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Session 17656

## **z/OS Documentation Update and Introduction to Knowledge Center**

Tuesday, August 11, 2015: 10:00 AM-11:00 AM

Europe 2 (Walt Disney World Dolphin )

Speaker: [Geoff Smith](#)(IBM Corporation)





## 16708: z/OS Documentation Update and Introduction to Knowledge Center

This session will provide attendees with information on the changes for z/OS V2R2 including an introduction to the IBM Knowledge Center. Information Centers are gone, and all IBM documentation will be published through Knowledge Center. This session will give users an overview of how to effectively filter and search for the information they need. All releases of z/OS documentation will be published through Knowledge Center. Learn how you can download and maintain a copy of the documentation you need. Learn how to personalize Knowledge Center for yourself and for your colleagues.

## z/OS 2015 Online Product Documentation Survey

- <https://www.surveygizmo.com/s3/2069493/IBM-z-OS-Product-Documentation>



- Please rate your agreement with the following statements:
- *“I would like to search at the element level in IBM Knowledge Center (MVS, DFSMS) ”*
- *“I would like to search at the individual book level in IBM Knowledge Center “*
- *“I would like more context in my Knowledge Center search results so I can better choose what I am looking for”*
- *“I would like to be able to page forward and backward in Knowledge Center in addition to using the table of contents to navigate ”*
- *“I would like a link in Knowledge Center to be able to download the corresponding PDF ”*
- *“In addition to Knowledge Center, I still want PDF format ”*
- *“In addition e-Pub format, I still want PDF format ”*

## Overview of Our Deliverables Today

- Product documentation for z/OS in PDF and Knowledge Center
- Tools: IBM Softcopy Librarian and softcopy collections
- Our website: IBM z/OS Internet Library
- zFavorites – Index to all things z
- Hot Topics Magazine
- Design: z/OSMF, Wave for z/VM
- **Resource Link**, a Lotus Notes Domino based repository (web enabled lotus database)

It provides:

- Personalization – customers log in with their own user-id and password.
  - Resource link has ties to the customer order databases, so they can build hardware installation manuals customized to the hardware order
  - z Systems Hardware documentation in PDF
  - Customized hardware installation manuals
  - Hardware service information and education
- **IBM Customer Connect** – provides access to ESP drafts



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

### ▪ **New Elements and Library Changes**

- z/OS Management Facility (z/OSMF) is a new base element of z/OS.
- IBM Knowledge Center for z/OS is a new base element of z/OS.
- IBM OpenSSH is a new base element of z/OS.
- IBM HTTP Server - Powered by Apache is a new base element of z/OS.

### ▪ **Deleted**

- The following books were removed in z/OS V2R2:
  - z/OSMF Program Directory
  - z/OSMF Licensed Information
  - z/OS RMF Reference Summary
- PDF file names and form number levels have been changed for z/OS books that are updated in V2R2. For details, see [z/OS V2R2 titles and order numbers](#).

# IBM z/OS Version 2 Release 2 -- Fueling the new digital enterprise

## IBM z/OS

Fuel your digital business with a highly secure, highly scalable, high-performance enterprise operating system

Checkpoint	Date
ESP	May 2015 Estimate based on the previous release
Announce*	July 2015 Estimate based on the previous release
General Availability (GA)	September 2015 Estimate based on the previous release

**Note: Only critical planning publications will be available at announce. This ensures ESP changes and important test information and fixes are available in the GA publications.**

[http://www-01.ibm.com/common/ssi/rep\\_ca/6/897/ENUS215-006/ENUS215-006.PDF](http://www-01.ibm.com/common/ssi/rep_ca/6/897/ENUS215-006/ENUS215-006.PDF)

## z/OS Hot Topics Newsletter



[http://www.ibm.com/systems/z/os/zos/bkserv/hot\\_topics.html](http://www.ibm.com/systems/z/os/zos/bkserv/hot_topics.html)

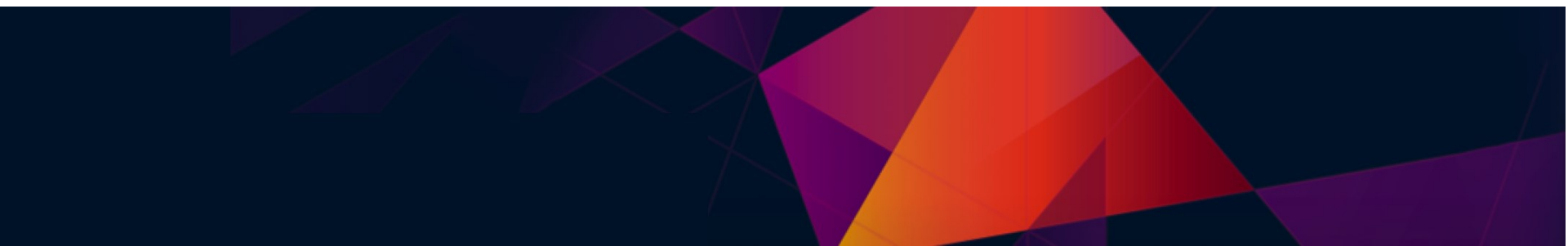
- Easy-to-use, hands-on, technical information not often found in standard z/OS product references.
- Articles by z/OS designers, testers, developers and service.
- Emphasis on presenting technical information in a lively, informal manner.
- Published once a year to coincide with the SHARE user conference.
- Latest issue: GA32-0892-01, issue 28  
Learn about smarter computing with z/OS V2R1.





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# z/OSMS Workflows – Beyond Books

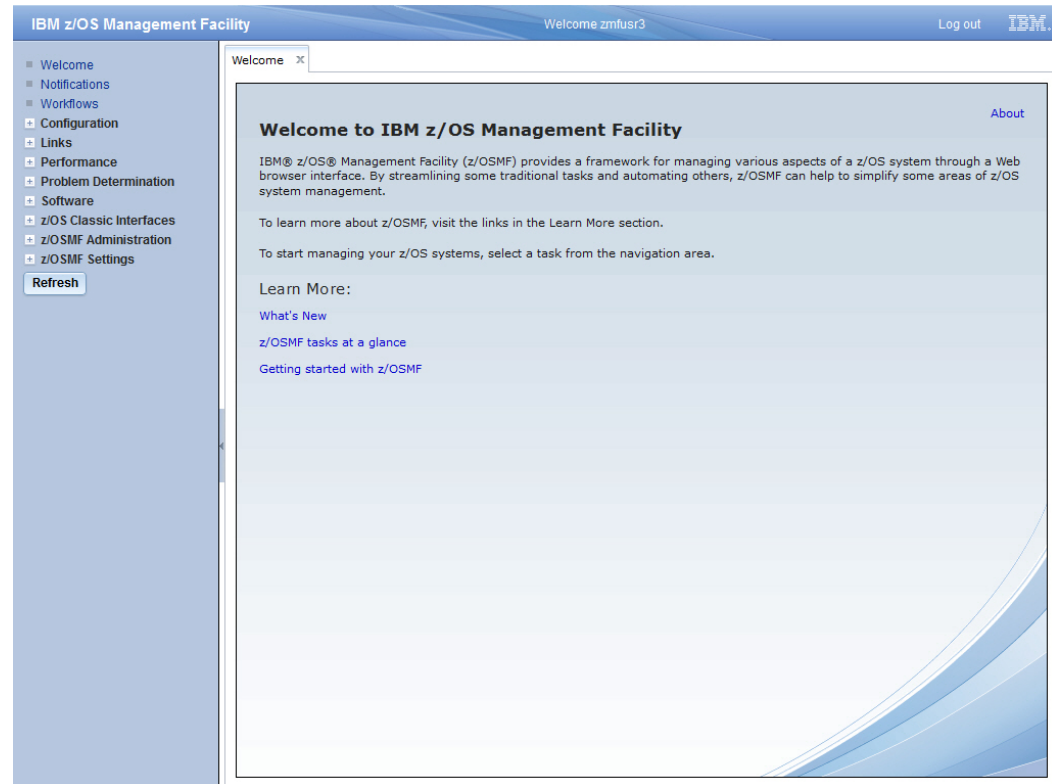




## z/OS Management Facility and Workflows simplify tasks

<http://www-03.ibm.com/systems/z/os/zos/features/zosmf>

- IBM z/OS Management Facility (z/OSMF) provides a web-based interface that allows you to manage various aspects of your z/OS systems through a browser at any time, from any location.
- Starting with z/OS V2.2, z/OSMF, previously a separate product, is planned to become a base element of z/OS, delivered with the operating system. See the following for more information.



[http://www-01.ibm.com/common/ssi/rep\\_ca/6/897/ENUS215-006/ENUS215-006.PDF](http://www-01.ibm.com/common/ssi/rep_ca/6/897/ENUS215-006/ENUS215-006.PDF)

## What is a workflow?

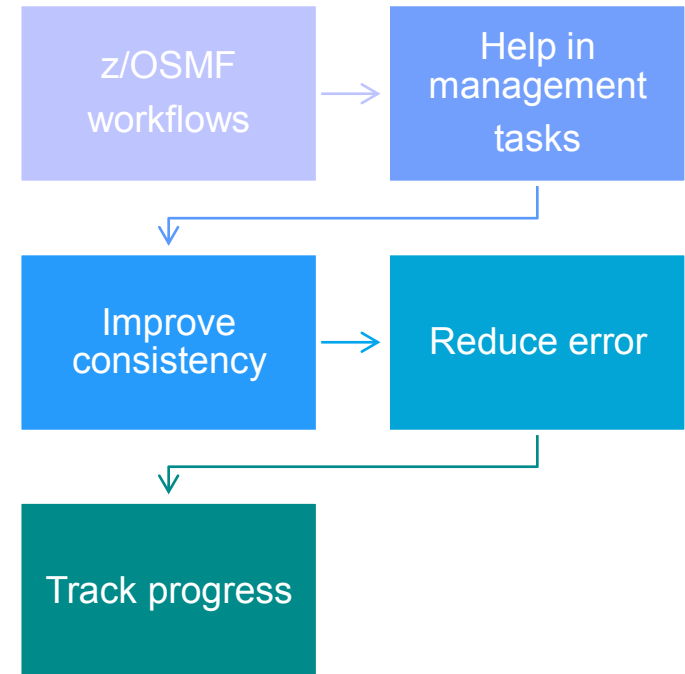
- In z/OSMF, a *workflow* is a guided set of steps that help you perform an activity on z/OS, such as configuring a software product or component, managing a z/OS resource or structure, or simplifying some relatively complex operation.
- Generally, a workflow guides you through the complete set of steps needed to accomplish a goal, and, when dependencies exist, controls the sequence for performing those steps. In this way, a workflow can help to ensure that you perform the steps in the correct order, and that prerequisites and dependences are identified clearly.
- Conceptually, a workflow encompasses both the work to be performed and its performers. By identifying the individual steps to be performed, a workflow allows for these steps to be divided among different areas of an organization, and different members of your team. With a workflow, a project owner can delegate specific items to the team members best suited to carrying out particular tasks.

## Introducing z/OSMF workflows for z/OS system management tasks

- ◆ In z/OSMF, the Workflows task allows you to create workflows and use them for performing activities on the z/OS system.
- ◆ A *workflow* is a guided set of steps that help you perform a common activity on z/OS, such as configuring a software product or component.
- ◆ A workflow allows for these steps to be divided among different members of an organization, and controls the sequence for performing those steps.

You might use a workflow to:

- Ensure that consistent methods and tools are used when completing a z/OS system management task.
- Reduce the potential for errors by requiring steps to be performed and dependencies to be satisfied.
- Track the progress of activities, and assign work items to individuals in your organization.



## z/OSMF Workflows: A typical workflow

- A workflow is created by a user who selects the workflow definition and imports it into the z/OSMF Workflows task. This user is considered to be the workflow owner (typically).
- The workflow owner can own the steps directly, or make the steps available to assigned users (assignees). The assignees accept the steps to become step owners.
- The step owners perform the steps and mark them complete. Some steps can be done in parallel and others have prerequisites and must be performed in sequence.
- Some steps are performed manually with instructions from XML text and data variables; these steps are simply text that describes the purpose of the step and how to perform it.
- Other steps might contain JCL from the XML and data variables; these steps can submit jobs for execution on your system.
- In the case of submitted JCL, you can check the job status tab to see how the jobs ran. The JCL JOB statement is saved locally for future use, so that you do not have to enter it frequently.
- For a record of all the actions that are performed in a workflow, check the workflow history. You can add your own notes, too!
- When all the steps are done (or skipped as not applicable), the workflow is complete.

## z/OSMF Workflows: Uses an XML schema to describe z/OS work (“steps”)

- A **workflow definition** is written and shipped as one or more XML files---the primary workflow definition file and its related files. It contains meta information (name, vendor, and version), variables, and a collection of steps.
- The workflow definition is based on the XML schema that is shipped with z/OSMF. The schema defines the allowable XML tags and attributes.
- A workflow is created when a user imports the workflow definition into the z/OSMF Workflows task (Workflows->Create).

Examples of workflows in use today:

- z/OSMF provides a workflow that you can use to configure the optional z/OSMF plug-ins.
- You can download a workflow for migrating and configuring functions on z/OS V2R1. For a demo, see the YouTube video at <https://www.youtube.com/watch?v=7QBhC2yMEwM>.

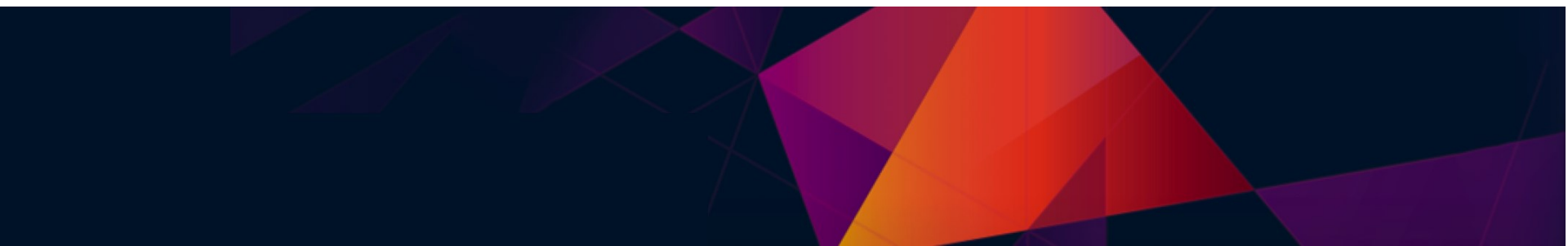
## More Information on z/OSMF Workflows

- IBM z/OSMF V2.1 Migration Workflow Demo - YouTube
- <https://www.youtube.com/watch?v=7QBhC2yMEwM>
- IBM Redbooks z Systems hardware and software blog
- [https://www.ibm.com/developerworks/community/blogs/IBMRedbooksSystemz/entry/z\\_osmf\\_v2r1\\_workflows?lang=en](https://www.ibm.com/developerworks/community/blogs/IBMRedbooksSystemz/entry/z_osmf_v2r1_workflows?lang=en)
- IBM z/OS Management Facility Configuration Guide
- <http://publibz.boulder.ibm.com/epubs/pdf/izu23140.pdf>
- IBM z/OS Management Facility Programming Guide
- <http://publibz.boulder.ibm.com/epubs/pdf/izu27200.pdf>

