**

### *z/OS UNIX System Services Planning*

#### **GA22-7800**

Contains information needed to plan for the use of UNIX System Services in a z/OS environment.

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

#### **SA22-7803**

Describes z/OS UNIX callable services.

### *z/OS UNIX System Services Programming Tools*

#### **SA22-7805**

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

### *z/OS UNIX System Services User's Guide*

#### **SA22-7801**

Describes how to use the z/OS UNIX shells and file system.

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

#### **SA22-7806**

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

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## **XL C/C++ Compiler**

This section describes documents for the XL C/C++ Compiler feature. For related books of the Run-Time Library Extensions element of z/OS, see "Run-Time Library Extensions" on page 45.

### *z/OS XL C/C++ Language Reference*

#### **SC09-4815**

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

### *z/OS C Curses*

#### **SA22-7820**

Describes programming for the screen management orders known as curses.

### *z/OS XL C/C++ Compiler and Run-Time Migration Guide for the Application Programmer*

#### **GC09-4913**

Provides information for programmers who are migrating to the z/OS 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 z/OS C/C++ compilers; the C/370 libraries; and previous releases of Language Environment.

### *Standard C++ Library Reference*

#### **SC09-4949**

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

### *z/OS XL C/C++ Messages*

#### **GC09-4819**

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



### *z/OS XL C/C++ Programming Guide*

#### **SC09-4765**

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

### *z/OS XL C/C++ Run-Time Library Reference*

#### **SA22-7821**

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

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

#### **SC09-4767**

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



## Chapter 3. z/OS document order numbers

The following table contains the order numbers for z/OS documents for each release.

The **Title** column contains the full title of the document. The **Release** column contains the form number applicable to that release. For information about how to order hardcopy documents, see Chapter 1, “Accessing, viewing, and printing z/OS documentation,” on page 1.

The majority of z/OS documents are available in PDF and BookManager format on the **z/OS Version 1 Release 12 Collection**, on the Internet, and in the z/OS Information Center. The \* indicates that this book is available in hardcopy only and is not on the z/OS Collection. Generally, most documents are not orderable in hardcopy; however, the notation <sup>HC</sup> next to a title indicates that the document can be ordered for a fee in hardcopy. The notation <sup>Web</sup> next to a title indicates that the document is available only on the Internet, in PDF and BookManager format. The document is not on the **z/OS Version 1 Release 12 Collection**, nor is it orderable in hardcopy.

Each time a document is refreshed, whether in softcopy only or both in hardcopy and softcopy, the suffix (dash) level of the document is increased. This increase means that sometimes you might not be able to order a hardcopy of the latest suffix level of a document (for example, if it was refreshed only in softcopy between z/OS releases). See the document abstract for information about how to obtain softcopy. To order hardcopy, you might need to select a lower suffix level in these cases.

If you are reading this document in PDF or BookManager form, in the same directory or bookshelf with the softcopy documents it refers to, you can open a referenced document in this section by placing the cursor under the highlighted title and pressing Enter.

Table 1. z/OS titles, order numbers, and media

Title	Release 9	Release 10	Release 11	Release 12
<b>System-level</b>				
z/OS Hot Topics Newsletter *	GA22-7501-12	GA22-7501-15	GA22-7501-16	GA22-7501-17
z/OS Information Roadmap	SA22-7500-10	SA22-7500-11	SA22-7500-12	SA22-7500-13
z/OS Introduction and Release Guide	GA22-7502-13	GA22-7502-14	GA22-7502-17	GA22-7502-18
z/OS Licensed Program Specifications	GA22-7503-13	GA22-7503-14	GA22-7503-15	GA22-7503-16
z/OS Migration	GA22-7499-11	GA22-7499-13	GA22-7499-15	GA22-7499-17
z/OS Planning for Installation	GA22-7504-17	GA22-7504-18	GA22-7504-21	GA22-7504-23
z/OS Planning for Multilevel Security and the Common Criteria	GA22-7509-07	GA22-7509-09	GA22-7509-09	GA22-7509-09
z/OS Planning for Sub-Capacity Pricing	SA22-7999-03	SA22-7999-04	SA22-7999-05	SA22-7999-06
System z Platform Test Report for z/OS and Linux Virtual Servers	SA22-7997-04	SA22-7997-05	SA22-7997-09	SA22-7997-09
z/OS Program Directory	GI10-0670-09	GI10-0670-10	GI10-0670-11	GI10-0670-12

## Order Numbers by Release

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
z/OS Summary of Message and Interface Changes	SA22-7505-11	SA22-7505-12	SA22-7505-15	SA22-7505-16
Using the Sub-Capacity Reporting Tool <b>Web</b>	SG24-6522-19	SG24-6522-20	SG24-6522-23	SG24-6522-24
z/OS DOC APAR and PTF ++HOLD Documentation, Volumes 1 and 2 , Vols. 1 & 2 <b>Web</b>	GA22-7820-09	GA22-7820-10	GA22-7820-11	GA22-7820-12
ServerPac: Using the Installation Dialog	SA22-7815-14	SA22-7815-15	SA22-7815-16	SA22-7815-17
IBM Health Checker for z/OS: User's Guide	SA22-7994-05	SA22-7994-06	SA22-7994-09	SA22-7994-10
z/OS Problem Management	G325-2564-01	G325-2564-02	G325-2564-03	G325-2564-07
Network Job Entry (NJE) Formats and Protocols	SA22-7539-02	SA22-7539-02	SA22-7539-02	SA22-7539-02
<b>Bulk Data Transfer (BDT)</b>				
z/OS BDT Commands	SA22-7512-02	SA22-7512-02	SA22-7512-02	SA22-7512-02
z/OS BDT Diagnosis Reference	GA22-7514-01	GA22-7514-01	GA22-7514-01	GA22-7514-01
z/OS BDT Installation	GA22-7511-01	GA22-7511-01	GA22-7511-01	GA22-7511-01
z/OS BDT Messages and Codes	SA22-7513-04	SA22-7513-04	SA22-7513-04	SA22-7513-04
<b>BDT File-to-File</b>				
z/OS BDT File-to-File Transaction Guide	SA22-7515-01	SA22-7515-01	SA22-7515-01	SA22-7515-01
<b>BookManager</b>				
IBM BookManager BUILD/MVS: Installation Planning and Customization <b>HC</b>	SC38-2037-00	SC38-2037-00	SC38-2037-00	SC38-2037-00
IBM BookManager READ/MVS and BUILD/MVS: General Information <b>HC</b>	GC38-2032-00	GC38-2032-00	GC38-2032-00	GC38-2032-00
IBM BookManager READ/MVS: Displaying Online Books	SC38-2034-00	SC38-2034-00	SC38-2034-00	SC38-2034-00
IBM BookManager READ/MVS: Getting Started	SC38-2033-00	SC38-2033-00	SC38-2033-00	SC38-2033-00
IBM BookManager READ/MVS: Installation Planning and Customization <b>HC</b>	SC38-2035-00	SC38-2035-00	SC38-2035-00	SC38-2035-00
<b>Common Information Model (CIM)</b>				
z/OS Common Information Model User's Guide	SC33-7998-02	SC33-7998-03	SC33-7998-06	SC33-7998-07
<b>Communications Server</b>				
z/OS Communications Server: CMIP Services and Topology Agent Guide	SC31-8828-03	SC31-8828-03	SC31-8828-04	SC31-8828-04
z/OS Communications Server: CSM Guide	SC31-8808-01	SC31-8808-01	SC31-8808-02	SC31-8808-02

