

Build Your Own z/OS Documentation Library

SHARE Session 8925: Monday, February 28, 2011: 4:30 PM-5:30 PM

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DFSMSdfp	Language Environment*	System i*	z/OS*
DFSMSHsm	Lotus*	System p*	z/VM*
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Abstract

Whether you are a lone systems programmer building a personal library for your own use or you are a information librarian responsible for building a corporate wide library of documentation, this session should be useful to you. The speaker will go over how to build your own repositories using your choice of technologies. He will then step through how to create a central repository using IBM Library Server, and show you how to customize Eclipse based Information Centers. The speaker will demonstrate how to create shelves of information customized for different roles. You'll learn how easy it is to create a custom shelf for systems programmers, applications programmers or systems operators

In exchange for completing a survey, attendees will receive a copy of IBM's latest softcopy collection kit.

Agenda

z/OS® What's New in Product Documentation

Changes for V1R13 and R12

Softcopy Collection Update

Hot Topics Update

z/OS Product Documentation Surveys Results

z/OS Documentation Strategy Tools and Technologies (10 min)

Recap: Information Strategy

Library Centers and Information Centers which is which?

Tour of the z/OS DB2/IMS Information Center – Ann Hernandez (10 min?)

z/OS Online Library (15 min)

Start Here: zFavorites Library Map

Scoping and filtering your searches

Accessing Libraries on the go

Tour of the DB2/IMS Information Center (by Ann Hernandez)

Creating Custom Libraries

Using the z/OS SHARE Quick Start DVD

Appendix

A. Reference: Tools and resources for System z Education

Update on the IBM Academic Initiative

z/OS basic skills information center

Tools for new application developers

zNextGen

B. Misc Tips and tools for finding Information

What's New in z/OS Product Documentation



z/OS V1R12 Product Documentation Changes



New books

- A new book has been added to support the new product, IBM z/OS Management Facility: *IBM z/OS Management Facility Configuration Guide* (SA38-0652).
- Another book is recommended in conjunction with support for IBM z/OSMF: *IBM WebSphere Application Server OEM Edition for z/OS Configuration Guide*, GA38-0631).
- A new book has been added to the IBM Tivoli Directory Server library: *IBM Tivoli Directory Server Messages and Codes for z/OS* (SA23-2262).

Changed Information

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

Changes for z/OS V1R13 Product Documentation

Deleted/Changed Books

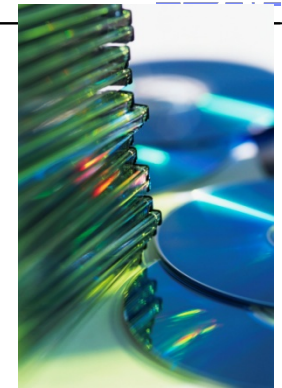
- *z/OS Connection Scaling Reference*

Starting in R13, Distributed Computing Environment (DCE) and Distributed Computing Environment Security Server (DCE Security Server) will no longer be shipped with z/OS; therefore, the following books have been deleted:

- *z/OS DCE Administration Guide, SC24-5904*
- *z/OS DCE Application Development Guide: Core Components, SC24-5905*
- *z/OS DCE Application Development Guide: Directory Services, SC24-5906*
- *z/OS DCE Application Development Guide: Introduction and Style, SC24-5907*
- *z/OS DCE Application Development Reference, SC24-5908*
- *z/OS DCE Command Reference, SC24-5909*
- *z/OS DCE Configuring and Getting Started, SC24-5910*
- *z/OS DCE Introduction, SC24-5911*
- *z/OS DCE Messages and Codes, SC24-5912*
- *z/OS DCE Planning, SC24-5913*
- *z/OS DCE User's Guide, SC24-5914*

z/OS Distributed File Service Customization, SC24-5916, and *z/OS Distributed FileService Administration, SC24-5915*, are being deleted from the DFS library. They contained a high proportion of information about DCE, which is a product no longer supported by IBM. The remaining information from these books will be moved to *z/OS Distributed File Service SMB Administration* and *z/OS Distributed File Service zFS Administration*.

IBM z/OS Softcopy Collections



- Used:
 - As the basis for our Internet Library
 - To populate local repositories
 - For standalone access, and **emergencies**

- Distributed with
 - IBM Softcopy Reader
 - IBM Softcopy Librarian

- The DVD simplifies softcopy management — as users switch levels of the system, they simply switch DVDs (i.e. z/OS V1R11)

- SoftCopy Librarian is used to update local repositories directly from Boulder

- Now contain Indexed PDFs (PDFs with the power of BookManager search)

Softcopy Collection Update

Availability and refresh schedule



z/OS Release	Latest update available
z/OS Release 11 CD, DVD and Internet Library	September 25, 2009 Refresh April 2, 2010
z/OS Release 10 CD, DVD and Internet Library	September 26, 2008 Refresh April 3, 2009
z/OS Release 9 CD, DVD and Internet Library	September 28, 2007 Refresh April 4, 2008

**Starting with z/OS Release 6, annual product release cycle -
at least one softcopy refresh, typically 6 months after GA.**

Softcopy Update: Priced z/OS documentation features

The following priced features are *subscriptions* and include automatic shipment of collection updates while z/OS V1 is orderable.

Order feature by collection title

z/OS V1Rx & Software Products DVD Collection (SK3T-4271)

- Includes a single release of z/OS plus related z/OS software product libraries.
- Includes both PDF and BookManager formats, when available.
- BookManager and PDF formats ship on separate DVDs in the collection
- Includes selected IBM Redbooks, in PDF format, related to z/OS and other System z products.
- Includes the contents of the zFavorites for zSeries..
- **Requires a DVD drive that can read disks in DVD-9 (single-sided, dual layer format).**

IBM eServer Redbooks (SK3T-7876)



z/OS Hot Topics Newsletter

- **Easy-to-use, hands-on, technical information not often found in standard z/OS product references.**
- **Articles by z/OS designers, testers, developers and service.**
- **Emphasis on presenting technical information in a lively, informal manner.**
- **Published semi-annually to coincide with the SHARE user conference.**
- **Latest issue: GA22-7501-20, issue 24**
Learn how the zEnterprise System is transforming the world.





hundreds of articles online at the Hot Topics website

The screenshot displays the IBM z/OS Hot Topics website interface. On the left is a navigation menu with categories like 'z/OS', 'About z/OS', 'Software', 'How to Buy', 'Migration & Installation', 'News', 'Support', 'Downloads', 'Education', 'Library', and 'Contact z/OS'. Below the menu are 'Related links' for business partners and developers. The main content area features a 'z/OS Hot Topics issue 23 is now available!' announcement, a 'Latest issue' section for issue #23 (August 2010) with a featured topic on business resiliency, and a 'Hot Spotlight' section with a web article on TPC-R on z/OS. A 'Previous z/OS Hot Topics and Hot Spotlight articles' section lists issues #22, #16, #15, and #14, each with a featured topic and a thumbnail image. On the right side of the page, there is a vertical list of newsletters from February 2008 back to February 2006, each with a thumbnail and a featured topic.

z/OS Hot Topics
Learn about key z/OS topics and features

z/OS Hot Topics issue 23 is now available!

Latest issue
z/OS Hot Topics Newsletter #23 (PDF 10.6MB) August 2010
GA22-7501-18
Featured topic: Face to face with business resiliency and problem determination.

Hot Spotlight
Our Hot Spotlight section features Web articles (not included in the latest issue of the z/OS Hot Topics newsletter) that provide great information on a host of System z topics.
Web article 07/22/10
Mirror, mirror (on the site): Deployment scenarios for TPC-R on z/OS
Learn how to deploy TotalStorage Productivity Center for Replication (TPC-R) in your z/OS enterprise by Nick Clayton.

Previous z/OS Hot Topics and Hot Spotlight articles

z/OS Hot Topics Newsletter #22 (PDF 4.50MB) March 2010
GA22-7501-18
Featured topic: Nothing gets past z/OS! Security and auditing
See answers to the [issue 22 crossword puzzle](#).
Driving home the mainframe memories: Forty-four years of disk-drive development (PDF 103KB)
John Eells continues his mainframe retrospective with our third installment about the history of IBM disk drives.

z/OS Hot Topics Newsletter #18 (PDF 4.22MB) February 2008
GA22-7501-14
Featured topic: RAS to the Rescue - Stand-alone dump best practices

z/OS Hot Topics Newsletter #17 (PDF 4.10MB) August 2007
GA22-7501-13
Featured topic: Meet zIIP and zAAP IBM's specialty processors

z/OS Hot Topics Newsletter #16 (PDF 3.71MB) February 2007
GA22-7501-12
Featured topic: All things data

z/OS Hot Topics Newsletter #15 (PDF 3.19MB) August 2006
GA22-7501-11

z/OS Hot Topics Newsletter #14 (PDF 9.27MB) February 2006
GA22-7501-10
Featured topic: z/OS: Simply secure

http://www.ibm.com/systems/z/os/zos/bkserv/hot_topics.html



Your feedback is important to us

- **Do you have a favorite z/OS function or product that you want to learn more about?**
- **Have you found any recent articles to be especially helpful?**
- **Would you like to see more articles about System z hardware, such as specialty engines and storage devices?**
- **Are there other themes that you'd like us to devote an issue to?**

Drop us a line and let us know at newsletr@us.ibm.com

(the e-mail address is posted inside the front cover of every issue)

Our Documentation Surveys – We listen to you



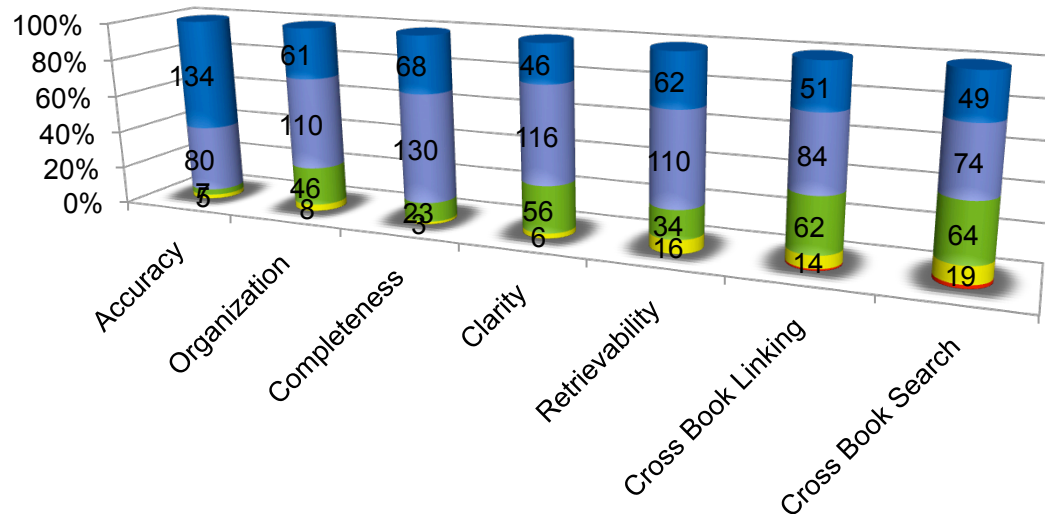
About our z/OS Documentation Surveys

- The surveys are distributed twice a year at SHARE. Typically we collect 250 to 300 surveys
- We use them to:
 - Track the quality and get feedback on our current information deliverables
 - Help us direct our documentation strategy to serve you best
 - Gather requirements for future deliverables

On a scale of 1-5 where:

- 1 = Very Dissatisfied
- 2
- 3
- 4
- 5 = Very Satisfied

Rate z/OS Documentation on the following qualities

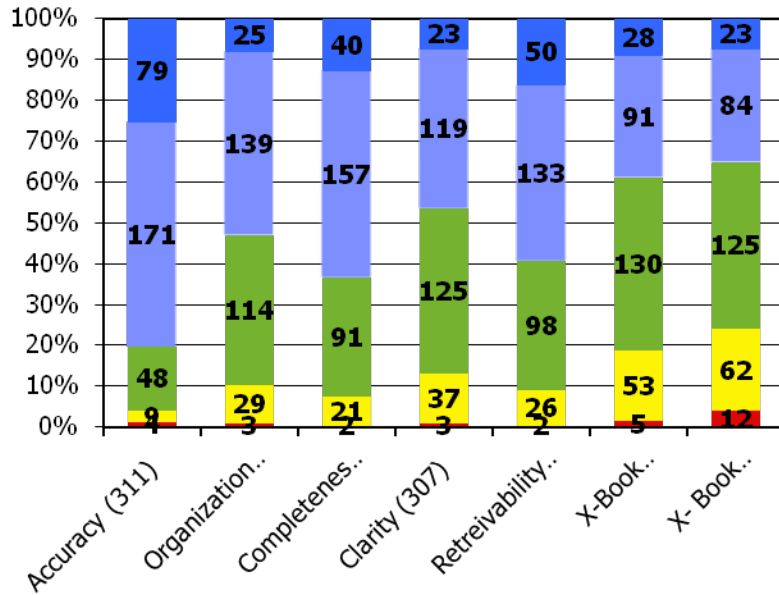


Our Scorecard

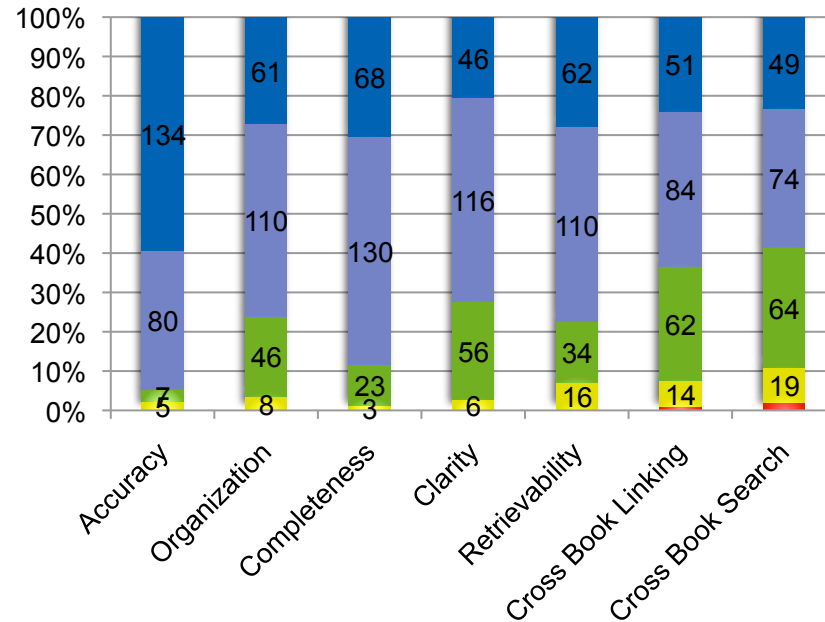
- An example of how we track our quality.
- These charts show how our customer satisfaction has improved over time.

On a scale of 1-5 where:

- 1 = Very Dissatisfied
- 2
- 3
- 4
- 5 = Very Satisfied



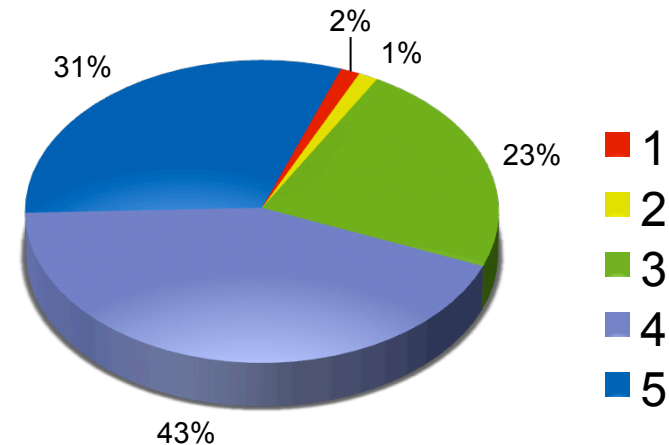
2003 Survey Data



2009 Survey Data

Rate your satisfaction with BookManager's PDF search

- For a long time, customers requested a PDF search that was as robust as BookManager, so two years ago, we introduced IBM Advanced Linguistic Search for PDF, which uses BookManager indexing to improve PDF search.
- It takes time for customers to discover new offerings. (It was 5 years before LookAt was well known).
- PDF search is extra effort for ID shops and we wanted to know if it was worth the effort in continuing to produce indexed PDFs.
- This chart shows that PDF search is an overwhelming success and so we will continue to deliver it.