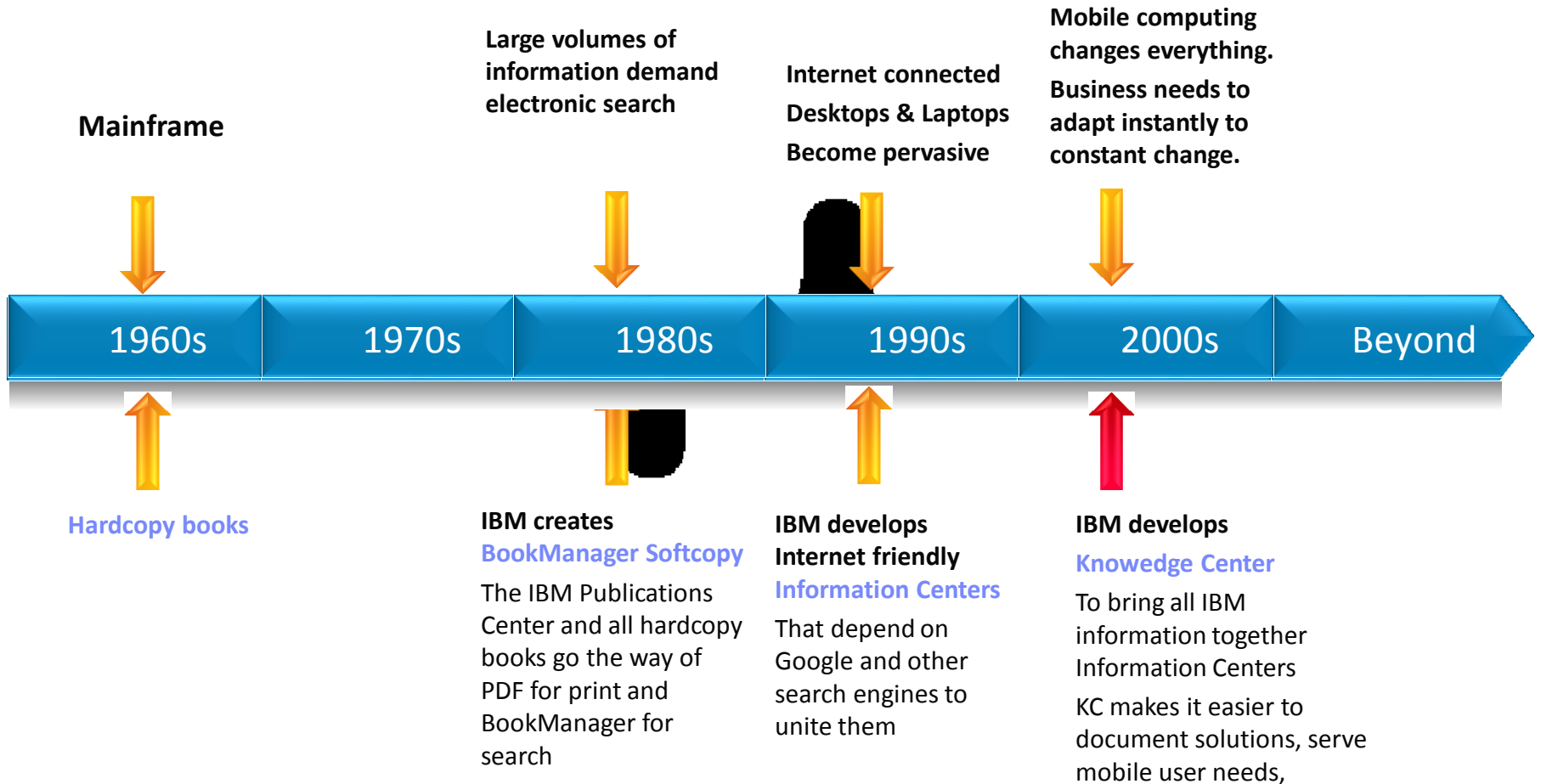


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# IBM Knowledge Center and Knowledge Center for z/OS



# Information Timeline





# What is IBM Knowledge Center?

- A single website that brings together all the content formerly hosted in Information Centers.
- All Information Center traffic and bookmarks are being automatically redirected to IBM Knowledge Center

## Advantages:

- Improved search indexing to help find relevant information faster
- Like Information Centers, it is search engine friendly.
- It incorporates metadata to help users filter out irrelevant information. (product, time and task with more to come).
- Easily updated for better information currency
- Users can create custom collections of documentation that they can turn into PDFs that they can download for offline use.



## Flavors of Knowledge Center

- Knowledge Center Hosted on the Internet
  - Contains all of IBM's product documentation in one repository
  - Organized by product taxonomy
  - Provides context sensitive search based on the product ID
  - Personalization – If users log in using their IBM sign-on (not required), they can save searches and collections
  - Filters are used to help narrow results
  - Users can produce a PDF of their collections
- Knowledge Center Mobile - just add “mobile” to the end of the URL. It is optimized for mobile devices with smaller display real estate.

## Knowledge Center Customer Installable for z/OS

- Knowledge Center Customer Installable is a new element of z/OS and available to all
- It is especially useful for customers who have “isolated” systems where no internet connection is allowed. Even mobile phones are banned from the room.
- Knowledge Center for z/OS (aka KC4Z) provides a new way to host a local private repository, so there are no dependencies on distributed platforms.
- It is useful for disaster recovery, because the content to run the system is available on the system when the recovery system comes up.
- KC4Z is initially populated by the IBM Softcopy Librarian also available as a free download from IBM <http://www-01.ibm.com/support/docview.wss?uid=swg24000640>

## IBM Softcopy Librarian – Recommended to maintain local repositories

- **Softcopy Librarian (SCL):** Download entire **PDF collection kits** or only the PDFs you need using SCL. IBM Softcopy Librarian is designed to help you manage multiple repositories on your laptop, a LAN drive, or z/OS. Once established, you SCL will help you keep the repository current, by flagging new and updated documents so with one click you can update your local repositories wherever they may be. You can obtain it from the BookManager site. <http://www.ibm.com/support/docview.wss?uid=swg24000640>
- For z/OS V2R2, IBM Softcopy Librarian has enhanced to support Knowledge Center information plug-ins. This function is designed to support the new element of z/OS, “IBM Knowledge Center for z/OS”

Electronic delivery makes it easier to provide information currency and provides more time for late changes and improved information quality. You can download:

- Individual PDFS from our z/OS V2R1 Information Center or our Internet Library
- Download all at once from the IBM Publications Center.

Zip files of our IBM z/OS V2R2 Softcopy Collection Kit (PDFs)\*\*

Zip of our z/OS V2R2 Knowledge Center Plug-ins

# Accessing z/OS Documentation

## Online: IBM Knowledge Center

- IBM Knowledge Center essentially replaces the need for the z/OS software product collections because it hosts the most current documentation for the entire z/OS stack.
- For z/OS V2R2, we intend to provide collections of Knowledge Center plugins for download and use with the IBM Knowledge Center for z/OS

## Offline: z/OS Softcopy Collections

- **Format:** The format is predominately be ALS Indexed PDF

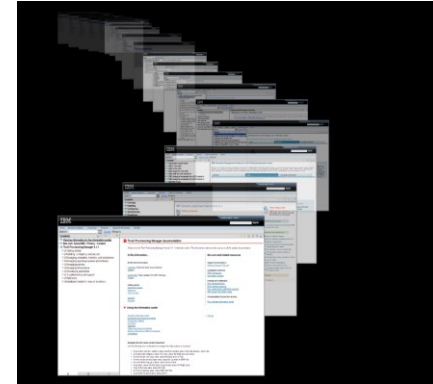
## How to download our documentation for use on your laptop

- Download all PDFs at once. Go to the **IBM Publications Center** : <http://www-05.ibm.com/e-business/linkweb/publications/servlet/pbi.wss> and search on z/OS V2R1 collections.
- Download individual PDFs from our **z/OS Internet library**. Specifically: <http://www-03.ibm.com/systems/z/os/zos/library/bkserv/v2r2pdf/>
- Provision and maintain multiple repositories on multiple platforms using the IBM Softcopy Librarian (see next chart).

# The Challenge

## Information centers: Technical publications

- More than 2200 IBM products
- More than 850 documentation URLs at ibm.com
- More than 60M individual pages
- More than 30 languages across information centers
- More than 60M total unique visitors per year
- More than 200M internal search queries (queries within the information center search framework, not organic searches to get to the information center) per year

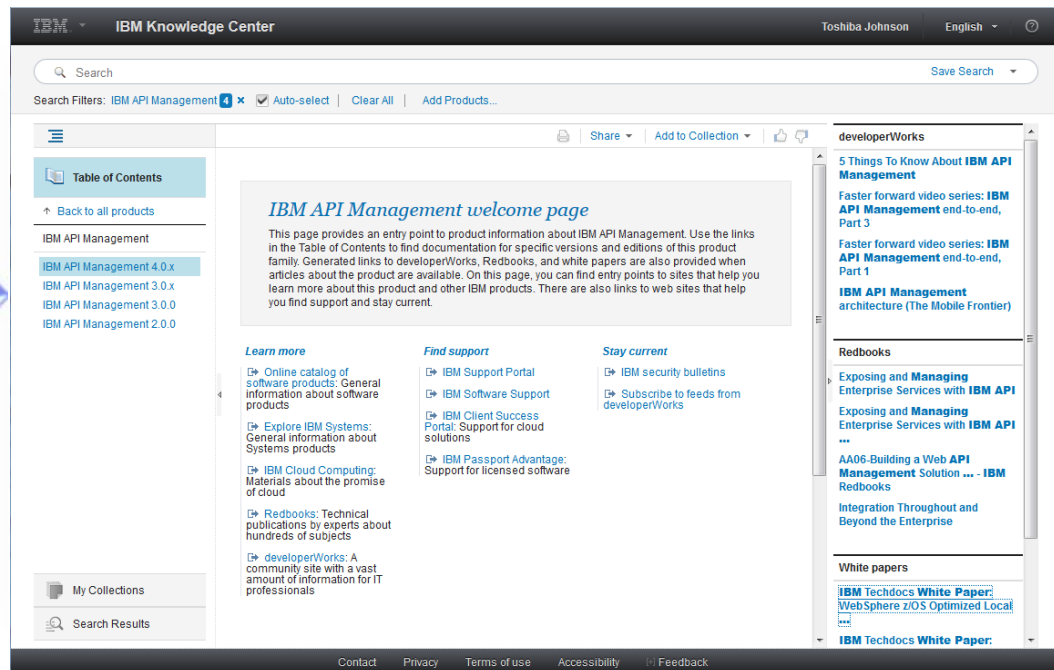
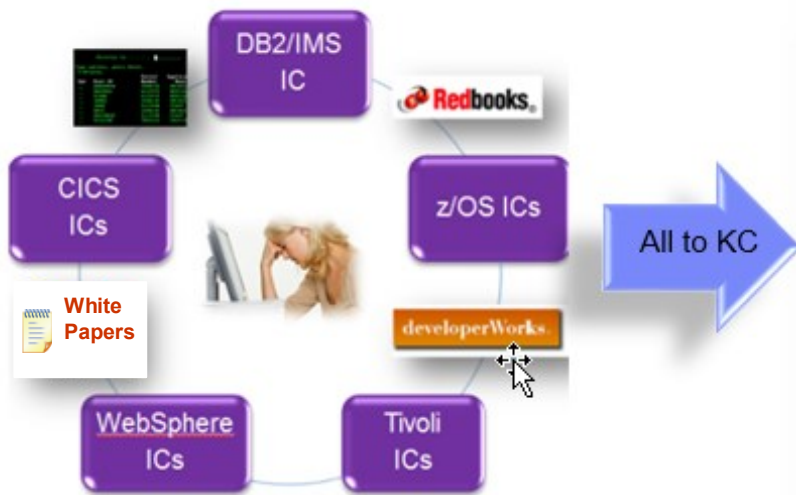


## The Information Center User experience

- Too many individual sites to work with multiple IBM products
- Inconsistent user experience from information center to information center
- Local Information Centers required customer to install multiple information centers
- Each product had it's own Information Center
- Potentially poor search relevance, and searching is impossible across product information centers
- Performance and availability issues

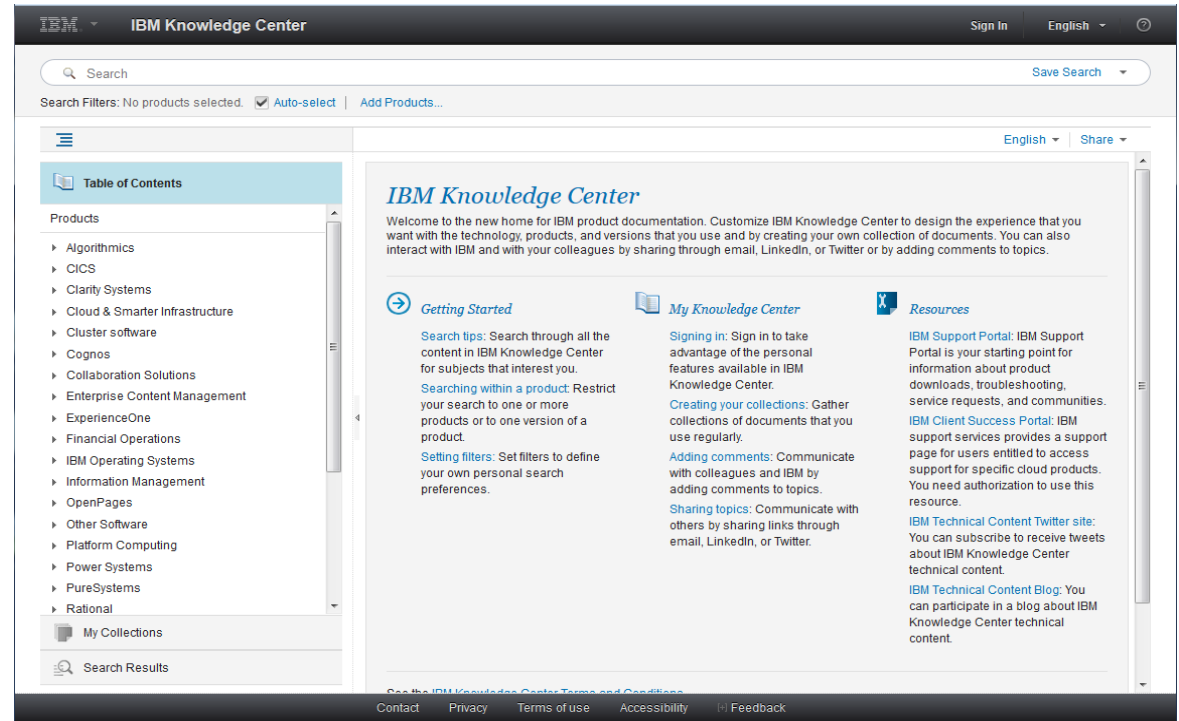
# IBM Knowledge Center: One stop shopping for all IBM documentation

IBM Knowledge Center is one central repository that contains ALL IBM product documentation. It contains all the existing information centers and other materials in a single application, at a single URL.



# Using IBM Knowledge Center

- Log-in is not required
- However, it is recommended because you can save search queries and create persistent, personalized collections.
- Users register for an IBM.COM user-id if they do not already have one.





# Utilizing the three main views

IBM Knowledge Center provides three views: Table of Contents, My Collections, and Search Results. To switch between them, click the section header for the view that you want to open.

The screenshot displays the IBM Knowledge Center interface. At the top, there is a navigation bar with the IBM logo, the text "IBM Knowledge Center", and options for "Sign In" and "English". Below this is a search bar with a magnifying glass icon and a "Save Search" button. A "Search Filters" section indicates "No products selected" and includes a checked "Auto-select" option and an "Add Products..." link.

The left sidebar contains a navigation menu with three main sections highlighted by yellow boxes: "Table of Contents", "My Collections", and "Search Results". Under "Table of Contents", there is a "Products" section with a list of product categories, including "Algorithms", "CICS", "Clarity Systems", "Cloud & Smarter Infrastructure", "Cluster software", "Cognos", "Collaboration Solutions", "Enterprise Content Management", "ExperienceOne", "Financial Operations", "IBM Operating Systems", "Information Management", "OpenPages", "Other Software", "Platform Computing", "Power Systems", "PureSystems", and "Rational".