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
z/OS Communications Server: IP and SNA Codes	SC31-8791-07	SC31-8791-08	SC31-8791-09	SC31-8791-10
z/OS Communications Server: IP Sockets Application Programming Interface Guide and Reference	SC31-8788-06	SC31-8788-07	SC31-8788-08	SC31-8788-09
z/OS Communications Server: IP CICS Sockets Guide	SC31-8807-04	SC31-8807-05	SC31-8807-06	SC31-8807-07
z/OS Communications Server: IP Configuration Guide	SC31-8775-11	SC31-8775-12	SC31-8775-15	SC31-8775-17
z/OS Communications Server: IP Configuration Reference	SC31-8776-12	SC31-8776-13	SC31-8776-16	SC31-8776-18
z/OS Communications Server: IP Diagnosis Guide	GC31-8782-08	GC31-8782-09	GC31-8782-10	GC31-8782-11
z/OS Communications Server: IP IMS Sockets Guide	SC31-8830-03	SC31-8830-03	SC31-8830-05	SC31-8830-06
z/OS Communications Server: IP Messages Volume 1 (EZA)	SC31-8783-08	SC31-8783-09	SC31-8783-10	SC31-8783-11
z/OS Communications Server: IP Messages Volume 2 (EZB, EZD)	SC31-8784-07	SC31-8784-08	SC31-8784-09	SC31-8784-11
z/OS Communications Server: IP Messages Volume 3 (EZY)	SC31-8785-07	SC31-8785-08	SC31-8785-09	SC31-8785-10
z/OS Communications Server: IP Messages Volume 4 (EZZ, SNM)	SC31-8786-09	SC31-8786-10	SC31-8786-11	SC31-8786-13
z/OS Communications Server: New Function Summary	GC31-8771-03	GC31-8771-04	GC31-8771-05	GC31-8771-06
z/OS Communications Server: IPv6 Network and Application Design Guide	SC31-8885-05	SC31-8885-06	SC31-8885-07	SC31-8885-08
z/OS Communications Server: IP Network Print Facility	SC31-8833-00	SC31-8833-00	SC31-8833-01	SC31-8833-01
z/OS Communications Server: IP Programmer's Guide and Reference	SC31-8787-09	SC31-8787-10	SC31-8787-11	SC31-8787-12
z/OS Communications Server: IP System Administrator's Commands	SC31-8781-07	SC31-8781-08	SC31-8781-09	SC31-8781-10
z/OS Communications Server: IP User's Guide and Commands	SC31-8780-07	SC31-8780-08	SC31-8780-09	SC31-8780-09
z/OS Communications Server: Quick Reference	SX75-0124-07	SX75-0124-08	SX75-0124-09	SX75-0124-10
z/OS Communications Server: SNA Customization	SC31-6854-02	SC31-6854-02	SC31-6854-03	SC31-6854-03
z/OS Communications Server: SNA Data Areas Volume 1	GC31-6852-02	GC31-6852-03	GC31-6852-03	GC31-6852-03
z/OS Communications Server: SNA Data Areas Volume 2	GC31-6853-02	GC31-6853-03	GC31-6853-03	GC31-6853-03

## Order Numbers by Release

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
z/OS Communications Server: SNA Diagnosis Vol 1, Techniques and Procedures	GC31-6850-02	GC31-6850-03	GC31-6850-04	GC31-6850-05
z/OS Communications Server: SNA Diagnosis Vol 2, FFST Dumps and the VIT	GC31-6851-02	GC31-6851-03	GC31-6851-04	GC31-6851-05
z/OS Communications Server: SNA Messages	SC31-8790-07	SC31-8790-08	SC31-8790-09	SC31-8790-10
z/OS Communications Server: SNA Network Implementation Guide	SC31-8777-07	SC31-8777-08	SC31-8777-09	SC31-8777-10
z/OS Communications Server: SNA Operation	SC31-8779-07	SC31-8779-08	SC31-8779-09	SC31-8779-10
z/OS Communications Server: SNA Programmer's LU 6.2 Reference	SC31-8810-00	SC31-8810-00	SC31-8810-01	SC31-8810-01
z/OS Communications Server: SNA Programmer's LU 6.2 Guide	SC31-8811-00	SC31-8811-00	SC31-8811-01	SC31-8811-01
z/OS Communications Server: SNA Programming	SC31-8829-01	SC31-8829-01	SC31-8829-02	SC31-8829-03
z/OS Communications Server: SNA Resource Definition Reference	SC31-8778-08	SC31-8778-09	SC31-8778-10	SC31-8778-11
z/OS Communications Server: SNA Resource Definition Samples	SC31-8836-03	SC31-8836-03	SC31-8836-05	SC31-8836-05
<b>Cryptographic Services</b>				
z/OS Cryptographic Services Integrated Cryptographic Service Facility Administrator's Guide	SA22-7521-10	SA22-7521-13	SA22-7521-13	SA22-7521-14
z/OS Cryptographic Services Integrated Cryptographic Service Facility Application Programmer's Guide	SA22-7522-09	SA22-7522-11	SA22-7522-12	SA22-7522-13
z/OS Cryptographic Services Integrated Cryptographic Service Facility Messages	SA22-7523-09	SA22-7523-10	SA22-7523-12	SA22-7523-13
z/OS Cryptographic Services Integrated Cryptographic Service Facility Overview	SA22-7519-09	SA22-7519-11	SA22-7519-12	SA22-7519-13
z/OS Cryptographic Services Integrated Cryptographic Service Facility System Programmer's Guide	SA22-7520-10	SA22-7520-12	SA22-7520-13	SA22-7520-14
z/OS Cryptographic Services ICSF Trusted Key Entry PCIX Workstation User's Guide	SA23-2211-02	SA23-2211-02	SA23-2211-04	SA23-2211-05
z/OS Cryptographic Services Integrated Cryptographic Service Facility Writing PKCS #11 Applications	SA23-2231-00	SA23-2231-00	SA23-2231-01	SA23-2231-02