Listening to the customer

A sample of the improvements made over time as a result of SHARE feedback

z/OS Customer Requirements	Deliverables
Help me manage softcopy documentation	Softcopy librarian and DVD collections XKS support to manage PDFs
Give me access to information on the go.	Hand-held support for Library Server
Make it easy to find message information	LookAt and LookAt mobile
Faster access to command information	Command filtering in library centers
Provide a BookManager like search for PDF	The IBM Advanced Linguistic Search for PDF and z/OS base indexed PDFs
Provide a central repository for all z/OS information	z/OS Library Centers contain base, plus software products information
I want to Google z/OS information	We delivered the z/OS Information Centers indexable by Google
Free education materials for the newbie	z/OS Basic Skills Information Centers

Improvements in plan for 2011

Requirement

- Improve information currency
- Provide free education materials for people new to z/OS
- Enable large systems thinking at universities
- Improve search

Deliverables

- Optimize for Information Center delivery to improve information currency
- Continuing investment and growing z/OS Basic Skills IC
- Continuing investment in the Academic Skills Initiative
- Provide personal shelf function and standard search scopes

z/OS Documentation Strategy Tools and Technologies



Recap Documentation Strategy

Today

- **Authoring**
 - SGML (IBMIDDOC)
 - Books and book metaphor

- **Information Formats**
 - BookManager, PDF, Indexed PDFs, HTML via Library Server

- **Distribution**
 - Internet
 - CD Collections
 - DVD Collections

Tomorrow

- **Authoring**
 - XML (DITA - Open)
 - Articles and web metaphor

- **Information Formats**
 - Eclipse-based Information Centers, RSS, PDFs, Indexed PDFs

- **Distribution**
 - Internet
 - DVD

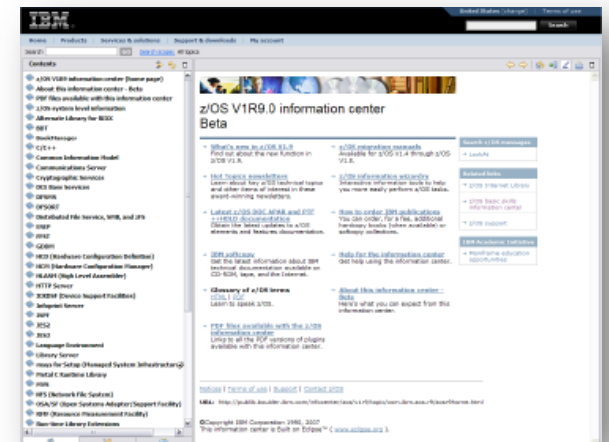
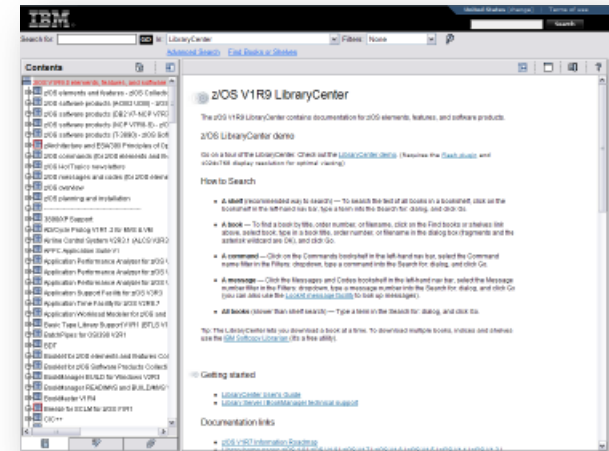
Recap: Information Strategy

- **IBM Library Server**, formerly known as IBM BookServer ships with z/OS and is used to convert BookManager books on the fly to HTML to serve on the internet. It also serves PDF.

- **Library Centers:** are repositories created using Library Server.
- **Example:** z/OS V1R9 Library Center (http://publibz.boulder.ibm.com/bookmgr_OS390/libraryserver/zosv1r9/)

- **IBM Eclipse Help System (IEHS)**, is the new strategic framework for delivering online help, and Information Centers. The content is typically already in HTML format, so you can think of IEHS as a mini website.

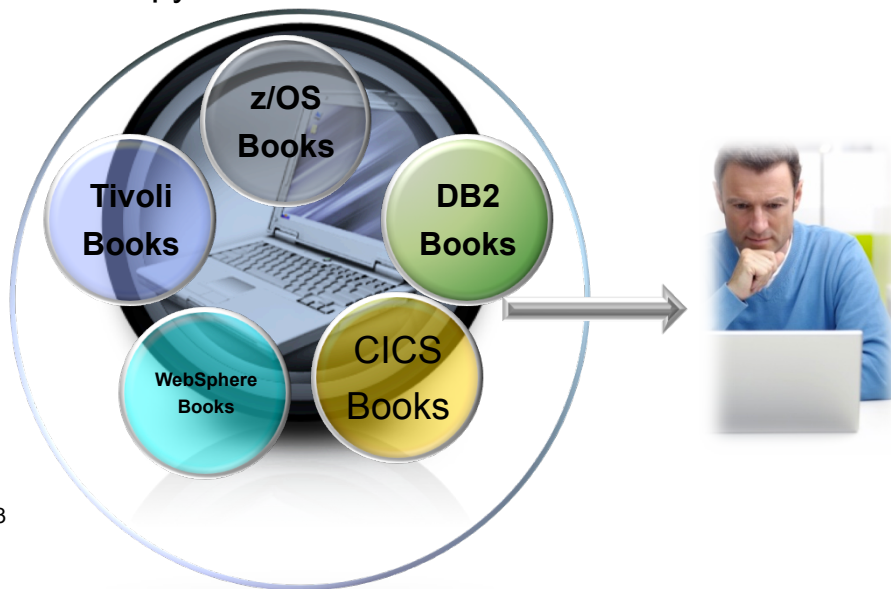
- **Information Centers:** are repositories created using IEHS.
- **Example:** z/OS V1R9 Information Center Beta (<http://publib.boulder.ibm.com/InformationCenters/zos/v1r9/index.jsp>)



Library Center and Information Centers Compared

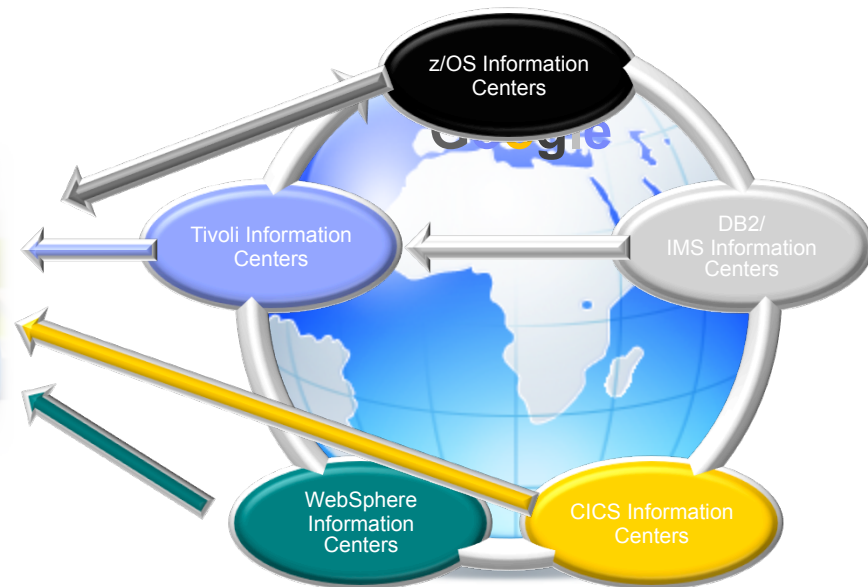
IBM Library Centers (BookManager-based)

- One repository has multiple products
- Not indexed by Google and others
- Within the repository, BookManager search is used.
- Library Center repositories can be updated using IBM's softcopy librarian



IBM Information Centers (Eclipse-based)

- Usually one repository per product
- Can be indexed by Google and others
- Within the repository, Lucene search is used
- Eclipse based repositories have a built in update function



BookManager to Information Center Mapping

BookManager

- Search **shelves** are used to provide filtered searches
- There are shelves by
 - Element and feature
 - Tasks
 - Planning
 - Installation
 - Diagnosis
 - Reference
 - What shelves are used?

Information Centers

- Search **scopes** help narrow search
- Inherent by architecture are the elements and feature scopes
- Currently there are no other specialized scopes
- Are search scopes needed?
- If so what ones are critical?

The z/OS Base Documentation Team's Transition

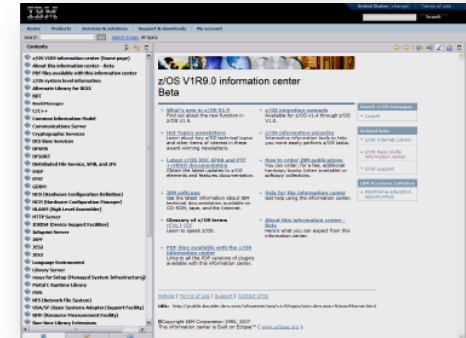
- We plan to maintain traditional deliverables during the transition.
 - Short term we will continue to produce BookManager and PDF
 - We are optimizing for information center delivery
 - If you are unable to move to information centers now, we've added function to Library Server to help
- In 2009, we provided our first production level information center (z/OS R11)
- In 2011, we plan to provide new update function for our information centers
 - **Authoring:**
 - Gradual migration of active from books to topic-based information to DITA
 - **Distribution:**
 - Publish content in Information Centers
 - Distribute DVDs of Information Centers for local install
 - Continue to distribute DVD and CDs (if need) for standalone access



Information Centers are IBM's Strategy to Provide Product Documentation

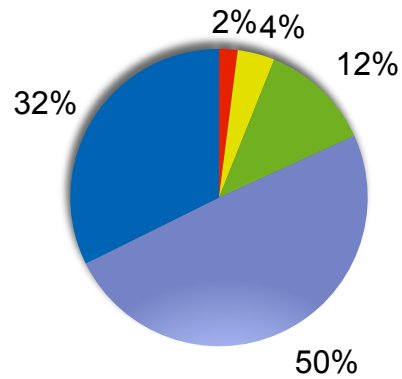
Key Advantages - Information Centers are:

- ✓ Are Internet friendly (easily indexed by Google and other search engines)
- ✓ Are non-proprietary (HTML and XML) makes it easier for ISV integration
- ✓ Have extensible function due to plug-in architecture
- ✓ Can take advantage of ever evolving internet technologies:
 - ✓ The Semantic Web
 - ✓ Collaboration
 - ✓ Web 2.0 and so on
- ✓ Can easily incorporate interactive elements such as, wizards, calculators, dynamic tables, and multimedia
- ✓ Modular, article-based information rather than books will make it easier to create solution-oriented information
- ✓ Easier and faster updates to improve content quality and correct errors
 - ✓ Higher customer sat
 - ✓ Lower incidence of outages due to doc APARs
 - ✓ Might lead to lower service costs
- ✓ Internally, they are useful for Agile development projects, because they can provide be rebuild weekly or in some cases, even daily to provide all teams with the most current information.

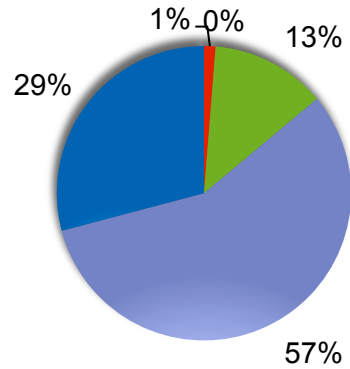


Information Center Acceptance

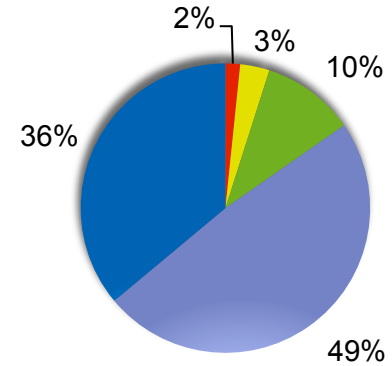
z/OS CICS Information Centers



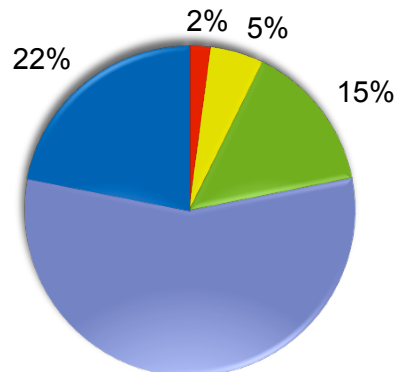
z/OS DB2 Information Centers



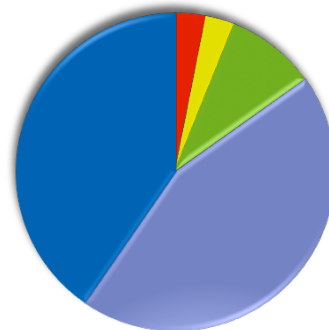
z/OS Basic Skills IC



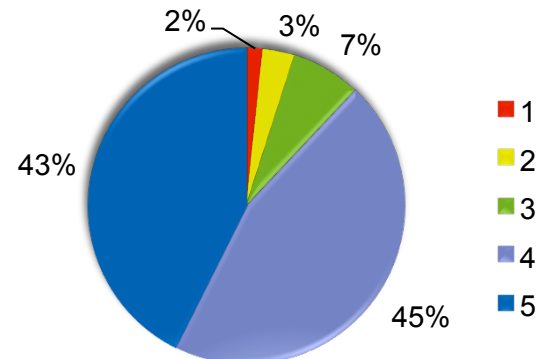
z/OS WebSphere Application Server IC



z/OS R9 Information Centers Beta



IBM Systems Information Centers



- 1
- 2
- 3
- 4
- 5

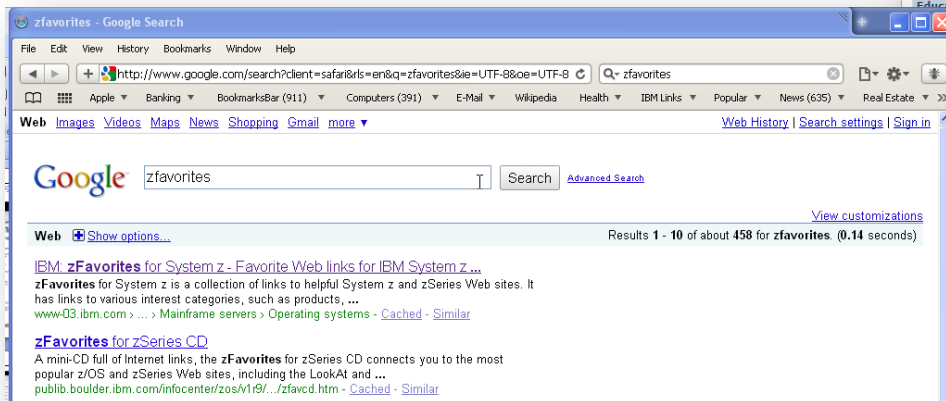


z/OS Library Online



Finding the z/OS Internet Library

- Google “zFavorites” and pick the top hit
- Scroll or click Product Documentation
- Pick z/OS Internet Library



Searching the z/OS Internet Library

- The z/OS Internet Library features both **Information Centers** and **Library Centers**. The Information centers are eclipse based, the Library Centers are driven by IBM's Library Server
- Currently, Information Centers have content on just the base or typically a single product.
- Library Centers have both the base and software products
- Google does a great job pulling the content together today, but we are working on ways to broaden and customize the content for our customers.
- The top search boxes highlighted in turquoise use Information Center search to locate information
- The bottom section shown in green, uses BookManager technology



The screenshot shows the IBM z/OS Internet Library website. The page title is "z/OS Internet Library". The main content area is divided into several sections:

- z/OS Internet Library terms and conditions:** A link to "Please read and accept our terms and conditions before using the z/OS Internet library."
- z/OS Information Center Search:** A section with two search boxes highlighted in turquoise. The first search box is for "Search all z/OS V1R12 Elements and Features Documentation" and the second is for "Search all z/OS V1R11 Elements and Features Documentation". Both have "Search" buttons.
- Search:** A section highlighted in green, containing a list of search options:
 - Messages and codes using LookAt
 - Publication titles, filenames, and order numbers (all publications)
 - Publication titles, filenames, and order numbers by z/OS release V1.12 | V1.11 | V1.10 | V1.9 | V1.8 | V1.7
 - Publication text by z/OS release V1.12 | V1.11 | V1.10 | V1.9 | V1.8 | V1.7 | V1.6 | V1.5 | V1.4
 - Bookshelf titles and filenames
- z/OS elements and features publications:** A section with two search options:
 - Book 1.12 | 1.11 | 1.10 | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 | 1.3 | 1.2
 - PDF 1.12 | 1.11 | 1.10 | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 | 1.3 | 1.2
- Related links:** A section on the right with links to:
 - Index to IBM information centers
 - z/OS V1R10.0 information center - Beta
 - z/OS V1R9.0 information center - Beta
 - z/OS Management Facility (z/OSMF) publications
 - z/OS.e Internet Library
 - Java on z/OS reference information
- New to z/OS?:** A section with a link to "z/OS basic skills information center".
- Introduction to the New Mainframe series:** A link at the bottom right.

BookManager Shelves

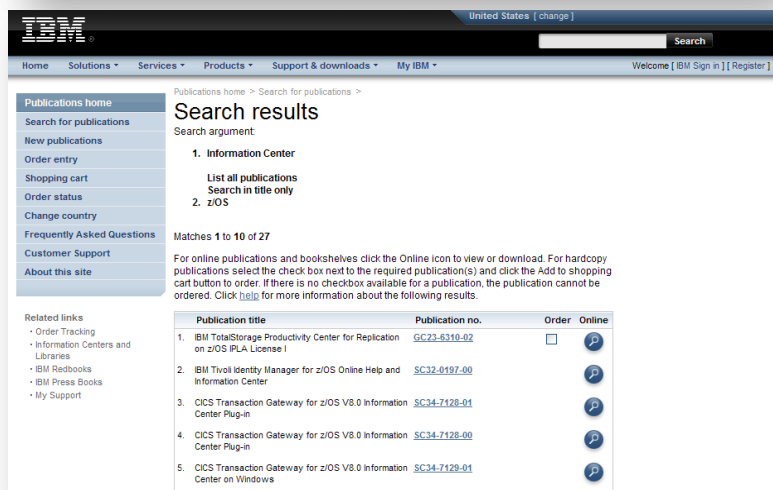
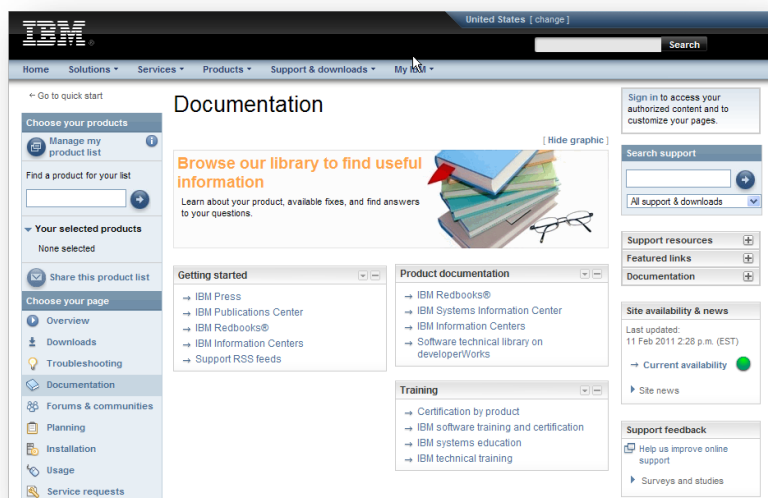
- The internet library is based on our collection kits. There are 45 + bookshelves to help you narrow your search. There are task oriented shelves such as installation and migration.
- The library is also filtered by z/OS release, so you can pick the release or releases you're running.
- There are specialized searches for messages using our LookAT message lookup facility.
- There is a special shelf for APARS or both z/OS and OS/390
- If you know the title or form number of your book, you can use it to go directly to the book.