The main content area is titled "IBM Knowledge Center" and includes a welcome message: "Welcome to the new home for IBM product documentation. Customize IBM Knowledge Center to design the experience that you want with the technology, products, and versions that you use and by creating your own collection of documents. You can also interact with IBM and with your colleagues by sharing through email, LinkedIn, or Twitter or by adding comments to topics." Below this, there are three columns of content: "Getting Started" (with sub-sections for search tips, searching within a product, and setting filters), "My Knowledge Center" (with sub-sections for signing in, creating collections, adding comments, and sharing topics), and "Resources" (with sub-sections for IBM Support Portal, IBM Client Success Portal, IBM Technical Content Twitter site, and IBM Technical Content Blog).

At the bottom of the page, there is a footer with links for "Contact", "Privacy", "Terms of use", "Accessibility", and "Feedback".

# Getting help in IBM Knowledge Center

IBM Knowledge Center provides an integrated help system that explains how to use various aspects of the interface including searching, sharing topics, and providing feedback.

The screenshot shows the IBM Knowledge Center interface. At the top right, a yellow callout box with a question mark icon says "Click the ? icon to open the help for IBM Knowledge Center." Below this, a white tooltip box is open, displaying search tips. The tooltip content is as follows:

You can use operators to refine your searches.

**Quotations**  
Use quotation marks to search for an exact word or set of words ("database management system").

**Wildcards**  
Use an asterisk (\*) in a search string as a placeholder for any missing or "wildcard" words in a phrase. Place the phrase in quotation marks for a more precise result ("DB2 \* table").

**OR**  
To search for pages that have one of two or more terms, include OR (capitalized) between the terms. Without OR, only pages that have all the terms in the string are returned in the search results.

**Minus signs**  
Use a minus sign (hyphen) before a word to exclude results that include that word. For example, to search for "business management" without the word "process", use "business -process management" as a search string.

**INTITLE:**  
Use INTITLE:term to search for the term in the page title only.

The background interface includes a search bar, a sidebar with a "Table of Contents" and "Products" list, and a footer with links for "Contact", "Privacy", "Terms of use", "Accessibility", and "Feedback".

# Navigation and search scopes are based on Product Taxonomy

The screenshot displays the IBM Knowledge Center interface. On the left, a 'subjectScheme' tree shows a hierarchical product taxonomy. The 'z/OS' category is highlighted, with sub-items like 'z/OSMF 1.13.0', 'z/OS 2.1.0', 'z/OS 1.13.0', and 'z/OS 1.12.0' listed. The main content area shows the 'z/OS welcome page' with a search filter for 'z/OS' and a 'Table of Contents' section. The right sidebar contains a 'developerWorks' section with links to various resources like 'DB2 for z/OS Best Practices' and 'White papers'.

## Filters and how they work – a glimpse behind the curtain

- Topics are organized using DITAMAPs.
- DITAMAPs are used to link individual topics into a hierarchy (TOC of a manual)
- Classification imposed on the topics are used by KC to establish a search scope such as all the content that belongs to z/OS V2R1. A DITAMAP that contains the classification for the information is called a Classification DITAMAP
- Classification DITAMAPs are used to create search scopes and filters
- Other classifications such as a message or task, are used as filters to narrow a large number of search hits to topics that have been explicitly classified as by the author. This hides or eliminates topics that may contain the search string, but are not part of the desired knowledge domain.
- For example, a message id may appear hundreds of times in the library, but when the “lookat message” filter is applied, search results that have not been classified as such, will drop out.

# Navigating to z/OS content

The z/OS product page lists the available content by release and highlights z/OS-specific content from developerWorks, IBM Redbooks, and white papers. To navigate to z/OS content more quickly in the future, bookmark the z/OS product page or a z/OS release-specific page.

IBM Knowledge Center

Search Filters: z/OS 3 x Auto-select Clear All Add Products...

z/OS

- z/OSMF 1.13.0
- z/OS 2.1.0
- z/OS 1.13.0
- z/OS 1.12.0

**z/OS welcome page**

This page provides an entry point to product information about z/OS. Use the links in the Table of Contents to find documentation for specific versions and editions of this product family. Generated links to developerWorks, Redbooks, and white papers are also provided when articles about the product are available. On this page, you can find entry points to sites that help you learn more about this product and other IBM products. There are also links to web sites that help you find support and stay current.

**Learn more**

- Online catalog of software products: General information about software products
- Explore IBM Systems: General information about Systems products
- IBM Cloud Computing: Materials about the promise of cloud
- Redbooks: Technical publications by experts about hundreds of subjects
- developerWorks: A community site with a vast amount of information for IT professionals

**Find support**

- IBM Support Portal
- IBM Software Support
- IBM Client Success Portal: Support for cloud solutions
- IBM Passport Advantage: Support for licensed software

**Stay current**

- IBM security bulletins
- Subscribe to feeds from developerWorks

**developerWorks**

- DB2 for z/OS Best Practices
- DB2 for z/OS Exchange Forum
- IBM WebSphere Application Server for z/OS Liberty Profile
- Integrate DB2 for z/OS with InfoSphere BigInsights, Part 1: Set up the ...

**Redbooks**

- Batch Modernization on z/OS
- Introduction to the New Mainframe: z/OS Basics
- ABCs of IBM z/OS System Programming Volume 1
- Introduction to the New Mainframe: z/OS Basics

**White papers**

- IBM Techdocs White Paper: IBM WebSphere Liberty z/OS Connect
- IBM Techdocs White Paper: WebSphere Liberty Profile for z/OS
- IBM Techdocs White Paper: z/OS: Planning Considerations for ...
- Why WebSphere Application Server for z/OS

**URL for the z/OS product page:**  
[www.ibm.com/support/knowledgecenter/SSLTBW](http://www.ibm.com/support/knowledgecenter/SSLTBW)

**URL for the z/OS V2R1 content:**  
[www.ibm.com/support/knowledgecenter/SSLTBW\\_2.1.0](http://www.ibm.com/support/knowledgecenter/SSLTBW_2.1.0)

# Using the Table of Contents to navigate z/OS documentation

The Table of Contents contains a hierarchical structure just like the z/OS information center. The top-level node is the z/OS element followed by each book and the topics within a book.

The screenshot shows the IBM Knowledge Center interface. The breadcrumb trail is: z/OS 2.1.0 > z/OS MVS > z/OS MVS Diagnosis: Reference > System Reference > Identifying modules, components, and products. The left-hand navigation pane shows a tree structure where 'z/OS MVS' and 'z/OS MVS Diagnosis: Reference' are highlighted with yellow boxes. The main content area displays the title 'Identifying modules, components, and products' and a paragraph explaining that the topic contains information to help identify module, component, and product information. It lists three bullet points: 'Relating a module prefix to component and product', 'Relating component name to module, component, and product', and 'Relating component ID to component name, module prefix, and product'. Below this, it states 'Each table contains the following sections:' followed by a list of sections: 'Module prefix' (with sub-points for CSECT name, Entry point name, Macro name, and Module name), 'Component name', 'Product ID', and 'Component ID'. The footer contains links for Contact, Privacy, Terms of use, Accessibility, and Feedback, along with the copyright notice '© 2015 IBM Corporation'.

## Contextual search scopes are also based on product keys (only)

Navigating through products adds them to product search filters – automatically! That is, when you search, your search results will be filtered for the version and release of the product's content that you are navigating.

The screenshot shows the IBM Knowledge Center interface. At the top, there is a search bar and a navigation menu. Below the search bar, a search filter is applied: "z/OS 2.1.0". The main content area displays a document titled "Identifying modules, components, and products" under the path "z/OS 2.1.0 > z/OS MVS > z/OS MVS Diagnosis: Reference > System Reference > Identifying modules, components, and products". The document content includes a table of contents on the left, a main heading, a paragraph of text, and a list of links. The filter "z/OS 2.1.0" is highlighted with a yellow box in the original image.

IBM Knowledge Center

Toshiba Johnson English

Search

Search Filters: z/OS 2.1.0 x Auto-select Clear All Add Products...

Table of Contents

- z/OS Language Environment
- Library Server
- z/OS Metal C Runtime Library
- z/OS MVS
  - z/OS Batch Runtime Planning and User's C
  - z/OS MVS Capacity Provisioning User's Gui
  - z/OS MVS Device Validation Support
  - z/OS MVS Diagnosis: Reference
    - Summary of changes for z/OS Version 2
    - Summary of changes for z/OS Version 2
    - System Reference
      - Identifying modules, components, and products
      - Specifying symptoms
      - SYSEVENTS
      - SVC summary
      - Program call services in the system
      - Serialization summary
      - Status indicators for system resourc
      - Storage summary

My Collections

Search Results

z/OS 2.1.0 > z/OS MVS > z/OS MVS Diagnosis: Reference > System Reference > Identifying modules, components, and products

### Identifying modules, components, and products

This topic contains information to help you identify module, component, and product information related to where an error is occurring. The three tables contain the same information, indexed three different ways. Use the tables as follows:

- [Relating a module prefix to component and product](#)
- [Relating component name to module, component, and product](#)
- [Relating component ID to component name, module prefix, and product.](#)

Each table contains the following sections:

- Module prefix:** The module prefix is the first three or more characters in:
  - o CSECT name
  - o Entry point name
  - o Macro name
  - o Module name

The name of a module or macro owned by IBM® usually begins with the characters A through I. There are a few exceptions beginning with S or X.
- Component name:** The component name shows the component associated with the module prefix. In some cases, this section shows the name of a command or macro.
- Product ID:** The product ID is a number identifying the product that a component is associated with. Each separately orderable product has a unique product ID.
- Component ID:** The component ID is an alphanumeric identifier unique for each component. For component

Contact Privacy Terms of use Accessibility Feedback

# Using breadcrumbs to navigate z/OS documentation

IBM Knowledge Center provides breadcrumbs that reflect the path to a topic, starting with the z/OS release. To return to a parent topic, click the corresponding link in the breadcrumb trail.

The screenshot displays the IBM Knowledge Center interface. At the top, the user is identified as 'Toshiba Johnson' and the language is set to 'English'. A search bar is present with the text 'Search' and a 'Save Search' button. Below the search bar, search filters are shown: 'z/OS 2.1.0' (selected), 'Auto-select' (checked), 'Clear All', and 'Add Products...'. The main content area features a breadcrumb trail: 'z/OS 2.1.0 > z/OS MVS > z/OS MVS Diagnosis: Reference > System Reference > Identifying modules, components, and products'. The article title is 'Identifying modules, components, and products'. The text explains that the topic provides information to help identify module, component, and product information related to where an error is occurring. It lists three tables: 'Relating a module prefix to component and product', 'Relating component name to module, component, and product', and 'Relating component ID to component name, module prefix, and product'. It also states that each table contains sections for 'Module prefix', 'Component name', 'Product ID', and 'Component ID'. The footer contains links for 'Contact', 'Privacy', 'Terms of use', 'Accessibility', and 'Feedback'.



## Using the URL to navigate between topic versions

The z/OS version and release are included in a topic's URL. To quickly navigate between different versions/releases of the same topic, manually modify the version and release.

The image shows two screenshots of the IBM Knowledge Center interface. The top screenshot shows a browser address bar with the URL `www-01.ibm.com/support/knowledgecenter/SSLTBW_2.1.0/com.ibm.zos.v2r1.eav200/i`. The bottom screenshot shows the same page after navigation, with the URL `www-01.ibm.com/support/knowledgecenter/SSLTBW_1.13.0/com.ibm.zos.v1r13.eav200/i`. The page content includes a search bar, search filters for 'z/OS 1.13.0', and a table of contents on the left. The main content area displays the title 'z/OS MVS Diagnosis: Reference' and the specific topic 'Identifying modules, components, and products' for z/OS 1.13.0.

z/OS 1.13.0

**z/OS MVS Diagnosis: Reference**

[Previous topic](#) | [Next topic](#) | [Contents](#) | [Index](#) | [Contact z/OS](#) | [Library](#) | [PDF](#) | [BOOK](#)

### Identifying modules, components, and products

z/OS MVS Diagnosis: Reference  
GA22-7588-16

This topic contains three tables to help you identify module, component, and product information to where an error is occurring. The three tables contain the same information, indexed three different ways. Use the tables as follows:

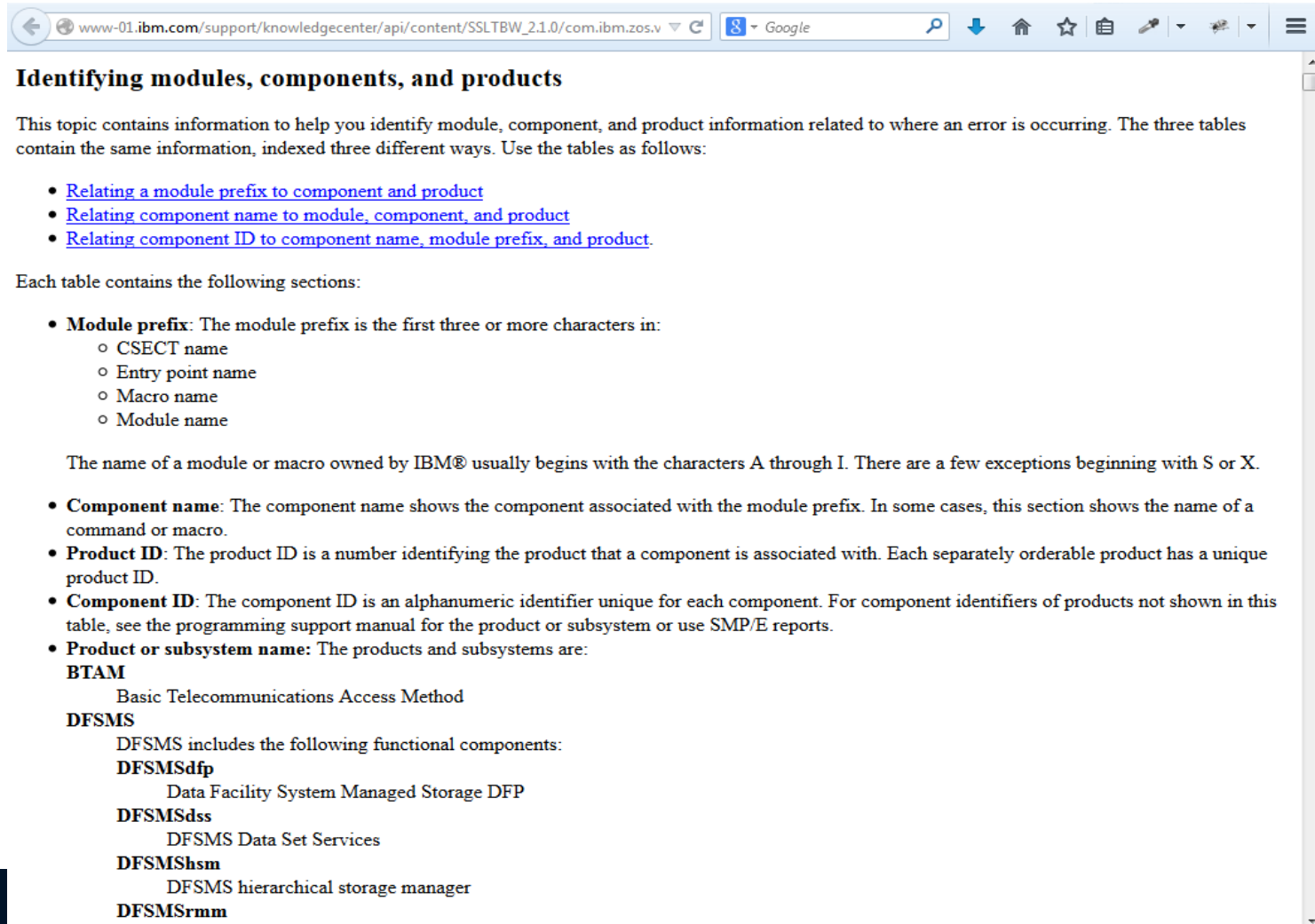
# Maximizing the viewable content

To display more of the content within a topic, collapse the navigation area or open the topic in a new window.