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
z/OS Cryptographic Services System SSL Programming	SC24-5901-06	SC24-5901-07	SC24-5901-08	SC24-5901-09
z/OS Cryptographic Services PKI Services Guide and Reference	SA22-7693-09	SA22-7693-10	SA22-7693-11	SA22-7693-12
<b>DCE Base Services</b>				
z/OS DCE Administration Guide <b>HC</b>	SC24-5904-00	SC24-5904-00	SC24-5904-00	SC24-5904-00
z/OS DCE Application Development Guide: Core Components <b>HC</b>	SC24-5905-00	SC24-5905-00	SC24-5905-00	SC24-5905-00
z/OS DCE Application Development Guide: Directory Services <b>HC</b>	SC24-5906-00	SC24-5906-00	SC24-5906-00	SC24-5906-00
z/OS DCE Application Development Guide: Introduction and Style <b>HC</b>	SC24-5907-00	SC24-5907-00	SC24-5907-00	SC24-5907-00
z/OS DCE Application Development Reference <b>HC</b>	SC24-5908-00	SC24-5908-00	SC24-5908-00	SC24-5908-00
z/OS DCE Command Reference <b>HC</b>	SC24-5909-00	SC24-5909-00	SC24-5909-00	SC24-5909-00
z/OS DCE Configuring and Getting Started <b>HC</b>	SC24-5910-00	SC24-5910-00	SC24-5910-00	SC24-5910-00
z/OS DCE Introduction	GC24-5911-00	GC24-5911-00	GC24-5911-00	GC24-5911-00
z/OS DCE Messages and Codes <b>HC</b>	SC24-5912-00	SC24-5912-00	SC24-5912-00	SC24-5912-00
z/OS DCE Planning <b>HC</b>	GC24-5913-00	GC24-5913-00	GC24-5913-00	GC24-5913-00
z/OS DCE User's Guide <b>HC</b>	SC24-5914-00	SC24-5914-00	SC24-5914-00	SC24-5914-00
<b>Data Facility Storage Management Subsystem (DFSMS)</b>				
z/OS DFSMS Access Method Services for Catalogs	SC26-7394-06	SC26-7394-07	SC26-7394-09	SC26-7394-11
z/OS DFSMS Advanced Copy Services	SC35-0428-11	SC35-0428-12	SC35-0428-15	SC35-0428-18
z/OS DFSMSdfp Checkpoint/Restart	SC26-7401-02	SC26-7401-02	SC26-7401-02	SC26-7401-03
z/OS DFSMS Distributed FileManager Guide and Reference	SC26-7395-01	SC26-7395-01	SC26-7395-01	SC26-7395-01
z/OS DFSMS Implementing System-Managed Storage	SC26-7407-04	SC26-7407-05	SC26-7407-06	SC26-7407-07
z/OS DFSMS Installation Exits	SC26-7396-08	SC26-7396-09	SC26-7396-12	SC26-7396-13
z/OS DFSMS Introduction	SC26-7397-02	SC26-7397-02	SC26-7397-03	SC26-7397-03
z/OS DFSMS Macro Instructions for Data Sets	SC26-7408-05	SC26-7408-06	SC26-7408-08	SC26-7408-09
z/OS DFSMS Managing Catalogs	SC26-7409-05	SC26-7409-06	SC26-7409-07	SC26-7409-09
z/OS DFSMS Software Support for IBM System Storage TS1130 and TS1120 Tape Drives (3592)	SC26-7514-03	SC26-7514-04	SC26-7514-04	SC26-7514-04

## Order Numbers by Release

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
z/OS DFSMS Software Support for IBM TotalStorage Tape System 3590 Models E1x/H1x	SC35-0484-00	SC35-0484-00	SC35-0484-00	SC35-0484-00
z/OS DFSMS Using Data Sets	SC26-7410-07	SC26-7410-08	SC26-7410-09	SC26-7410-10
z/OS DFSMS Using the Interactive Storage Management Facility	SC26-7411-04	SC26-7411-05	SC26-7411-06	SC26-7411-07
z/OS DFSMS Using Magnetic Tapes	SC26-7412-01	SC26-7412-01	SC26-7412-02	SC26-7412-03
z/OS DFSMS Using the Volume Mount Analyzer	SC26-7413-02	SC26-7413-02	SC26-7413-02	SC26-7413-02
z/OS DFSMSdfp Storage Administration	SC26-7402-08	SC26-7402-09	SC26-7402-10	SC26-7402-14
z/OS DFSMS Using the New Functions	SC26-7473-04	SC26-7473-05	SC26-7473-06	SC26-7473-07
<b>DFSMSdfp</b>				
z/OS DFSMSdfp Advanced Services	SC26-7400-07	SC26-7400-08	SC26-7400-09	SC26-7400-11
z/OS DFSMSdfp Diagnosis	GY27-7618-08	GY27-7618-09	GY27-7618-11	GY27-7618-13
z/OS DFSMS Object Access Method Application Programmer's Reference	SC35-0425-04	SC35-0425-05	SC35-0425-07	SC35-0425-08
z/OS DFSMS Object Access Method Planning, Installation, and Storage Administration Guide for Object Support	SC35-0426-05	SC35-0426-06	SC35-0426-07	SC35-0426-10
z/OS DFSMS Object Access Method Planning, Installation, and Storage Administration Guide for Tape Libraries	SC35-0427-05	SC35-0427-05	SC35-0427-08	SC35-0427-10
z/OS DFSMSdfp Utilities	SC26-7414-04	SC26-7414-04	SC26-7414-06	SC26-7414-07
<b>DFSMSdss</b>				
z/OS DFSMSdss Storage Administration	SC35-0423-08	SC35-0423-09	SC35-0423-10	SC35-0423-14
<b>DFSMShsm</b>				
z/OS DFSMShsm Diagnosis	GC52-1083-03	GC52-1083-04	GC52-1083-05	GC52-1083-06
z/OS DFSMShsm Implementation and Customization Guide	SC35-0418-06	SC35-0418-07	SC35-0418-09	SC35-0418-10
z/OS DFSMShsm Managing Your Own Data	SC35-0420-06	SC35-0420-07	SC35-0420-08	SC35-0420-09
z/OS DFSMShsm Storage Administration	SC35-0421-06	SC35-0421-07	SC35-0421-09	SC35-0421-10
<b>DFSMSrmm</b>				
z/OS DFSMSrmm Application Programming Interface	SC26-7403-07	SC26-7403-08	SC26-7403-09	SC26-7403-10
z/OS DFSMSrmm Diagnosis Guide	GY27-7619-07	GY27-7619-08	GY27-7619-09	GY27-7619-10



Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
z/OS DFSMSrmm Managing and Using Removable Media	SC26-7404-07	SC26-7404-08	SC26-7404-09	SC26-7404-11
z/OS DFSMSrmm Implementation and Customization Guide	SC26-7405-07	SC26-7405-08	SC26-7405-09	SC26-7405-10
z/OS DFSMSrmm Reporting	SC26-7406-07	SC26-7406-08	SC26-7406-09	SC26-7406-10
<b>DFSMSStvs</b>				
z/OS DFSMSStvs Administration Guide	GC26-7483-00	GC26-7483-00	GC26-7483-00	GC26-7483-00
z/OS DFSMSStvs Planning and Operating Guide	SC26-7348-00	SC26-7348-00	SC26-7348-00	SC26-7348-00
<b>Data Facility Sort (DFSORT)</b>				
z/OS DFSORT Application Programming Guide	SC26-7523-02	SC26-7523-03	SC26-7523-04	SC26-7523-05
z/OS DFSORT: Getting Started	SC26-7527-02	SC26-7527-03	SC26-7527-04	SC26-7527-05
z/OS DFSORT Installation and Customization	SC26-7524-00	SC26-7524-01	SC26-7524-02	SC26-7524-03
z/OS DFSORT Messages, Codes and Diagnosis Guide	SC26-7525-02	SC26-7525-03	SC26-7525-04	SC26-7525-05
z/OS DFSORT Tuning Guide	SC26-7526-00	SC26-7526-01	SC26-7526-01	SC26-7526-02
<b>Distributed File Service (DFS)</b>				
z/OS Distributed File Service Customization <b>HC</b>	SC24-5916-00	SC24-5916-00	SC24-5916-00	SC24-5916-00
z/OS Distributed File Service DFS Administration	SC24-5915-01	SC24-5915-01	SC24-5915-01	SC24-5915-01
z/OS Distributed File Service Messages and Codes	SC24-5917-10	SC24-5917-11	SC24-5917-12	SC24-5917-14
z/OS Distributed File Service SMB Administration	SC24-5918-07	SC24-5918-08	SC24-5918-09	SC24-5918-10
z/OS Distributed File Service zSeries File System Administration	SC24-5989-08	SC24-5989-09	SC24-5989-10	SC24-5989-12
<b>Environmental Record Editing and Printing Program (EREP)</b>				
Environmental Record Editing and Printing Program Reference	GC35-0152-03	GC35-0152-03	GC35-0152-04	GC35-0152-04
Environmental Record Editing and Printing Program User's Guide <b>HC</b>	GC35-0151-02	GC35-0151-02	GC35-0151-02	GC35-0151-02
<b>First Failure Support Technology (FFST)</b>				
FFST/MVS FFST/VM Operations Guide	SC31-8604-01	SC31-8604-01	SC31-8604-01	SC31-8604-01
<b>Graphical Data Display Manager (GDDM)</b>				
GDDM Base Application Programming Guide <b>HC</b>	SC33-0867-01	SC33-0867-01	SC33-0867-01	SC33-0867-01
GDDM Base Application Programming Reference	SC33-0868-02	SC33-0868-02	SC33-0868-02	SC33-0868-02
GDDM Diagnosis <b>HC</b>	SC33-0870-01	SC33-0870-01	SC33-0870-01	SC33-0870-01

## Order Numbers by Release

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
GDDM General Information	GC33-0866-03	GC33-0866-03	GC33-0866-03	GC33-0866-03
GDDM-GKS Programming Guide and Reference	SC33-0334-00	SC33-0334-00	SC33-0334-00	SC33-0334-00
GDDM Image View Utility <b>HC</b>	SC33-0479-02	SC33-0479-02	SC33-0479-02	SC33-0479-02
GDDM Messages <b>HC</b>	SC33-0869-01	SC33-0869-01	SC33-0869-01	SC33-0869-01
GDDM/MVS Program Directory <b>HC</b>	GC33-1801-01	GC33-1801-01	GC33-1801-01	GC33-1801-01
GDDM System Customization and Administration	SC33-0871-02	SC33-0871-02	SC33-0871-02	SC33-0871-02
GDDM User's Guide <b>HC</b>	SC33-0875-01	SC33-0875-01	SC33-0875-01	SC33-0875-01
GDDM Using the Image Symbol Editor <b>HC</b>	SC33-0920-01	SC33-0920-01	SC33-0920-01	SC33-0920-01
<b>GDDM-PGF</b>				
GDDM-PGF Application Programming Guide <b>HC</b>	SC33-0913-01	SC33-0913-01	SC33-0913-01	SC33-0913-01
GDDM-PGF Interactive Chart Utility <b>HC</b>	SC33-0328-01	SC33-0328-01	SC33-0328-01	SC33-0328-01
GDDM-PGF OPS User's Guide <b>HC</b>	SC33-1776-00	SC33-1776-00	SC33-1776-00	SC33-1776-00
GDDM-PGF Programming Reference <b>HC</b>	SC33-0333-01	SC33-0333-01	SC33-0333-01	SC33-0333-01
GDDM-PGF Vector Symbol Editor <b>HC</b>	SC33-0330-01	SC33-0330-01	SC33-0330-01	SC33-0330-01
<b>Hardware Configuration Definition (HCD)</b>				
z/OS and z/VM HCD Messages	SC33-7986-08	SC33-7986-09	SC33-7986-10	SC33-7986-11
z/OS Hardware Configuration Definition Planning	GA22-7525-11	GA22-7525-13	GA22-7525-13	GA22-7525-14
z/OS HCD Reference Summary <b>HC</b>	SX33-9032-04	SX33-9032-04	SX33-9032-04	SX33-9032-05
z/OS HCD Scenarios	SC33-7987-00	SC33-7987-00	SC33-7987-00	SC33-7987-00
z/OS HCD User's Guide	SC33-7988-06	SC33-7988-07	SC33-7988-08	SC33-7988-09
<b>Hardware Configuration Manager (HCM)</b>				
z/OS and z/VM HCM User's Guide	SC33-7989-08	SC33-7989-09	SC33-7989-10	SC33-7989-11
<b>High Level Assembler (HLASM)</b>				
High Level Assembler for z/OS & z/VM & z/VSE General Information	GC26-4943-05	GC26-4943-05	GC26-4943-05	GC26-4943-05
High Level Assembler for z/OS & z/VM & z/VSE Installation and Customization Guide	SC26-3494-04	SC26-3494-04	SC26-3494-04	SC26-3494-04
High Level Assembler for z/OS & z/VM & z/VSE Language Reference	SC26-4940-05	SC26-4940-05	SC26-4940-05	SC26-4940-05
HLASM Programmer's Guide	SC26-4941-05	SC26-4941-05	SC26-4941-05	SC26-4941-05

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
<b>High Level Assembler Toolkit</b>				
HLASM Toolkit Feature Debug Reference Summary <b>HC</b>	GC26-8712-05	GC26-8712-05	GC26-8712-05	GC26-8712-05
High Level Assembler for z/OS & z/VM & z/VSE Toolkit Feature Installation and Customization Guide <b>HC</b>	GC26-8711-08	GC26-8711-08	GC26-8711-08	GC26-8711-08
High Level Assembler for z/OS & z/VM & z/VSE Toolkit Feature Interactive Debug Facility User's Guide <b>HC</b>	GC26-8709-06	GC26-8709-06	GC26-8709-06	GC26-8709-06
High Level Assembler for z/OS & z/VM & z/VSE Toolkit Feature User's Guide <b>HC</b>	GC26-8710-09	GC26-8710-09	GC26-8710-09	GC26-8710-09
<b>IBM Hypertext Transfer Protocol (HTTP) Server</b>				
z/OS HTTP Server Planning, Installing, and Using	SC34-4826-08	SC34-4826-09	SC34-4826-09	SC34-4826-09
<b>IBM Device Support Facilities (ICKDSF)</b>				
Device Support Facilities (ICKDSF) User's Guide and Reference	GC35-0033-33	GC35-0033-34	GC35-0033-35	GC35-0033-36
<b>IBM Encryption Facility</b>				
IBM Encryption Facility for z/OS: User's Guide	SA23-1349-01	SA23-1349-01	SA23-1349-01	SA23-1349-01
IBM Encryption Facility for z/OS: Planning and Customizing	SA23-2229-00	SA23-2229-00	SA23-2229-01	SA23-2229-01
IBM Encryption Facility for z/OS: Using Encryption Facility for OpenPGP	SA23-2230-00	SA23-2230-01	SA23-2230-03	SA23-2230-03
<b>IBM z/OS Management Facility</b>				
IBM z/OS Management Facility Configuration Guide	--	--	SA38-0652--02	SA38-0652--03
IBM WebSphere Application Server OEM Edition for z/OS Configuration Guide:	--	--	GA32-0631--01	GA32-0631--02
<b>IBM Tivoli Directory Server</b>				
IBM Tivoli Directory Server Client Programming for z/OS	SA23-2214-01	SA23-2214-02	SA23-2214-03	SA23-2214-04
IBM Tivoli Directory Server Administration and Use for z/OS	SC23-5191-01	SC23-5191-02	SC23-5191-03	SC23-5191-05
IBM Tivoli Directory Server Plug-in Reference for z/OS	--	SA76-0148-00	SA76-0148-00	SA76-0148-00
<b>Infoprint Server</b>				
z/OS Infoprint Server Printer Inventory for PSF	--	S510-7703-00	S510-7703-00	S510-7703-00
z/OS Infoprint Server Customization	S544-5744-09	S544-5744-10	S544-5744-10	S544-5744-11

