

# z/OS Documentation:

## Navigating IBM Knowledge Center and Beyond

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# Agenda

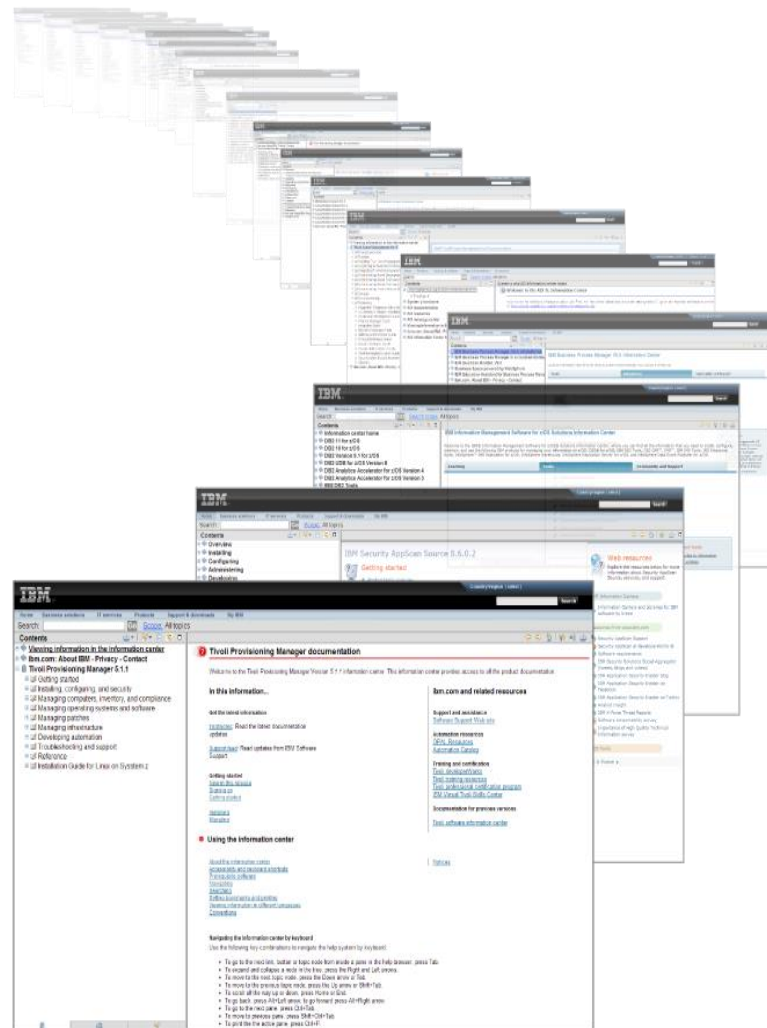
- Overview of IBM Knowledge Center
- Getting Started
- Navigating Content and the Table of Contents View
- Creating Customized Views and Documents with the My Collections View
- Searching Content and the Search Results View
- Using Multiple Tools and Methods to Enhance Search Results
- Social Features
- New and Upcoming Documentation Solutions
- Questions?
- Survey

# Overview of IBM Knowledge Center

# IBM technical publications at ibm.com: A large volume of documentation

## Information centers: Technical publications

- More than 2200 IBM products
- More than 850 individual 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

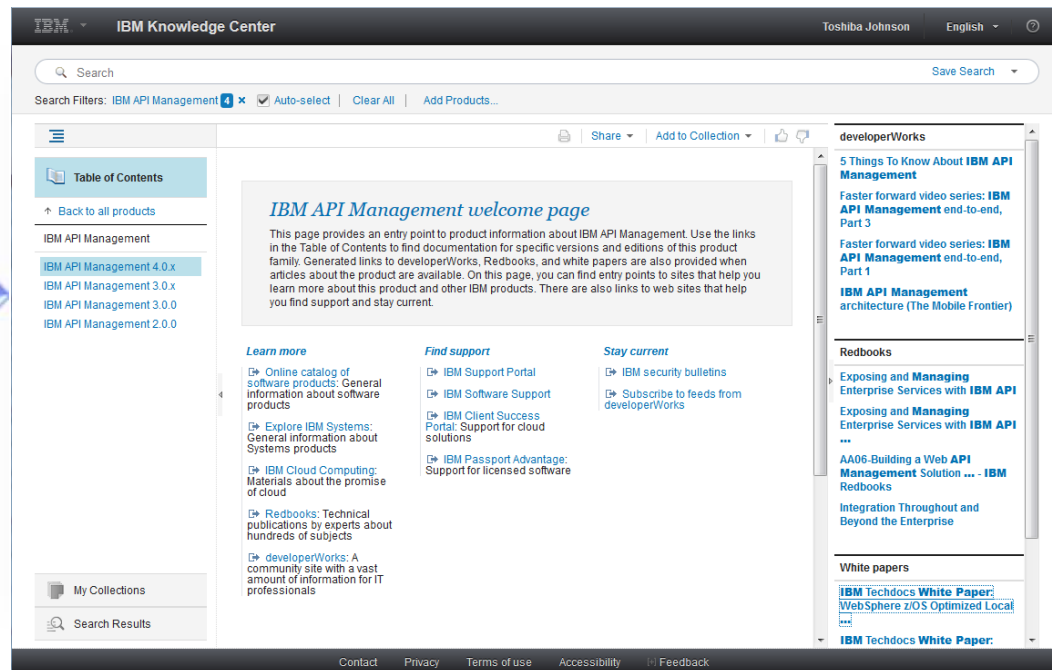
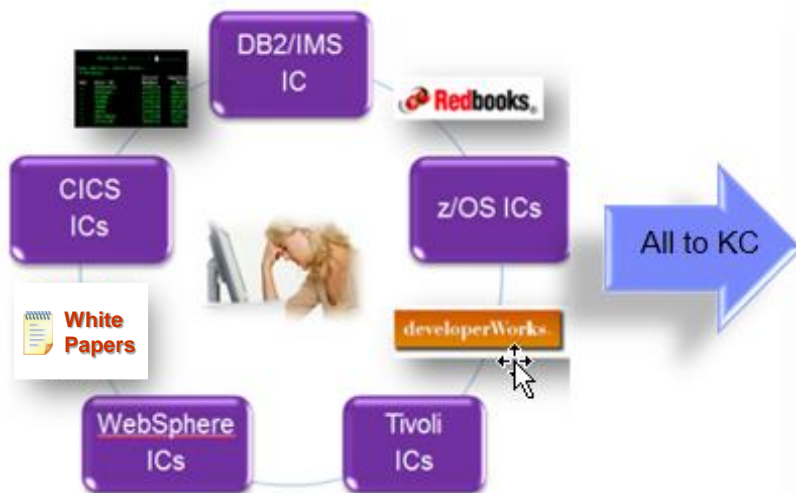


## Information centers: User experience

- Too many individual sites to work with multiple IBM products
- Inconsistent user experience from information center to 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.



# Getting Started

# Opening IBM Knowledge Center

IBM Knowledge Center: [www.ibm.com/support/knowledgecenter/](http://www.ibm.com/support/knowledgecenter/)

The screenshot shows the IBM Knowledge Center homepage. At the top, there is a dark navigation bar with the IBM logo, the text "IBM Knowledge Center", and links for "Sign In" and "English". Below this is a search bar with a magnifying glass icon and the text "Search", followed by a "Save Search" button. Under the search bar, it says "Search Filters: No products selected." with a checked "Auto-select" box and a link "Add Products...".