The screenshot shows the IBM BookManager website interface. At the top, there is a navigation bar with the IBM logo, a search bar, and links for Home, Solutions, Services, Products, Support & downloads, and My IBM. Below the navigation bar, the page title is "z/OS V1R11.0 elements and features publications". The main content area features several sections:

- z/OS V1R11.0 Information Roadmap**: Includes a "Search text" field and a "Browse" link.
- z/OS V1R11.0 elements and features bookshelf**: Includes links for "List books", "Download shelf", and "Download shelf index". It has two search input fields with "Search titles" and "Search text" buttons.
- List all z/OS V1R11.0 elements and features bookshelves**: A link to view all bookshelves.
- Adobe® Acrobat® PDFs**: Includes links for "z/OS V1R11.0 elements and features publications" and "z/OS software products publications".
- z/OS V1R11.0 overview bookshelf**: Includes links for "List books", "Download shelf", and "Download shelf index". It has two search input fields with "Search titles" and "Search text" buttons.
- z/OS V1R11.0 planning and installation bookshelf**: Includes links for "List books", "Download shelf", and "Download shelf index". It has two search input fields with "Search titles" and "Search text" buttons.

At the bottom of the page, there is a "Contact z/OS" section with a form for sending questions and comments, and a footer with a copyright notice for IBM Corporation.

Finding Information Centers



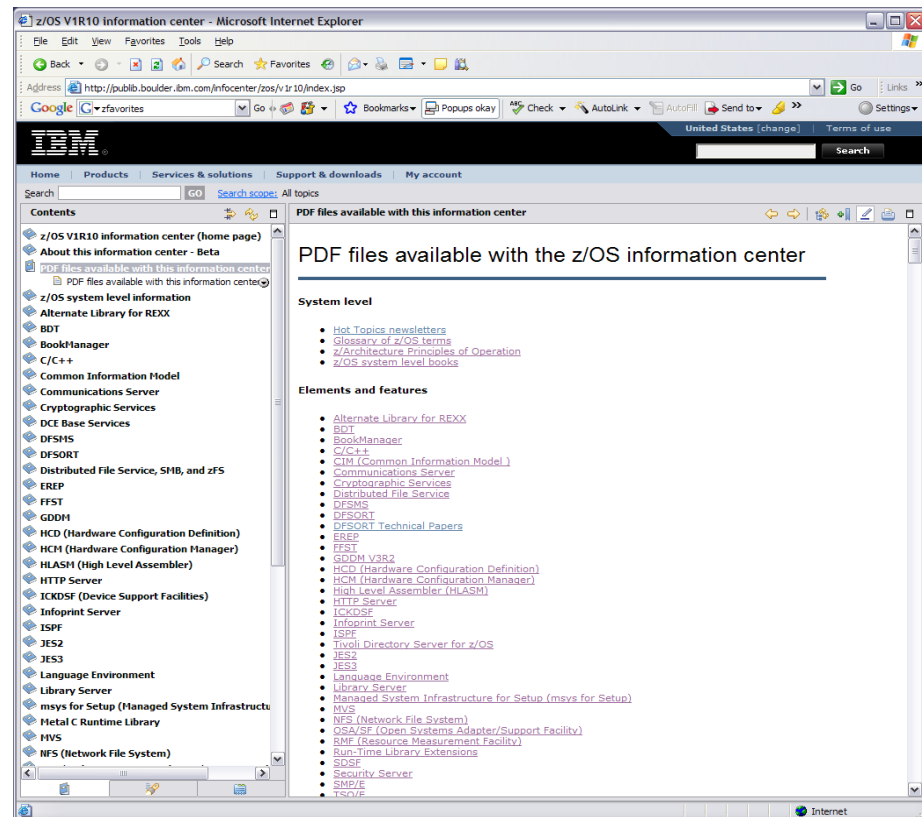
- To find all IBM information centers:
- **For online access**, go to www.ibm.com, pick support and downloads, documentation, (if a support portal pops up, click on continue to get to the main documentation page)
- Once on the “Documentation” page click on information centers and scroll to find the IC of interest.
- **For local access** you can obtain information center DVDs. Go to the IBM Publication Center (you can Google it). Select your language, then search on “Information Center” (not plural) then refine the search by looking for the product name (z/OS, WebSphere and so on)

Information Roadmap to Documentation and Information Centers for System z

Product	URL
All Products	http://www.ibm.com/support/publications/us/library/
CICS Server	http://publib.boulder.ibm.com/infocenter/cicsts/v4r1/index.jsp
CICS Gateway	http://publib.boulder.ibm.com/infocenter/cicstgzo/v7r2/index.jsp
DB2 / IMS	http://publib.boulder.ibm.com/infocenter/dzichelp/v2r2/index.jsp
Lotus	http://www-01.ibm.com/software/lotus/support/information-centers/
Rational Developer	http://www-01.ibm.com/software/awdtools/rdz/library/index.html
Tivoli (Index)	http://www.ibm.com/developerworks/wikis/display/tivolidoccentral/Home
Lotus Notes	http://www.ibm.com/developerworks/lotus/documentation/notes/?S_TACT=105AGX13&S_CMP=LP
WebSphere	http://www-01.ibm.com/software/webservers/appserv/was/library/v70/was-zos/
z/OS V1R11	http://publib.boulder.ibm.com/infocenter/zos/v1r11/index.jsp
z/OS Internet Library	http://www-03.ibm.com/systems/z/os/zos/bkserv/
z/VM	http://publib.boulder.ibm.com/infocenter/zvm/v5r4/index.jsp

The Basics: Using the z/OS Base Library Information Centers

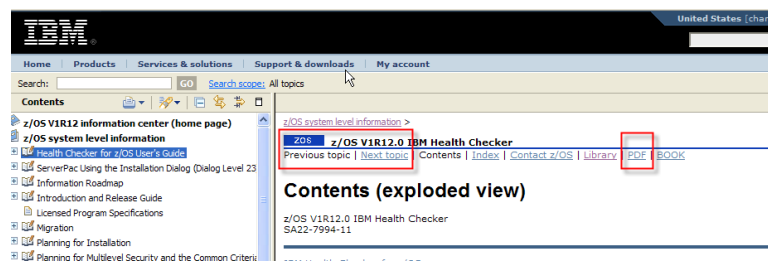
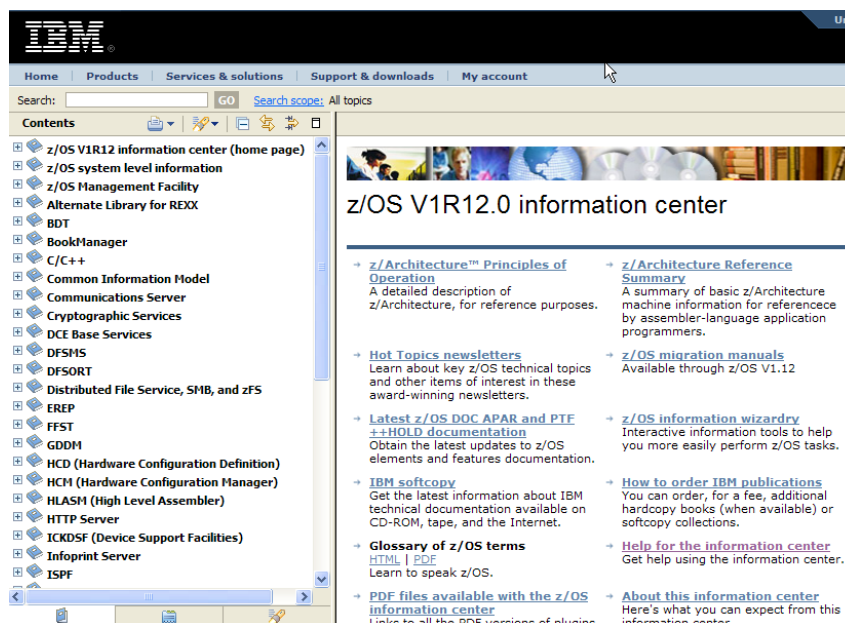
- All information centers have a listing of all PDFs for all the books
- All of the PDFs in the z/OS Base Library are indexed and searchable using the IBM Advance Linguistic Search
- This search was developed by BookManager and was requested on many surveys. Customers liked the visual presentation that PDFs offered, but wanted the robust search that BookManager format offered.
- Note: z/OS Library Server can be used to index well structured PDFs that have a table of contents.
- Library Server also has the ability to index eclipse information plug-ins.



<http://www-01.ibm.com/support/docview.wss?uid=swg24024554>

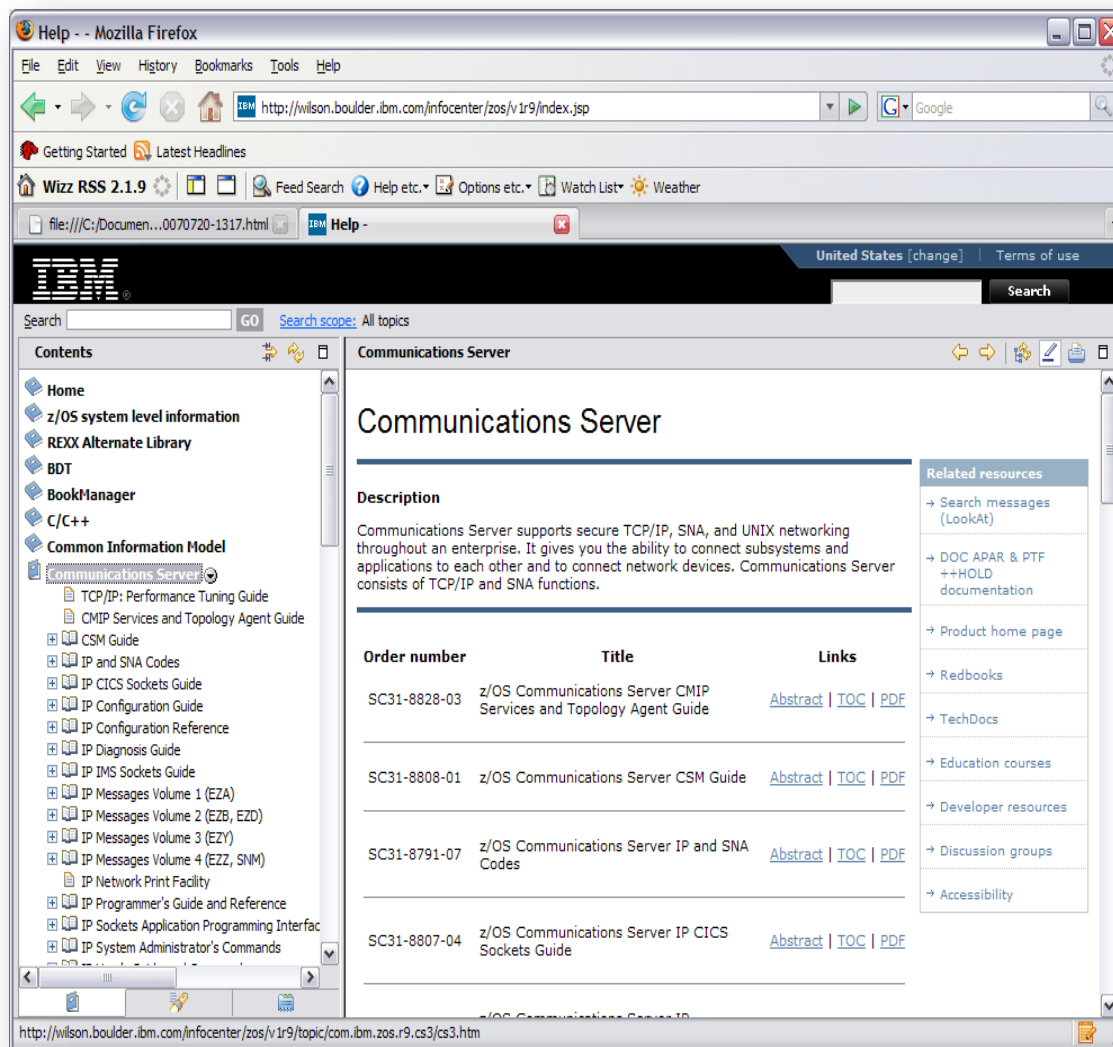
Navigating the z/OS V1R12 Information Center

- Much like the BookManager based Library Centers, we architected our Information Center to be structured by element or feature.
 - This helps users who are familiar with the z/OS library.
 - The arrangement by element and feature makes it easy to do scoped searches that correspond to BookManager shelf search by element.
 - Each “plug-in” includes all the information for that element arranged by their corresponding book titles for familiar navigation.
 - Familiar and popular BookManager Library Server functions such as page forward and backward, PDF download from the menu bar have been added to the z/OS information center to make the transition to Information centers easier



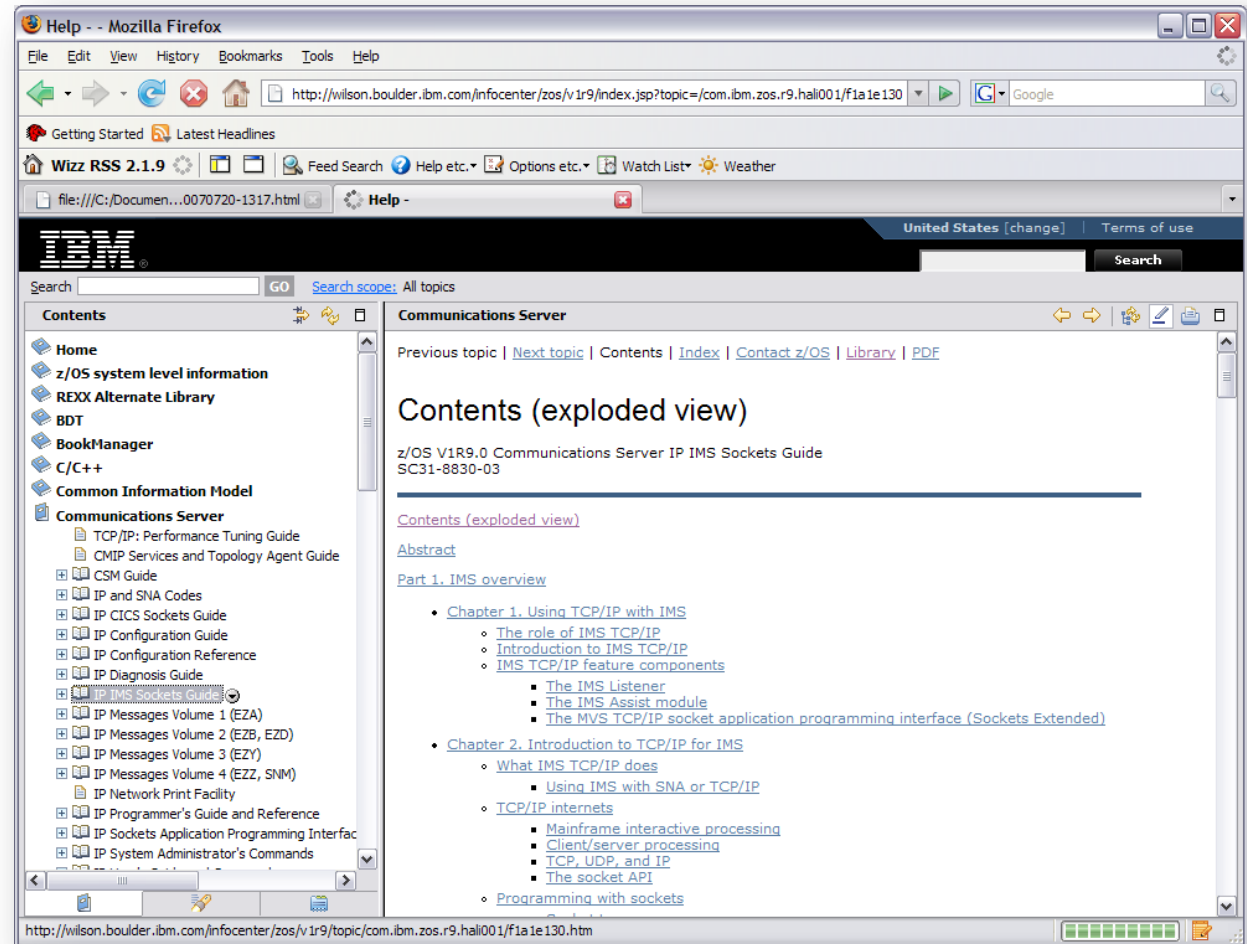
Element/Shelf Level View

- Each element page has a welcome page listing:
 - A description
 - A list of all the publications and each publication has a link to
 - An Abstract
 - Book table of contents
 - A link to the corresponding PDF to make it easy to download.