## Order Numbers by Release

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
z/OS Infoprint Server Introduction	S544-5742-08	S544-5742-09	S544-5742-09	S544-5742-10
z/OS Infoprint Server Messages and Diagnosis	G544-5747-08	G544-5747-09	G544-5747-09	G544-5747-10
z/OS Infoprint Server Operation and Administration	S544-5745-09	S544-5745-10	S544-5745-10	S544-5745-11
z/OS Infoprint Server User's Guide	S544-5746-08	S544-5746-09	S544-5746-09	S544-5746-10
Infoprint Transforms to AFP for z/OS	G550-0443-01	G550-0443-02	G550-0443-02	G550-0443-03
Infoprint Transforms from AFP for z/OS	G550-0444-01	G550-0444-02	G550-0444-02	G550-0444-02
<b>Integrated Security Services</b>				
z/OS Integrated Security Services EIM Guide and Reference	SA22-7875-06	SA22-7875-07	SA22-7875-08	SA22-7875-08
z/OS Integrated Security Services Network Authentication Service Programming	SC24-5927-06	SC24-5927-07	SC24-5927-06	SC24-5927-07
z/OS Integrated Security Services Network Authentication Service Administration	SC24-5926-06	SC24-5926-07	SC24-5926-08	SC24-5926-09
z/OS Open Cryptographic Services Facility Application Programming	SC24-5899-01	SC24-5899-01	SC24-5899-01	SC24-5899-01
z/OS Open Cryptographic Services Facility Service Provider Module Developer's Guide and Reference	SC24-5900-00	SC24-5900-00	SC24-5900-00	SC24-5900-00
z/OS Integrated Security Services Open Cryptographic Enhanced Plug-ins Application Programming <b>HC</b>	SC24-5925-00	SC24-5925-01	SC24-5925-01	SC24-5925-01
<b>Interactive System Productivity Facility (ISPF)</b>				
z/OS V1R11.0 ISPF Dialog Developer's Guide and Reference	SC34-4821-06	SC34-4821-07	SC34-4821-08	SC34-4821-08
z/OS V1R11.0 ISPF DTL Guide	SC34-4824-06	SC34-4824-07	SC34-4824-08	SC34-4824-08
z/OS V1R11.0 ISPF Edit and Edit Macros	SC34-4820-06	SC34-4820-07	SC34-4820-09	SC34-4820-09
z/OS V1R11.0 ISPF Messages and Codes	SC34-4815-06	SC34-4815-07	SC34-4815-09	SC34-4815-09
z/OS V1R11.0 ISPF Planning and Customizing	GC34-4814-06	GC34-4814-07	GC34-4814-08	GC34-4814-08
z/OS V1R11.0 ISPF Reference Summary	SC34-4816-06	SC34-4816-07	SC34-4816-09	SC34-4816-09
z/OS V1R11.0 ISPF Services Guide	SC34-4819-06	SC34-4819-07	SC34-4819-09	SC34-4819-09
z/OS V1R11.0 ISPF SCLM Guide and Reference	SC34-4817-06	SC34-4817-07	SC34-4817-10	SC34-4817-10

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
z/OS V1R11.0 ISPF User's Guide Volume I	SC34-4822-06	SC34-4822-07	SC34-4822-09	SC34-4822-09
z/OS V1R11.0 ISPF User's Guide Volume II	SC34-4823-06	SC34-4823-07	SC34-4823-09	SC34-4823-09
<b>Job Entry Subsystem (JES) common</b>				
z/OS JES Application Programming	--	SA23-2240-00	SA23-2240-01	SA23-2240-02
<b>Job Entry Subsystem 2 (JES2)</b>				
z/OS JES2 Commands	SA22-7526-08	SA22-7526-09	SA22-7526-10	SA22-7526-11
z/OS JES2 Diagnosis	GA22-7531-07	GA22-7531-08	GA22-7531-09	GA22-7531-10
z/OS JES2 Initialization and Tuning Guide	SA22-7532-07	SA22-7532-08	SA22-7532-09	SA22-7532-10
z/OS JES2 Initialization and Tuning Reference	SA22-7533-07	SA22-7533-08	SA22-7533-09	SA22-7533-10
z/OS JES2 Installation Exits	SA22-7534-09	SA22-7534-10	SA22-7534-11	SA22-7534-12
z/OS JES2 Introduction	SA22-7535-06	SA22-7535-06	SA22-7535-06	SA22-7535-06
z/OS JES2 Macros	SA22-7536-07	SA22-7536-08	SA22-7536-09	SA22-7536-10
z/OS JES2 Messages	SA22-7537-07	SA22-7537-08	SA22-7537-09	SA22-7537-10
<b>Job Entry Subsystem 3 (JES3)</b>				
z/OS JES3 Commands	SA22-7540-07	SA22-7540-08	SA22-7540-09	SA22-7540-10
z/OS JES3 Customization	SA22-7542-06	SA22-7542-07	SA22-7542-08	SA22-7542-09
z/OS JES3 Diagnosis	GA22-7547-06	GA22-7547-07	GA22-7547-08	GA22-7547-09
z/OS JES3 Diagnosis Reference	GA22-7548-06	GA22-7548-07	GA22-7548-08	GA22-7548-09
z/OS JES3 Initialization and Tuning Guide	SA22-7549-06	SA22-7549-07	SA22-7549-08	SA22-7549-09
z/OS JES3 Initialization and Tuning Reference	SA22-7550-06	SA22-7550-07	SA22-7550-08	SA22-7550-09
z/OS JES3 Introduction	SA22-7551-06	SA22-7551-06	SA22-7551-06	SA22-7551-06
z/OS JES3 Messages	SA22-7552-07	SA22-7552-08	SA22-7552-09	SA22-7552-10
<b>Language Environment</b>				
z/OS Language Environment Concepts Guide	SA22-7567-08	SA22-7567-09	SA22-7567-10	SA22-7567-11
z/OS Language Environment Customization	SA22-7564-09	SA22-7564-10	SA22-7564-11	SA22-7564-12
z/OS Language Environment Debugging Guide	GA22-7560-08	GA22-7560-09	GA22-7560-10	GA22-7560-11
z/OS Language Environment Programming Guide	SA22-7561-08	SA22-7561-09	SA22-7561-10	SA22-7561-11
z/OS Language Environment Programming Guide for 64-bit Virtual Addressing Mode	SA22-7569-02	SA22-7569-02	SA22-7569-04	SA22-7569-05
z/OS Language Environment Programming Reference	SA22-7562-09	SA22-7562-10	SA22-7562-11	SA22-7562-12