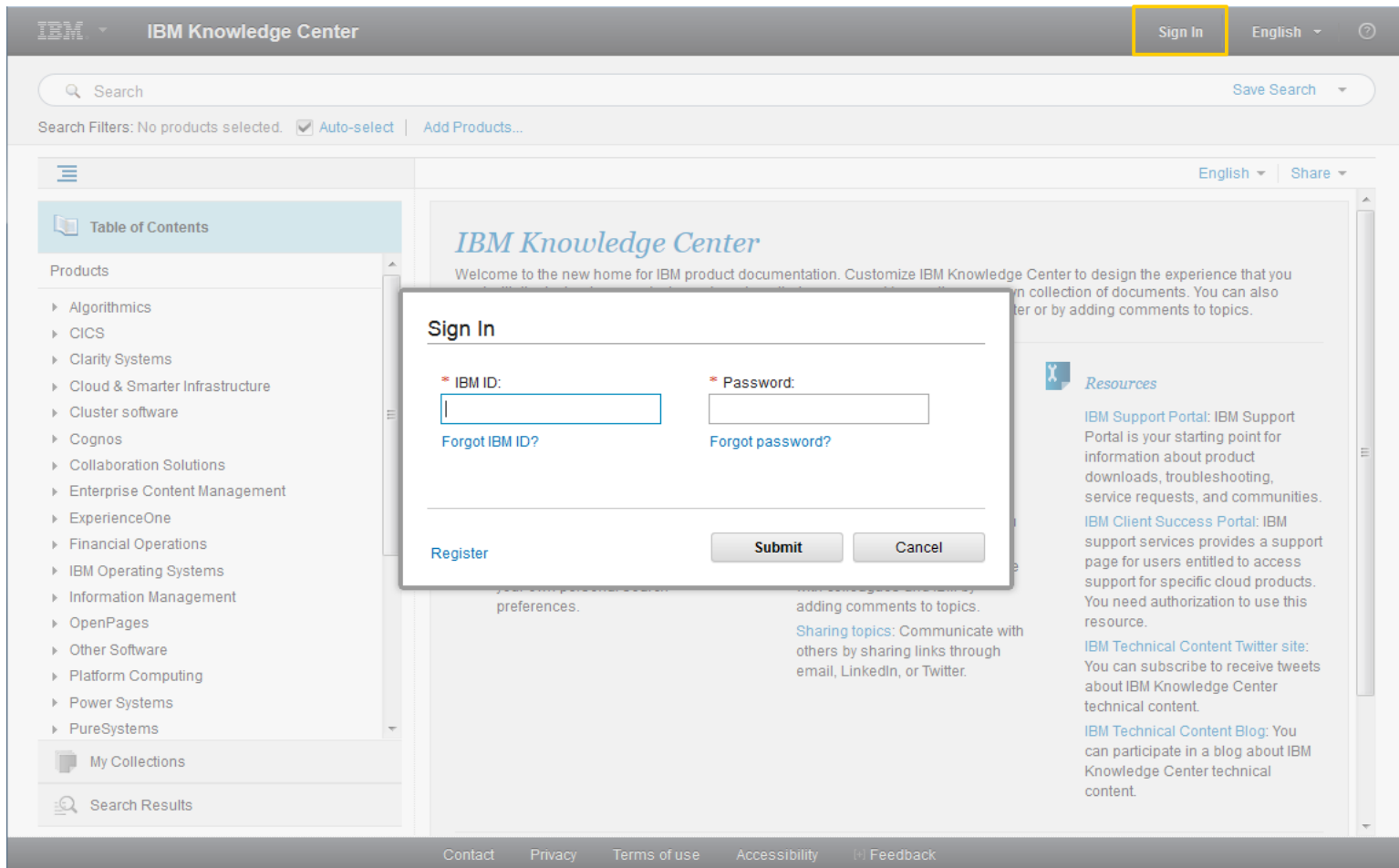
On the left side, there is a "Table of Contents" section with a list of products: Algorithmsics, CICS, Clarity Systems, Cloud & Smarter Infrastructure, Cluster software, Cognos, Collaboration Solutions, Enterprise Content Management, ExperienceOne, Financial Operations, IBM Operating Systems, Information Management, OpenPages, Other Software, Platform Computing, Power Systems, PureSystems, and Rational. Below the products list are "My Collections" and "Search Results" sections.

The main content area is titled "IBM Knowledge Center" and contains 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 the welcome message are three columns of links: "Getting Started" (with a right arrow icon), "My Knowledge Center" (with a book icon), and "Resources" (with a person icon). Each column contains several links with brief descriptions.

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

# Signing in to IBM Knowledge Center

Sign in to IBM Knowledge Center using your ibm.com user ID and password. Among other benefits, signing in allows you to save search queries and create persistent, personalized collections.



The screenshot displays the IBM Knowledge Center interface. At the top right, the 'Sign In' button is highlighted with a yellow box. A search bar is located below the navigation bar. The main content area features a 'Table of Contents' sidebar on the left and a central header for 'IBM Knowledge Center' with a welcome message. A 'Sign In' modal dialog box is overlaid in the center, containing two input fields: '\* IBM ID:' and '\* Password:'. Below each field are links for 'Forgot IBM ID?' and 'Forgot password?'. At the bottom of the dialog are 'Register', 'Submit', and 'Cancel' buttons. The background content is partially obscured by the dialog.





# 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, the IBM logo and "IBM Knowledge Center" are visible, along with "Sign In" and "English" options. A search bar is present with a "Save Search" button. Below the search bar, there are search filters: "No products selected", a checked "Auto-select" box, and an "Add Products..." link. The left sidebar contains a navigation menu with three main sections: "Table of Contents" (highlighted with a yellow border), "My Collections" (highlighted with a yellow border), and "Search Results" (highlighted with a yellow border). The "Table of Contents" section lists various product categories such as "Algorithemics", "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 features the heading "IBM Knowledge Center" and a welcome message. Below this, there are three columns of content: "Getting Started" (with sub-sections like "Search tips", "Searching within a product", and "Setting filters"), "My Knowledge Center" (with sub-sections like "Signing in", "Creating your collections", "Adding comments", and "Sharing topics"), and "Resources" (with links to "IBM Support Portal", "IBM Client Success Portal", "IBM Technical Content Twitter site", and "IBM Technical Content Blog"). At the bottom of the page, there are links for "Contact", "Privacy", "Terms of use", "Accessibility", and "Feedback".

# Navigating Content and the Table of Contents View

# Navigating to the z/OS content

z/OS documentation is located in the Table of Contents under *IBM Operating Systems > System z Operating Systems > z/OS*.

The screenshot displays the IBM Knowledge Center interface. At the top, the IBM logo and 'IBM Knowledge Center' are visible, along with 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: 'No products selected', a checked 'Auto-select' box, and a link to 'Add Products...'. On the left side, a 'Table of Contents' sidebar is shown with a list of categories. The 'IBM Operating Systems' category is expanded, and 'System z Operating Systems' is further expanded to show 'z/OS', which is highlighted with a yellow box. Other categories in the sidebar include Clarity Systems, Cloud & Smarter Infrastructure, Cluster software, Cognos, Collaboration Solutions, Enterprise Content Management, ExperienceOne, Financial Operations, AIX, IBM i, Education Assistant for IBM Operating Syst, Linux on IBM Systems, z/OS Basic Skills, z/VM, and Transaction Processing Facility Databa. The main content area features the heading 'IBM Knowledge Center' and a welcome message. Below this, there are three columns of content: 'Getting Started' with links for search tips, searching within a product, and setting filters; 'My Knowledge Center' with links for signing in, creating collections, adding comments, and sharing topics; and 'Resources' with links for the IBM Support Portal, IBM Client Success Portal, IBM Technical Content Twitter site, and IBM Technical Content Blog. At the bottom of the page, there are links for Contact, Privacy, Terms of use, Accessibility, and Feedback.

# Navigating to the 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 this URL:

[www.ibm.com/support/knowledgecenter/SSLTBW/welcome](http://www.ibm.com/support/knowledgecenter/SSLTBW/welcome)

The screenshot shows the IBM Knowledge Center interface for the z/OS product page. The page is titled "z/OS welcome page" and provides an overview of the product information. The main content area is titled "z/OS welcome page" and provides an overview of the product information. Below this, there are three columns of links: "Learn more", "Find support", and "Stay current". On the right side, there are three sections: "developerWorks", "Redbooks", and "White papers", each containing a list of relevant content items. The "z/OS" link in the sidebar and the "z/OSMF 1.13.0" link are highlighted with a yellow box.



# 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 displays the IBM Knowledge Center interface. At the top, the IBM logo and 'IBM Knowledge Center' are visible, along with the user name 'Toshiba Johnson' and the language 'English'. A search bar is present with a 'Save Search' button. Below the search bar, search filters are shown: 'z/OS 2.1.0', 'Auto-select', 'Clear All', and 'Add Products...'. The main content area is divided into a left sidebar and a main pane. The sidebar, titled 'Table of Contents', shows a hierarchical tree structure. The path 'z/OS MVS > z/OS MVS Diagnosis: Reference > System Reference > Identifying modules, components, and products' is highlighted. The main pane displays the title 'Identifying modules, components, and products' and a paragraph of introductory text. Below the text is 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'. Further down, the text 'Each table contains the following sections:' is followed by a list of three items: 'Module prefix', 'Component name', and 'Component ID'. The footer of the page contains links for 'Contact', 'Privacy', 'Terms of use', 'Accessibility', and 'Feedback'.

IBM Knowledge Center

Toshiba Johnson English

Search Search Save Search

Search Filters: z/OS 2.1.0 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:
  - 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.