The screenshot shows the IBM Knowledge Center interface. The top navigation bar includes the IBM logo, 'IBM Knowledge Center', the user name 'Toshiba Johnson', and the language 'English'. A search bar is present with a 'Save Search' button. Below the search bar, there are search filters for 'z/OS 2.1.0' and 'Auto-select'. The main content area is titled 'z/OS 2.1.0 > z/OS MVS > z/OS MVS Diagnosis: Reference > System Reference > Identifying modules, components, and products'. The left sidebar contains a 'Table of Contents' with a tree view of topics. A yellow callout box points to the hamburger menu icon in the top left, stating 'Click to hide the navigation area.' Another yellow callout box points to the vertical scrollbar on the left sidebar, stating 'Drag left or double click to decrease the size of the navigation area.' A third yellow callout box points to the 'Open in new tab (content only)' option in a context menu, stating 'Right-click a topic, and select this option to display the topic in a new browser tab without the IBM Knowledge Center framework.' A blue starburst callout on the right side of the page contains the text: 'Tip: Always open linked topics in new browser tabs so that each original page stays scrolled to the correct spot.' The main content area includes a title 'Identifying modules, components, and products', a paragraph of introductory text, and a list of three links: 'Relating a module prefix to component and product', 'Relating component name to module, component, and product', and 'Relating component ID to component name, module prefix, and product'. The bottom of the page features a footer with links for 'Contact', 'Privacy', 'Terms of use', 'Accessibility', and 'Feedback', along with a copyright notice for '© 2015 IBM Corporation'.

# Maximizing the viewable content: Example of a content-only topic

This is a topic after you right-click it and select the **Open in new tab (content only)** option.



**Identifying modules, components, and products**

This topic contains information to help you identify module, component, and product information related to where an error is occurring. The three tables contain the same information, indexed three different ways. Use the tables as follows:

- [Relating a module prefix to component and product](#)
- [Relating component name to module, component, and product](#)
- [Relating component ID to component name, module prefix, and product.](#)

Each table contains the following sections:

- **Module prefix:** The module prefix is the first three or more characters in:
  - CSECT name
  - Entry point name
  - Macro name
  - Module name

The name of a module or macro owned by IBM® usually begins with the characters A through I. There are a few exceptions beginning with S or X.

- **Component name:** The component name shows the component associated with the module prefix. In some cases, this section shows the name of a command or macro.
- **Product ID:** The product ID is a number identifying the product that a component is associated with. Each separately orderable product has a unique product ID.
- **Component ID:** The component ID is an alphanumeric identifier unique for each component. For component identifiers of products not shown in this table, see the programming support manual for the product or subsystem or use SMP/E reports.
- **Product or subsystem name:** The products and subsystems are:
  - BTAM**  
Basic Telecommunications Access Method
  - DFSMS**  
DFSMS includes the following functional components:
    - DFSMSdftp**  
Data Facility System Managed Storage DFP
    - DFSMSdss**  
DFSMS Data Set Services
    - DFSMSshsm**  
DFSMS hierarchical storage manager
    - DFSMSrmm**

# Providing feedback and sharing content in IBM Knowledge Center

IBM Knowledge Center promotes continuous improvements and encourages collaboration by enabling you to rate topics, provide public and private feedback, and share content through email or social media.

The screenshot shows the IBM Knowledge Center interface. At the top, the user is logged in as 'Toshiba Johnson' and the language is set to 'English'. A search bar is visible with the text 'Search Filters: z/OS 2.1.0 x Auto-select | Clear All | Add Products...'. On the left, a navigation pane shows a 'Table of Contents' with categories like 'z/OS JES3', 'z/OS Language Environment', and 'z/OS MVS'. The main content area displays a table of topics. A callout 'Rate topics' points to a thumbs-up icon. Another callout 'Share topics on LinkedIn, Twitter, or by email.' points to a 'Share' dropdown menu with options for Email, LinkedIn, and Twitter. A third callout 'Write comments or ask questions (public)' points to a 'Comments (0) Add Comment' section. A fourth callout 'Send feedback (private)' points to a 'Feedback' link in the footer.

5752SC1BN	S				
5752SCRTD	Runtime Diagnostics	HZR		ZOS	RACF
97801	Graphics Access Method (GAM)	GAB, IFF, IGC, IGG	5741, 5650-ZOS, 5665	ZOS	MVS
99201	Device Support Facilities	ICK	5655		ICKDSF

Other Languages | Other Versions

By adding a comment, you accept our IBM Knowledge Center Terms of Use. Comments on this IBM Knowledge Center site do not represent the views or opinions of IBM. IBM is not responsible for, and does not validate, any comments you post. IBM does not endorse any of your comments. All IBM comments are provided "AS IS" and are not warranted by IBM in any way.

Comments (0) Add Comment

No Comments

Contact Privacy Terms of use Accessibility Feedback Send feedback (private)

# Finding content using a simple search: Entering search terms

To perform a simple search, enter your keywords into the search field and press Enter. As you type, IBM Knowledge Center suggests possible keywords, product pages, and collections related to your search.

The screenshot displays the IBM Knowledge Center search interface. At the top, the search bar contains the text "dynamic". Below the search bar, a dropdown menu shows "KEYWORD HINTS" with three suggestions: "dynamic routing - Keyword Hint", "dynamic - Keyword Hint", and "dynamic web page - Keyword Hint". Underneath, "PRODUCT PAGES" lists "WebSphere Dynamic Process Edition - Product Page". The main content area is divided into three columns: "Learn more" (with links to software product catalogs, IBM Systems, Cloud Computing, Redbooks, and developerWorks), "Find support" (with links to IBM Support Portal, Software Support, Client Success Portal, and Passport Advantage), and "Stay current" (with links to security bulletins and developerWorks feeds). On the right side, there are sections for "Redbooks" (including "Batch Modernization on z/OS" and "Introduction to the New Mainframe: z/OS Basics") and "White papers" (including "IBM Techdocs White Paper: IBM WebSphere Liberty z/OS Connect" and "IBM Techdocs White Paper: WebSphere Liberty Profile for z/OS"). The bottom of the page features a footer with links for "Contact", "Privacy", "Terms of use", "Accessibility", and "Feedback".

# Finding content using a simple search: Results

The search results display a title, summary, and containing product-release for each topic.

The screenshot shows the IBM Knowledge Center search results page for the query "dynamic vipa". The page includes a search bar, filters, and a list of search results. The results are displayed in a list format, each with a title, a summary, and the date and product release information.

**Search Filters:** z/OS 3 x  Auto-select | Clear All | Add Products...

**Search Results:**

- Choosing which form of dynamic VIPA support to use - IBM**  
 When to use VIPADEFINE and VIPABACKUP to define a **dynamic VIPA**: One or more applications bind to the IPv4 INADDR\_ANY address or to the IPv6 ...  
 Date: February 11, 2015 | Found in: z/OS 2.1.0
- Same dynamic VIPA for VIPADEFINE and BIND(). SIOCSVIPA or ...**  
 Regardless of careful implementation, it is possible that the same IP address is inadvertently selected for VIPADEFINE and for use with BIND(), SIOCSVIPA or ...  
 Date: February 11, 2015 | Found in: z/OS 2.1.0
- Same dynamic VIPA for VIPADEFINE and BIND(), SIOCSVIPA or ...**  
 Regardless of careful implementation, it is possible that the same IP address is inadvertently selected for VIPADEFINE and for use with BIND(), SIOCSVIPA or ...  
 Date: August 8, 2014 | Found in: z/OS 2.1.0
- Configure a CPCSCOPE dynamic VIPA for each CPC for use by a ...**  
 Configure a CPCSCOPE **dynamic VIPA** for each CPC for use by a group of DataPower target applications. A CPCSCOPE DVIPA is specific to the CPC on which ...  
 Date: February 11, 2015 | Found in: z/OS 2.1.0
- Choosing which form of dynamic VIPA support to use**  
 When should VIPARANGE and the MODDVIPA utility (or ioctl command SIOCSVIPA or SIOCSVIPA6) be used to define a **dynamic VIPA**? The application cannot ...  
 Date: September 10, 2013 | Found in: z/OS 1.12.0
- Dynamic VIPA creation results**  
 Table 20 summarizes the results of attempting to create a **dynamic VIPA** when it ( or the same IP address for HOME statement) already exists in the sysplex.  
 Date: September 10, 2013 | Found in: z/OS 1.12.0

**Page Navigation:** 1 - 80 items | 20 40 60 80 | Next 20 results ▶

**Footer:** Contact | Privacy | Terms of use | Accessibility | Feedback

## Narrowing search results to a specific release

By default, the search filter is initially set to search all products and releases. To select a specific release, click **Add Products**, select one or more product releases to search, then click **Apply**.

The screenshot shows the IBM Knowledge Center search interface. The search query is "dynamic vipa". The search filters are set to "z/OS 3". The "Add Products..." button is highlighted with a yellow box. The "Add Products" dialog box is open, showing a list of products to add as search filters. The "z/OS 2.1.0" product is selected and highlighted with a yellow box. The dialog box has "Apply", "Clear All", and "Cancel" buttons at the bottom.

IBM Knowledge Center

Toshiba Johnson English

dynamic vipa Save Search

Search Filters: z/OS 3 x Auto-select Clear All Add Products...

1 - 80 items

20 40 60 80 Next 20 results

**Add Products**

Select or search for products to add as search filters.

Enter product name

- System z Operating Systems
  - z/OS
    - z/OS 2.1.0
    - z/OS 1.13.0
    - z/OS 1.12.0
    - z/OS Basic Skills
  - z/VM
  - Transaction Processing Facility Database Facility
  - zTransaction Processing Facility Enterprise Edition
- Information Management
- OpenPages
- Other Software

Apply Clear All Cancel

Table 20 summarizes the results of attempting to create a dynamic VIPA when it ( or the same IP address for HOME statement) already exists in the sysplex.  
Date: September 10, 2013 | Found in: z/OS 1.12.0

Contact Privacy Terms of use Accessibility Feedback

# Narrowing search results to a specific release

The search results are filtered, and they contain only the selected releases.

The screenshot shows the IBM Knowledge Center interface. At the top, the search bar contains 'dynamic vipa'. Below the search bar, the 'Search Filters' section is highlighted with a yellow box, showing 'z/OS 2.1.0' selected. The search results are filtered to show only articles from z/OS 2.1.0. A blue callout box with a starburst shape contains the text: 'Note: The search filter stays set until you reset it or click within another product's tree in the navigation area.'

**Search Filters:** z/OS 2.1.0  Auto-select | Clear All | Add Products...

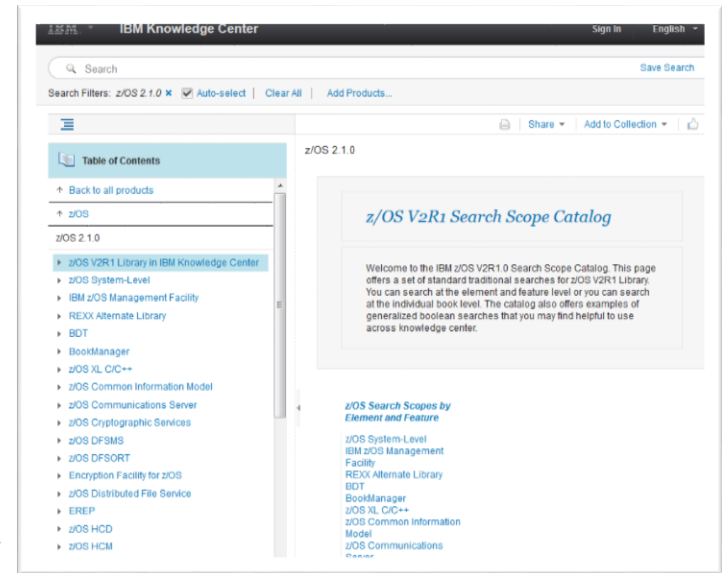
**Search Results:**

- Resolution of dynamic VIPA conflicts - IBM**  
The same **dynamic VIPA** can exist on more than one stack in the sysplex, playing different roles on the different stacks. The TCP/IP stacks collaborate to prevent ...  
Date: February 11, 2015 | Found in: z/OS 2.1.0
- Dynamic VIPA creation results**  
Table 1 summarizes the results of attempting to create a **dynamic VIPA** when it ( or the same IP address f... ) already exists in the sysplex.  
Date: February 11, 2015 | Found in: z/OS 2.1.0
- Dynamic VIPA and sysplex distributor management data**  
The TCP/IP subagent supports **dynamic VIPA** (DVIPA) and sysplex distributor manag... specific MIB.  
Date: February 12, 2015 | Found in: z/OS 2.1.0
- TCP/IP profile record distributed dynamic VIPA (DVIPA) section**  
This section provides information about distributed TCP connection processing for dyna... configured on the ...  
Date: October 31, 2014 | Found in: z/OS 2.1.0
- Planning for dynamic VIPA takeover**  
The **dynamic VIPA** takeover function addresses this problem. It is important to understand that **dynamic VIPA** takeover does not introduce functions that could not ...  
Date: February 11, 2015 | Found in: z/OS 2.1.0



# Experimental Search Aid – Search Scope Catalog

- Initially this was designed to resurrect things like bookshelf searches and the ability to search just a book. Bookshelves either by element, information type (command, message), or an arbitrary set of manuals (your custom shelf), are all search scopes.
- Although anyone can use this technique to create their own custom search scope, there is value in having a set of predefined scopes available, so users do not have to create their own. That's why the search scope catalog was created.
- Search Scope Catalog Prototype:
- [http://www.ibm.com/support/knowledgecenter/SSLTBW\\_2.1.0/com.ibm.zos.v2r1/zos-search/zossearchscopes.html](http://www.ibm.com/support/knowledgecenter/SSLTBW_2.1.0/com.ibm.zos.v2r1/zos-search/zossearchscopes.html)
- These scopes take advantage of the fact that our z/OS base documentation is well structured using information plug-ins. Each book has it's own plug-in ID.
  - Used alone, they let the user narrow the search to a single book.
  - Used with Boolean operators, they can mimic a BookManager element or feature shelf.
  - Users can create their own combination to create a custom shelf for a particular task.



# DFSMS Example Search

IBM Knowledge Center

Search Filters: z/OS 2.1.0 x Auto-select Clear All Add Products...

z/OS 2.1.0

**z/OS V2R1 Search Scope Catalog**

Welcome to the IBM z/OS V2R1 Library. You can search for examples of general...

**z/OS Search Scopes by Element and Feature**

- z/OS System-Level
- IBM z/OS Management Facility
- REXX Alternate Library
- BDT
- BookManager
- z/OS XL C/C++
- z/OS Common Information Model
- z/OS Cryptographic Services
- z/OS DFSMS
- z/OS DFSORT
- Encryption Facility for z/OS
- z/OS Distributed File Service
- EREP
- z/OS HCD
- z/OS HCM
- HLASM
- IBM HTTP Server
- ICKDSF
- Infoprint Server, Infoprint Transforms PSF for z/OS

IBM Knowledge Center

Search Filters: z/OS 2.1.0 x Auto-select Clear All Add Products...

z/OS 2.1.0

**z/OS V2R1 DFSMS\* Library**

Choose a search scope:

The z/OS DFSMS\* Library ("PDF Only" not included)

Search terms:

Submit

Other Languages Other Versions

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Comments (0) Add Comment

optimize(inurl:ida1200 OR antg000 OR idam500 OR idai600 OR idac700 OR idag200 OR idad500 OR idac100 OR idao100 OR idao200 OR idao300 OR idaj100 OR idad400 OR idai500 OR idam300 OR idak100

## Make Your Own Search Scope

- Unfortunately, users who create a custom collection cannot search it. The ability to search saved collections is a requirement that will probably be available next year.
- optimize(inurl:idai200 OR antg000 OR idam500 OR idai600 OR idac700 OR idag200 OR idad500 OR idac100 OR idao100 OR idao200 OR idao300 OR idaj100 OR idad400 OR idai500 OR idam300 OR idak100 OR idav100 OR idas300 OR idac400 OR idar100 OR idas200 OR idau100 OR adru000 OR arck000 OR arci000 OR arcd000 OR arcf000 OR idara00 OR idard00 OR idarc00 OR idarm00 OR idarr00 OR idat300 OR idat100)
- This presentation has a list of plug-in IDs for the z/OS V2R1 base
- SME's are accustomed to having a set of custom shelves or search scopes handy to do a particular task. If you choose, you can use the plug-in IDs and create your own Boolean search scopes.
- A helpful resource: is the Google Guide:
- <http://www.googleguide.com/google-questions-answers/>

# Using Boolean operators to narrow search results

IBM Knowledge Center allows you to use Boolean operators (**AND/+**, **OR/|**, **NOT/-**, and so on) to create complex queries.