## Order Numbers by Release

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
z/OS Language Environment Run-Time Messages	SA22-7566-08	SA22-7566-09	SA22-7566-10	SA22-7566-11
Enterprise COBOL for z/OS, V4R2, Compiler and Runtime Migration Guide	--	GC23-8527-00	GC23-8527-00	GC23-8527-00
z/OS Language Environment Run-Time Application Migration Guide	GA22-7565-08	GA22-7565-09	GA22-7565-10	GA22-7565-11
z/OS Language Environment Writing Interlanguage Communication Applications	SA22-7563-05	SA22-7563-06	SA22-7563-07	SA22-7563-08
z/OS Language Environment Vendor Interfaces	SA22-7568-08	SA22-7568-09	SA22-7568-10	SA22-7568-11
<b>Library Server</b>				
z/OS IBM BookManager BookServer for World Wide Web: Getting Started	SC31-8814-04	SC31-8814-05	SC31-8814-02	SC31-8814-02
Library Server: Getting Started	SC31-6376-03	SC31-6376-05	SC31-6376-07	SC31-6376-07
<b>Managed System Infrastructure for Setup</b>				
z/OS Managed System Infrastructure for Setup Installation	SC33-7997-01	SC33-7997-01	SC33-7997-01	SC33-7997-01
z/OS Managed System Infrastructure for Setup Messages	SC33-7996-01	SC33-7996-01	SC33-7996-01	SC33-7996-01
z/OS Managed System Infrastructure for Setup User's Guide	SC33-7985-03	SC33-7985-03	SC33-7985-03	SC33-7985-03
<b>METAL C Runtime</b>				
z/OS Metal C Programming Guide and Reference	SA23-2225-00	SA23-2225-01	SA23-2225-02	SA23-2225-03
<b>MVS (Base Control Program)</b>				
MVS Capacity Provisioning User's Guide	--	SC33-8299-00	SC33-8299-00	SC33-8299-00
z/OS MVS Device Validation Support	SA22-7586-01	SA22-7586-01	SA22-7586-01	SA22-7586-01
z/OS MVS Diagnosis: Reference	GA22-7588-09	GA22-7588-09	GA22-7588-13	GA22-7588-15
z/OS MVS Diagnosis: Tools and Service Aids	GA22-7589-11	GA22-7589-12	GA22-7589-15	GA22-7589-16
z/OS MVS Dump Output Messages	SA22-7590-05	SA22-7590-06	SA22-7590-07	SA22-7590-08
z/OS MVS Initialization and Tuning Guide	SA22-7591-05	SA22-7591-05	SA22-7591-07	SA22-7591-08
z/OS MVS Initialization and Tuning Reference	SA22-7592-15	SA22-7592-16	SA22-7592-19	SA22-7592-21
z/OS MVS Installation Exits	SA22-7593-12	SA22-7593-13	SA22-7593-15	SA22-7593-16

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
z/OS MVS Interactive Problem Control System (IPCS) Commands	SA22-7594-08	SA22-7594-09	SA22-7594-10	SA22-7594-11
z/OS MVS Interactive Problem Control System (IPCS) Customization	SA22-7595-06	SA22-7595-06	SA22-7595-06	SA22-7595-07
z/OS MVS Interactive Problem Control System (IPCS) User's Guide <b>HC</b>	SA22-7596-04	SA22-7596-05	SA22-7596-06	SA22-7596-07
z/OS MVS JCL Reference	SA22-7597-11	SA22-7597-12	SA22-7597-13	SA22-7597-14
z/OS MVS JCL User's Guide	SA22-7598-04	SA22-7598-04	SA22-7598-05	SA22-7598-06
z/OS MVS Planning: APPC/MVS Management	SA22-7599-04	SA22-7599-04	SA22-7599-04	SA22-7599-05
z/OS MVS Planning: Global Resource Serialization <b>HC</b>	SA22-7600-06	SA22-7600-07	SA22-7600-09	SA22-7600-10
z/OS MVS Planning: Operations <b>HC</b>	SA22-7601-08	SA22-7601-09	SA22-7601-11	SA22-7601-12
z/OS MVS Planning: Workload Management	SA22-7602-14	SA22-7602-14	SA22-7602-18	SA22-7602-19
z/OS MVS Product Management	SA22-7603-03	SA22-7603-03	SA22-7603-05	SA22-7603-05
z/OS MVS Program Management: Advanced Facilities	SA22-7644-07	SA22-7644-08	SA22-7644-11	SA22-7644-12
z/OS MVS Program Management: User's Guide and Reference	SA22-7643-06	SA22-7643-07	SA22-7643-09	SA22-7643-10
z/OS MVS Programming: Assembler Services Guide	SA22-7605-08	SA22-7605-09	SA22-7605-11	SA22-7605-12
z/OS MVS Programming: Assembler Services Reference, Volume 1 (ABEND-HSPSERV)	SA22-7606-08	SA22-7606-09	SA22-7606-10	SA22-7606-11
z/OS MVS Programming: Assembler Services Reference, Volume 2 (IARCP64-XCTLX)	SA22-7607-12	SA22-7607-13	SA22-7607-15	SA22-7607-16
z/OS MVS Programming: Authorized Assembler Services Guide	SA22-7608-11	SA22-7608-12	SA22-7608-14	SA22-7608-15
z/OS MVS Programming: Authorized Assembler Services Reference, Volume 1 (ALESERV-DYNALLO)	SA22-7609-08	SA22-7609-09	SA22-7609-10	SA22-7609-11
z/OS MVS Programming: Authorized Assembler Services Reference, Volume 2 (EDTINFO-IXGWRITE)	SA22-7610-13	SA22-7610-14	SA22-7610-17	SA22-7610-18
z/OS MVS Programming: Authorized Assembler Services Reference, Volume 3 (LLACOPY-SDUMPX)	SA22-7611-09	SA22-7611-10	SA22-7611-11	SA22-7611-12