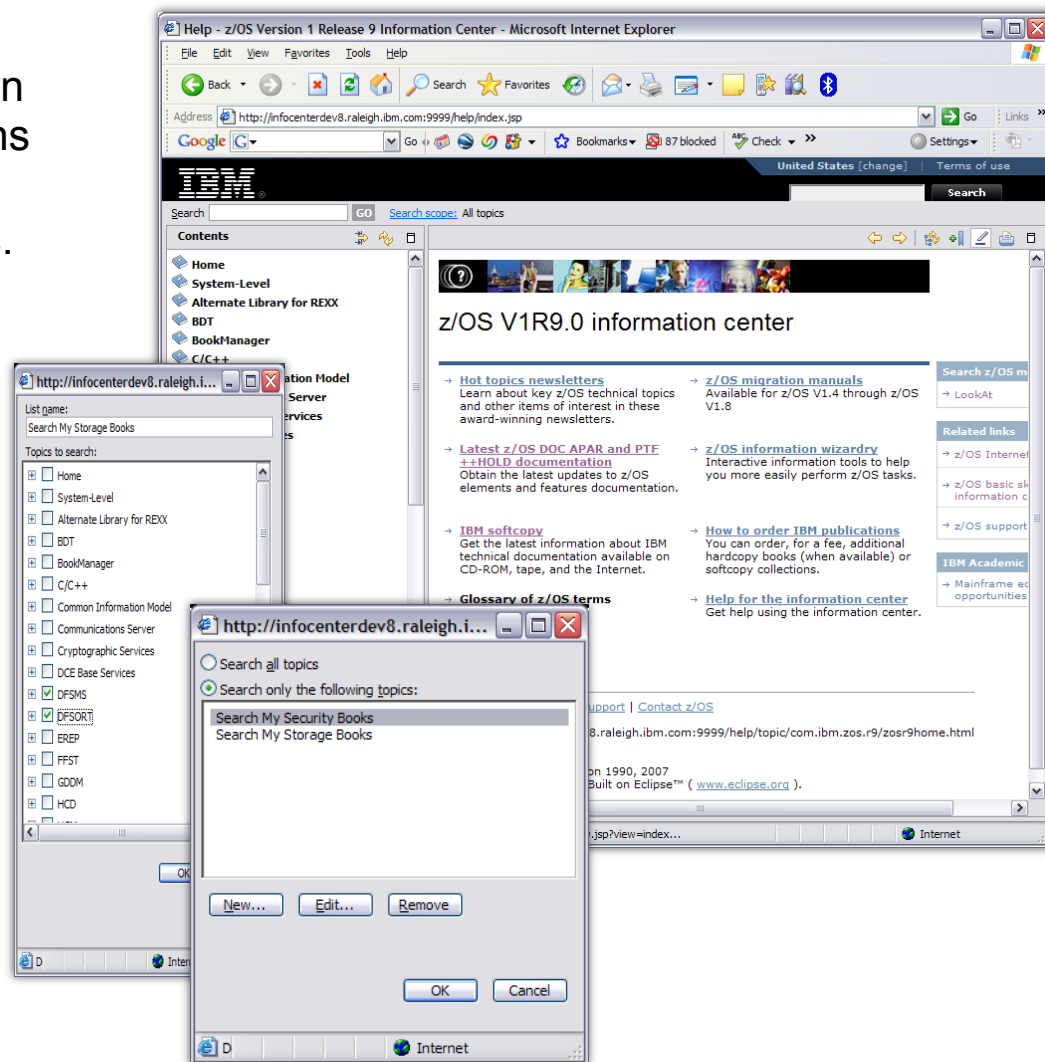
Navigating the Plug-ins

- Navigation provided along the top
- The contents pane is automatic synchronized with the table of contents pane so you always know where you are.
- Page URL clearly displayed at the bottom of each page makes it easy to book mark or e-mail the exact location in the Information Center



Re-usable search scopes to help you find things faster

- You can think of search scopes as your own personal bookshelves. They are collections of plug-ins that can be composed of individual books or whole libraries of books.
- Search scopes are easily created and you can easily modify them.

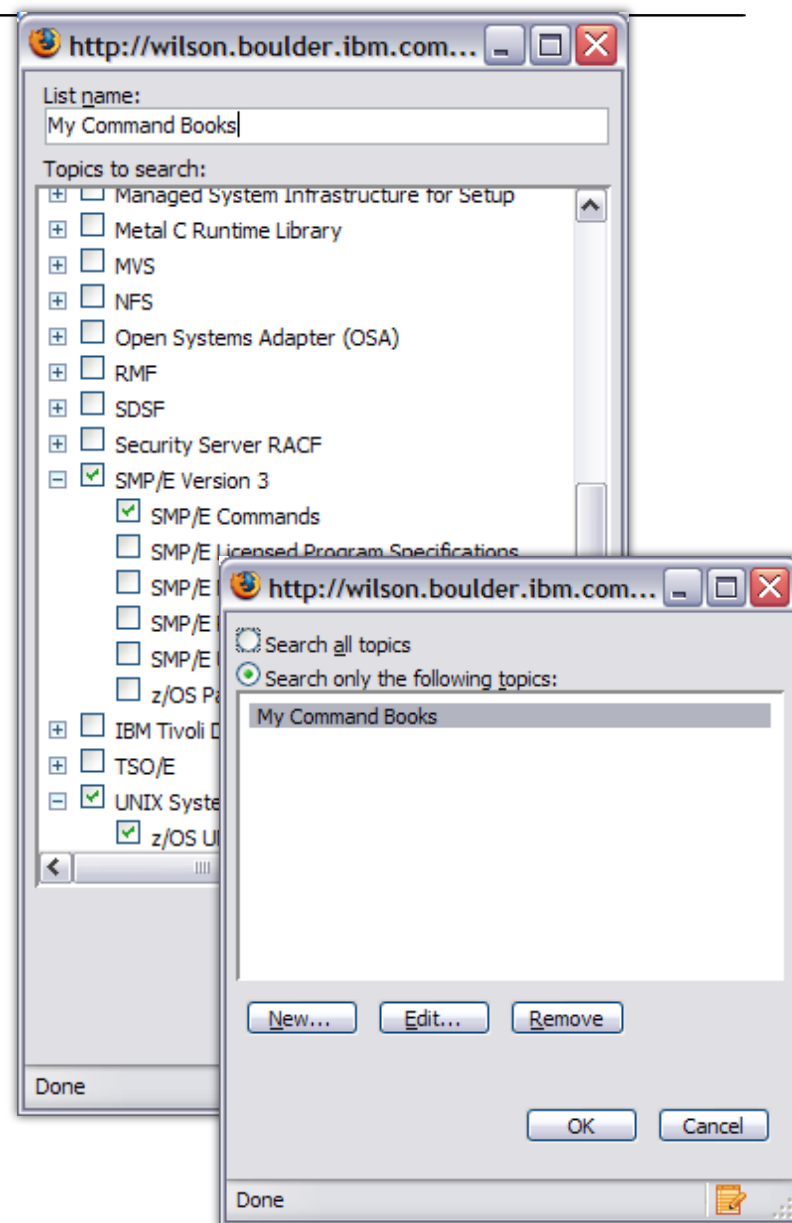


Create re-usable search scopes

These can be created on the fly and saved for future use. They are similar to BookManager bookshelf searches.

1. Click on search scope
2. Click on “new”
3. Name your search to make it easy to remember “My Command Books”
4. Use the check boxes to select the plug-ins/shelves. Or click on the plus signs to drill down to individual books.
5. Click OK when to close the selection box.
6. Click OK again to return to the Information center and notice that beside search scope it now the name of the search scope you defined (My Commands)
7. Enter your search term in the search dialog and click go.

You can create as many search scopes as you wish. Delete them when you don't need them anymore.



Use the quick menus to search or review and print just one plug-in

The screenshot displays the IBM System z V1R9.0 information center website. On the left, a navigation menu lists various topics such as Common Information Model, Communications Server, Cryptographic Services, DCE Base Services, DFSMS, DFSORT, Distributed File Service, SMB, and zFS, EREP, FFST, GDDM, HCD (Hardware Configuration Definition), HCM (Hardware Configuration Manager), HLASM (High Level Assembler), HTTP Server, ICKDSF (Device Support Facilities), Infoprint Server, ISPF, JES2, JES3, Language Environment, Library Server, msys for Setup (Managed), Metal C Runtime Library, MVS, NFS (Network File System), OSA/SF (Open Systems Adapter/Support Facility), and RME (Resource Measurement Facility). The 'Language Environment' item is circled in red, and a tooltip labeled 'Open Quick Menu' is visible over it.

The main content area features a search bar and a 'GO' button. Below the search bar, there is a 'Contents' section with a list of topics: Common Information Model, Communications Server, Cryptographic Services, DCE Base Services, DFSMS, DFSORT, Distributed File Service, SMB, and zFS, EREP, FFST, GDDM, HCD (Hardware Configuration Definition), HCM (Hardware Configuration Manager), HLASM (High Level Assembler), HTTP Server, ICKDSF (Device Support Facilities), Infoprint Server, ISPF, JES2, and JES3. A 'Print this topic' menu is overlaid on the bottom right of the main content area, with options: 'Print this topic', 'Print this topic and subtopics', 'Search this topic', and 'Search this topic and subtopics'.

The right side of the page shows the 'z/OS V1R9.0 information center (home page)' with a banner for 'z/OS V1R9.0 information center Beta'. Below the banner, there are several links and descriptions: 'Hot topics newsletters' (Learn about key z/OS technical topics and other items of interest in these award-winning newsletters.), 'Latest z/OS DOC APAR and PTF ++HOLD documentation' (Obtain the latest updates to z/OS elements and features documentation.), 'IBM softcopy' (Get the latest information about IBM technical documentation available on CD-ROM, tape, and the Internet.), and 'Glossary of z/OS terms' (Learn to speak z/OS.).

Tour of the DB2/IMS Information Center by Ann Hernandez



IBM Information Management Software for z/OS Solutions Information Center

One information center with product documentation DB2 for z/OS and IMS, as well as documentation for many of the Information Management software that you might be using in the z/OS environment

Wide adoption by users:

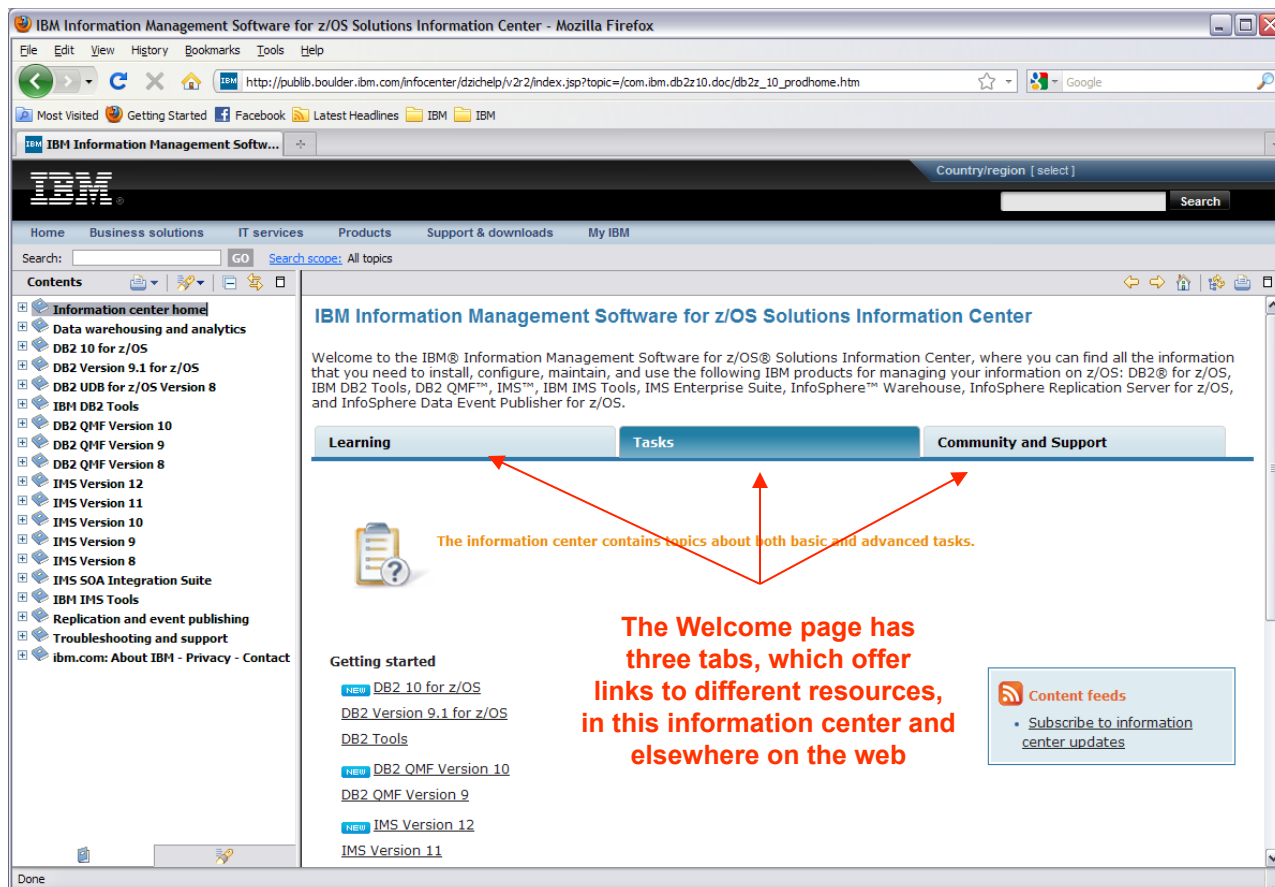
- Most visited IBM information center
- 10.45 million hits in January 2011!
- 18% growth 4Q09 -> 4Q10

Navigation on left lists the products:

- Data Warehousing and analytics
- DB2 for z/OS (V10, 9, 8)
- DB2 Tools (multiple)
- DB2 QMF (V10, 9, 8)
- IMS (V12, 11, 10, 9, 8)
- IMS SOA Integration Suite
- IMS Tools (multiple)
- Replication and Event Publishing
- Troubleshooting and Support

Optimized for Google search

- Most of our accesses come from Google



Location: <http://publib.boulder.ibm.com/infocenter/dzichelp/v2r2/index.jsp>

IBM Information Management Software for z/OS Solutions Information Center

Most information is written in “topic” form, not “book” form.

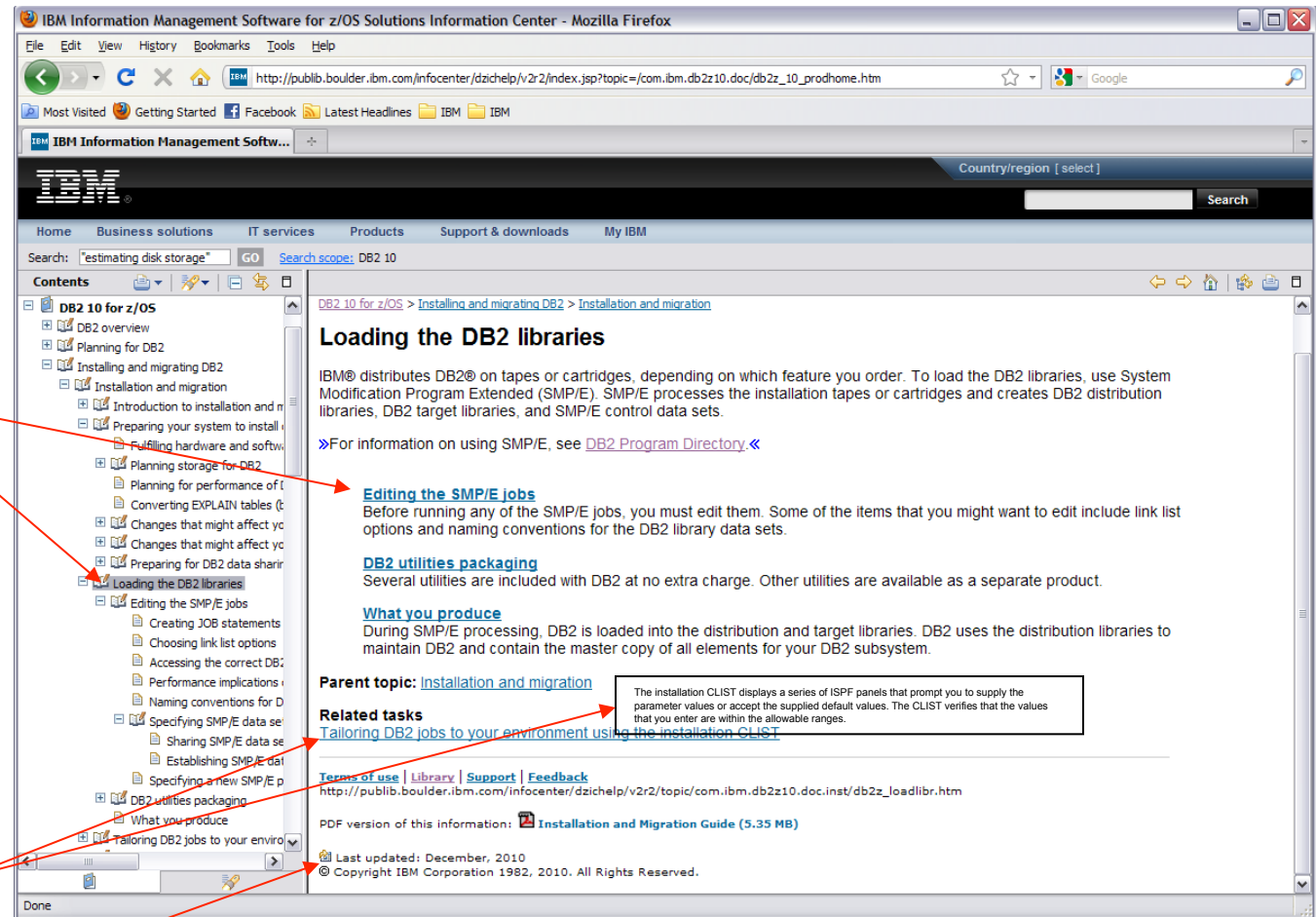
Each topic can stand on its own and does not need to be read in a certain sequence.