The screenshot shows the IBM Knowledge Center search interface. The search bar contains the query `"dynamic vipa" | dvipa`. A callout box points to the search bar with the text: "Find topics that contain the phrase *dynamic VIPA* or the word *DVIPA* anywhere in the text." The search results are displayed in a list format, showing 1-20 items. The first result is "Manually initiating takeover for an individual dynamic VIPA". Other results include "DVIPA takeover", "Choosing which form of dynamic VIPA support to use", "Configure a CPCSCOPE dynamic VIPA for each CPC for use by a group ...", "Resolution of dynamic VIPA conflicts", and "Configuring DVIPA support". The left sidebar shows navigation options like "Table of Contents", "My Collections", and "Search Results". The bottom of the page has a footer with "Contact", "Privacy", "Terms of use", "Accessibility", and "Feedback" links.

# Using search operators to narrow search results

IBM Knowledge Center allows you to use search operators (**intext**, **inurl**, **intitle**, and so on) to create complex queries that further refine your search results.

IBM Knowledge Center

Search: "dynamic vipa" | dvipa intitle:introduction | intitle:overview

Search Filters: z/OS 2.1.0 x Auto-select Clear All Add

1 - 5 items

**Introduction to VIPA**  
 VIPA takeover improved with the introduction of dynamic virtual IP address ( DVIPA) and distributed dynamic virtual IP address (distributed DVIPA). The DVIPA ...  
 Date: February 11, 2015 | Found in: z/OS 2.1.0

**Scenario 1 overview - sysplex distributor load balancing to DataPower**  
 For each TCP connection request sent to the tier 1 DVIPA and port, the tier 1 sysplex distributor makes a load-balancing decision and routes the request to one ...  
 Date: February 11, 2015 | Found in: z/OS 2.1.0

**Overview of DEVICE and LINK statements**  
 There is no maximum for static VIPA interfaces, but the maximum number of dynamic VIPA interfaces is 1024. Figure 1 summarizes information about the various ...  
 Date: February 12, 2015 | Found in: z/OS 2.1.0

**Overview of diagnosing sysplex distributor problems - IBM**  
 Diagnosing sysplex distributor problems presents some unique challenges. Because a DVIPA can be associated with multiple stacks in a sysplex, determining ...  
 Date: August 8, 2014 | Found in: z/OS 2.1.0

**Scenario 2 overview - sysplex distributor load balancing to ... - IBM**  
 The CPC in site 1 (CPC1) uses a CPCSCOPE DVIPA that belongs to the site 1 datapower subnet, 201.81.10.7, and the CPC in site 2 (CPC2) uses another ...  
 Date: August 8, 2014 | Found in: z/OS 2.1.0

Contact Privacy Terms of use Accessibility Feedback

## Saving your search criteria

To find relevant content even faster in the future, bookmark the search URL that IBM Knowledge Center provides, or click **Save Search** to save your criteria.

The screenshot shows the IBM Knowledge Center search results page. The browser's address bar is highlighted with a yellow box, containing the URL: `www-01.ibm.com/support/knowledgecenter/search/"dynamic vipa" | dvipa intitle%3Aintroduction | intitle%3Aoverview inurl%3Ahalz002?scope=SSLTBW_2.1.0`. A yellow callout bubble points to this URL with the text: "To share your search criteria, email this URL to others." In the top right corner of the page, a "Save Search" button is highlighted with a yellow box. A modal dialog titled "Name the Search" is open, showing a text input field for the search name containing the query: `"dynamic vipa" | dvipa intitle:introduction | intitle:over`. A yellow callout bubble points to this input field with the text: "When saving your search criteria, enter a name that is meaningful to you. For example, you could call this one *Introduction to DVIPA*." The dialog also includes a "Save" button and a "Cancel" button.

## Narrowing search results to a specific book

Each book in the z/OS library is assigned a unique identifier, which is included in its URL. For example, book identifier *e0zm100* corresponds to *z/OS Migration*. You can use the **inurl** search operator and the book's identifier to narrow the search results to a specific book. The identifier for each book is provided in the Backup Resources slides.

The screenshot shows the IBM Knowledge Center search interface. The search bar contains the query: `"dynamic vipa" | dvipa intitle:introduction | intitle:overview inurl:halz002`. The search filters are set to `z/OS 2.1.0`. The search results show 1-3 items, including:

- Introduction**  
VIPA takeover imp...  
DVIPA ...  
Date: February 11, 2015 | Found in: z/OS 2.1.0
- Scenario 1 overview - sysplex distributor load balancing to DataPower**  
For each TCP connection request sent to the tier 1 DVIPA and port, the tier 1 sysplex distributor makes a load-balancing decision and routes the request to one ...  
Date: February 11, 2015 | Found in: z/OS 2.1.0
- Scenario 2 overview - sysplex distributor load balancing to ... - IBM**  
The CPC in site 1 (CPC1) uses a CPCSCOPE DVIPA that belongs to the site 1 datapower subnet, 201.81.10.7, and the CPC in site 2 (CPC2) uses another ...  
Date: August 8, 2014 | Found in: z/OS 2.1.0

A callout box highlights the search criteria: **Find topics in the “z/OS Communications Server: IP Configuration Guide” book that contain the phrase *dynamic VIPA* or the word *DVIPA* anywhere in the text and that contain the word *introduction* or the word *overview* in the title.**

# Using your saved search criteria

IBM Knowledge Center lists your saved searches in the Save Search menu. You can save up to ten searches.

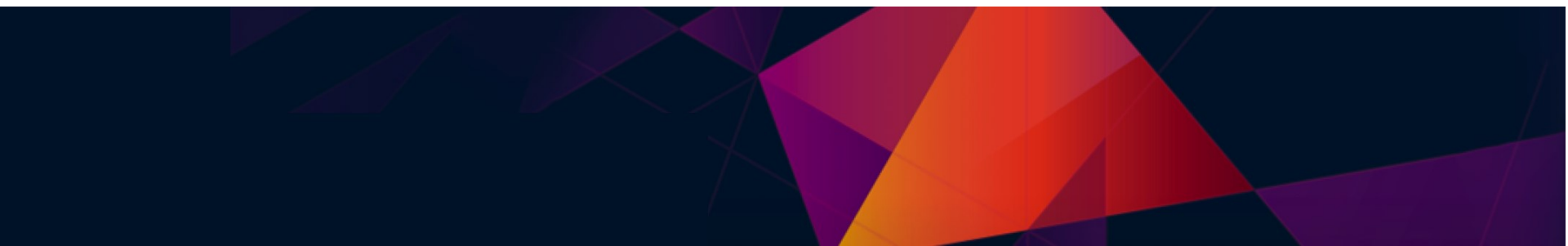
The screenshot shows the IBM Knowledge Center interface. At the top, the search bar contains the query: "dynamic vipa" | dvipa intitle:introduction | intitle:overview inurl:halz002. Below the search bar, there are search filters for z/OS 2.1.0, Auto-select, Clear All, and Add Products... A dropdown menu titled "Save Search" is open, showing three options: "Save this search query", "Manage saved search queries", and "Introduction to DVIPA" (which is checked). The main content area displays search results for "Introduction to VIPA", "Scenario 1 overview - sysplex distributor load balancing to DataPower", and "Scenario 2 overview - sysplex distributor load balancing to ... - IBM". The left sidebar contains navigation options like Table of Contents, My Collections, Search Results, Date Range, Tasks, and Operating Systems.





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# Knowledge Center Mobile



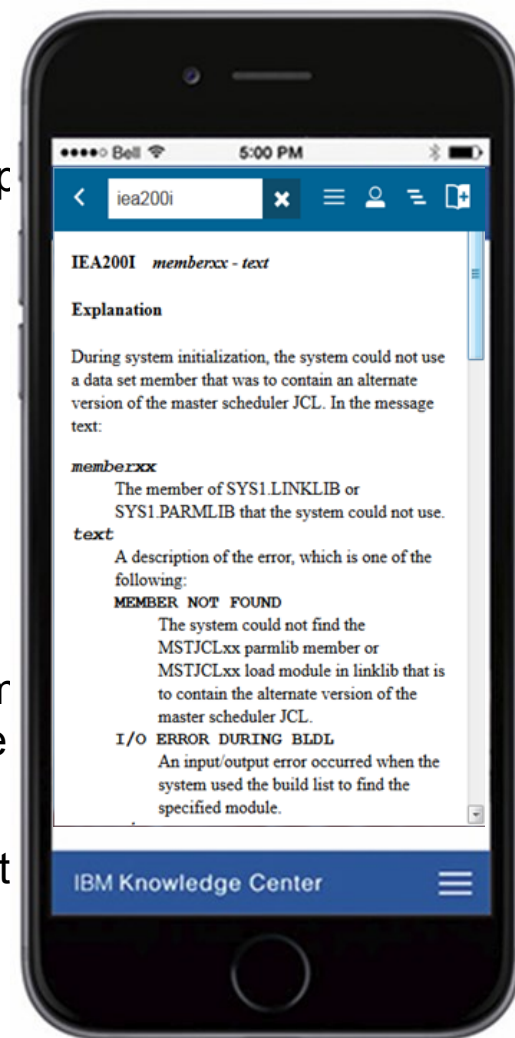
## Using IBM Knowledge Center mobile beta to access documentation on your mobile device

The new IBM Knowledge Center mobile beta is available and supported. Access it at [www.ibm.com/support/knowledgecenter/mobile/](http://www.ibm.com/support/knowledgecenter/mobile/).

With the mobile version, you can:

- Search all of IBM Knowledge Center
- Filter your searches by product
- Preview search results
- Read topics and get context with mobile-friendly breadcrumbs
- Log in and add topics to "My Collections" so you can read them
  - When you sign in from a desktop, the topics you added are called "Added from IBM Knowledge Center Mobile"

IBM Knowledge Center mobile beta also lets you switch back to the desktop options page.

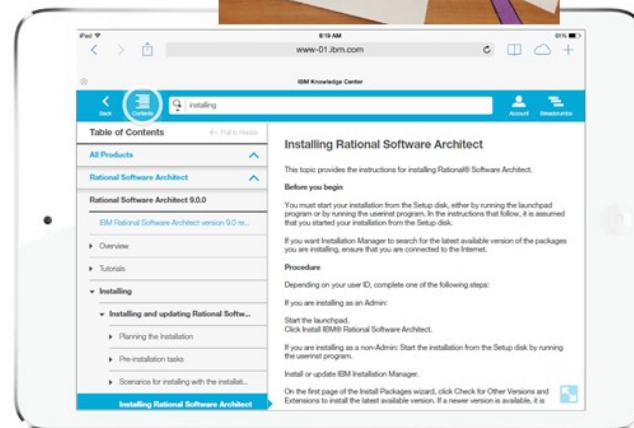


# IBM Knowledge Center - Next Version

- **IBM Design Hallmark project** that seeks to improve the user experience, based on end-user feedback, goals and compelling, iconic design
  
- **3 major end-user-driven, measurable goals** for this release:
  - Improved search and application user experience
  - Improved notification, sharing, discovery and customization of content
  - Improved experience across ibm.com, mobile, stand-alone, and Cloud contexts
  
- **Technical foundation goals:**
  - IBM KC “straight-wire”: increasing performance, reliability and scalability for all versions of IBM KC
  - Content discovery and aggregation
  - Application and content alignment with ibm.com and IBM design standards



iii



## Search Improvement Priorities

- **If you had \$100 to spend on improving the following areas in IBM KC search results, how would you allocate the money across the following areas?**
- 1. **Larger previews on the search results page (375):** ability to read more of the topic from search results, see highlighted search terms more easily, quickly open a full-screen view without leaving the search results page
- 2. **Ability to view results from across ibm.com (255),** not just IBM KC
  - 1. Public results? dW, ITSO redbooks, public Support Technotes
  - 2. Private results (based on sign-in)? Support entitlements, APARs/PMRs,
- 3. **More detailed information about each result (205):** breadcrumb information (where in product TOC result shows), other available doc versions (even outside your product filter?), publication date
- 4. **Ability to restrict results to only a particular sub-section of a product TOC (165)** (eg. “chapter or book”)
- 5. **Ability to group results by product first, then relevance (90)** (bundle results)

▪



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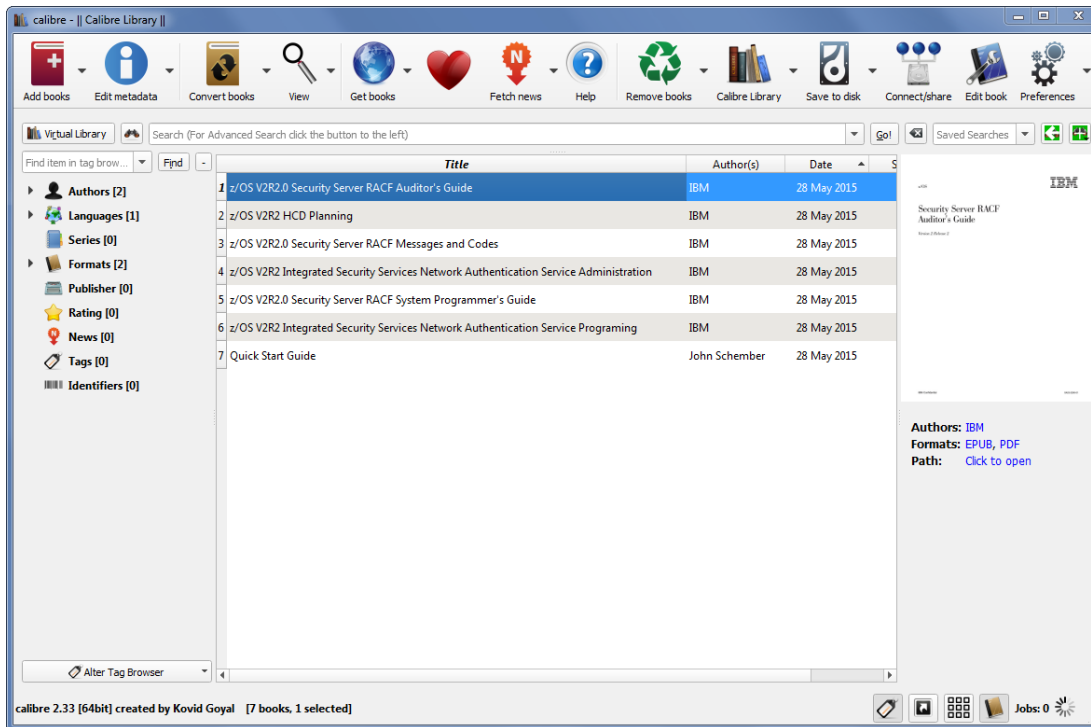
# More Ways Access z/OS Documentation

## Use IBM Softcopy Reader to organize and search across multiple PDFs

1. Download and configure IBM Softcopy Reader for Windows V4.0: <http://www-01.ibm.com/support/docview.wss?uid=swg24001220>.
2. Use one or more of the following methods to download the PDFs in which you are interested:
  - Use IBM Softcopy Librarian ([www.ibm.com/support/docview.wss?uid=swg24000640](http://www.ibm.com/support/docview.wss?uid=swg24000640)) to download entire PDF collection kits or specific PDFs. You can create multiple repositories on your workstation, on a network drive, or natively on z/OS. Once established, Softcopy Librarian helps keep your repositories current by flagging new and updated documents.
  - Manually download PDFs from the z/OS V2R1 Elements and Features Documentation Download page: [www.ibm.com/systems/z/os/zos/library/bkserv/v2r1pdf/](http://www.ibm.com/systems/z/os/zos/library/bkserv/v2r1pdf/).
  - Manually download PDFs from the IBM Publications Center: [www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss](http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss). To do so, search for “z/OS V2R1 Collection” or publication number “SK4T-4949” (English).
3. In IBM Softcopy Reader, specify the location of the PDFs. Then, organize and search away!