Contact Privacy Terms of use Accessibility Feedback

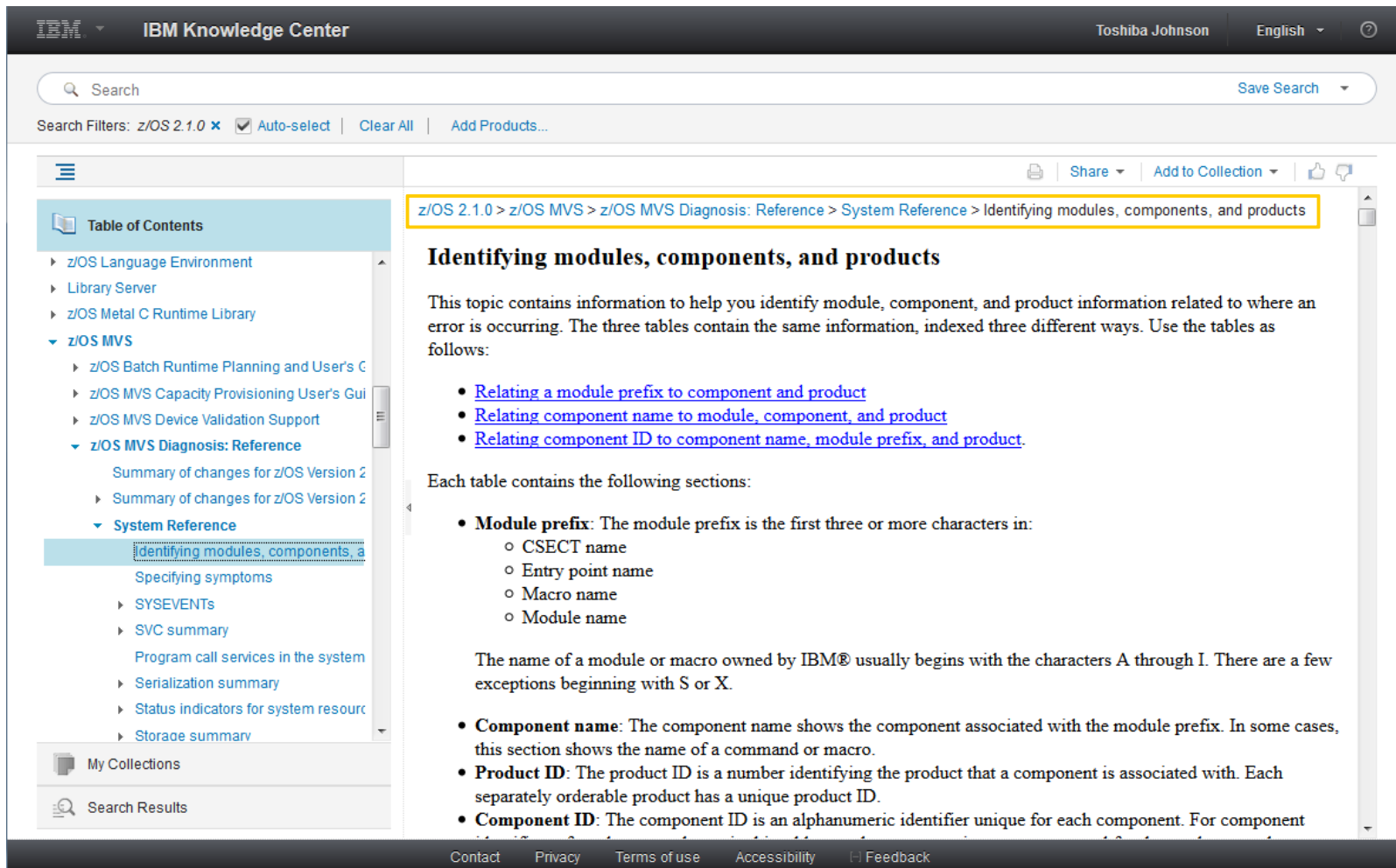
# Using the Table of Contents to navigate z/OS documentation – automatic search filter updates

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, the search bar contains the text "Search" and "Save Search". Below the search bar, the "Search Filters" section is highlighted with a yellow box, showing "z/OS 2.1.0" selected. The main content area displays a breadcrumb trail: "z/OS 2.1.0 > z/OS MVS > z/OS MVS Diagnosis: Reference > System Reference > Identifying modules, components, and products". The page title is "Identifying modules, components, and products". The main text explains that the topic contains information to help identify module, component, and product information. 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". The page also includes a "Table of Contents" sidebar on the left, which is expanded to show the current page. The footer contains links for "Contact", "Privacy", "Terms of use", "Accessibility", and "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 IBM logo and 'IBM Knowledge Center' are visible, along with the user name 'Toshiba Johnson' and the language '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', 'Auto-select', '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 breadcrumb trail is highlighted with a yellow box. Below the breadcrumb trail, the title 'Identifying modules, components, and products' is displayed. The main content area contains a paragraph of text and a list of links. The left sidebar shows a 'Table of Contents' with a tree view of the site structure. The bottom of the page contains a footer with links for 'Contact', 'Privacy', 'Terms of use', 'Accessibility', and 'Feedback'.

IBM Knowledge Center

Toshiba Johnson English

Search Search Save Search

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

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:

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Each table contains the following sections:

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  - 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

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, a
      - Specifying symptoms
      - ▶ SYSEVENTs
      - ▶ SVC summary
      - Program call services in the system
      - ▶ Serialization summary
      - ▶ Status indicators for system resourc
      - ▶ Storage summary

My Collections

Search Results

Contact Privacy Terms of use Accessibility 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 displays two screenshots of the IBM Knowledge Center website. The top screenshot shows a browser window 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 website with the URL `www-01.ibm.com/support/knowledgecenter/SSLTBW_1.13.0/com.ibm.zos.v1r13.eav200/i`. The bottom screenshot also shows the page content for the topic "z/OS MVS Diagnosis: Reference" with the title "Identifying modules, components, and products".

z/OS 1.13.0

**ZOS** **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:





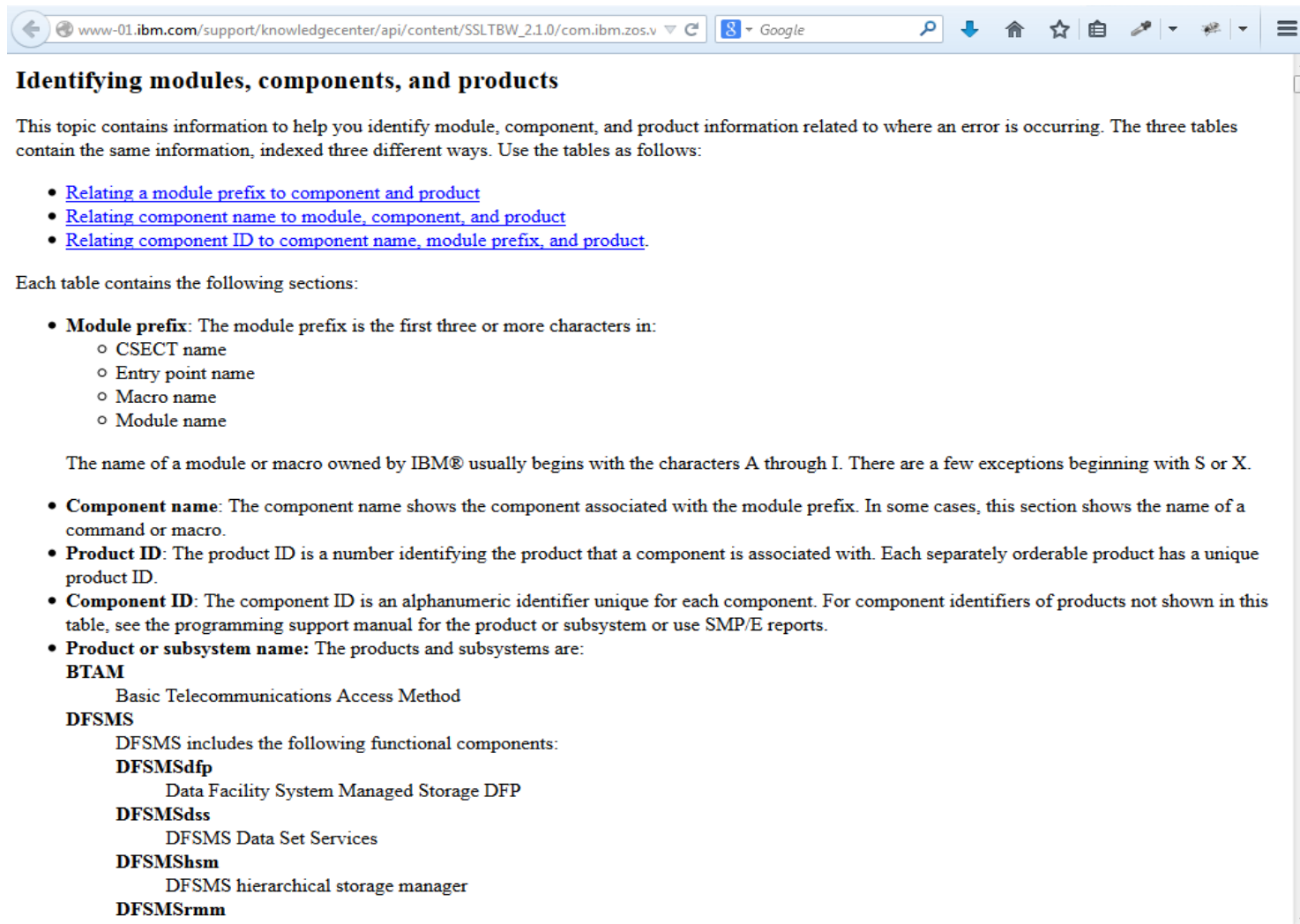
# Maximizing the viewable content

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 navigation area on the left is annotated with a yellow callout: "Hide the navigation area." pointing to the hamburger menu icon. The main content area displays the topic "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". A yellow callout points to the scrollbar of the navigation area: "Drag left or double click to decrease the size of the navigation area." A context menu is open over the "Identifying modules, components, and products" link, with a yellow callout pointing to the "Open in new tab (content only)" option: "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 contains the tip: "Tip: Always open linked topics in new browser tabs so that each original page stays scrolled to the correct spot." The footer includes "Contact", "Privacy", "Terms of use", "Accessibility", and "Feedback".