Container topics include “child” links to subordinate topics.

Text that is blue and underlined represents a live link.

Many topics include links to related topics. You can hover over these links to see a short description of the other topic.

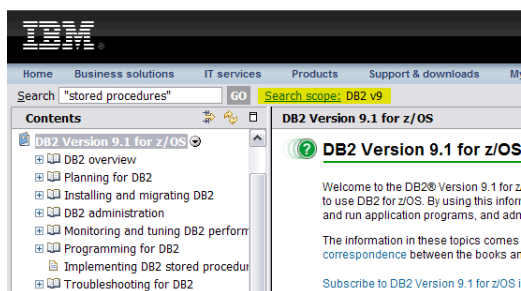
Information is updated often. Last update date is in topic footers.



IBM Information Management Software for z/OS Solutions Information Center

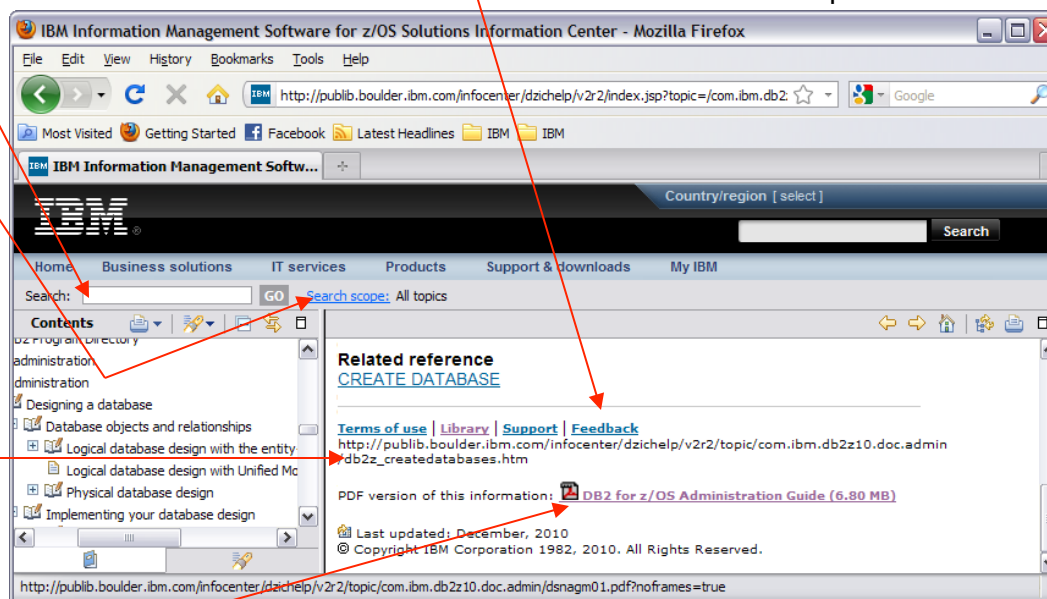
Search:

- You can search the whole information center.
- You can define a search scope to limit a search to a subset of the information in the information center.



Feedback:

Feedback link in topic footers sends your feedback directly to the writing team for that product.



Web address of individual topics:

- The browser window displays the URL of the information center, not of the individual topic.
- The footer of each topic includes the URL of that specific topic so you can copy and paste it in notes and other documents.

Format of information:

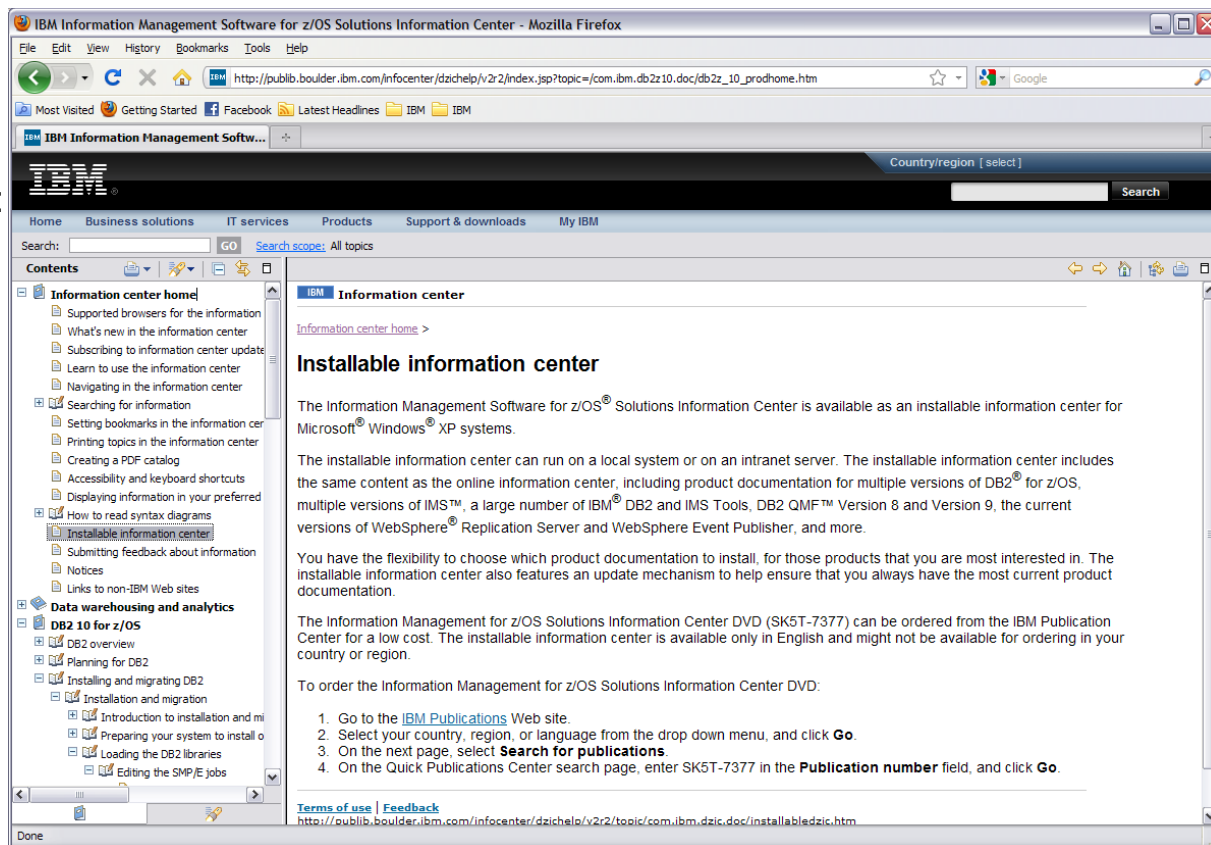
- Information center format is the current strategic delivery vehicle for official product information in IBM.
- PDFs are available in topic footers.
- BookManager format, which has been available in the past, is not being delivered for DB2 10 for z/OS, IMS Version 11, or future versions.

IBM Information Management Software for z/OS Solutions Information Center

An installable version of this information center is also available, and you can download refreshed information to your local site.

The installable IC has proved to be very useful to many of our users who:

- Don't have web access at work
- Generally use the web information center but like the flexibility of having product information on their own machine (for work at home, commuting, and so on)



Location: <http://publib.boulder.ibm.com/infocenter/dzichelp/v2r2/topic/com.ibm.dzic.doc/installabledzic.htm>

IBM Information Management Software for z/OS Solutions Information Center

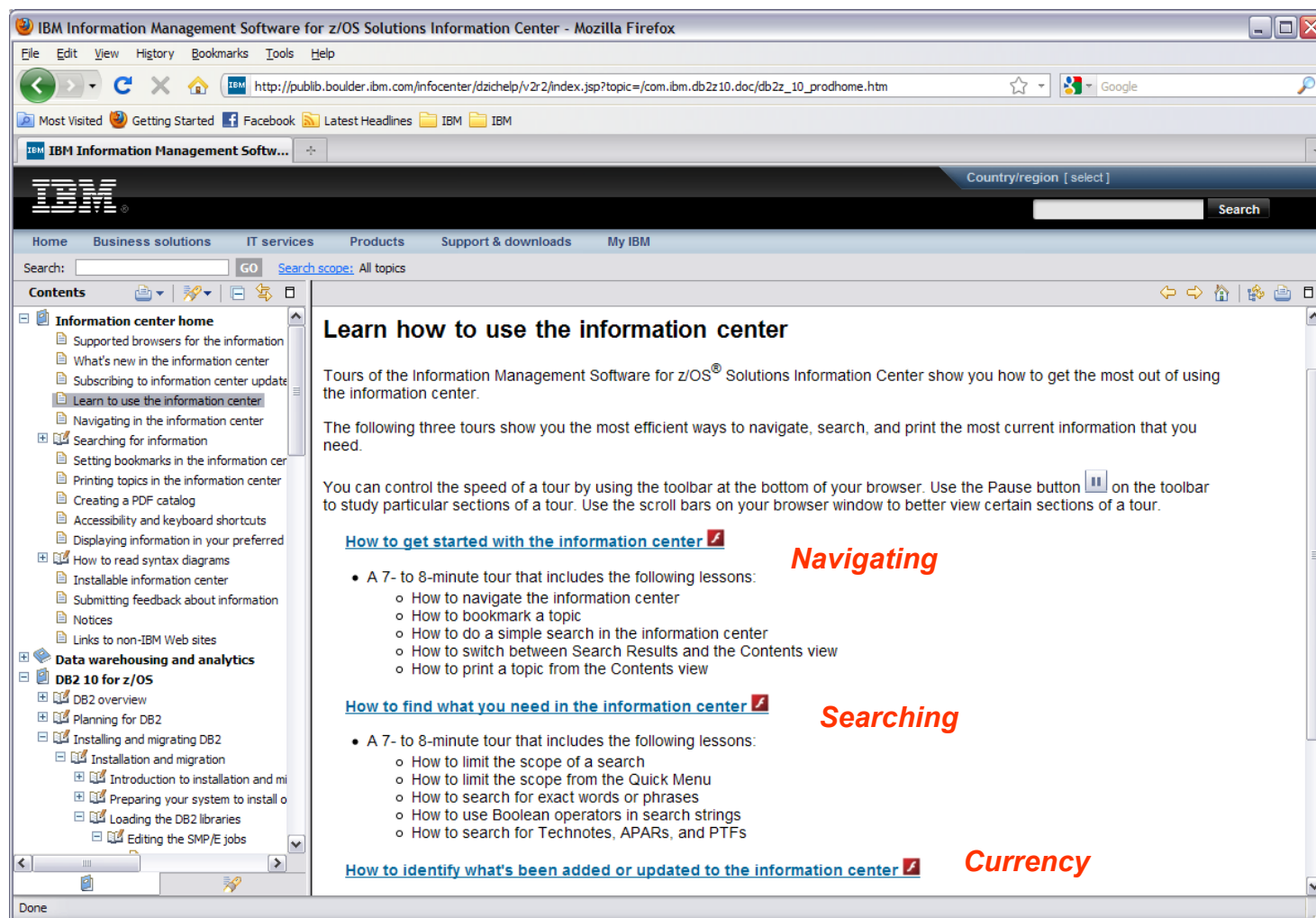
- This information center is not exactly like the z/OS Information Center.
 - All IBM writing teams are trying to work toward corporate strategic guidelines for information delivery, which will give our users the best possible user experience when using information.
 - We might never be 100% consistent, but rest assured that we are all trying to make life easier for you.
- The team that works on the Information Management Software for z/OS Solutions Information Center communicates as often as possible with our product users to find out how to improve the information center.
- If you have any suggestions, click **Feedback** at the bottom of any information center topic and share your suggestions with IBM. If possible, include your name and email address so that we can contact you for additional information if we need it.
- Many of users have grown to love the information center. Here are a few quotes:
 - “I used to just download all the PDFs, but now I’m using the IC more than PDFs.”
 - The information center is a much better product than BookManager. Much easier to navigate and use.”
 - “I prefer the information center because it’s referenced by search engines, and I know I’m looking at the most up-to-date information.”
 - “[This information center is] a great solution for IMS system programmers. We often lose the way in thousands of manuals.”

IBM Information Management Software for z/OS Solutions Information Center

We developed three short tours (7-8 minutes each) that can help you quickly become familiar with how to use this information center most productively.

Location:

<http://publib.boulder.ibm.com/infocenter/dzichelp/v2r2/topic/com.ibm.dzic.doc/dzicviewlet.htm>



IBM Information Management Software for z/OS Solutions Information Center

If you use any of the products in this information center:

- Pick up a printed flyer with usage tips (also available at ftp://ftp.software.ibm.com/software/data/db2/zos/info/IMzOS_InfoCenter_Overview.pdf).
- If you are interested in meeting with members of the writing team for this information center or for any one of the products it includes, bring Ann your business card (or a piece of paper with you name, company, and email address), and she'll give you a free disk with the installable information center for DB2, IMS, and related Information Management software products (while supplies last).

Creating Custom Libraries



February 2010 update

Overview

- Most people have their own private “stash” of documentation for various reasons.
 - There are company or department local area libraries or LALs
 - Many people have their own personal area library or PALs
 - They help:
 - Filter the content to information you need so you can access it faster
 - Local hard drive or flash drive copies are handy for occasions when there is no network or internet access.
 - We will discuss tips for three types of local custom repositories
 - File system based using simple PDF repositories (LAN, intranet or local)
 - Library Server based
 - Easily installed and maintained native on z/OS
 - However, BookManager format is no longer a strategic format
 - Updates are done via softcopy librarian
 - Information Center based
 - Typically installed on a windows workstation
 - It is the current strategic means for information delivery
 - Updates capability is built into the IC framework

PDF repositories

- A set of PDF files in a subdirectory (probably the most popular actually) Two tips here:
 - The z/OS base library has indexed all the PDFs on our collection kits to use the IBM Advanced Linguistic search. Included in each PDF is its own search index. To use it you will need to add the IBM ALS plug-in to your Acrobat reader. For more information see <http://www-01.ibm.com/support/docview.wss?uid=swg24024554>
 - The z/OS PDF files on our collection kits have metadata for book titles included. Change your view options for directories to turn on titles and you will be able to see the title of the PDF rather than just the filename.

Steps to Setting Your Own Repository

▪ Library Server

- Note: It's highly recommended that you start to use Information Centers when you create a repository because they are the strategic direction.
- 1. Get a copy of the appropriate level of [the z/OS softcopy collection](#). The softcopy collection includes all the base plus software products.
- 2. Install IBM Library Server on z/OS according to instructions in the program directory.
- 3. How you set up your file system is up to you. Typically, you'd have these directories
 1. Books
 2. PDFs
 3. Shelves
 4. Cases
- 4. Copy the files from the DVD to your file system
- 5. Run Catalog to re-catalog the add the new BookManager and PDF files. See LS Demo 1.
- 6. If you want to add IC plug-ins to your repository see the IBM Library Server User's Guide (on your DVD for this session)

▪ Information Centers (Recommended)

- Note: Nearly all software products publish only PDF and Information Center format, so it's best to begin to use Information Centers to become familiar with them.
- 1. If you are going to be working with z/OS, get a copy of the [z/OS IC DVD](#) for the level of z/OS you are running. See "How to get content for Information Centers"
- 2. Install the base per instructions on either your own workstation or a department server. The DVDs all use the Windows version of the IC code.
- 3. If you want to add other software products to this instance, use "How to get content for Information Centers"
- 4. See the Appendix article on editing topic maps
- 5. There is no catalog or indexing step, The first search will invoke an indexing of the materials.

Getting CD/DVDs to populate your local repository

- No matter what technology you use to set up a local repository, you order CD and DVDs from the IBM Publication Center
- Once there, you pick a language, then:
 - For BookManager and PDF do a search on “Softcopy Collection”
 - For Information Centers, do a search on “Information Center” (notice no “s”)
 - In both situations you can continue to narrow down your choices by picking search within results and choosing terms like z/OS,
 - Place an order for the CD/DVDs you need.
 - Once they arrive install them according to instruction.

Publications home [Search for publications >](#)

Search results

Search argument:

- Information Center**
List all publications
Search in title only
- z/os**

Matches 1 to 10 of 27

For online publications and bookshelves click the Online icon to view or download. For hardcopy publications select the check box next to the required publication(s) and click the Add to shopping cart button to order. If there is no checkbox available for a publication, the publication cannot be ordered. Click [help](#) for more information about the following results.