## E-Pub Readers

- If your preference is to maintain your own personal library on your laptop using PDFs, you might consider using an ePub reader such as Calibre.
- There are many open source readers available, and we do not recommend any one reader, but most will let you catalog your PDF library and best of all, let you see the titles.



## Windows-based IBM information center

1. On the IBM Publications Center ([www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss](http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss)), search for and download SK5T-7089-03, which is the ISO file for the z/OS V1R13 information center DVD.
2. Burn a DVD from the ISO file.
3. Use the DVD on your workstation to install the z/OS V1R13 information center. If you're happy with V1R13 content, stop here. If you instead need z/OS V2R1 content, though, continue to the next step.
4. Again on the IBM Publications Center, search for and download SC27-8400, which is a zip file of the z/OS V2R1 information center plug-ins.
  - **Note:** If you also want the V2R1 PDFs, download the collection as discussed previously.
5. Unzip the contents of the zip file to a temporary folder.
6. Open the V1R13 information center plugins directory, which is typically at C:\Program Files (x86)\IBM\zOS V1R13 Information Center\eclipse\plugins\.
7. Delete all plug-ins with “v1r13” in the directory title and replace them with the V2R1 plug-ins.
8. Rename icons to reflect the V2R1 content.
9. Using the Windows start menu, launch the V2R1 information center. In the command prompt window that opens, note the port number.
10. In a browser, go to `http://localhost:nnnn`, where *nnnn* is the noted port number.



## z/OS Internet Library

If you are still using z/OS V1R13, you can still search using IBM Library Server

IBM BookManager for V1R13: [www.ibm.com/systems/z/os/zos/library/bkserv/v1r13books.html](http://www.ibm.com/systems/z/os/zos/library/bkserv/v1r13books.html)

**Search Results for a Shelf**

Search results for shelf: *all13be9 "z/OS V1R13 Base"*

2 documents have matches for: *CSV009I*

- iea2m4c1 [z/OS V1R13.0 MVS System Messages, Vol 4 \(CBD-DMO\)](#)
- iea2h7c2 [z/OS V1R13.0 MVS System Codes](#)

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**z/OS V1R13.0 MVS System Messages, Vol 4 (CBD-DMO)**

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17.11 **CSV009I**

**CSV009I** REQUESTED MODULE *mod* NOT ACCESSED, IS LOADABLE ONLY.

**Explanation:** A LINK, XCTL, or ATTACH macro attempted to access module *mod*.

In the message text:

*mod*  
The name of the requested module.

**System Action:** The task ends, unless ERRET is specified.

**Application Programmer Response:** Rewrite the program so that it loads, but

**System Programmer Response:** If the error recurs and the program is not in e for the problem. If no fix exists, contact the IBM Support Center. Provide the s

**Source:** Contents supervision (CSV)



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# Appendix

# Additional resources: Essential z/OS-related bookmarks

Resource	Description	URL
z/Favorites	List of bookmarks for the mainframe	<a href="http://www.ibm.com/systems/z/os/zos/library/zfavorites/">www.ibm.com/systems/z/os/zos/library/zfavorites/</a>
IBM Publications Center	Download and view softcopy files and collections	<a href="http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss">www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss</a>
IBM Knowledge Center	One stop shopping for all IBM product documentation	<a href="http://www.ibm.com/support/knowledgecenter/">www.ibm.com/support/knowledgecenter/</a>
IBM Knowledge Center Mobile	Mobile version of KC	<a href="http://www.ibm.com/support/knowledgecenter/mobile/">www.ibm.com/support/knowledgecenter/mobile/</a>
z/OS in IBM Knowledge Center	Entry point for all releases of z/OS in IBM Knowledge Center	<a href="http://www.ibm.com/support/knowledgecenter/#!/SSLTBW/welcome">www.ibm.com/support/knowledgecenter/#!/SSLTBW/welcome</a>
Download z/OS V2R1 PDFs	List of all available PDFs by z/OS element	<a href="http://www.ibm.com/systems/z/os/zos/library/bkserv/v2r1pdf/">www.ibm.com/systems/z/os/zos/library/bkserv/v2r1pdf/</a>
z/OS Hot Topics Newsletters	Learn about key z/OS topics and features	<a href="http://www.ibm.com/systems/z/os/zos/library/hot-topics/hot-topics.html">www.ibm.com/systems/z/os/zos/library/hot-topics/hot-topics.html</a>
IBM z Systems Redbooks	List of all available Redbooks for z Systems	<a href="http://www.redbooks.ibm.com/portals/systemz">www.redbooks.ibm.com/portals/systemz</a>
IBM Softcopy Librarian	Download an entire collect kit of PDFs, and keep them current	<a href="http://www.ibm.com/support/docview.wss?uid=swg24000640">www.ibm.com/support/docview.wss?uid=swg24000640</a>

# Additional resources: Videos

- Live Stream of Mainframe50: [www.livestream.com/ibmsystemz](http://www.livestream.com/ibmsystemz)
- IBM Mainframe50 Landing Page: [ibm.com/mainframe50](http://ibm.com/mainframe50)
- Mainframe50 Tumblr: [mainframe50.tumblr.com/](http://mainframe50.tumblr.com/)
- The IBM Mainframe Weekly Paper.li: [paper.li/IBM\\_System\\_z/1386866312](http://paper.li/IBM_System_z/1386866312)
- Engines of Progress: (Launching April 7) [www.ibm.com/mainframe/enginesofprogress](http://www.ibm.com/mainframe/enginesofprogress)
- Master the Mainframe: [www.ibm.com/systems/z/education/academic/masterthemainframe](http://www.ibm.com/systems/z/education/academic/masterthemainframe)
- YouTube IBM z Systems: [www.youtube.com/user/IBMSystemz](http://www.youtube.com/user/IBMSystemz)
- YouTube Destination z: [www.youtube.com/user/destinationz1](http://www.youtube.com/user/destinationz1)

# Additional resources: Blogs, listservs, and publications

- IBM Mainframe Insights: [www.ibm.com/connections/blogs/systemz/?lang=en\\_us](http://www.ibm.com/connections/blogs/systemz/?lang=en_us)
- Millennial Mainframer: [www.millennialmainframer.com](http://www.millennialmainframer.com)
- #MainframeDebate blog: [mainframedebate.blogspot.co.uk](http://mainframedebate.blogspot.co.uk)
- SHARE blog: [www.share.org/p/bl/et/](http://www.share.org/p/bl/et/)
- IBM Destination z: [www.destinationz.org/Community.aspx](http://www.destinationz.org/Community.aspx)
- Publications such as *Enterprise Executive*, *Enterprise Tech Journal*, *IBM Systems Magazine*, and *CMG Measure IT* are all great resources that typically are little to no cost for subscriptions. Most of these publications also have websites with up-to-date industry news.
- IBM MAIN is a news group (listserv). For best results, subscribe to the daily digest.



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# z/OS Book Identifiers



# z/OS book identifiers by element

Element	Book Title	Book Identifier
BDT	z/OS BDT Installation	bdta400
BDT	z/OS BDT File-to-File Transaction Guide	bdta500
BDT	z/OS BDT Commands	bdta600
BDT	z/OS BDT Messages and Codes	bdta700
BDT	z/OS BDT Diagnosis Reference	bdta800
BookManager	Library Server: Getting Started	bkma900
BookManager	IBM BookManager READ/MVS: Installation Planning and Customization	bkma400
BookManager	IBM BookManager READ/MVS: Displaying Online Books	bkma300
BookManager	IBM BookManager READ/MVS: Getting Started	bkma200
BookManager	IBM BookManager READ/MVS and BUILD/MVS: General Information	bkma100
BookManager	Installing, Managing, Using Online Library	ab0in02
BookManager	IBM Softcopy Reader User's Guide V3.8.0	hlcrug2
BookManager	IBM Softcopy Librarian V5: UG	ebrscl1
Encryption Facility for z/OS	IBM Encryption Facility for z/OS: Planning and Customizing	csde100
Encryption Facility for z/OS	IBM Encryption Facility for z/OS: Using Encryption Facility for OpenPGP	csdd100
Encryption Facility for z/OS	IBM Encryption Facility for z/OS: User's Guide	csda100
EREP	EREP V3R5 Reference	ifc2000
EREP	EREP V3R5 User's Guide	ifc1000
HLASM	HLASM V1R6 Toolkit Feature Installation Guide	asmk400
HLASM	HLASM V1R6 Toolkit Feature Interactive Debug Facility User's Guide	asmk300
HLASM	HLASM V1R6 Toolkit Feature User's Guide	asmk200
HLASM	HLASM V1R6 Toolkit Feature Debug Reference Summary	asmk100
HLASM	HLASM V1R6 Installation and Customization Guide	asma500
HLASM	HLASM V1R6 Language Reference	asma400
HLASM	HLASM V1R6 General Information	asma200
HLASM	HLASM V1R6 Programmer's Guide	asma100
IBM HTTP Server	z/OS V2R2 HTTP Server User's Guide	dprc100
IBM HTTP Server	z/OS V1R6.0 HTTP Server Planning, Installing, and Using	dgwa400
IBM Ported Tools for z/OS	IBM Ported Tools for z/OS: OpenSSH User's Guide	fotz100
IBM Ported Tools for z/OS: Supplementary Toolkit for z/OS Feature	IBM Ported Tools for z/OS: Supplementary Toolkit for z/OS Feature User's Guide and Reference	hpuz200



# z/OS book identifiers by element continued

Element	Book Title	Book Identifier
IBM Tivoli Directory Server for z/OS	z/OS V2R2 IBM Tivoli Directory Server Client Programming for z/OS	Glp100
IBM Tivoli Directory Server for z/OS	z/OS V2R2 IBM Tivoli Directory Server Administration and Use for z/OS	Glp200
IBM Tivoli Directory Server for z/OS	z/OS V2R1 IBM Tivoli Directory Server Plug-in Reference for z/OS	Glp300
IBM Tivoli Directory Server for z/OS	z/OS V2R2 IBM Tivoli Directory Server Messages and Codes for z/OS	glpa400
IBM Tivoli System Automation for z/OS	IBM Tivoli System Automation for z/OS V3R4.0 Monitoring Agent Configuration and User's Guide	ingt100
IBM Tivoli System Automation for z/OS	IBM Tivoli System Automation for z/OS V3R4.0 End-to-End Automation Adapter	inge100
IBM Tivoli System Automation for z/OS	IBM Tivoli System Automation for z/OS V3R4.0 TWS Automation Programmer's Reference and Operator's Guide	evjr100
IBM Tivoli System Automation for z/OS	IBM Tivoli System Automation for z/OS V3R4.0 Product Automation Programmer's Reference and Operator's Guide	ever100
IBM Tivoli System Automation for z/OS	IBM Tivoli System Automation for z/OS V3R4.0 Programmer's Reference	ingq100
IBM Tivoli System Automation for z/OS	IBM Tivoli System Automation for z/OS V3R4.0 Operator's Commands	ingx100
IBM Tivoli System Automation for z/OS	IBM Tivoli System Automation for z/OS V3R4.0 Messages and Codes	ingm100
IBM Tivoli System Automation for z/OS	IBM Tivoli System Automation for OS V3R4.0 User's Guide	ingu100
IBM Tivoli System Automation for z/OS	IBM Tivoli System Automation for z/OS V3R4.0 Defining Automation Policy	ingc100
IBM Tivoli System Automation for z/OS	IBM Tivoli System Automation for z/OS V3R4.0 Planning and Installation	ingp100
IBM Tivoli System Automation for z/OS	IBM Tivoli System Automation for z/OS V3R4.0 Customizing and Programming	ingo100
IBM z/OS Management Facility	IBM z/OSMF V2R2 Configuration Guide	izua300
IBM z/OS Management Facility	IBM z/OSMF V2R2 Programming Guide	izua700
IBM z/OS Management Facility	IBM z/OSMF Online Help	zosmf.onlinehelp
IBM z/OS Management Facility	z/OSMF GPM Messages: GPM0500-GPM1008	gpmmessages
IBM z/OS Management Facility	z/OSMF Configuration Assistant task	tcp.ipsec.ipsec
IBM z/OS Management Facility	z/OSMF Capacity Provisioning task	zosmfcapacityprov
IBM z/OS Management Facility	z/OSMF Capacity Provisioning Messages: IZUCP0001-IZUCP9999	zosmfcapacityprov.messages
IBM z/OS Management Facility	z/OSMF Administration category	zosmfcore.administration
IBM z/OS Management Facility	z/OSMF Application Linking Manager task: Creating context-sensitive launch points between applications	zosmfcore.applinks
IBM z/OS Management Facility	z/OS Classic Interfaces category	zosmfcore.classicinterfaces
IBM z/OS Management Facility	z/OSMF Commands and Logs category	zosmfcore.commandlog
IBM z/OS Management Facility	z/OSMF Configuration category	zosmfcore.configuration
IBM z/OS Management Facility	Getting started with z/OSMF	zosmfcore.general
IBM z/OS Management Facility	z/OSMF Import Manager task: Importing installation-specific function into z/OSMF	zosmfcore.importmgr
IBM z/OS Management Facility	z/OSMF Jobs and Resources category	zosmfcore.jobresources





# z/OS book identifiers by element continued

Element	Book Title	Book Identifier
IBM z/OS Management Facility	z/OSMF Links task: Linking to frequently used web resources	zosmfcore.links
IBM z/OS Management Facility	z/OSMF Links category	zosmfcore.linksuser
IBM z/OS Management Facility	z/OSMF Core Messages: IZUG0400-IZUG9999	zosmfcore.messages
IBM z/OS Management Facility	z/OSMF Systems and FTP Servers tasks: Enabling data and file transfer between systems	zosmfcore.multisysplex
IBM z/OS Management Facility	z/OSMF Notifications task	zosmfcore.notifications
IBM z/OS Management Facility	z/OSMF Performance category	zosmfcore.performance
IBM z/OS Management Facility	z/OSMF Problem Determination category	zosmfcore.problemdetermination
IBM z/OS Management Facility	z/OSMF Settings category	zosmfcore.settings
IBM z/OS Management Facility	z/OSMF Software category	zosmfcore.software
IBM z/OS Management Facility	z/OSMF Tools and Techniques for Troubleshooting	zosmfcore.troubleshooting
IBM z/OS Management Facility	z/OSMF Welcome task	zosmfcore.welcome
IBM z/OS Management Facility	z/OSMF Software Management task	zosmfdeployment
IBM z/OS Management Facility	z/OSMF Software Management Messages: IZUD0001-IZUD9999	zosmfdeployment.messages
IBM z/OS Management Facility	z/OSMF Incident Log task	zosmfincidentlog
IBM z/OS Management Facility	z/OSMF Incident Log Messages: IZUP0001-IZUP9999	zosmfincidentlog.messages
IBM z/OS Management Facility	z/OSMF ISPF task	zosmfispf
IBM z/OS Management Facility	z/OSMF ISPF Messages: IZUIS0001-IZUIS9999	zosmfispf.messages
IBM z/OS Management Facility	z/OSMF Messages category	zosmfmessages
IBM z/OS Management Facility	z/OSMF Resource Monitoring task	zosmfmondesktops
IBM z/OS Management Facility	z/OSMF Resource Monitoring Messages: IZUR0001-IZUR9999	zosmfresourcemon.messages
IBM z/OS Management Facility	z/OSMF System Status task	zosmfsysplexstatus
IBM z/OS Management Facility	z/OSMF Workflows task	zosmfworkflows
IBM z/OS Management Facility	z/OSMF Workflows Messages: IZUWF0001-IZUWF9999	zosmfworkflows.messages
IBM z/OS Management Facility	z/OSMF Workload Management task	zosmfworkloadmgmt
IBM z/OS Management Facility	z/OSMF Workload Management Messages: IZUWF0001-IZUWF9999	zosmfworkloadmgmt.messages
IBM z/OS Management Facility	z/OSMF SDSF task	zosmfdsdf.jobresources
IBM z/OS Management Facility	z/OSMF SDSF Settings	zosmfdsdf.settings
IBM z/OS Management Facility	z/OSMF SDSF Messages: ISF3001-ISF3999	zosmfdsdf.jobresources.messages
ICKDSF	ICKDSF R17 User's Guide	ickug00 65
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	IBM Print Transform from AFP to PostScript for Infoprint Server for z/OS LPS, V1.1	aoklc00