# 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](#)
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Each table contains the following sections:

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  - 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:
    - DFSMSsdfp**  
Data Facility System Managed Storage DFP
    - DFSMSdss**  
DFSMS Data Set Services
    - DFSMShsm**  
DFSMS hierarchical storage manager
    - DFSMSrmm**

# Creating Customized Views and Documents with the My Collections View

# Using My Collections to create customized views

Select topics or sections from anywhere in IBM Knowledge Center and add them to new or existing collections. From the My Collections view, you can then navigate inside your collections or edit them to reorganize topics and sections to your liking.

The screenshot shows the IBM Knowledge Center interface. At the top, the header includes the IBM logo, 'IBM Knowledge Center', the user name 'Susan Shumway', and the language 'English'. Below the header is a search bar with a magnifying glass icon and a 'Save Search' button. Underneath the search bar, there are search filters: 'z/OS 2.1.0', a checked 'Auto-select' checkbox, and links for 'Clear All' and 'Add Products...'. The main content area is split into two columns. The left column has a sidebar with a 'Table of Contents' link and a 'My Collections' link. Under 'My Collections', there is a dropdown menu for 'GRS' which is expanded to show a list of topics: 'z/OS MVS Planning: Global Resource Serialization', 'GRSCNFxx (global resource serialization configuration)', 'GRSRNLxx (global resource serialization resource name lists)', 'GRS QScan statistics data section', 'GRS enqueue data', and 'GRS latch type data'. Below these are 'MVS Init & Tuning' and 'z/OS Migration'. The right column is titled 'Edit Collection' and shows the collection name 'GRS'. Below the name is a description: 'Selected topics and sections that relate to GRS'. Underneath is a section titled 'Topics' which lists the same six topics as the sidebar, each with an 'X' icon, an up arrow, and a down arrow, followed by the topic name and '[more subtopics]'. At the top of the right column, there are links for 'Save', 'Delete', and 'Discard Changes'.

# Using My Collections to produce PDFs of your customized views

Create stripped-down PDFs of your customized content for printing or sharing.

The screenshot shows the IBM Knowledge Center interface. At the top, the user is identified as Susan Shumway in English. A search bar is visible with the text 'Search' and a 'Save Search' button. Below the search bar, there are search filters: 'z/OS 2.1.0', 'Auto-select', 'Clear All', and 'Add Products...'. A yellow box highlights the 'Create PDF File' button in the top navigation area. Below this, the main content area shows a document titled 'GRS' with the subtitle 'Selected topics and sections that relate to GRS'. A yellow arrow points from the 'Create PDF File' button to a preview window. The preview window displays the document content, which includes a table of contents on the left and the main text on the right. The table of contents lists various topics, with 'Syntax rules for GRSCNFxx' highlighted. The main text area shows the title 'Syntax rules for GRSCNFxx' and a list of rules for creating GRSCNFxx files. The rules are:

- Use columns 1 through 71; columns 72 through 80 are ignored.
- Comments may appear in columns 1-71 and must begin with a comment character. A comment can span lines and can appear anywhere except in the specified value.
- Each GRSDEF statement is defined as beginning with the character GRSDEF and ending with the character immediately preceding the value.
- The GRSDEF statement format is:

```
GRSDEF [MATCHSYS {name} {value}]
```

The preview window also shows a table of contents on the left side of the document, listing various topics related to GRS, including 'Alternate link failure', 'System failure', 'Reactivating a quiesced system', 'Trademarks', 'GRSCNFxx (global resource serialization configuration)', 'Parameters in IEASYSxx', 'Syntax rules for GRSCNFxx', 'IBM-supplied default for GRSCNFxx', 'Statements and parameters for GRSCNFxx', 'GRSRNLxx (global resource serialization resource name lists)', 'GRS QScan statistics data section', and 'GRS enqueue data'.



# Searching Content and the Search Results View

# 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 suggestions under three categories: "KEYWORD HINTS", "PRODUCT PAGES", and "MY COLLECTIONS". The "KEYWORD HINTS" section lists "dynamic routing - Keyword Hint", "dynamic - Keyword Hint", and "dynamic web page - Keyword Hint". The "PRODUCT PAGES" section lists "WebSphere Dynamic Process Edition - Product Page". The "MY COLLECTIONS" section shows "None".

Below the search bar, the main content area displays search results. On the left, there are links for "z/OSMF 1.13.0", "z/OS 2.1.0", "z/OS 1.13.0", and "z/OS 1.12.0". In the center, there is a section titled "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." Below this, there are three columns of links: "Learn more" (Online catalog of software products, Explore IBM Systems, IBM Cloud Computing, Redbooks, developerWorks), "Find support" (IBM Support Portal, IBM Software Support, IBM Client Success Portal, IBM Passport Advantage), and "Stay current" (IBM security bulletins, Subscribe to feeds from developerWorks).

On the right side, there are sections for "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) and "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).

At the bottom of the page, there are 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 interface. The search query is "dynamic vipa". The results are displayed in a list format, with each item showing a title, a summary, and the product release information. The results are filtered by "z/OS" and "Auto-select". The search results are displayed in a list format, with each item showing a title, a summary, and the product release information. The results are filtered by "z/OS" and "Auto-select".

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

1 - 80 items 20 40 60 80 Next 20 results ▶

Date: February 11, 2015 | Found in: z/OS 2.1.0

**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

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 displays the IBM Knowledge Center search interface. At the top, the search bar contains the query "dynamic vipa". Below the search bar, the "Search Filters" section shows "z/OS" selected, with an "Add Products..." button highlighted in yellow. The main content area shows search results for "dynamic vipa", with a "1 - 80 items" indicator. A modal dialog box titled "Add Products" is open in the center, prompting the user to "Select or search for products to add as search filters." The dialog features a search input field and a tree view of products. Under "System z Operating Systems", the "z/OS" category is expanded, and "z/OS 2.1.0" is selected with a checked checkbox, highlighted in yellow. Other options include "z/OS 1.13.0", "z/OS 1.12.0", "z/OS Basic Skills", "z/VM", "Transaction Processing Facility Database Facility", and "z/Transaction Processing Facility Enterprise Edition". The dialog also includes "Information Management", "OpenPages", and "Other Software" categories. At the bottom of the dialog are "Apply", "Clear All", and "Cancel" buttons. The background search results are partially visible, showing a list of articles related to dynamic VIPA configuration.

# 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 are displayed: 'z/OS 2.1.0' (highlighted with a yellow box), 'Auto-select' (checked), 'Clear All', and 'Add Products...'. The search results are listed on the right, with the first result being 'Resolution of dynamic VIPA conflicts - IBM'. The date of this result is 'February 11, 2015', and it is 'Found in: z/OS 2.1.0' (highlighted with a yellow box). The left sidebar contains navigation options such as 'Table of Contents', 'My Collections', and 'Search Results'. The bottom of the page has a footer with links for 'Contact', 'Privacy', 'Terms of use', 'Accessibility', and 'Feedback'.

**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 ) 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 management for 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 **dynamic VIPA** 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

Note: The search filter stays set until you reset it or click within another product's tree in the navigation area.

# 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 yellow 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 interface includes a sidebar with navigation options like "Table of Contents", "My Collections", and "Search Results". The footer contains links for "Contact", "Privacy", "Terms of use", "Accessibility", and "Feedback".