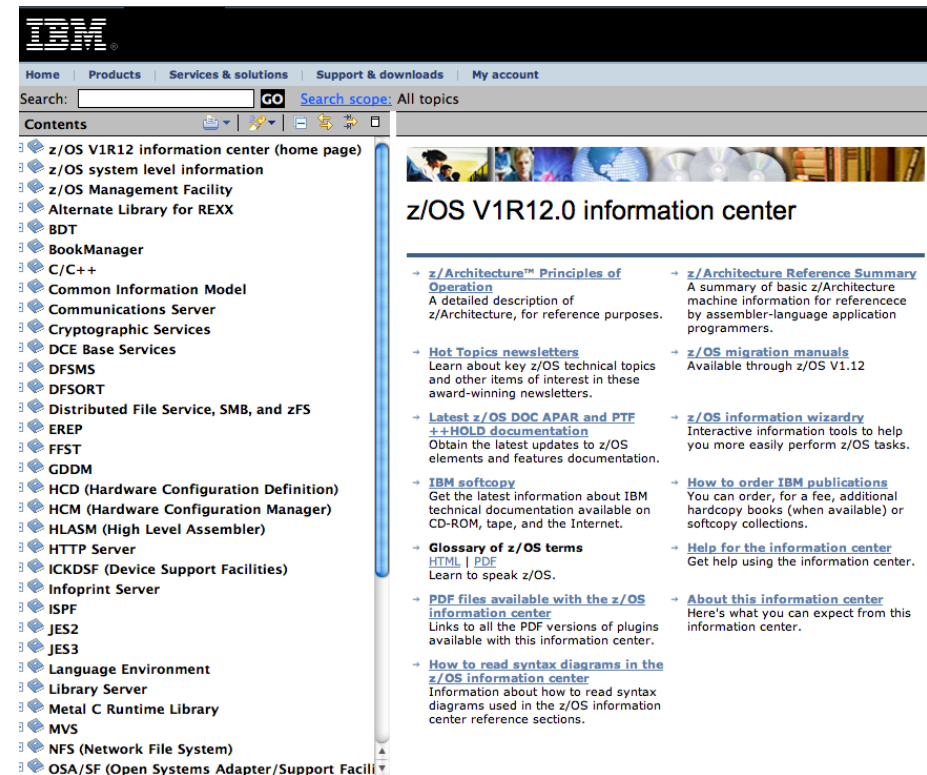
Publication title	Publication no.	Order	Online
1. z/OS V1R10 Information Center DVD Beta, September 2008	SK5T-7089-01	<input type="checkbox"/>	
2. z/OS V1R11 Information Center DVD, September 2009	SK5T-7089-02	<input type="checkbox"/>	
3. CICS Transaction Gateway for z/OS V8.0 Information Center on z/OS	SC34-7132-01		
4. CICS Transaction Gateway for z/OS V8.0 Information	SC34-7132-00		

Customizing Your Local Repository

- Library Server
 - With a Library Server instance adding new content to a repository is as easy as copying the files and re-cataloging it.
 - If you are using IBM Library Server, refer to the IBM Library Server getting started guide to customize your content. Library Server lets you incorporate Information Center plug-ins too.
 - [IBM Library Server Getting Started](#)
- Note:
 - Most people use the internet to look up information, but there are still many z/OS shops rely on a central corporate repository of documentation as backup
 - Library Server runs on z/OS and many systems programmers want whatever they depend on to be on the z/OS platform.
- Information Centers
 - If you decide to use Information Center technology for your repository. You may decide to create one master repository of just the content you need. Information plug-ins can be take from any information center and using topic maps, arranged in any order you desire.
 - Once in place, you don't have to create search indexes. The first time you invoke a search it gets built for you. For information on incorporating other plug-ins see the appendix: Editing Information Centers.

Information on Running Information Centers from z/OS

- Tip for the z/OS Centric
- The CICS information center DVD SK4T-2578 contains a distribution of Information Center framework that runs on z/OS. It's not the most current version, but it can probably be used to seed a z/OS based Information Center.
- You can then add z/OS Information Center plug-ins from other information center distributions. To create a consolidated Information Center that is running on z/OS.
- Question: Would you like to see a standard distribution of the Information Center framework that runs native on z/OS?



The screenshot displays the IBM z/OS V1R12.0 information center website. At the top, there is a navigation bar with links for Home, Products, Services & solutions, Support & downloads, and My account. Below this is a search bar and a 'GO' button. The main content area is titled 'z/OS V1R12.0 information center' and features a list of links for various topics, including:

- z/Architecture™ Principles of Operation: A detailed description of z/Architecture, for reference purposes.
- z/Architecture Reference Summary: A summary of basic z/Architecture machine information for reference by assembler-language application programmers.
- Hot Topics newsletters: Learn about key z/OS technical topics and other items of interest in these award-winning newsletters.
- z/OS migration manuals: Available through z/OS V1.12.
- Latest z/OS DOC APAR and PTF +-HOLD documentation: Obtain the latest updates to z/OS elements and features documentation.
- z/OS information wizardry: Interactive information tools to help you more easily perform z/OS tasks.
- IBM softcopy: Get the latest information about IBM technical documentation available on CD-ROM, tape, and the Internet.
- How to order IBM publications: You can order, for a fee, additional hardcopy books (when available) or softcopy collections.
- Glossary of z/OS terms: Learn to speak z/OS.
- Help for the information center: Get help using the information center.
- PDF files available with the z/OS information center: Links to all the PDF versions of plugins available with this information center.
- About this information center: Here's what you can expect from this information center.
- How to read syntax diagrams in the z/OS information center: Information about how to read syntax diagrams used in the z/OS information center reference sections.

Using the z/OS SHARE Session Quick Start DVD



February 2010 update

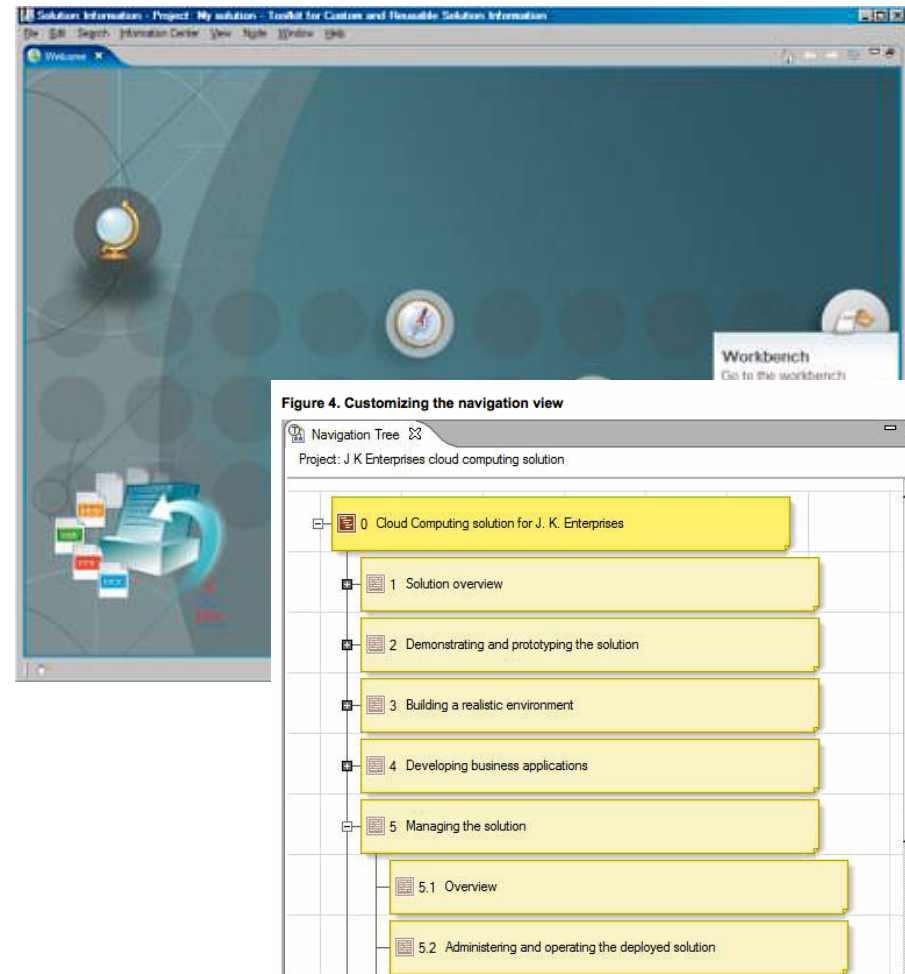
What the DVD contains

- The z/OS DVD included with this session contains documentation that is or will be freely available from the internet. We have just put it all in one place to help you get started quickly.
- There are ISO and ZIP versions of documentation including:
 - z/OS V1R11 Information Center
 - Information Plug-ins for the z/OS V1R12
 - Copies of V1R12 refreshed publications in BOO and PDF format
 - A copy of the Information Management Systems IC DVD (ISO)
 - Two CICS Information Centers (ISO and ZIP)
 - Links to documentation on customizing and building repositories using either IBM Library Server or the IBM Information Center framework.
 - There is a tool kit that provides an easy GUI way to build custom Information Centers that link to more than just eclipse plug-ins.

“How To” Information on Customizing Information Centers

- Documenting your project using the Eclipse help system : Build easy-to-use and searchable help documentation.
 - <http://www.ibm.com/developerworks/opensource/library/os-echelp/>
 - This article teaches you the basics

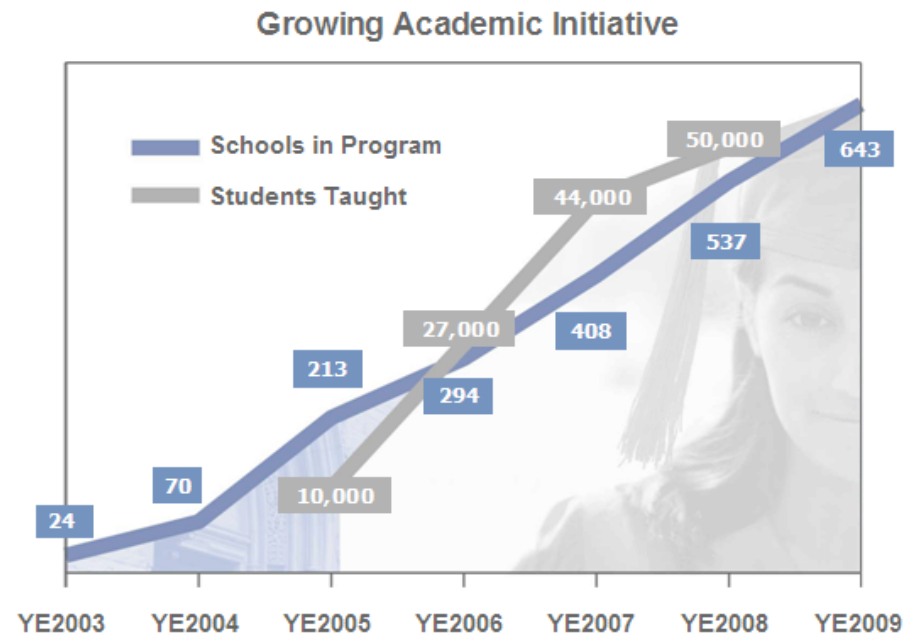
- Document IT solutions with custom Eclipse information centers, Part 1: Create your first information center
 - <http://www.ibm.com/developerworks/opensource/library/os-eclipse-infocenter1/index.html>
 - Shows you how to create your own IC using the GUI Tool kit. (the link is included in the article and the tool is on the handout DVD).



Appendix A. Update Education and Skills Material



Building mainframe skills for the community



- IBM Academic Initiative, IBM System z - ibm.com/university/systemz

– 643 Participating Schools – >50,000 students attended mainframe education

IBM Academic Initiative at a Glance

- ✓ **Course materials and textbooks**
- ✓ **Remote Mainframe access**
- ✓ **Curriculum assistance (Examples of majors, concentrations, and certificate programs)**
- ✓ **Faculty Seminars and Workshops**
- ✓ **Roundtable events**
- ✓ **Entry level for z/OS System Programmer Mastery Test**
- ✓ **Student Opportunity System**
- ✓ **Student mainframe contests**

- Membership in the IBM Academic Initiative is free and open to individual faculty members.

Apply at ibm.com/university/academicinitiative

- Worldwide program
- Supports many IBM Brands and technologies
- Encourages open standards, open source
- Provides easy access to hardware, software, courses, textbooks, and resources

IBM Academic Initiative

Open standards, open source and IBM resources for academia

I am interested in a wide range of resources for the topics I am teaching.

→ What does IBM offer?

- Get leading-edge technologies
- Get resources to help you teach
- Get professionally developed courseware

Fundamental to the program is...

... Flexibility

- **Participation continues to increase**
- **WW demographics**
 - 45% North America
 - 24% Europe, Middle East, and Africa
 - 16% Latin America
 - 15% Asia/Pacific
- **Wide variety of schools in the program**
 - Different level of participation
- **All programs are unique**
 - Designed to provide flexibility to the school to meet their requirements and capabilities



IBM System z courses

Mainframe courses available:

Foundational principles

- Intro to the Mainframe: z/OS Basics*
- Intro to the Mainframe: Networking*
- Intro to the Mainframe: Security*
- Intro to the Mainframe: Large Scale Commercial Computing

Operating systems

- Linux on System z
- Introduction to z/VM®
- Introduction to z/VSE Basics
- UNIX® System Services (Module)

User interfaces

- ISPF: z/OS Basic Interfaces

Storage management

- VSAM

Programming languages

- Assembler
- COBOL
- JCL
- Other
 - z/OS Advanced Topics*
 - z/OS Emerging Technologies*
 - z/OS Installation

Tivoli security, systems, network, and storage management courses

- IBM Tivoli License Compliance Manager for z/OS 4.2 Implementation
- IBM Tivoli System Automation for z/OS 3.1 Introduction and Operations
- IBM Tivoli System Automation for z/OS 3.1 Implementation and Administration
- IBM Tivoli Workload Scheduler 8.2 for zOS Scheduler's Workshop

Information, data and transaction management

- Enterprise Server Data Management
- DB2 for z/OS Fundamentals
- DB2 Family Fundamentals (Cross product)
- DB2 SQL Workshop (Cross product)
- DB2 for z/OS Database Admin Workshop, Part 1
- DB2 for z/OS Database Admin Workshop, Part 2
- DB2 Programming Workshop for z/OS
- DB2 for z/OS Application Development
- DB2 for z/OS Query Optimization and Performance Tuning
- Intro to IMS*
- An Introduction to IMS (Textbook reference)
- Transaction Management

Application development

- WebSphere Application Server for z/OS
- Intro to IBM WebSphere Developer for z (Web based)
- WebSphere MQ for z/OS System Administration
- Developing COBOL with IBM Rational Developer for System z

Diagnosis

- z/OS RAS and Diagnostics*

eLearning resources:

- Interactive e-Learning Module: z/OS Basics
- Flash Demo: Introduction to Rational Developer for System z
- Develop a batch DB2 for z/OS COBOL application using RDz
- Developing and debugging a COBOL DB2 application
- Editing record-oriented programs with the System z LPEX editor
- Learn about your future in Large Systems*
- Careers in Mainframes*

*available in audio version

Student Mainframe Contests: Generating student interest

- Five years, 15 countries and spreading worldwide
 - No experience necessary
 - Three levels of challenges
Prizes: T-shirts, iPods, Laptops, Xbox360, Wii, Sony PSP, Nintendo DS, HDTVs, trips
- 2009 U.S./Canada contest
 - 3,000 students from 425 schools
 - 300% increase in registration since 2005
- Contests in 2009
 - Australia
 - Russia
 - US and Canada
 - United Kingdom
 - Taiwan
 - Brazil



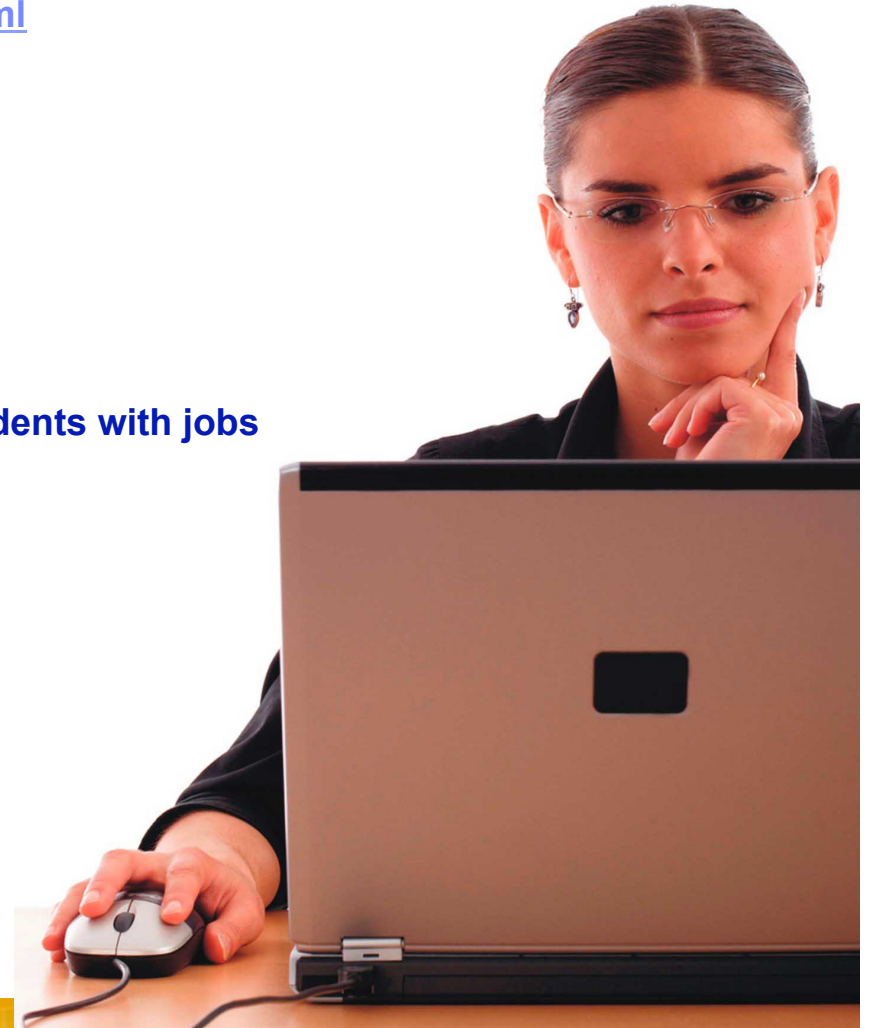
ibm.com/university/contest

Location	Contests	Students	Schools
Brazil	2007 2008 2009	2011 3287 2008	390 400 390
BeNeLux	2007	76	9
Nordics	2007	147	11
Thailand	2007	960	40
UK	2006 2007 2008 2009	725 676 876 1132	40 59 64 70
North America	2005 2006 2007 2008 2009	750 1085 1750 1879 3000	85 177 325 325 425
Australia	2008 2009	450 315	31 29
Taiwan	2009	560	44
Russia	2009	269	41
Totals	15	21,956	2,955