## Order Numbers by Release

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
z/OS MVS Programming: Authorized Assembler Services Reference, Volume 4 (SETRR-WTOR)	SA22-7612-09	SA22-7612-10	SA22-7612-11	SA22-7612-12
z/OS MVS Programming: Callable Services for High-Level Languages	SA22-7613-03	SA22-7613-04	SA22-7613-05	SA22-7613-07
z/OS MVS Programming: Extended Addressability Guide <b>HC</b>	SA22-7614-05	SA22-7614-06	SA22-7614-07	SA22-7614-07
z/OS MVS Programming: JES Common Coupling Services	SA22-7615-01	SA22-7615-01	SA22-7615-01	SA22-7615-01
z/OS MVS Programming: Product Registration	SA22-7604-01	SA22-7604-01	SA22-7604-01	SA22-7604-01
z/OS MVS Programming: Resource Recovery	SA22-7616-07	SA22-7616-08	SA22-7616-09	SA22-7616-10
z/OS MVS Programming: Sysplex Services Guide	SA22-7617-09	SA22-7617-10	SA22-7617-13	SA22-7617-14
z/OS MVS Programming: Sysplex Services Reference	SA22-7618-09	SA22-7618-10	SA22-7618-12	SA22-7618-13
z/OS MVS Programming: Workload Management Services	SA22-7619-15	SA22-7619-15	SA22-7619-19	SA22-7619-20
z/OS MVS Programming: Writing Servers for APPC/MVS <b>HC</b>	SA22-7620-00	SA22-7620-00	SA22-7620-00	SA22-7620-00
z/OS MVS Programming: Writing Transaction Programs for APPC/MVS	SA22-7621-03	SA22-7621-03	SA22-7621-03	SA22-7621-03
z/OS MVS Programming: Writing Transaction Schedulers for APPC/MVS <b>HC</b>	SA22-7622-00	SA22-7622-00	SA22-7622-00	SA22-7622-00
z/OS MVS Setting Up a Sysplex	SA22-7625-14	SA22-7625-15	SA22-7625-18	SA22-7625-19
z/OS MVS System Codes	SA22-7626-15	SA22-7626-16	SA22-7626-20	SA22-7626-22
z/OS MVS System Commands	SA22-7627-16	SA22-7627-17	SA22-7627-21	SA22-7627-23
z/OS MVS System Management Facilities (SMF)	SA22-7630-15	SA22-7630-16	SA22-7630-20	SA22-7630-22
z/OS MVS System Messages, Volume 1 (ABA-AOM)	SA22-7631-15	SA22-7631-16	SA22-7631-19	SA22-7631-21
z/OS MVS System Messages, Volume 2 (ARC-ASA)	SA22-7632-14	SA22-7632-15	SA22-7632-18	SA22-7632-20
z/OS MVS System Messages, Volume 3 (ASB-BPX)	SA22-7633-13	SA22-7633-14	SA22-7633-17	SA22-7633-19
z/OS MVS System Messages, Volume 4 (CBD-DMO)	SA22-7634-14	SA22-7634-15	SA22-7634-18	SA22-7634-20
z/OS MVS System Messages, Volume 5 (EDG-GFS)	SA22-7635-13	SA22-7635-14	SA22-7635-17	SA22-7635-19
z/OS MVS System Messages, Volume 6 (GOS-IEA)	SA22-7636-13	SA22-7636-14	SA22-7636-19	SA22-7636-21



Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
z/OS MVS System Messages, Volume 7 (IEB-IEE)	SA22-7637-14	SA22-7637-15	SA22-7637-18	SA22-7637-20
z/OS MVS System Messages, Volume 8 (IEF-IGD)	SA22-7638-13	SA22-7638-14	SA22-7638-17	SA22-7638-19
z/OS MVS System Messages, Volume 9 (IGF-IWM)	SA22-7639-14	SA22-7639-15	SA22-7639-18	SA22-7639-20
z/OS MVS System Messages, Volume 10 (IXC-IZP)	SA22-7640-16	SA22-7640-17	SA22-7640-21	SA22-7640-23
z/OS MVS Using the Functional Subsystem Interface	SA22-7641-01	SA22-7641-01	SA22-7641-01	SA22-7641-01
z/OS MVS Using the Subsystem Interface	SA22-7642-06	SA22-7642-07	SA22-7642-09	SA22-7642-10
z/OS Unicode Services User's Guide and Reference	SA22-7649-08	SA22-7649-09	SA22-7649-11	SA22-7649-12
z/OS XML System Services User's Guide and Reference	SA23-1350-01	SA23-1350-02	SA23-1350-05	SA23-1350-05
<b>Network File System (NFS)</b>				
z/OS Network File System Guide and Reference	SC26-7417-07	SC26-7417-08	SC26-7417-09	SC26-7417-11
<b>Open Systems Adapter/Support Facility (OSA/SF)</b>				
System z9 and eServer zSeries: Open Systems Adapter-Express Customer's Guide and Reference	SA22-7935-07	SA22-7935-08	SA22-7935-09	SA22-7935-11
z900: OSA-2 Planning Guide	GA22-7477-00	GA22-7477-00	GA22-7477-00	GA22-7477-00
System z9 and eServer zSeries Open Systems Adapter-Express Integrated Console Controller User's Guide	SA22-7990-01	SA22-7990-01	SA22-7990-01	SA22-7990-01
<b>Parallel Sysplex</b>				
z/OS Parallel Sysplex Application Migration	SA22-7662-00	SA22-7662-00	SA22-7662-00	SA22-7662-00
z/OS Parallel Sysplex Overview: An Introduction to Data Sharing and Parallelism	SA22-7661-00	SA22-7661-00	SA22-7661-00	SA22-7661-00
<b>Resource Measurement Facility (RMF)</b>				
z/OS RMF Messages and Codes	SC33-7993-09	SC33-7993-10	SC33-7993-11	SC33-7993-12
z/OS RMF NewsFLASH	SC33-7995-01	SC33-7995-01	SC33-7995-01	SC33-7995-01
z/OS RMF Performance Management Guide	SC33-7992-07	SC33-7992-08	SC33-7992-09	SC33-7992-10
z/OS RMF Programmer's Guide <b>HC</b>	SC33-7994-08	SC33-7994-09	SC33-7994-11	SC33-7994-13
z/OS RMF Reference Summary <b>HC</b>	SX33-9033-03	SX33-9033-03	SX33-9033-03	SX33-9033-04
z/OS RMF Report Analysis	SC33-7991-12	SC33-7991-13	SC33-7991-16	SC33-7991-18
z/OS RMF User's Guide	SC33-7990-12	SC33-7990-13	SC33-7990-16	SC33-7990-18
<b>REXX Alternate Library</b>				