# 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.

The screenshot shows the IBM Knowledge Center search interface. The search bar contains the query: `"dynamic vipa" | dvipa intitle:introduction | intitle:overview`. A callout box points to this query with the text: "Find topics 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." The search results page displays a list of five items, including "Introduction to VIPA", "Scenario 1 overview - sysplex distributor load balancing to DataPower", "Overview of DEVICE and LINK statements", "Overview of diagnosing sysplex distributor problems - IBM", and "Scenario 2 overview - sysplex distributor load balancing to ... - IBM".

# 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 are displayed in a list format, showing three items. The first item is titled "Introduction" and is highlighted. The second item is titled "Scenario 1 overview - sysplex distributor load balancing to DataPower" and the third is "Scenario 2 overview - sysplex distributor load balancing to ... - IBM".

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.

Tip: Book identifiers are also helpful during basic searching. If you hover over a topic title link in the search results, the displayed URL will contain the identifier of the containing book.

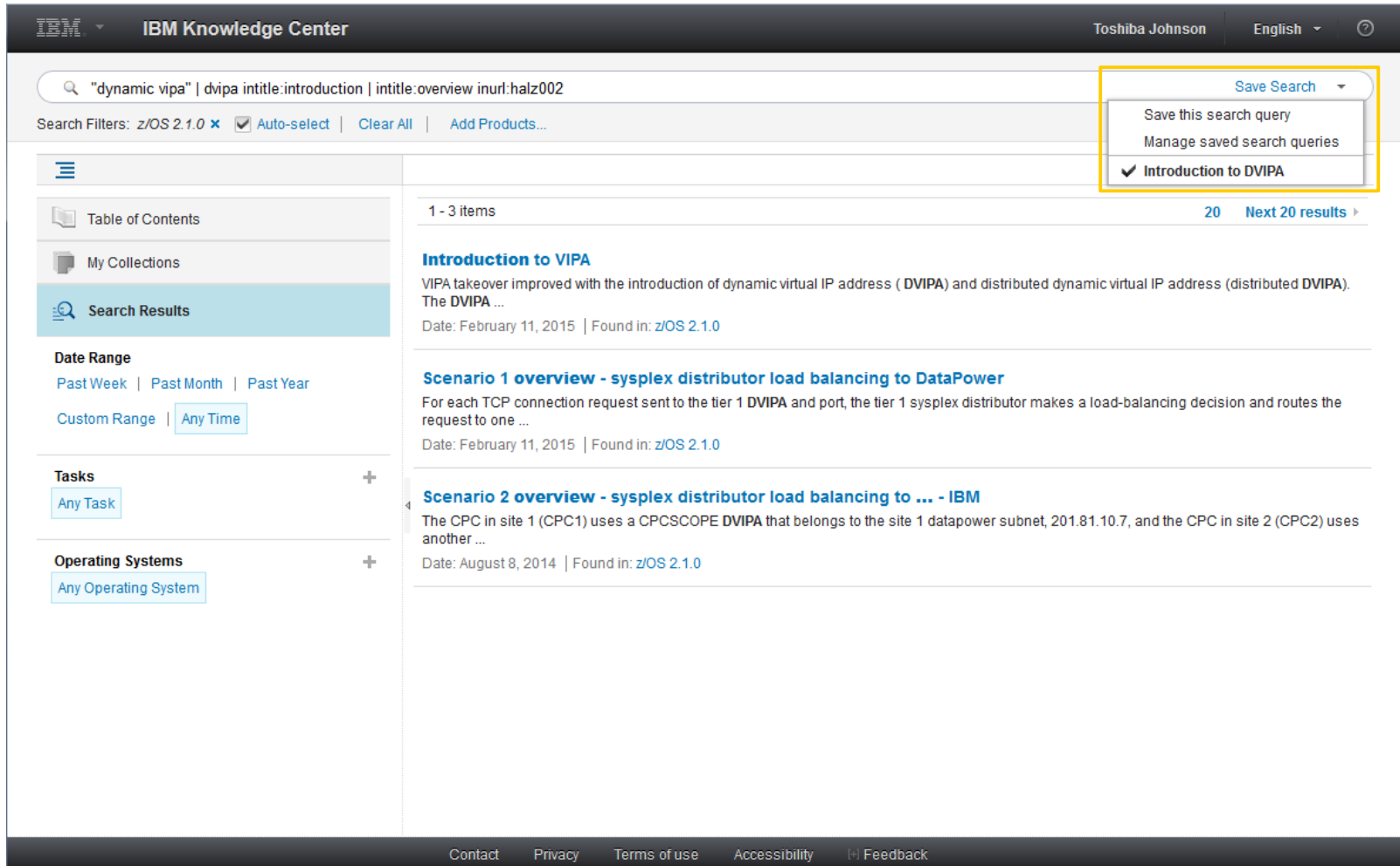
# Saving your search criteria

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 box titled "Name the Search" is open, showing a "Search name:" field with the text: `"dynamic vipa" | dvipa intitle:introduction | intitle:over`. A yellow callout bubble points to this 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 box also includes "Save" and "Cancel" buttons. The background shows search results for "Introduction to VIPA" with a date range filter set to "Any Time".

# 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" and "Auto-select". A "Save Search" menu is open on the right side of the search bar, showing 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".

# Using Multiple Tools and Methods to Enhance Search Results



# Use IBM Softcopy Librarian to download and maintain your repository of PDFs

IBM Softcopy Librarian: [www.ibm.com/support/docview.wss?uid=swg24000640](http://www.ibm.com/support/docview.wss?uid=swg24000640)

Download entire PDF collection kits or only the PDFs you need by using IBM Softcopy Librarian. IBM Softcopy Librarian is designed to help you manage multiple repositories on your laptop, LAN drives, or z/OS. Once established, IBM Softcopy Librarian helps keep the repository current by flagging new and updated documents. So, with one click, you can update your local repositories wherever they reside.

← Go to IBM Support Portal

## IBM Softcopy Librarian V4.6

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**Abstract**

The IBM Softcopy Librarian provides you with the ability to manage PDFs, BookManager® softcopy books, and shelves you receive from IBM and from other companies.

**Download Description**

The Softcopy Librarian lets you set up and maintain PDF and BookManager book repositories using a variety of sources. You can obtain and transfer shelves of books and shelves of PDFs from:  
CD collections, the IBM PUBLIB Web site, or from a local hard disk.

Note: In general, using the Internet to obtain books from IBM might be slower than using CDs. We recommend that you use the IBM CD-ROM collections for the normal quarterly refreshes, and use the Internet only for updating your repositories between quarters with latest releases or a few critically important bookshelves.

The Softcopy Librarian keeps a catalog of all the book, PDF, and shelf files that you send to your repository from any level of a CD, from your local hard drive, or from the IBM PUBLIB Web site. When a new level of a bookshelf arrives, on a new CD or at the PUBLIB Web site, the SoftCopy Librarian compares it and its contents with the catalog and shows you whether it's brand new or whether it's changed since the last level you received. You now have a way to see at a glance which shelves on a CD or at the PUBLIB Web site are currently in your repository.

Support for IBM Softcopy Librarian is via e-mail at [bookmgr@us.ibm.com](mailto:bookmgr@us.ibm.com).

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**Software version:**  
4.6

**Operating system(s):**  
Windows

**Reference #:**  
4000640

**Modified date:**  
2013-02-25

**Translate my page**  
Select Language



# Manually download individual PDFs from the z/OS documentation download page

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/)

The screenshot shows the IBM website header with navigation links: Industries & solutions, Services, Products, Support & downloads, My IBM, and a Search bar. The main heading is "z/OS V2R1 Elements and Features - March 2015". Below this is a section titled "z/OS V2R1 Elements and Features PDF Downloads (March 2015)".



**System level**

- [z/OS Hot Topics newsletters](#)
- [Glossary of z/OS terms](#)
- [z/Architecture Principles of Operation](#)
- [z/OS System-Level](#)
- [IBM z/OS Management Facility](#)





**Elements and features**

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# Manually download entire collections of PDFs from the IBM Publications Center

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 on “z/OS V2R1 Collection” or publication number “SK4T-4949” (English).

The screenshot shows the IBM Publications Center search results page. The navigation bar includes links for Home, Solutions, Services, Products, Support & downloads, and My IBM. The search results are for the query "z/OS V2R1 Collection", showing 8 matches. The results table lists various z/OS V2R1 Collection publications from 2013 to 2015, each with a unique publication number and an online icon for viewing or downloading.

Publications home > Search for publications >

## Search results

Search argument: **z/OS V2R1 Collection**  
Matches 1 to 8 of 8

Publications cannot be ordered on this site. For online publications and bookshelves click the Online icon to view or download. Click [help](#) for more information about the following results.