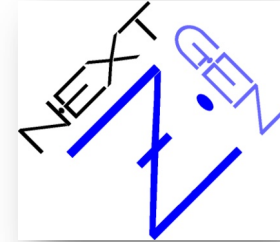
• Important Web sites and contacts

- **System z Community**
 - ▶ ibm.com/systems/z/about/charter/community.html
- **Academic Initiative for the Mainframe**
 - ▶ ibm.com/university/systemz
- **z/OS Entry Level Mastery Exam & DB**
 - ▶ ibm.com/certify/mastery_tests/ovrZ01.shtml
- **zNextGen**
 - ▶ znextgen.org
- **IBM Student Opportunity System – Connecting Students with jobs**
 - ▶ www.ibm.com/university/sos

Program Manager,
Academic Initiative for the Mainframe:
Kathy Pfeiffer, pfeiff@us.ibm.com
Jennifer Ash, jrash@us.ibm.com



zNextGen



- SHARE's community for new mainframe professionals.
- **Mission:**
 - *To serve as the gateway for newcomers, to leverage the experience of mainframe veterans and to expedite their professional development in this crucial segment of the IT workforce.*

- zNextGen is geared especially around the needs of two professional segments:
 - Students just embarking on their careers in enterprise technology
 - Established IT professionals expanding their responsibilities to include support and administration of mainframe systems

- Why zNextGen?
 - **To give new mainframers a forum for networking**
 - **To enhance the experience of newer SHARE attendees**
 - **To provide feedback to SHARE about existing and potential technical sessions**
 - **To attract new users to SHARE**

z/OS Basic Skills Information Center Update



Resources for people on the job

- Customers told us they needed help with people they have in their enterprise today
 - Lack of introductory material on z/OS and the mainframe
 - New hires do not have z/OS or mainframe skills
 - Retraining people for retiring main framers is difficult because there is little self-study material available.
- Your Requirements
 - Provide basic foundations for z/OS and Mainframe
 - Provide materials that allow people to learn on the job
 - Must be free!
- **Our Solution:**
 - **z/OS basic skills information center**



z/OS basic skills information center

- Provides introductory information:
 - z/OS Basics
 - Application Development Basics
 - Systems Programmer Basics
 - Networking Basics
 - Security Basics
 - Reusable JCL Samples (New)
 - Currently working on
 - Software maintenance
 - Expanding Security Basics

- Interactive tutorials for JCL and ISPF



Now Available:



- New enhanced information on DB2 and IMS
- New revised section on z/OS Networking

<http://publib.boulder.ibm.com/infocenter/zos/basics/index.jsp>

Other Self Study Resources

Reusable JCL samples with instructions for modifying each for reuse



Starter set of samples in the information center includes:

- Creating a data set
- Copying a data set to tape
- Copying a partitioned data set
- Copying a load module
- Deleting a data set

The “New Mainframe” Textbooks

1. [Introduction to the New Mainframe: Large-Scale Commercial Computing](#), SG24-7175-00
2. [Introduction to the New Mainframe: Networking](#), SG24-6772-00
3. [Introduction to the New Mainframe: z/VSE Basics](#), SG24-7436-00
4. [Introduction to the New Mainframe: z/OS Basics](#), SG24-6366-0
5. [Introduction to the New Mainframe: Security](#), SG24-6776-00
6. [Introduction to the New Mainframe: z/VM Basics](#), SG24-7316-00

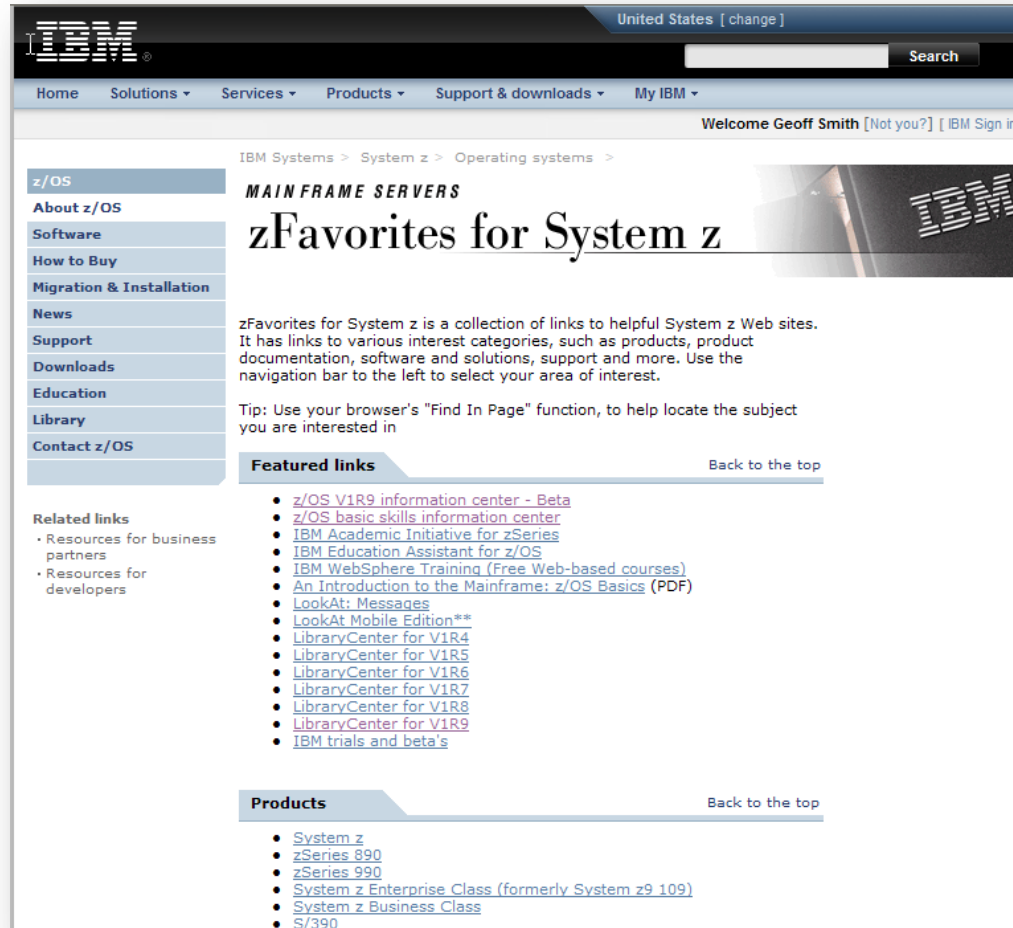
Appendix B: Tips and tools for Finding Information





Tip 1. Wherever you are, GOOGLE “zFavorites” to take you to all things Z

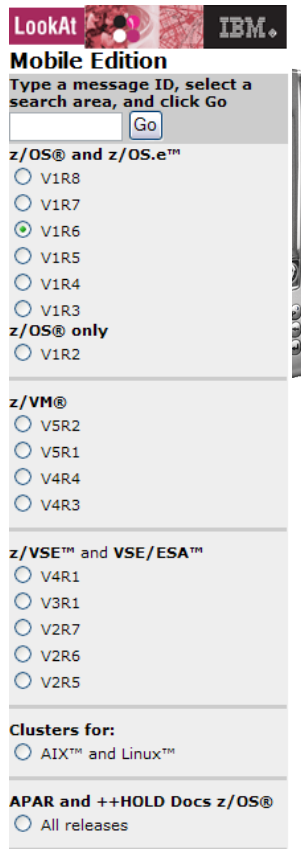
- zFavorites isn't just available as a mini CD.
- It's available on the web too.
- zFavorites was designed to be a consolidated index of all things “z”
- There are links to documentation, product information, education, service and many more...
- Just enter “zfavorites” on GOOGLE and take the first hit to bring you to the online version of zFavorites for System z



The screenshot shows the IBM System z zFavorites website. At the top, there is a navigation bar with links for Home, Solutions, Services, Products, Support & downloads, and My IBM. A search bar is also present. Below the navigation bar, the page is titled "zFavorites for System z" and includes a list of links to various System z resources, such as z/OS information centers, IBM Academic Initiative, and various LibraryCenter pages. The page also features a "Featured links" section and a "Products" section.



Tip 2. Use LookAt Mobile Edition to look up z/OS message explanations on your PDA



- <http://www-03.ibm.com/servers/eserver/zseries/zos/bkserv/lookat>

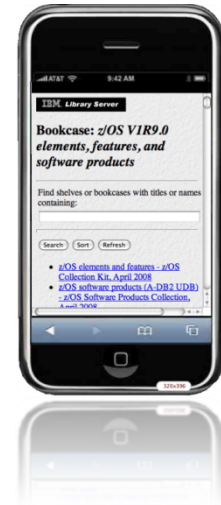




Tip 3. Use Library Server's handheld support to search and view all z/OS information on your iPhone or PDA with browser.

1. **Simply pick the releases of z/OS you're interested in.**
2. **Cut and paste the link into an e-mail to yourself**
3. **Open the e-mail and the link on your PDA and bookmark it**

Once you have them, bookmark them for easy access to z/OS documentation on the go!



z/OS V1R11

http://publibz.boulder.ibm.com/cgi-bin/bookmgr_OS390/handheld/Connected/CASES/zosv1r11

z/OS V1R10

http://publibz.boulder.ibm.com/cgi-bin/bookmgr_OS390/handheld/Connected/CASES/zosv1r10

z/OS V1R9

http://publibz.boulder.ibm.com/cgi-bin/bookmgr_OS390/handheld/Connected/CASES/zosv1r90



Tip 5. RSS for z/OS keeps you up-to-date

XML

RSS

ATOM

RSS or Really Simple Syndication, can help keep current on what's new.

1. Choose your tool:

Browsers: Firefox and Safari have built in RSS capabilities

Mail clients: Outlook 2007, Notes 8 have built in RSS capabilities

Dedicated RSS clients:

FeedDemon 2.7 For Windows

NetNewsWire 3.1 for Mac OS X

Many others

2. Search for RSS feeds that interest you.

Find more here:

http://www.rssmountain.com/directory_search.php?q=z/os&select_source=title&offset=20

▪ Some suggested feeds for System z:

IBM Redbooks

<http://www.redbooks.ibm.com/rss.html>

IBM Software Support

<http://www.ibm.com/software/support/rss/other/852.xml?rss=s852&ca=rssother>

WebSphere for z/OS

<http://www.ibm.com/software/support/rss/websphere/404.xml?rss=s404&ca=rsswebsphere>

DB2 for Z/OS Forum

<http://www.ibm.com/developerworks/forums/rss/rssmessages.jspa?forumID=293>

Rational Application Developer for z

<http://www.ibm.com/developerworks/forums/rss/rssmessages.jspa?forumID=1131>

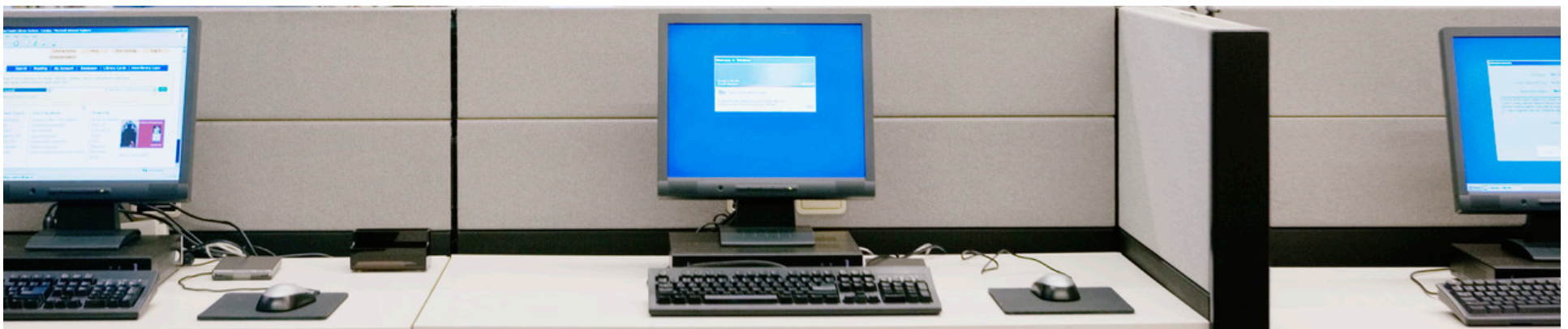
DeveloperWorks for z

<http://www.ibm.com/developerworks/blogs/rss/systemzlogger?flavor=atomdw>



Tip 6: Getting the Latest Product Documentation Information

- **z/OS and z/OS.e DOC APAR and PTF ++HOLD Documentation**
- http://publibz.boulder.ibm.com/cgi-bin/bookmgr_OS390/Shelves/ZDOCAPAR
 - Updated **weekly** (with closures from prior week)
 - Incorporates DOC APARs and ++HOLD for documentation changes
 - You can searching for changes using IBM BookManager search



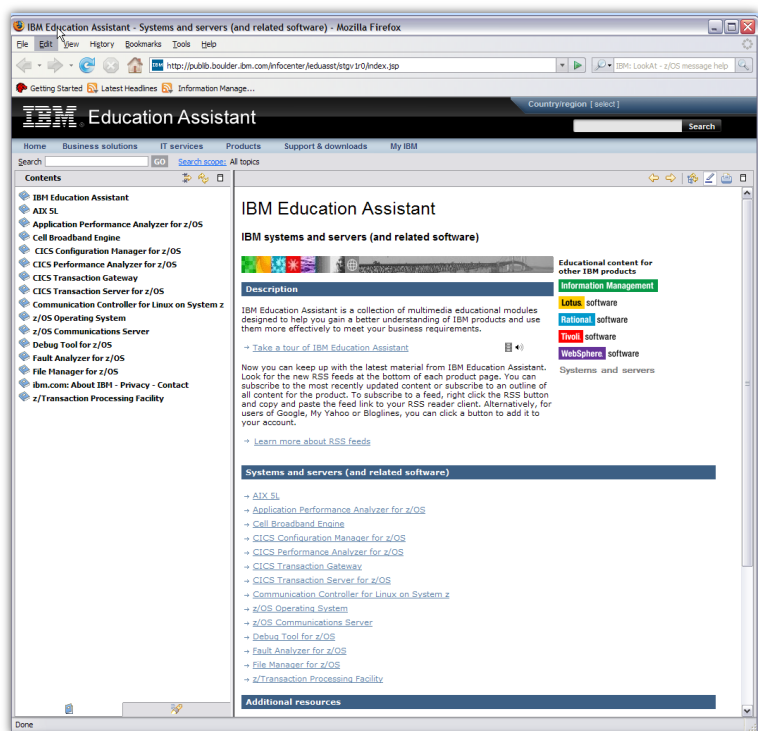


Tip 7: Get FREE education designed for the *experienced systems programmer* - direct from z/OS development via the *z/OS Education Assistant* Website

- [http://publib.boulder.ibm.com/Information Centers/ieduasst/stgv1r0/index.jsp](http://publib.boulder.ibm.com/Information%20Centers/ieduasst/stgv1r0/index.jsp)

Get technical information quickly as little as 5 minutes of your time.

Many presentations in multimedia format to make it easy to get up to date on technical topics



z/OS UNIX		
Hints for a successful HFS to zFS migration	21 min	1.2M
z/OS V1R8 NFS - Exciting new functions	20 min	244K
z/OS V1R8 NFS version 4 protocol support		166K
V1R8 z/OS UNIX system programmer topics	15 min	194K
V1R8 z/OS UNIX operations management	15 min	240K
V1R8 z/OS UNIX file system management	23 min	210K
z/OS V1R8 How to set up the z/OS zSeries file system and create and access a zFS file system	5 min	151K
z/OS V1R8 How to set up the z/OS system message block (SMB) server and access z/OS data from Windows	7 min	152K

Tip 8. Add LookAt search to Firefox bar

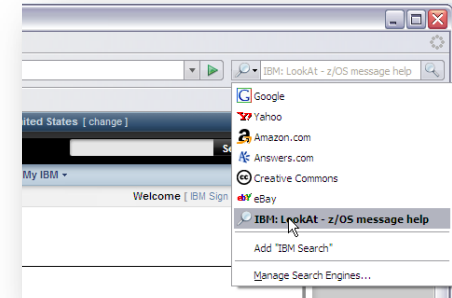


First, install the Add to Search Bar plug-in for Firefox:

1. Open your Mozilla Firefox Web browser.
2. Copy the following Web address into your Firefox location bar: <https://addons.mozilla.org/en-US/firefox/addon/3682>.
3. Install the Add to Search Bar plugin by clicking Add to Firefox. In the confirmation window, click Install Now.
4. After the plug-in is installed, restart Firefox to make the plug-in available.

Next, add the LookAt Web site to your Firefox search bar:

1. Go to the LookAt Web page: ibm.com/systems/z/os/zos/bkserv/lookat/.
2. Right-click in the Message ID input box.
3. From the list of options, select Add to Search Bar.
4. In the confirmation window, click OK to make LookAt active on your Firefox search bar
5. Give it a try.