## Order Numbers by Release

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
IBM Compiler and Library for REXX on System z: User's Guide and Reference	SH19-8160-00	SH19-8160-00	SH19-8160-00	SH19-8160-00
IBM Compiler and Library for REXX on System z: Diagnosis Guide	SH19-8179-00	SH19-8179-00	SH19-8179-00	SH19-8179-00
<b>Run-Time Library Extensions</b>				
C/C++ Legacy Class Libraries Reference	SC09-7652-01	SC09-7652-01	--	--
z/OS Common Debug Architecture User's Guide	SC09-7653-01	SC09-7653-01	SC09-7653-02	SC09-7653-02
z/OS Common Debug Architecture Library Reference	SC09-7654-01	SC09-7654-01	SC09-7654-03	SC09-7654-04
DWARF/ELF Extensions Library Reference	SC09-7655-01	SC09-7655-01	SC09-7655-02	SC09-7655-02
<b>System Display and Search Facility (SDSF)</b>				
z/OS SDSF Operation and Customization	SA22-7670-10	SA22-7670-11	SA22-7670-12	SA22-7670-14
<b>Security Server</b>				
z/OS Security Server RACROUTE Macro Reference	SA22-7692-10	SA22-7692-11	SA22-7692-12	SA22-7692-13
z/OS Security Server RACF Auditor's Guide	SA22-7684-09	SA22-7684-10	SA22-7684-11	SA22-7684-12
z/OS Security Server RACF Callable Services	SA22-7691-11	SA22-7691-12	SA22-7691-13	SA22-7691-14
z/OS Security Server RACF Command Language Reference	SA22-7687-11	SA22-7687-12	SA22-7687-13	SA22-7687-15
z/OS Security Server RACF Data Areas	GA22-7680-09	GA22-7680-10	GA22-7680-11	GA22-7680-12
z/OS Security Server RACF Diagnosis Guide	GA22-7689-10	GA22-7689-11	GA22-7689-12	GA22-7689-13
z/OS Security Server RACF Macros and Interfaces	SA22-7682-11	SA22-7682-12	SA22-7682-13	SA22-7682-14
z/OS Security Server RACF Messages and Codes	SA22-7686-11	SA22-7686-12	SA22-7686-13	SA22-7686-14
z/OS Security Server RACF Security Administrator's Guide	SA22-7683-11	SA22-7683-12	SA22-7683-13	SA22-7683-14
z/OS Security Server RACF System Programmer's Guide	SA22-7681-09	SA22-7681-10	SA22-7681-11	SA22-7681-12
z/OS Security Server RACF General User's Guide	SA22-7685-03	SA22-7685-04	SA22-7685-05	SA22-7685-05
<b>System Modification Program/Extended (SMP/E)</b>				
SMP/E Commands	SA22-7771-11	SA22-7771-12	SA22-7771-13	SA22-7771-14
SMP/E Messages, Codes, and Diagnosis	GA22-7770-12	GA22-7770-14	GA22-7770-14	GA22-7770-15
SMP/E Reference	SA22-7772-11	SA22-7772-12	SA22-7772-13	SA22-7772-14

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
SMP/E User's Guide	SA22-7773-12	SA22-7773-13	SA22-7773-14	SA22-7773-15
<b>Time Sharing Option/Extensions (TSO/E)</b>				
z/OS TSO/E Administration	SA22-7780-00	SA22-7780-00	SA22-7780-00	SA22-7780-00
z/OS TSO/E CLISTs	SA22-7781-04	SA22-7781-04	SA22-7781-05	SA22-7781-06
z/OS TSO/E Command Reference	SA22-7782-09	SA22-7782-10	SA22-7782-11	SA22-7782-13
z/OS TSO/E Customization	SA22-7783-08	SA22-7783-09	SA22-7783-10	SA22-7783-11
z/OS TSO/E General Information <b>HC</b>	SA22-7784-03	SA22-7784-04	SA22-7784-04	SA22-7784-04
z/OS TSO/E Guide to the Server-Requester Programming Interface	SA22-7785-01	SA22-7785-01	SA22-7785-01	SA22-7785-01
z/OS TSO/E Messages	SA22-7786-07	SA22-7786-08	SA22-7786-09	SA22-7786-10
z/OS TSO/E Primer	SA22-7787-01	SA22-7787-02	SA22-7787-02	SA22-7787-02
z/OS TSO/E Programming Guide	SA22-7788-02	SA22-7788-02	SA22-7788-03	SA22-7788-04
z/OS TSO/E Programming Services	SA22-7789-06	SA22-7789-06	SA22-7789-07	SA22-7789-08
z/OS TSO/E REXX Reference	SA22-7790-07	SA22-7790-07	SA22-7790-08	SA22-7790-09
z/OS TSO/E REXX User's Guide	SA22-7791-01	SA22-7791-01	SA22-7791-01	SA22-7791-01
z/OS TSO/E System Diagnosis: Data Areas	GA22-7792-04	GA22-7792-04	GA22-7792-05	GA22-7792-06
z/OS TSO/E System Programming Command Reference <b>HC</b>	SA22-7793-03	SA22-7793-03	SA22-7793-04	SA22-7793-04
z/OS TSO/E User's Guide	SA22-7794-03	SA22-7794-04	SA22-7794-04	SA22-7794-05
<b>z/OS UNIX System Services (z/OS UNIX)</b>				
z/OS UNIX System Services Command Reference	SA22-7802-09	SA22-7802-10	SA22-7802-11	SA22-7802-12
z/OS UNIX System Services Connection Scaling Reference for iBaanERP Solutions	SA22-7809-02	SA22-7809-02	SA22-7809-02	SA22-7809-02
z/OS UNIX System Services File System Interface Reference	SA22-7808-09	SA22-7808-10	SA22-7808-11	SA22-7808-12
z/OS UNIX System Services Messages and Codes	SA22-7807-08	SA22-7807-09	SA22-7807-10	SA22-7807-11
z/OS UNIX System Services Parallel Environment: MPI Programming and Subroutine Reference <b>HC</b>	SA22-7812-00	SA22-7812-00	SA22-7812-00	SA22-7812-00
z/OS UNIX System Services Parallel Environment: Operation and Use <b>HC</b>	SA22-7810-00	SA22-7810-00	SA22-7810-00	SA22-7810-00
z/OS UNIX System Services Planning	GA22-7800-12	GA22-7800-14	GA22-7800-16	GA22-7800-18

## Order Numbers by Release

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 9	Release 10	Release 11	Release 12
z/OS UNIX System Services Programming: Assembler Callable Services Reference	SA22-7803-10	SA22-7803-11	SA22-7803-12	SA22-7803-13
z/OS UNIX System Services Programming Tools	SA22-7805-06	SA22-7805-07	SA22-7805-08	SA22-7805-08
z/OS UNIX System Services User's Guide	SA22-7801-09	SA22-7801-11	SA22-7801-11	SA22-7801-13
z/OS Using REXX and z/OS UNIX System Services	SA22-7806-10	SA22-7806-11	SA22-7806-12	SA22-7806-13
<b>XL C/C++</b>				
z/OS XL C/C++ Language Reference	SC09-4815-07	SC09-4815-07	SC09-4815-09	SC09-4815-10
z/OS C Curses <b>HC</b>	SA22-7820-00	SA22-7820-00	SA22-7820-00	SA22-7820-00
z/OS XL C/C++ Compiler and Run-time Migration Guide for the Application Programmer	GC09-4913-05	GC09-4913-05	GC09-4913-07	GC09-4913-08
z/OS XL C/C++ Messages	GC09-4819-05	GC09-4819-05	GC09-4819-07	GC09-4819-08
z/OS XL C/C++ Programming Guide	SC09-4765-08	SC09-4765-09	SC09-4765-10	SC09-4765-11
z/OS XL C/C++ Run-Time Library Reference	SA22-7821-09	SA22-7821-10	SA22-7821-11	SA22-7821-12
Standard C++ Library Reference	SC09-4949-01	SC09-4949-01	SC09-4949-03	SC09-4949-04
z/OS XL C/C++ User's Guide	SC09-4767-06	SC09-4767-06	SC09-4767-08	SC09-4767-09
IBM Open Class Library Transition Guide	SC09-4948-01	SC09-4948-01	–	–

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