Publication title	Publication no.	Online
1. IBM Online Library: z/OS V2R1 Collection, Feb 2015	<a href="#">SK4T-4949-05</a>	
2. IBM Online Library: z/OS V2R1 Collection, Sept 2014	<a href="#">SK4T-4949-04</a>	
3. IBM Online Library: z/OS V2R1 Collection, June 2014	<a href="#">SK4T-4949-03</a>	
4. IBM Online Library: z/OS V2R1 Collection, Mar 2014	<a href="#">SK4T-4949-02</a>	
5. IBM Online Library: z/OS V2R1 Collection, Dec 2013	<a href="#">SK4T-4949-01</a>	
6. IBM Online Library: z/OS V2R1 Collection, Sept 2013	<a href="#">SK4T-4949-00</a>	
7. Japanese IBM Online Library: z/OS V2R1 Collection, Dec 2013	<a href="#">SK88-4004-01</a>	

# Set up and use an offline, 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.



# Use IBM BookManager to search for content in V1R13, then note its location

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)

After finding the content you want, click the picture frame icon to determine your location in the library. Using the table of contents for the current z/OS release in IBM Knowledge Center, navigate to the same book and section to see the current information.


## Search Results for a Shelf



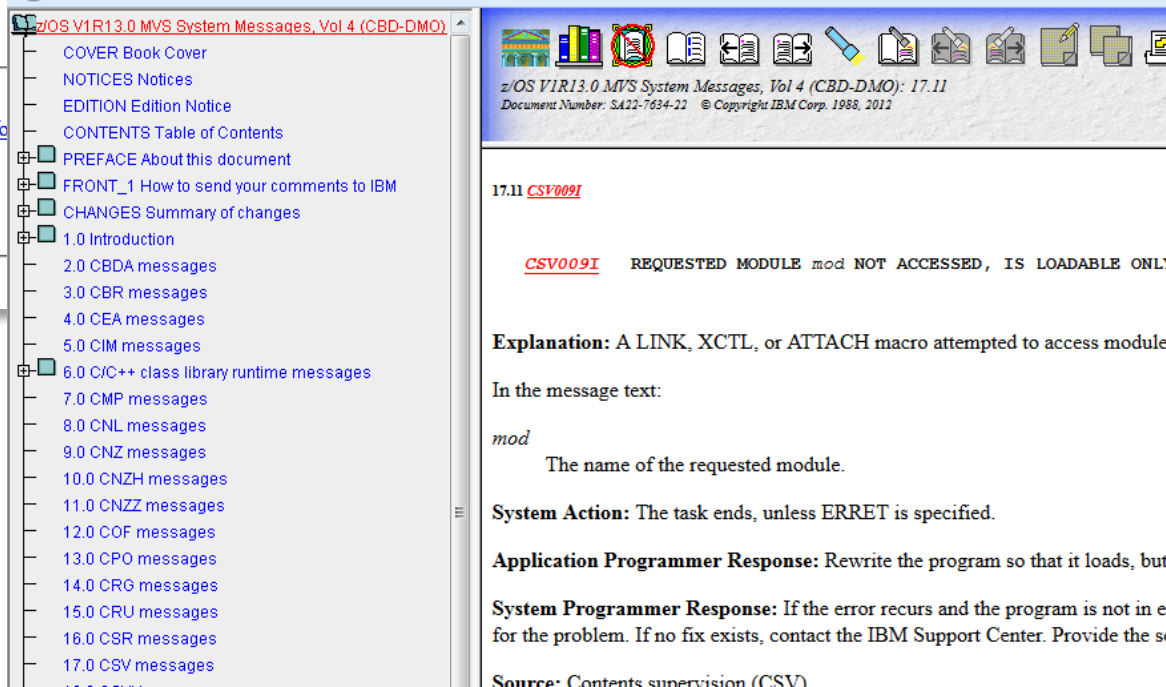
Search results for shelf: *all13be9 "z/OS V1R13 Base Elements Optional Features (September 2012)"*

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](#)

IBM Library Server Copyright 1989, 2005 IBM Corporation. All rights reserved.



The screenshot displays the IBM BookManager interface. On the left, a search results pane shows two documents with matches for the keyword *CSV009I*. The first document is *z/OS V1R13.0 MVS System Messages, Vol 4 (CBD-DMO)* (iea2m4c1), and the second is *z/OS V1R13.0 MVS System Codes* (iea2h7c2). Below the search results, a table of contents for the selected document is visible, listing sections from COVER to 17.0 CSV messages. The main content area on the right shows the document title *z/OS V1R13.0 MVS System Messages, Vol 4 (CBD-DMO): 17.11* and the error message *CSV009I REQUESTED MODULE mod NOT ACCESSED, IS LOADABLE ONLY*. Below the message, an explanation states: "A LINK, XCTL, or ATTACH macro attempted to access module *mod*. The name of the requested module." The system action is "The task ends, unless ERRET is specified." The application programmer response is "Rewrite the program so that it loads, but..." and the system programmer response is "If the error recurs and the program is not in error for the problem. If no fix exists, contact the IBM Support Center. Provide the source: Contents supervision (CSV)".

# Social Features

# 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 displays 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 'Table of Contents' sidebar shows a tree structure under 'z/OS MVS' with 'z/OS MVS Diagnosis: Reference' expanded to 'System Reference', where 'Identifying modules, components, and...' is selected. The main content area features a table with the following data:

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

Below the table are links for 'Other Languages' and 'Other Versions'. A disclaimer states: '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, the accuracy of 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.'

Callouts highlight the following features:

- Rate topics:** A callout points to the thumbs-up and thumbs-down icons in the top right of the content area.
- Share topics on LinkedIn, Twitter, or by email:** A callout points to the 'Share' dropdown menu, which includes options for Email, LinkedIn, and Twitter.
- Write comments or ask questions (public):** A callout points to the 'Comments (0) Add Comment' section.
- Send feedback (private):** A callout points to the 'Feedback' link in the footer.

# New and Upcoming Documentation Solutions



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

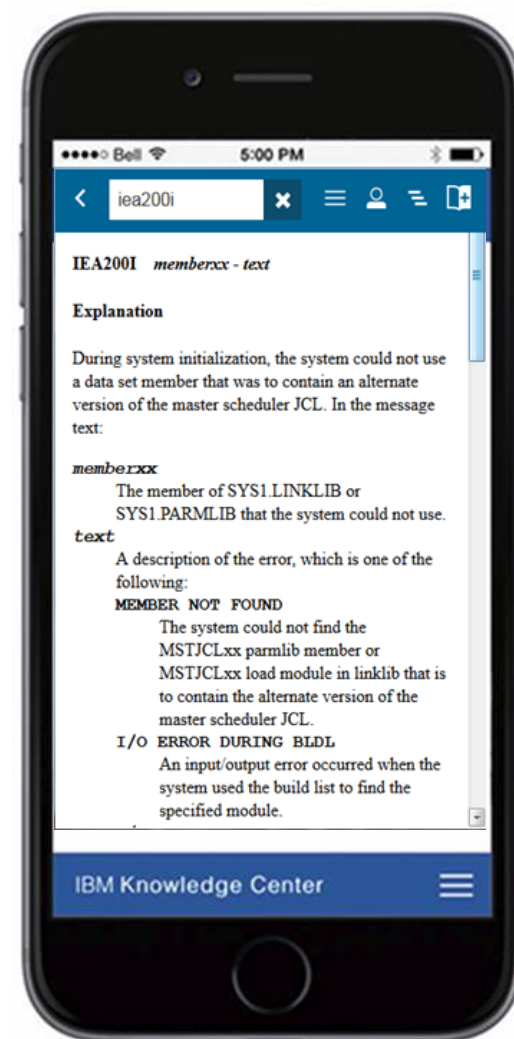
The new IBM Knowledge Center mobile beta is available and supports iOS and Android. Access it at

[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 later on a desktop
  - When you sign in from a desktop, the topics you added are shown in a special entry called "Added from IBM Knowledge Center Mobile"

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



# Coming in V2R2: IBM Knowledge Center for z/OS and enhanced IBM Softcopy Librarian

IBM Knowledge Center for z/OS (KC4z) is an SMP/E packaging of the IBM Knowledge Center 1.5.1 "Customer Installed" edition (KCCI), with no additional function added. It is a Java web application deployed by the WebSphere Liberty Profile packaged with the z/OSMF base element of z/OS V2R2, though it will create its own instance from those binaries. Starting with z/OS V2R2, KC4z will be a new base element of z/OS. All z/OS customers will have access to it as part of the base operating system.

KC4z provides the ability to display, navigate, and search content in a manner similar to IBM Knowledge Center on the IBM Support site, but in a local, optionally disconnected environment. (Because it's a local instance, there are no log-in profile-based functions such as commenting, personal collections, or sharing or saving of information.)

IBM Softcopy Librarian will start supporting IBM Knowledge Center documentation plug-ins so that you can use it to download z/OS or other IBM product documentation plug-ins and organize them to your liking in one or more KC4z instances. You can also manually add content to KC4z by copying it to z/OS directories.