Tip 9. Subscribe and receive FREE notifications of Red Alerts

<https://www14.software.ibm.com/webapp/set2/sas/f/redAlerts/>

The screenshot shows the IBM Red Alerts subscription service page. The browser window title is "IBM - Red Alerts subscription service - Mozilla Firefox". The address bar shows the URL: <https://www14.software.ibm.com/webapp/set2/sas/f/redAlerts/>. The page content includes:

- IBM Systems Support** navigation menu on the left.
- Red Alerts subscription service for zSeries** heading.
- Text: "This service provides technical information for IT professionals who maintain zSeries servers. As these support bulletins are released, subscribers receive email containing links to the bulletins. Red Alerts for the past year are listed below."
 - This service is a companion to the **Alert services for zSeries** offering, which provides PE and HIPER notifications.
 - You can also use the **Enhanced HOLDDATA** for simplified identification and management of PEs and HIPERS.
- Subscribe today!** box with options:
 - Sign up**: Receive free notification of Red Alerts.
 - Unsubscribe**: Discontinue Red Alert notification.
- Red Alerts** table listing recent alerts:

Date	Alert Description
2008.06.17	DB2 for z/OS V8 and V9 potential loss of data during update of fixed length rows.
2008.04.11	Sysplex-wide outage when using CFRM MSGBASED processing and PTF UA38900 or UA38901 for APAR OA21917 is installed.
2008.05.09	Sysplex-wide impact due to loop in GRS on z/OS 1.9 and higher
2008.04.11	Sysplex-wide outage when using CFRM MSGBASED processing and PTF UA38900 or UA38901 for APAR OA21917 is installed.
2008.02.01	All users of z/OS 1.9 (HBB7740) and JES2 1.9 (HJE7740).
2007.09.20	All IMS Version 9.1 using a PHIDAM database with APAR PK39785 / PTF UK25149 or PTF UK26128 or PTF UK26164 or PTF UK27311 or PTF UK27490 applied. Updated 11/09/2007
2007.12.06	Potential Data Loss using QSAM PUT processing for Extended Format Data sets with PTF's for OA16854 applied.
2007.09.20	All IMS Version 9.1 using a PHIDAM database with APAR PK39785 / PTF UK25149 or PTF UK26128 or PTF UK26164 or PTF UK27311 or PTF UK27490 applied. Updated 11/09/2007
2007.06.29	All users of z/OS 1.8 (HBB7730) and JES2 1.8 (HJE7730)



Tip 10. Get FREE education for people new to System z at the z/OS basic skills information center

- <http://publib.boulder.ibm.com/infocenter/zoslnctr/v1r7/index.jsp>

The screenshot shows the 'z/OS basic skills information center' website. The browser window title is 'z/OS basic skills information center - Mozilla Firefox'. The address bar shows the URL: <http://publib.boulder.ibm.com/infocenter/zoslnctr/v1r7/index.jsp>. The page features a navigation menu on the left with categories like 'z/OS concepts', 'Application programming on z/OS', and 'Networking on z/OS'. The main content area is titled 'z/OS basic skills information center' and lists various topics with links to HTML and PDF documents, such as 'z/OS concepts', 'Online workloads for z/OS', and 'Application programming on z/OS'. There are also sidebars for 'What's new', 'Related links', and 'Podcast'.





Tip 11. Connect with others in the mainframe community at Destination z

- <http://www-03.ibm.com/systems/z/destinationz/index.html>

United States [change]

Home Solutions Services Products Support & downloads My IBM

Welcome [IBM Sign in] [Register]

Welcome to IBM DESTINATION Z

A vibrant community to help you make the most of your mainframe

[Learn more](#)

Welcome to IBM Destination z

The IBM home for the mainframe community. Your entry point to:

- Learn about System z and what it can do for you
- Gain skills to help you deploy mainframe solutions
- Reach out to others in the mainframe community
- Find key IBM Business Partners and their mainframe solutions
- Contact schools around the world to take advantage of their mainframe programs and augment your team with recent graduates

What's new

- Sign up now for System z Expo, October 13-17, Las Vegas Nevada
- IBM Enterprise Modernization Sandbox for System z
- New software from Rational, Cognos, and Tivoli to help exploit the power of System z10 EC
- View the System z10 Enterprise Class 3D interactive model
- ☞ zSkills Connection
- ☞ Destination z welcomes Guide Share Europe
- ☞ Article: The resurgence of the mainframe
- ☞ Five Mainframe Myths Busted
- ☞ New to System z: Mainframe New Realities (100KB)
- Green mainframe space: Gathering point for the z energy efficiency movement
- ☞ IBM System z on Campus group on Facebook
- [Check out all the IBM Destination z Business Partner members](#)

Participate and learn

- [New to System z: Mainframe basics](#)
- [Destination z Discussion forum](#)
- [Blog—Enterprise Class Innovation: System z Perspectives](#)
- [Green Mainframe blog](#)
- ☞ [User communities](#)
- [Mainframe Central](#)
- [System z in the News](#)

The Future Runs on System z





Tip 12. Follow twitter for the latest news and activities

- https://twitter.com/signup?follow=IBM_System_z&commit=Join+today%21

The image displays two screenshots of the Twitter website in a Microsoft Internet Explorer browser window. The left screenshot shows the Twitter homepage with the 'What is Twitter?' section and a 'Join the conversation!' button. The right screenshot shows the 'Create an Account' page with a 'Join the Conversation' section, a sign-up form, and a CAPTCHA challenge.

Twitter / Create an Account - Microsoft Internet Explorer

Address: https://twitter.com/signup?follow=IBM_System_z&commit=Join+today%21

Join the Conversation

Already use Twitter on your phone? [Finish signup now.](#) Already on Twitter? [Sign in.](#)

Full name: ✓ ok

Username: ✓ ok
Your URL: <http://twitter.com/keepaneyonz>

Password:

Email:

I want the inside scoop—please send me email updates!

Can't read this?
Get two new words
Listen to the words
Powered by hCAPTCHA
Help

Type the words above

By clicking on 'Create my account' above, you confirm that you are over 13 years of age and accept the [Terms of Service](#).



Tip 13. An A-Z software product index for developers

<http://www.ibm.com/developerworks/products/index.html#B>

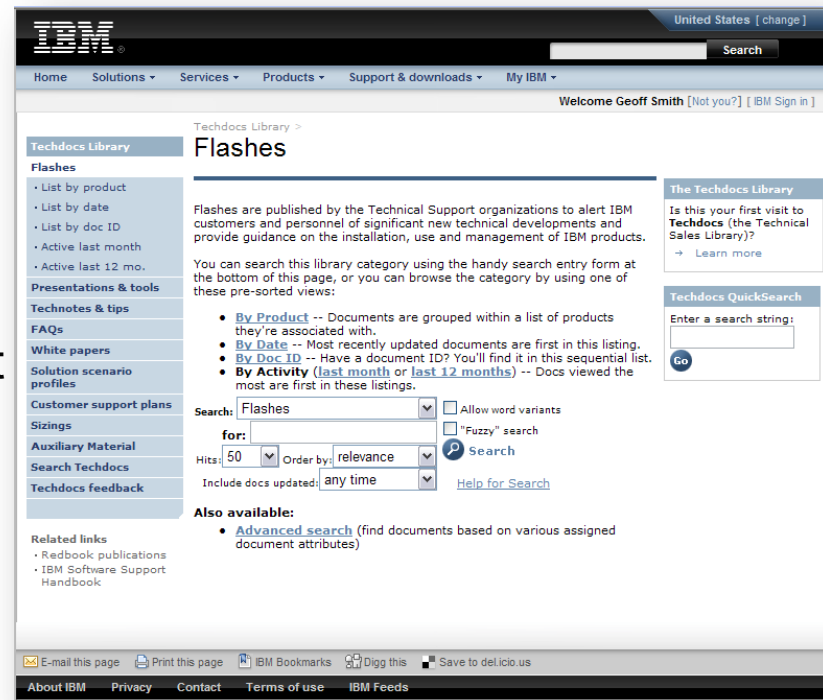
- This list contains a fast-path to resources for IBM software for architecting, developing, testing, managing, and administering applications. Visit the IBM software site for a [complete list of IBM software products](http://www.ibm.com/developerworks/products/index.html#B).

The screenshot shows the IBM developerWorks website in Microsoft Internet Explorer. The browser's address bar displays the URL: <http://www.ibm.com/developerworks/products/index.html#B>. The page title is "A-Z software product index for developers". The main content area lists products under the letter 'B', including "Branch Transformation Toolkit for WebSphere Studio". The left sidebar contains navigation links for various IBM software categories like AIX and UNIX, Rational, and Linux. The right sidebar features document options like "Print this page" and "E-mail this page", along with "More resources" and "Special offers".



Tip 14. Get help in a Flash!

- Flashes are published by the Technical Support organizations to alert IBM customers and personnel of significant new technical developments and provide guidance on the installation, use and management of IBM products.



The screenshot shows the IBM Techdocs Library 'Flashes' page. The search bar contains the text 'Flashes'. The 'for:' dropdown is set to 'relevance'. The 'Hits' are set to 50. The 'Include docs updated:' dropdown is set to 'any time'. The page also features a sidebar with navigation links and a 'Techdocs QuickSearch' box.

<http://www-03.ibm.com/support/techdocs/atmastr.nsf/Web/Flashes>



Tip 15. See the titles of your z/OS manuals on your hard drive

- Many people keep a local repository of frequently used z/OS PDF publications manuals on their laptop or workstation. Unfortunately, the default is to view just the 8 character file name for the manual – not very helpful!
- z/OS PDF files have the title encoded as metadata in the file and to change your view all you need do is:
 - Click View, Choose Details, pick title, click OK.
 - You can also drag the title to be right next to the filename to make it easier to read.

The screenshots illustrate the steps to view file titles in Windows Explorer:

- View Menu:** The 'View' menu is open, and 'Details' is selected under the 'Show/Hide' section.
- Choose Details Dialog:** A dialog box titled 'Choose Details' is shown. Under the 'Details' section, the 'Title' checkbox is checked. Other options like Name, Size, Date Modified, etc., are also visible.
- File List:** The Explorer window shows a list of PDF files. The 'Name' column now displays the full title of each file next to its 8-character filename. For example, 'antgr160' is followed by 'z/OSV1R10 DFSMS Advanced Copy Services'.



Tip 16. Got problems? Try the z/OS Problem Management Book

- **z/OS Problem Management** is a system level book that can help you diagnose problems on z/OS, its subsystems, its components, and problems in applications running under the system. Using z/OS Problem Management, you can:
 - Identify the problem type
 - Determine the failing subsystem, component, job, or application
 - Collect the correct data needed to diagnose the problem
 - Develop a search argument for searching problem reporting databases
 - Know what problem data to collect before reporting the problem to IBM or the independent software vendor.
 - Tasks are easier to perform because the required information is in a single book, which eliminates the need to jump from book to book when looking for relevant information.

z/OS V1R11.0 Problem Management

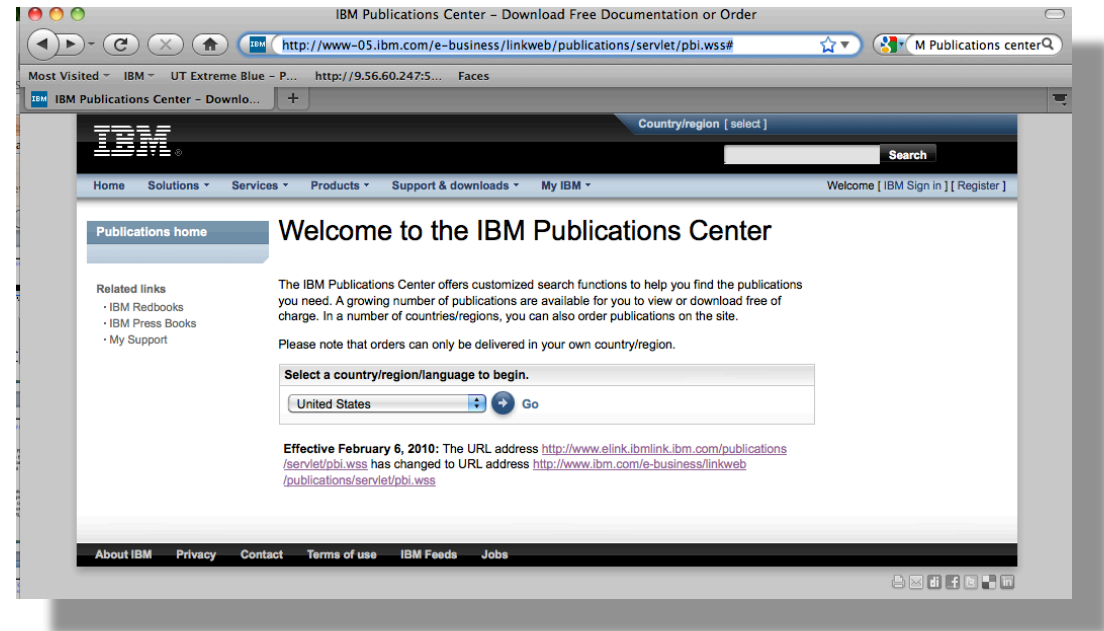
PDF: <http://publibz.boulder.ibm.com/epubs/pdf/e0z1k110>.





Tip 17: Get the Information You Need at the IBM Publication Center

- Google “IBM Publication Center”
- It’s usually the top hit.
- Fill in your country
- Search by titles, order number or filename
- You can download PDF or BOO
- You can often search the book online



<http://www.ibm.com/e-business/linkwebpublications/servlet/pbi.wss#>



Tip: 18. Catch IBM System z on **You Tube**

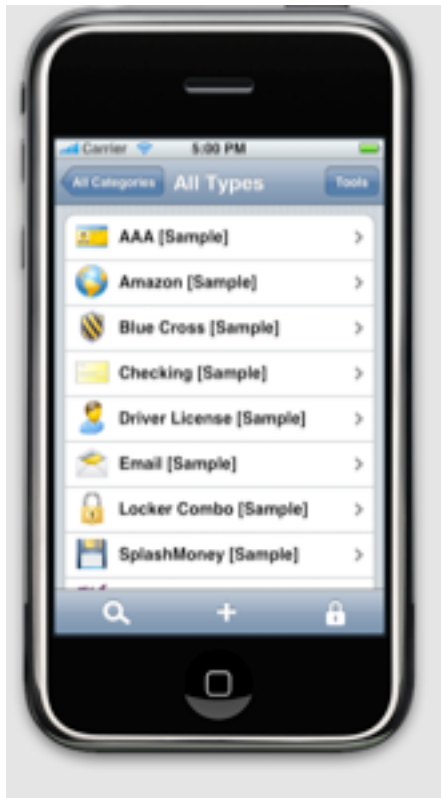
This site provides an entertaining easy way to learn about new function and technologies related to System z



<http://www.youtube.com/user/IBMSystemZ#>



Tip 19: Follow System z on Your iPhone





Tip 20: Keep Current with IBM Podcasts

Podcasts > Technology > Software How-To > IBM



Subscribe Free

Category: Software How-To
Language: English
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Did you say mainframe?!

Podcast Description

Listen to host Richard Szulewskifrom the WebSphere System z Software Marketing Team talk to the experts, as he discovers how IBM, with the help of a great product range, is revitalizing the mainframe as the platform of choice for modern services-based infrastructures, such as Service-Oriented Architecture (SOA).

▲	Name	Time	Released	Description	Popularity	Price
1.	CICS Transaction Gateway V8	9:41	4/30/10	Hear about the recently announced CICS Transac...	i	FREE
2.	Smarter Banking with CICS Transaction Server	8:21	4/12/10	Hear about how you can unlock business data in ...	i	FREE
3.	CICS Configuration Manager	14:00	2/22/10	Hear about how with modern business growth mor...	i	FREE
4.	CICS TS V4.1 WLM Sysplex Optimised Workloads	16:55	2/15/10	Hear about how Sysplex Optimisation addresses ...	i	FREE
5.	CICS Configuration Manager, Part II	12:10	1/28/10	Listen to Joe Winchester, from the CICS Explorer ...	i	FREE
6.	CICS Configuration Manager, Part I	9:11	1/28/10	Listen to Joe Winchester, from the CICS Explorer ...	i	FREE
7.	Achieving Business Resilience with the new capabili...	7:09	1/18/10	Listen to Paul Johnson from CICS Worldwide Dev...	i	FREE
8.	Maintaining Service Level Agreements with dynamic ...	5:53	1/17/10	Listen to Paul Johnson from CICS Worldwide Dev...	i	FREE
9.	Integrated Event Processing with CICS 4.1	12:39	1/11/10	Listen to Catherine Moxey from the CICS Worldwi...	i	FREE
10.	Application Agility with CICS and ILOG BRMS	9:15	12/9/09	Listen to Daniel Donnelly from the WebSphere IL...	i	FREE
11.	CICS Explorer Version 1.0.0.2 - The latest version of ...	8:34	10/23/09	In this podcast, Matthew Webster will talk about th...	i	FREE
12.	Business Value of TXSeries for Multipatforms V7.1	11:29	8/3/09	In this podcast, Sharad Deshpande will talk about ...	i	FREE
13.	Compete, Comply, and Control with CICS Transactio...	10:52	7/7/09	Hear about CICS TS V4.1 and its new capabilities ...	i	FREE
14.	New PHP Support for CICS Transaction Server	13:48	5/18/09	Hear about the new SupportPac that has been intr...	i	FREE
15.	IBM Application Foundation on System z	8:19	1/27/09	In this podcast, Rich Szulewski talks about IBM Ap...	i	FREE

Total: 35 Episodes

Listeners also subscribed to

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