# z/OS book identifiers by element continued

Element	Book Title	Book Identifier
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	IBM Print Transform from AFP to PDF for Infoprint Server for z/OS LPS, V1.1	aoklb00
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	IBM Print Transform from AFP to PCL for Infoprint Server for z/OS LPS, V1.1	aokla00
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	IBM Print Transforms from AFP for Infoprint Server for z/OS, V1.1	aokfa00
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	IBM Infoprint Transforms to AFP for z/OS, V2.3	aopta00
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	IBM Infoprint XT V3R1 for z/OS: LPS	aiol000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	IBM Infoprint XT V3R1 for z/OS	aioc000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	z/OS V2R2 Infoprint Server User's Guide	aopu000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	z/OS V2R2 Infoprint Server Operation and Administration	aopo000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	z/OS V2R2 Infoprint Server Messages and Diagnosis	aopm000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	z/OS V2R2 Infoprint Server Introduction	aopa000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	z/OS V2R2 Infoprint Server Customization	aops000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	Page Printer Formatting Aid: User's Guide	ib6p000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	PSF for z/OS: ACIF User's Guide	apku000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	DCF: SCRIPT/VS Text Programmer's Guide	dsm0700
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	IBM: BookMaster User's Guide	edfuma0
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	DCF: GML Starter Set Reference	dsm0900
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	DCF: SCRIPT/VS User's Guide	dsm0800
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	DCF: SCRIPT/VS Messages	dsm0a00
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	PSF V4R4 for z/OS: LPS	apsl000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	PSF V4R5 for z/OS: AFP Download Plus	apsp000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	PSF V4R5 for z/OS: Download for z/OS	apsw000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	PSF V4R4 for z/OS: Security Guide	apsb000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	PSF V4R5 for z/OS: Diagnosis	apsd000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	PSF V4R5 for z/OS: User's Guide	apsu000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	PSF V4R5 for z/OS: Customization	apss000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	PSF V4R5 for z/OS: Introduction	apsa000
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	PSF V4R5 for z/OS: Messages and Codes	apsm800
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	IBM Infoprint Transforms to AFP for z/OS LPS, V2.3	aoptl00
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	IBM Infoprint Coaxial Printer Support for z/OS LPS, V2.1	aoplc00
Infoprint Server, Infoprint Transforms PSF for z/OS, DCF, fonts	z/OS V2R2 Infoprint Server Printer Inventory for PSF	aoppi00



# z/OS book identifiers by element continued

Element	Book Title	Book Identifier
ISPF	z/OS V2R2 ISPF User's Guide Vol II	f54u200
ISPF	z/OS V2R2 ISPF Services Guide	f54sg00
ISPF	z/OS V2R2 ISPF User's Guide Vol I	f54ug00
ISPF	z/OS V2R2 ISPF SCLM Guide and Reference	f54pd00
ISPF	z/OS V2R2 ISPF Reference Summary	f54rs00
ISPF	z/OS V2R2 ISPF Planning and Customizing	f54pc00
ISPF	z/OS V2R2 ISPF Messages and Codes	f54mc00
ISPF	z/OS V2R2 ISPF Edit and Edit Macros	f54em00
ISPF	z/OS V2R2 ISPF DTL Guide	f54dt00
ISPF	z/OS V2R2 ISPF Dialog Developer's Guide and Reference	f54dg00
Knowledge Center for z/OS	z/OS V2R2 IBM Knowledge Center for z/OS Configuration and User's Guide	hkcz100
Open Systems Adapter (OSA)	z Systems OSA-Express Guide	ioaz100
Open Systems Adapter (OSA)	OSA-ICC User's Guide	ioam100
Open Systems Adapter (OSA)	OSA-ICC 3215 Support	ioan100
Open Systems Adapter (OSA)	OSA-Express3 ICC Dual-Port User's Guide	ioaq100
Open Systems Adapter (OSA)	OSA/SF on HMC	ioas100
REXX Alternate Library	IBM Compiler and Library for REXX on System z: User's Guide and Reference	rexa100
REXX Alternate Library	IBM Compiler and Library for REXX on System z: Diagnosis Guide	rexb100
Runtime Library Extensions	z/OS V2R2 Common Debug Architecture User's Guide	cbcd01
Runtime Library Extensions	z/OS V2R2 Common Debug Architecture Library Reference	cbcdl01
Runtime Library Extensions	DWARF/ELF Extensions Library Reference	cbccd01
SDSF	z/OS V2R2 SDSF Operation and Customization	isfa500
SMP/E Version 3	SMP/E User's Guide	gim3000
SMP/E Version 3	SMP/E Reference	gim2000
SMP/E Version 3	SMP/E Messages, Codes, and Diagnosis	gim0000
SMP/E Version 3	SMP/E Commands	gim1000
z/OS Common Information Model	z/OS V2R2 Common Information Model User's Guide	cfzu100
z/OS Communications Server	z/OS V2R1 Comm Svr: ACF/TAP Trace	istacf0
z/OS Communications Server	z/OS V2R2.0 Communications Server: IPv6 Network and Appl Design Guide	hale001
z/OS Communications Server	z/OS V2R2.0 Communications Server: IP Diagnosis Guide	hald001

# z/OS book identifiers by element continued

Element	Book Title	Book Identifier
z/OS Communications Server	z/OS V2R2.0 Communications Server: IP Messages Volume 1 (EZA)	haln001
z/OS Communications Server	z/OS V2R2.0 Communications Server: IP Messages Volume 2 (EZB, EZD)	halw001
z/OS Communications Server	z/OS V2R1.0 Communications Server: IP Messages Volume 3 (EZY)	halb001
z/OS Communications Server	z/OS V2R2.0 Communications Server: IP Messages Volume 4 (EZZ, SNM)	halb101
z/OS Communications Server	z/OS V2R2.0 Communications Server: New Function Summary	halg001
z/OS Communications Server	z/OS V2R2.0 Communications Server: IP Configuration Guide	halz002
z/OS Communications Server	z/OS V2R2.0 Communications Server: IP Configuration Reference	halz001
z/OS Communications Server	z/OS V2R2.0 Communications Server: IP Programmer's Guide and Reference	halx001
z/OS Communications Server	z/OS V2R2.0 Communications Server: IP User's Guide and Commands	halu001
z/OS Communications Server	z/OS V2R2.0 Communications Server: IP System Administrator's Commands	halu101
z/OS Communications Server	z/OS V2R2.0 Communications Server: IP Sockets Application Programming Interface Guide and Reference	hala001
z/OS Communications Server	z/OS V2R2.0 Communications Server: IP CICS Sockets Guide	halc001
z/OS Communications Server	z/OS V2R1.0 Communications Server: IP IMS Sockets Guide	hali001
z/OS Communications Server	z/OS V2R1.0 Communications Server: IP Network Print Facility	halp001
z/OS Communications Server	z/OS V2R2.0 Communications Server: SNA Network Implementation Guide	istimp0
z/OS Communications Server	z/OS V2R2.0 Communications Server: SNA Resource Definition Reference	istrdr0
z/OS Communications Server	z/OS V2R1.0 Communications Server: SNA Resource Definition Samples	istsmp0
z/OS Communications Server	z/OS V2R2.0 Communications Server: SNA Operation	istopr0
z/OS Communications Server	z/OS V2R2.0 Communications Server: Quick Reference	istopq0
z/OS Communications Server	z/OS V2R1.0 Communications Server: SNA Customization	istcst0
z/OS Communications Server	z/OS V2R2.0 Communications Server: SNA Diagnosis Vol 1, Techniques and Procedures	istdgn1
z/OS Communications Server	z/OS V2R2.0 Communications Server: SNA Diagnosis Vol 2, FFST Dumps and the VIT	istdgn2
z/OS Communications Server	z/OS V2R2.0 Communications Server: SNA Messages	istmnc0
z/OS Communications Server	z/OS V2R2.0 Communications Server: IP and SNA Codes	cs3cod0
z/OS Communications Server	z/OS V2R2.0 Communications Server: SNA Programmer's LU 6.2 Guide	istp620
z/OS Communications Server	z/OS V2R1.0 Communications Server: SNA Programmer's LU 6.2 Reference	istr620
z/OS Communications Server	z/OS V2R2.0 Communications Server: CSM Guide	istcsm0
z/OS Communications Server	z/OS V2R1.0 Communications Server: SNA Programming	istprg0
z/OS Communications Server	z/OS V2R1.0 Communications Server: CMIP Services and Topology Agent Guide	istagt0
z/OS Communications Server	z/OS V2R1 Communications Server Glossary	halq001



# z/OS book identifiers by element continued

Element	Book Title	Book Identifier
z/OS Cryptographic Services	z/OS ICSF Writing PKCS #11 Applications	csfa00
z/OS Cryptographic Services	z/OS ICSF System Programmer's Guide	csfb200
z/OS Cryptographic Services	z/OS ICSF Administrator's Guide	csfb300
z/OS Cryptographic Services	z/OS ICSF Application Programmer's Guide	csfb400
z/OS Cryptographic Services	z/OS ICSF Overview	csfb500
z/OS Cryptographic Services	z/OS ICSF Messages	csfb700
z/OS Cryptographic Services	z/OS Cryptographic Services ICSF TKE Workstation User's Guide	csfb600
z/OS Cryptographic Services	z/OS V2R2 Cryptographic Services PKI Services Guide and Reference	ikya100
z/OS Cryptographic Services	z/OS V2R2 System SSL Programming	gska100
z/OS DFSMS	DFSMS Optimizer Messages and Codes	idaop01
z/OS DFSMS	DFSMS Optimizer User's Guide and Reference	idaop00
z/OS DFSMS	Character Data Representation Architecture Overview	cdrao00
z/OS DFSMS	Character Data Representation Architecture Reference and Registry	cdraa00
z/OS DFSMS	z/OS V2R1 DFSMSStvs Administration Guide	idat300
z/OS DFSMS	z/OS V2R2 DFSMSStvs Planning and Operating Guide	idat100
z/OS DFSMS	z/OS V2R2 DFSMS Advanced Copy Services	antg000
z/OS DFSMS	z/OS V2R2 DFSMSShsm Diagnosis	arck000
z/OS DFSMS	z/OS V2R2 DFSMSdss Storage Administration	adru000
z/OS DFSMS	z/OS V2R2 DFSMSShsm Implementation and Customization Guide	arci000
z/OS DFSMS	z/OS V2R2 DFSMSShsm Storage Administration	arcf000
z/OS DFSMS	z/OS V2R2 DFSMSrmm Reporting	idarr00
z/OS DFSMS	z/OS V2R2 DFSMSShsm Managing Your Own Data	arcd000
z/OS DFSMS	z/OS V2R2 DFSMSrmm Diagnosis Guide	idard00
z/OS DFSMS	z/OS V2R2 DFSMSrmm Application Programming Interface	idara00
z/OS DFSMS	z/OS V2R2 DFSMSrmm Implementation and Customization Guide	idarc00
z/OS DFSMS	z/OS V2R2 DFSMSrmm Managing and Using Removable Media	idarm00
z/OS DFSMS	z/OS V2R2 DFSMS OAM Planning, Installation, and Storage Administration Guide for Tape Libraries	idao300
z/OS DFSMS	z/OS V2R2 DFSMS OAM Planning, Installation, and Storage Administration Guide for Object Support	idao200
z/OS DFSMS	z/OS V2R2 DFSMS OAM Application Programmer's Reference	idao100 69
z/OS DFSMS	z/OS DFSMS Software Support for IBM System Storage TS1140, TS1130, and TS1120 Tape Drives (3592)	idaj100



# z/OS book identifiers by element continued

Element	Book Title	Book Identifier
z/OS DFSMS	z/OS V2R2 DFSMS Implementing System-Managed Storage	idai600
z/OS DFSMS	z/OS V2R1 DFSMS Using the Volume Mount Analyzer	idav100
z/OS DFSMS	z/OS V2R2 DFSMS Using Magnetic Tapes	idam300
z/OS DFSMS	z/OS V2R2 DFSMSsdfp Diagnosis	idar100
z/OS DFSMS	z/OS V2R1 DFSMS Distributed FileManager Guide and Reference	idam500
z/OS DFSMS	z/OS V2R2 DFSMSsdfp Utilities	idau100
z/OS DFSMS	z/OS V2R2 DFSMS Using ISMF	idai500
z/OS DFSMS	z/OS V2R2 DFSMSsdfp Storage Administration	idas200
z/OS DFSMS	z/OS V2R2 DFSMS Access Method Services Commands	idai200
z/OS DFSMS	z/OS V2R2 DFSMSsdfp Advanced Services	idas300
z/OS DFSMS	z/OS V2R2 DFSMS Macro Instructions for Data Sets	idad500
z/OS DFSMS	z/OS V2R2 DFSMS Using Data Sets	idad400
z/OS DFSMS	z/OS V2R1 DFSMSsdfp Checkpoint/Restart	idac400
z/OS DFSMS	z/OS V2R2 DFSMS Managing Catalogs	idac100
z/OS DFSMS	z/OS V2R2 DFSMS Installation Exits	idac700
z/OS DFSMS	z/OS V2R1 DFSMS Introduction	idag200
z/OS DFSMS	z/OS V2R2 DFSMS Using the New Functions	idak100
z/OS DFSMS	z/OS DFSMSshm Data Areas	idada00
z/OS DFSORT	z/OS V2R2 DFSORT Tuning Guide	icet100
z/OS DFSORT	z/OS V2R2 DFSORT Messages, Codes and Diagnosis Guide	icem100
z/OS DFSORT	z/OS V2R2 DFSORT Installation and Customization	icei100
z/OS DFSORT	z/OS V2R2 DFSORT Application Programming Guide	icea100
z/OS DFSORT	z/OS V2R2 DFSORT: Getting Started	iceg200
z/OS Distributed File Service	z/OS V2R2 Distributed File Service zFS Administration	ioea700
z/OS Distributed File Service	z/OS V2R2 Distributed File Service SMB Administration	ioea600
z/OS Distributed File Service	z/OS V2R2 Distributed File Service Messages and Codes	ioea500
z/OS HCD	z/OS V2R2 HCD Planning	ieag800
z/OS HCD	z/OS V2R2 and z/VM V6R2.0 HCD Messages	cbdm100
z/OS HCD	z/OS V2R2 HCD User's Guide	cbdu100
z/OS HCM	z/OS V2R2 and z/VM V6R2.0 HCM User's Guide	eequ100