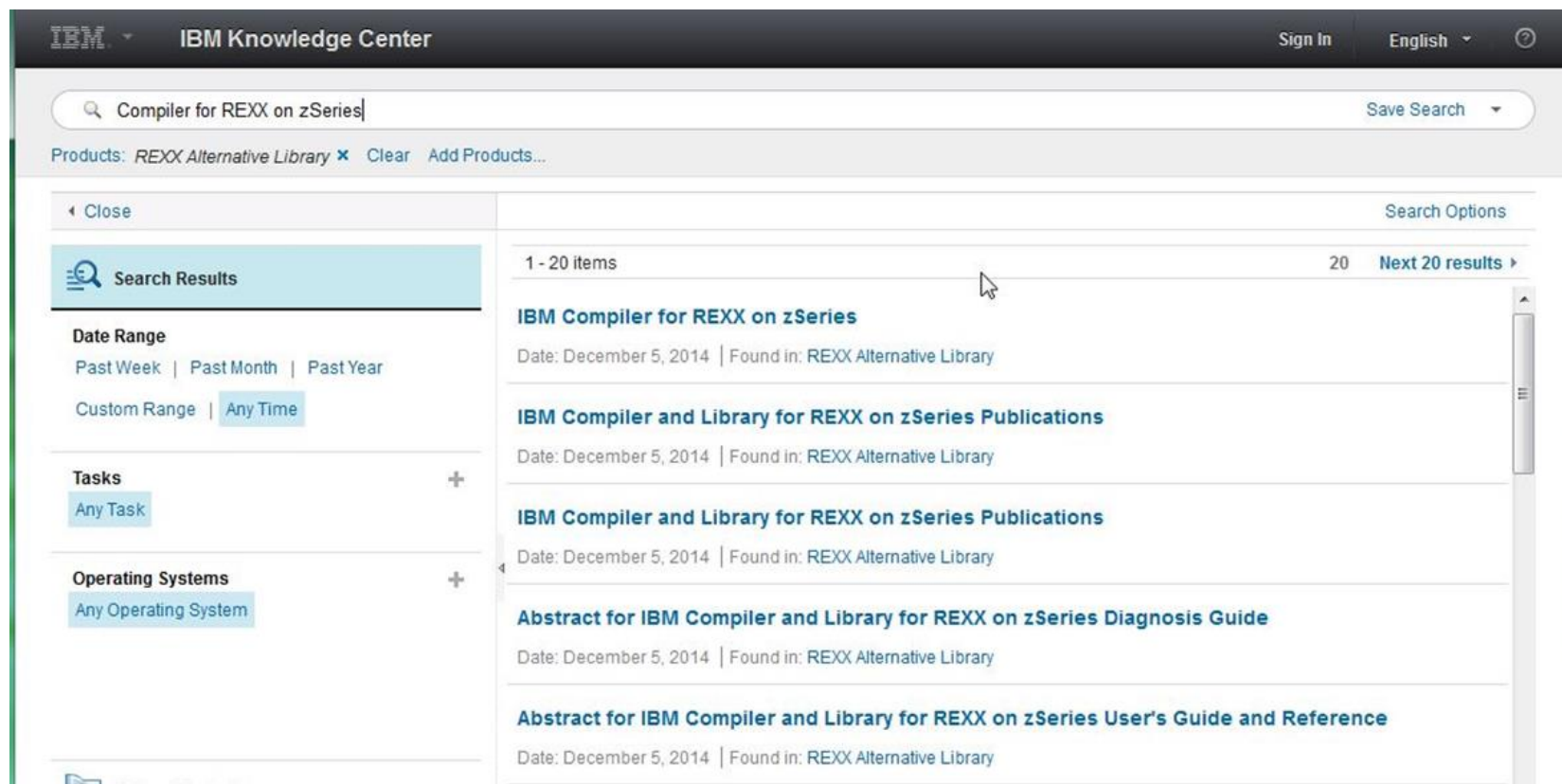
For more information, see the z/OS V2R2 preview announcement:

[www.ibm.com/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep\\_ca/6/897/ENUS215-006/index.html](http://www.ibm.com/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep_ca/6/897/ENUS215-006/index.html)

# Coming soon: z/OS documentation search tool for IBM Knowledge Center

We're soon unveiling a tool on the z/OS Internet Library ([www.ibm.com/systems/z/os/zos/library/bkserv/](http://www.ibm.com/systems/z/os/zos/library/bkserv/)) that will let you search across individual z/OS element libraries. See Geoff Smith's SHARE presentation at [share.confex.com/share/124/webprogram/Session16708.html](http://share.confex.com/share/124/webprogram/Session16708.html) for details.

Scope results to one element library:



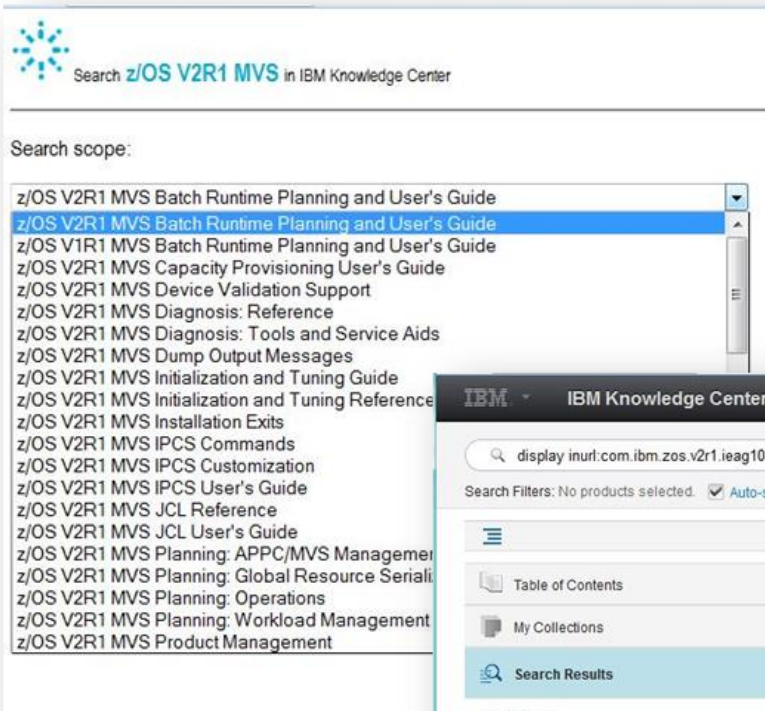
The screenshot displays the IBM Knowledge Center search interface. At the top, the IBM logo and 'IBM Knowledge Center' are visible on the left, and 'Sign In' and 'English' are on the right. A search bar contains the text 'Compiler for REXX on zSeries' and a 'Save Search' button. Below the search bar, the 'Products' section shows 'REXX Alternative Library' with a 'Clear' button and an 'Add Products...' link. The main content area shows search results for '1 - 20 items' with a 'Next 20 results' link. The results list includes:

- IBM Compiler for REXX on zSeries**  
Date: December 5, 2014 | Found in: REXX Alternative Library
- IBM Compiler and Library for REXX on zSeries Publications**  
Date: December 5, 2014 | Found in: REXX Alternative Library
- IBM Compiler and Library for REXX on zSeries Publications**  
Date: December 5, 2014 | Found in: REXX Alternative Library
- Abstract for IBM Compiler and Library for REXX on zSeries Diagnosis Guide**  
Date: December 5, 2014 | Found in: REXX Alternative Library
- Abstract for IBM Compiler and Library for REXX on zSeries User's Guide and Reference**  
Date: December 5, 2014 | Found in: REXX Alternative Library

On the left side, there are filters for 'Date Range' (Past Week, Past Month, Past Year, Custom Range, Any Time), 'Tasks' (Any Task), and 'Operating Systems' (Any Operating System).

# Coming soon: z/OS documentation search tool for IBM Knowledge Center

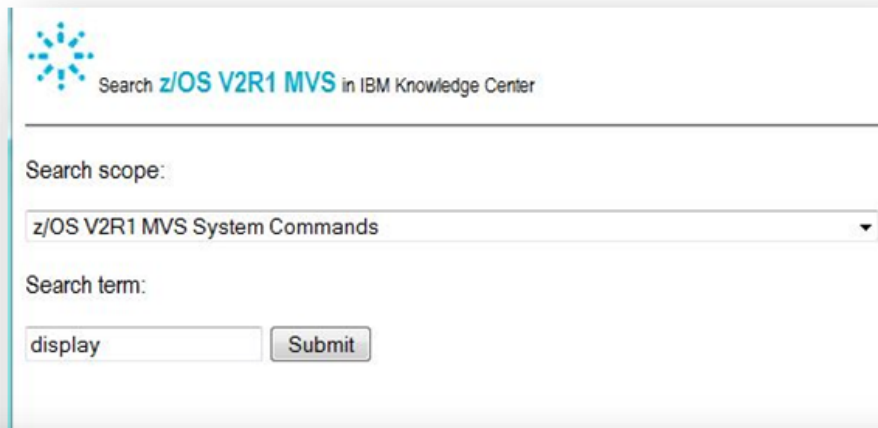
Scope results to a single book:



Search **z/OS V2R1 MVS** in IBM Knowledge Center

Search scope:

- z/OS V2R1 MVS Batch Runtime Planning and User's Guide
- z/OS V2R1 MVS Batch Runtime Planning and User's Guide**
- z/OS V1R1 MVS Batch Runtime Planning and User's Guide
- z/OS V2R1 MVS Capacity Provisioning User's Guide
- z/OS V2R1 MVS Device Validation Support
- z/OS V2R1 MVS Diagnosis: Reference
- z/OS V2R1 MVS Diagnosis: Tools and Service Aids
- z/OS V2R1 MVS Dump Output Messages
- z/OS V2R1 MVS Initialization and Tuning Guide
- z/OS V2R1 MVS Initialization and Tuning Reference
- z/OS V2R1 MVS Installation Exits
- z/OS V2R1 MVS IPCS Commands
- z/OS V2R1 MVS IPCS Customization
- z/OS V2R1 MVS IPCS User's Guide
- z/OS V2R1 MVS JCL Reference
- z/OS V2R1 MVS JCL User's Guide
- z/OS V2R1 MVS Planning: APPC/MVS Management
- z/OS V2R1 MVS Planning: Global Resource Serial
- z/OS V2R1 MVS Planning: Operations
- z/OS V2R1 MVS Planning: Workload Management
- z/OS V2R1 MVS Product Management



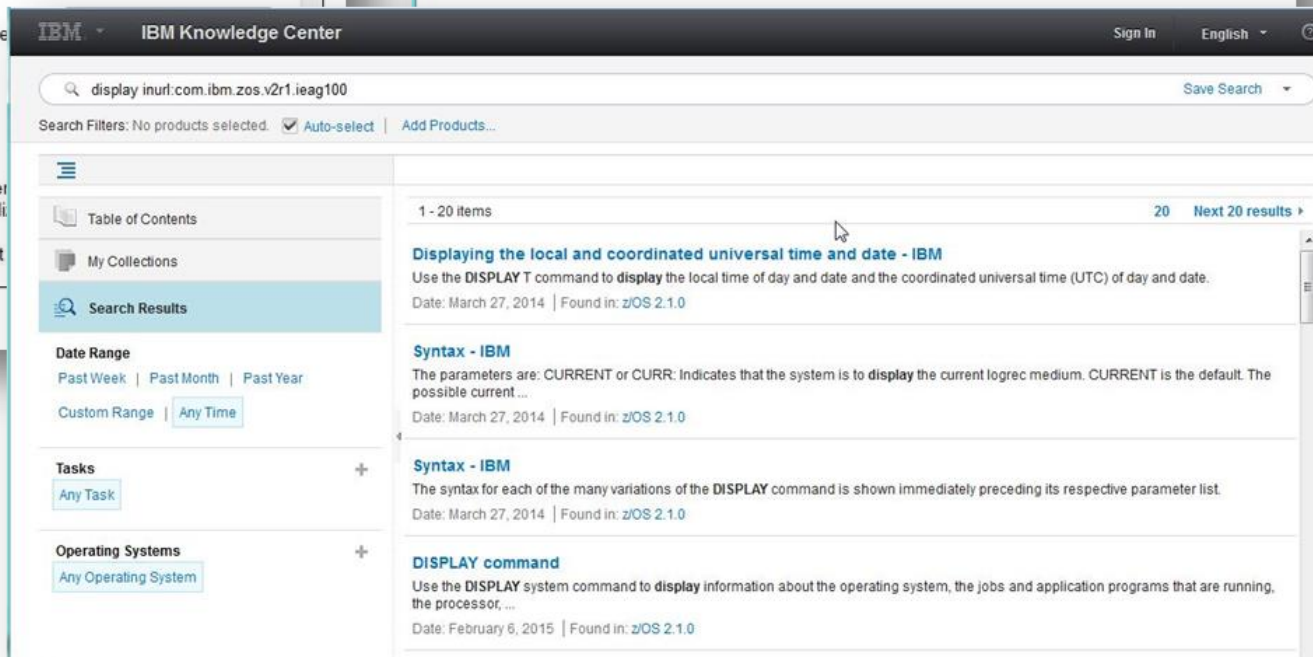
Search **z/OS V2R1 MVS** in IBM Knowledge Center

Search scope:

z/OS V2R1 MVS System Commands

Search term:

display



IBM Knowledge Center

Search **display inurl:com.ibm.zos.v2r1.ieag100** Save Search

Search Filters: No products selected.  Auto-select | Add Products...

1 - 20 items 20 Next 20 results

**Displaying the local and coordinated universal time and date - IBM**  
Use the **DISPLAY T** command to **display** the local time of day and date and the coordinated universal time (UTC) of day and date.  
Date: March 27, 2014 | Found in: z/OS 2.1.0

**Syntax - IBM**  
The parameters are: CURRENT or CURR: Indicates that the system is to **display** the current logrec medium. CURRENT is the default. The possible current ...  
Date: March 27, 2014 | Found in: z/OS 2.1.0

**Syntax - IBM**  
The syntax for each of the many variations of the **DISPLAY** command is shown immediately preceding its respective parameter list.  
Date: March 27, 2014 | Found in: z/OS 2.1.0

**DISPLAY command**  
Use the **DISPLAY** system command to **display** information about the operating system, the jobs and application programs that are running, the processor, ...  
Date: February 6, 2015 | Found in: z/OS 2.1.0



Questions?

# Optional Survey: IBM Knowledge Center

Thank you!

# Backup Resources



## 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: Facebook pages and LinkedIn profiles

- IBM System z: [www.facebook.com/IBMsystemz?ref=tn\\_tnmn](http://www.facebook.com/IBMsystemz?ref=tn_tnmn)
- IBM Master the Mainframe Contest: [www.facebook.com/MasterTheMainframe?fref=ts](http://www.facebook.com/MasterTheMainframe?fref=ts)
- IBM Destination z: [www.facebook.com/IBMDestinationz](http://www.facebook.com/IBMDestinationz)
- SHARE Inc: [www.facebook.com/SHAREonSocial](http://www.facebook.com/SHAREonSocial) and [www.linkedin.com/groups?trk=myg\\_ugrp\\_ovr&gid=1803278](http://www.linkedin.com/groups?trk=myg_ugrp_ovr&gid=1803278)
- System z Advocates: [www.linkedin.com/groups/System-z-Advocates-155723?mostPopular=&gid=155723](http://www.linkedin.com/groups/System-z-Advocates-155723?mostPopular=&gid=155723)
- IBM Mainframe – Unofficial Group: <https://ibm.biz/BdRJgg>
- IBM z Systems Events: [www.linkedin.com/groups/IBM-System-z-Events-3053018?trk=myg\\_ugrp\\_ovr](http://www.linkedin.com/groups/IBM-System-z-Events-3053018?trk=myg_ugrp_ovr)
- Mainframe Experts Network: [www.linkedin.com/groups/Mainframe-Experts-Network-55779?trk=myg\\_ugrp\\_ovr](http://www.linkedin.com/groups/Mainframe-Experts-Network-55779?trk=myg_ugrp_ovr)

## 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.

# 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	hpuz2c0

## z/OS book identifiers by element

Element	Book Title	Book Identifier
IBM Tivoli Directory Server for z/OS	z/OS V2R2 IBM Tivoli Directory Server Client Programming for z/OS	glpa100
IBM Tivoli Directory Server for z/OS	z/OS V2R2 IBM Tivoli Directory Server Administration and Use for z/OS	glpa200
IBM Tivoli Directory Server for z/OS	z/OS V2R1 IBM Tivoli Directory Server Plug-in Reference for z/OS	glpa300
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.jobsresources

## z/OS book identifiers by element

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
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

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	aps000
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	aopt00
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

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	cb added01
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

Element	Book Title	Book Identifier
z/OS Communications Server	z/OS V2R2.0 Communications Server: IP Messages Volume 1 (EZA)	halm001
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

Element	Book Title	Book Identifier
z/OS Cryptographic Services	z/OS ICSF Writing PKCS #11 Applications	csfba00
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
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

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

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	eufb00
z/OS Integrated Security Services	z/OS V2R2 Integrated Security Services Network Authentication Service Administration	eufa00
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

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

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

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

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	e0zpz00
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

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	cbcpv01
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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