# z/OS book identifiers by element continued

Element	Book Title	Book Identifier
z/OS Integrated Security Services	z/OS V2R1 Integrated Security Services EIM Guide and Reference	eima100
z/OS Integrated Security Services	z/OS V2R2 Integrated Security Services Network Authentication Service Programming	euvfb00
z/OS Integrated Security Services	z/OS V2R2 Integrated Security Services Network Authentication Service Administration	euvfa00
z/OS Integrated Security Services	z/OS OCSF Module Developer's Guide and Reference	cdsa200
z/OS Integrated Security Services	z/OS OCSF Application Programming	cdsa100
z/OS Integrated Security Services	z/OS Integrated Security Services Open Cryptographic Enhanced Plug-ins Application Programming	ceqa100
z/OS JES2	z/OS V2R2 JES2 Commands	hasa200
z/OS JES2	z/OS V2R2 JES2 Messages	hasa100
z/OS JES2	z/OS V2R2 JES Application Programming	hasc300
z/OS JES2	V2R2 Network Job Entry (NJE) Formats and Protocols	hasa600
z/OS JES2	z/OS V2R2 JES2 Macros	hasc200
z/OS JES2	z/OS V2R1 JES2 Introduction	hasa800
z/OS JES2	z/OS V2R2 JES2 Installation Exits	hasc100
z/OS JES2	z/OS V2R1 JES2 Diagnosis	hasa700
z/OS JES2	z/OS V2R2 JES2 Initialization and Tuning Guide	hasa300
z/OS JES2	z/OS V2R2 JES2 Initialization and Tuning Reference	hasa400
z/OS JES2	z/OS JES2 Data Areas Volume 1	a3208450
z/OS JES2	z/OS JES2 Data Areas Volume 2	a320846
z/OS JES2	z/OS JES2 Data Areas Volume 3	a320847
z/OS JES2	z/OS JES2 Data Areas Volume 4	a320848
z/OS JES2	z/OS JES2 Data Areas Volume 5	a320849
z/OS JES3	z/OS V2R2 JES3 Diagnosis	iata300
z/OS JES3	z/OS V2R2 JES3 Initialization and Tuning Guide	iata600
z/OS JES3	z/OS V2R1 JES3 Introduction	iata700
z/OS JES3	z/OS V2R2 JES3 Initialization and Tuning Reference	iata800
z/OS JES3	z/OS V2R2 JES3 Customization	iatb100
z/OS JES3	z/OS V2R2 JES3 Messages	iatb200
z/OS JES3	z/OS V2R2 JES3 Commands	iatb300
z/OS JES3	z/OS V2R2 JES3 Diagnosis Reference	iatb400
z/OS JES3	z/OS JES3 Data Areas Volume 1	a320850



# z/OS book identifiers by element continued

Element	Book Title	Book Identifier
z/OS JES3	z/OS JES3 Data Areas Volume 2	a320851
z/OS JES3	z/OS JES3 Data Areas Volume 3	a320852
z/OS Language Environment	z/OS V2R2 Language Environment Vendor Interfaces	ceev100
z/OS Language Environment	z/OS V2R1 Language Environment Programming Guide for 64-bit Virtual Addressing Mode	ceeam00
z/OS Language Environment	z/OS V2R2 Language Environment Runtime Messages	ceea900
z/OS Language Environment	z/OS V2R1 Language Environment Concepts Guide	ceea800
z/OS Language Environment	z/OS V2R1 Language Environment Runtime Application Migration Guide	ceea600
z/OS Language Environment	z/OS V2R2 Language Environment Customization	ceea500
z/OS Language Environment	z/OS V2R1.0 Language Environment Writing ILC Applications	ceea400
z/OS Language Environment	z/OS V2R2 Language Environment Programming Guide	ceea200
z/OS Language Environment	z/OS V2R2 Language Environment Programming Reference	ceea300
z/OS Language Environment	z/OS V2R2 Language Environment Debugging Guide	ceea100
z/OS Metal C Runtime Library	z/OS V2R2 Metal C Programming Guide and Reference	ccrug00
z/OS MVS	z/OS V2R2 Data Areas Volume 6 (SJRUP -XTLST)	a3208580
z/OS MVS	z/OS V2R2 Data Areas Volume 4 (IRARMCTZ -LCT)	a3208560
z/OS MVS	z/OS V2R2 Data Areas Volume 5 (LDA -SJRSP)	a3208570
z/OS MVS	z/OS V2R2 Data Areas Volume 3 (IEFALCXT -IRARENF1)	a3208550
z/OS MVS	z/OS V2R2 Data Areas Volume 2 (DDRCOM -IEFALCXT)	a3208540
z/OS MVS	z/OS V2R2 Data Areas Volume 1 (ABEP - DCQ)	a3208530
z/OS MVS	z/OS V2R2 MVS Programming: Workload Management Services	ieaw200
z/OS MVS	z/OS V2R2 MVS Planning: Workload Management	ieaw100
z/OS MVS	z/OS V2R2 MVS Diagnosis: Reference	ieav200
z/OS MVS	z/OS V2R2 MVS Diagnosis: Tools and Service Aids	ieav100
z/OS MVS	z/OS V2R2 MVS Capacity Provisioning User's Guide	ieau100
z/OS MVS	z/OS V2R2 MVS Product Management	iear100
z/OS MVS	z/OS V2R2 MVS Programming: Resource Recovery	iean100
z/OS MVS	z/OS V2R2 MVS Programming: Product Registration	ieaq200
z/OS MVS	z/OS V2R2 MVS System Messages, Vol 9 (IGF-IWM)	ieam900
z/OS MVS	z/OS V2R2 MVS System Messages, Vol 10 (IXC-IZP)	ieama00
z/OS MVS	z/OS V2R2 MVS System Messages, Vol 8 (IEF-IGD)	ieam800





# z/OS book identifiers by element continued

Element	Book Title	Book Identifier
z/OS MVS	z/OS V2R2 MVS System Messages, Vol 7 (IEB-IEE)	ieam700
z/OS MVS	z/OS V2R2 MVS System Messages, Vol 6 (GOS-IEA)	ieam600
z/OS MVS	z/OS V2R2 MVS System Messages, Vol 5 (EDG-GFS)	ieam500
z/OS MVS	z/OS V2R2 MVS System Messages, Vol 4 (CBD-DMO)	ieam400
z/OS MVS	z/OS V2R2 MVS System Messages, Vol 3 (ASB-BPX)	ieam300
z/OS MVS	z/OS V2R2 MVS System Messages, Vol 2 (ARC-ASA)	ieam200
z/OS MVS	z/OS V2R2 MVS System Messages, Vol 1 (ABA-AOM)	ieam100
z/OS MVS	z/OS V2R1 MVS Writing Servers for APPC/MVS	ieak500
z/OS MVS	z/OS V2R2 MVS JES Common Coupling Services	ieai800
z/OS MVS	z/OS V2R2 MVS Sysplex Services Reference	ieai700
z/OS MVS	z/OS V2R2 MVS System Codes	ieah700
z/OS MVS	z/OS V2R2 MVS Sysplex Services Guide	ieai600
z/OS MVS	z/OS V2R2 MVS Dump Output Messages	ieah600
z/OS MVS	z/OS V2R2 MVS Device Validation Support	ieag600
z/OS MVS	z/OS V2R2 MVS Planning: Global Resource Serialization	ieag400
z/OS MVS	z/OS V2R2 MVS Planning: Operations	ieag300
z/OS MVS	z/OS V2R2 MVS System Management Facilities (SMF)	ieag200
z/OS MVS	z/OS V2R2 MVS System Commands	ieag100
z/OS MVS	z/OS V2R2 MVS Setting Up a Sysplex	ieaf100
z/OS MVS	z/OS V2R2 MVS Using the Subsystem Interface	ieaf200
z/OS MVS	z/OS V2R2 MVS Using the Functional Subsystem Interface	ieae500
z/OS MVS	z/OS V2R2 MVS Installation Exits	ieae400
z/OS MVS	z/OS V2R2 MVS Initialization and Tuning Reference	ieae200
z/OS MVS	z/OS V2R2 MVS Initialization and Tuning Guide	ieae100
z/OS MVS	z/OS V2R1 MVS Writing Transaction Schedulers for APPC/MVS	ieac800
z/OS MVS	z/OS V2R2 MVS IPCS Customization	ieac700
z/OS MVS	z/OS V2R2 MVS IPCS User's Guide	ieac600
z/OS MVS	z/OS V2R2 MVS Planning: APPC/MVS Management	ieac400
z/OS MVS	z/OS V2R2 MVS IPCS Commands	ieac500
z/OS MVS	z/OS V2R1 MVS Writing TPs for APPC/MVS	ieac300



# z/OS book identifiers by element continued

Element	Book Title	Book Identifier
z/OS MVS	z/OS V2R2 MVS Callable Services for HLL	ieac100
z/OS MVS	z/OS V2R2 MVS JCL Reference	ieab600
z/OS MVS	z/OS V2R2 MVS JCL User's Guide	ieab500
z/OS MVS	z/OS V2R2.0 MVS Program Management: Advanced Facilities	ieab200
z/OS MVS	z/OS V2R2 MVS Program Management: User's Guide and Reference	ieab100
z/OS MVS	z/OS V2R2 MVS Authorized Assembler Services Guide	ieaa800
z/OS MVS	z/OS V2R2 MVS Assembler Services Reference IAR-XCT	ieaa900
z/OS MVS	z/OS V2R2 MVS Assembler Services Guide	ieaa600
z/OS MVS	z/OS V2R2 MVS Assembler Services Reference ABE-HSP	ieaa700
z/OS MVS	z/OS V2R2 MVS Extended Addressability Guide	ieaa500
z/OS MVS	z/OS V2R2 MVS Authorized Assembler Services Reference SET-WTO	ieaa400
z/OS MVS	z/OS V2R2 MVS Authorized Assembler Services Reference LLA-SDU	ieaa300
z/OS MVS	z/OS V2R2 MVS Authorized Assembler Services Reference EDT-IXG	ieaa200
z/OS MVS	z/OS V2R2 MVS Authorized Assembler Services Reference ALE-DYN	ieaa100
z/OS MVS	z/OS V2R2 Unicode Services User's Guide and Reference	cunu100
z/OS MVS	z/OS V2R2 XML System Services User's Guide and Reference	gxla100
z/OS MVS	z/OS V2R2 Batch Runtime Planning and User's Guide	iean500
z/OS NFS	z/OS V2R2 Network File System Guide and Reference	idan400
z/OS OpenSSH	z/OS V2R2 OpenSSH User's Guide	foto100
z/OS RMF	z/OS V2R2 RMF Programmer's Guide	erbb700
z/OS RMF	z/OS V2R2 RMF Reference Summary	erbb600
z/OS RMF	z/OS V2R2 RMF Report Analysis	erbb500
z/OS RMF	z/OS V2R2 RMF User's Guide	erbb200
z/OS RMF	z/OS V2R2 RMF Messages and Codes	erba200
z/OS Security Server RACF	z/OS V2R2.0 Security Server RACF Callable Services	ichd100
z/OS Security Server RACF	z/OS V2R2.0 Security Server RACF Data Areas	ichc400
z/OS Security Server RACF	z/OS V2R2.0 Security Server RACROUTE Macro Reference	ichc600
z/OS Security Server RACF	z/OS V2R2 Security Server RACF Diagnosis Guide	ichb200
z/OS Security Server RACF	z/OS V2R2.0 Security Server RACF Auditor's Guide	icha800
z/OS Security Server RACF	z/OS V2R2.0 Security Server RACF Security Administrator's Guide	icha700



# z/OS book identifiers by element continued

Element	Book Title	Book Identifier
z/OS Security Server RACF	z/OS V2R2.0 Security Server RACF Messages and Codes	icha600
z/OS Security Server RACF	z/OS V2R2.0 Security Server RACF Command Language Reference	icha400
z/OS Security Server RACF	z/OS V2R2 Security Server RACF Macros and Interfaces	icha300
z/OS Security Server RACF	z/OS V2R2.0 Security Server RACF System Programmer's Guide	icha200
z/OS Security Server RACF	z/OS V2R2 Security Server RACF General User's Guide	icha100
z/OS System-Level	z/OS Information Roadmap	e0zc100
z/OS System-Level	z/OS Introduction and Release Guide	e0za100
z/OS System-Level	z/OS Licensed Program Specifications	e0zf100
z/OS System-Level	z/OS Migration	e0zm100
z/OS System-Level	z/OS Planning for Installation	e0zb100
z/OS System-Level	z/OS Summary of Message and Interface Changes	e0zh300
z/OS System-Level	IBM Health Checker for z/OS User's Guide	e0zl100
z/OS System-Level	z/OS Problem Management	e0zk100
z/OS System-Level	ServerPac: Using the Installation Dialog	gima200
z/OS System-Level	z/OS V2R2 Planning for Sub-Capacity Pricing	e0zi100
z/OS System-Level	z/OS Planning for Multilevel Security and the Common Criteria	e0ze100
z/OS System-Level	z/OS Hot Topics Newsletter	e0zn100
z/OS System-Level	z/OS Collection	ida3900
z/OS System-Level	z/OS Font Collection	e0zx100
z/OS System-Level	z/OS V2R2 Program Directory	e0zp200
z/OS TSO/E	z/OS V2R1 TSO/E Administration	ikja100
z/OS TSO/E	z/OS V2R2 TSO/E CLISTs	ikjb800
z/OS TSO/E	z/OS V2R2 TSO/E Command Reference	ikjc500
z/OS TSO/E	z/OS V2R2 TSO/E Customization	ikjb400
z/OS TSO/E	z/OS V2R1 TSO/E General Information	ikjb300
z/OS TSO/E	z/OS V2R1 TSO/E Guide to the Server-Requester Programming Interface	ikjc100
z/OS TSO/E	z/OS V2R2 TSO/E Messages	ikjm100
z/OS TSO/E	z/OS V2R1 TSO/E Primer	ikjp100
z/OS TSO/E	z/OS V2R1 TSO/E Programming Guide	ikjb600
z/OS TSO/E	z/OS V2R2 TSO/E Programming Services	ikjb700

# z/OS book identifiers by element continued

Element	Book Title	Book Identifier
z/OS TSO/E	z/OS V2R2 TSO/E REXX Reference	ikja300
z/OS TSO/E	z/OS V2R1 TSO/E REXX User's Guide	ikjc300
z/OS TSO/E	z/OS V2R2 TSO/E System Diagnosis: Data Areas	ikjd200
z/OS TSO/E	z/OS V2R2 TSO/E System Programming Command Reference	ikjc400
z/OS TSO/E	z/OS V2R1 TSO/E User's Guide	ikjc200
z/OS UNIX System Services	z/OS V2R2 Using REXX and z/OS UNIX System Services	bpxb600
z/OS UNIX System Services	z/OS V2R1 UNIX System Services Programming Tools	bpxa600
z/OS UNIX System Services	z/OS V2R1 UNIX System Services User's Guide	bpxa400
z/OS UNIX System Services	z/OS V2R2 UNIX System Services Programming: Assembler Callable Services Reference	bpxb100
z/OS UNIX System Services	z/OS V2R2 UNIX System Services Planning	bpxb200
z/OS UNIX System Services	z/OS V2R2 UNIX System Services Messages and Codes	bpxa800
z/OS UNIX System Services	z/OS V2R2 UNIX System Services File System Interface Reference	bpxb500
z/OS UNIX System Services	z/OS V2R2 UNIX System Services Command Reference	bpxa500
z/OS XL C/C++	z/OS V2R2 XL C/C++ Language Reference	cbclx01
z/OS XL C/C++	z/OS V2R2 XL C/C++ Compiler and Runtime Migration Guide for the Application Programmer	cbcmg01
z/OS XL C/C++	z/OS V2R2 XL C/C++ Programming Guide	cbcp01
z/OS XL C/C++	z/OS V2R2 XL C/C++ User's Guide	cbcux01
z/OS XL C/C++	z/OS V2R2 XL C/C++ Messages	cbcdg01
z/OS XL C/C++	z/OS V2R1 C Curses	bpxbb00
z/OS XL C/C++	z/OS V2R2 XL C/C++ Runtime Library Reference	bpxbd00
z/OS XL C/C++	Standard C++ Library Reference	cbcs101



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The End

