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## Session 16708

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

Thursday, March 5, 2015: 10:00 AM-11:00 AM

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

This session will provide attendees with information on the changes for z/OS V2R1 including an introduction to the IBM Knowledge Center. Information Centers will be going away, and all IBM documentation will be published through Knowledge Center. This session will give users an overview of how to effectively filter and search for the information they need. All releases of z/OS documentation will be published through Knowledge Center. Learn how you can download and maintain a copy of the documentation you need. Learn how to personalize Knowledge Center for yourself and for your colleagues.

## Recap: New in the z/OS Library for z/OS V2R1

### New publications (information units):

- **IBM System z Advanced Workload Analysis Reporter Guide:** Describes IBM zAware, which is firmware that consists of an integrated set of analytic applications that monitor software running on z/OS and model normal system behavior. Pattern recognition techniques identify unexpected messages and can IT personnel correct problems before they affect system processing.
- **IBM z/OS Management Facility: Programming:** This new book is intended for customer programmers who use the application programming interfaces provided with z/OSMF. In V2R1, these services are:
  - z/OS Jobs REST interface services
  - In addition, new z/OSMF enhancements are designed to help you achieve more standardized management processes, automate repeatable tasks, and improve process quality. Look for a host of enhancements in z/OSMF in V2R1
- **z/OS Font Collection:** This book contains an overview, basic concepts, and describes the fonts in the z/OS Font Collection. This book replaces *IBM AFP Fonts: Font Summary for AFP Font Collection*, S544-5633.
- **IBM Infoprint XT for z/OS:** Transforms line-conditioned data streams (LCDS) or meta code data streams to AFP format.
- **Communications Server Glossary:** Location details are still TBD. The Communications Server glossary contains all the terms necessary for a deeper understanding of TCP/IP, SNA, and networking.

### Knowledge Center was updated on 2/16/2015 to support the new z13 hardware

## Recap: Changes to the z/OS z/OS Library in V2R1

### Changed information units:

- **z/OS Migration:** This publication has been redesigned for usability purposes. Find N-1 and N-2 in one information unit instead of multiple volumes.
- **z/OS Information Roadmap:** *has* been completely rewritten to describe how IBM delivers information in 2013.

### Consolidated information units:

- *z/OS MVS Product Management* includes *z/OS Product Registration* as an appendix.

### Removed from the library:

- *DFSMS/MVS Support for the Magstar 3590 E1x Tape Drive*, SC26-7316
- *FFST/MVS FFST/VM Operations Guide*, SC31-8604-01
- *MVS Batch Local Shared Resources*, GC32-0934
- *z/OS HCD Reference Summary*, SX33-9032
- *IBM Encryption Facility for z/OS Client: Licensed Program Specifications*, GA76-0405. Find it now on this website: [http://www-03.ibm.com/systems/z/os/zos/encryption\\_facility/](http://www-03.ibm.com/systems/z/os/zos/encryption_facility/)

### Replaced in the library:

- *IBM AFP Fonts: Font Summary for AFP Font Collection* (Replaced: *z/OS Font Collection*)
- *IBM WebSphere Application Server OEM Edition* (Moved to *z/OSMF Configuration Guide*)
- *IBM z/OS Management Facility Messages*, SA38-0656 (Shipped with z/OSMF User Interface and the z/PSMF information center)

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

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

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

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

### New publications:

- IBM® HTTP Server - Powered by Apache
- IBM Knowledge Center for z/OS
- IBM z/OS Management Facility (z/OSMF)
- OpenSSH for z/OS.

## *z/OS Hot Topics Newsletter*



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

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





## 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?

Like our Facebook page and drop us a line to let us know at:

[www.facebook.com/zosHotTopics](http://www.facebook.com/zosHotTopics)

## Deliverables

### Online Use: IBM Knowledge Center

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

### Offline Use: z/OS Softcopy Collections

- **Format:** The format is predominately be ALS Indexed PDF
- **Electronic Delivery – no physical media:** Our softcopy collections consist of files and shelves you are accustomed to zipped up for download from the **IBM Publications Center**
- Note: z/OS product documentation collection kits historically have had two major components:
  - **z/OS base library** (Elements and optional Features) consists of approximately 325 books
  - **z/OS software products** libraries are over 2200 manuals on our softcopy collections. This includes multiple releases of many of the products. (DB2, CICS, and so on).



## Electronic Delivery

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

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

Zip files of our **IBM z/OS V2R1 Softcopy Collection Kit (PDFs)\*\***

Zip of our **z/OS V2R1 Information Center**



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

- Download all PDFs at once. Go to the **IBM Publications Center** : <http://www-05.ibm.com/e-business/linkweb/publications/servlet/pbi.wss> and search on z/OS V2R1 collections.
- Download individual PDFs from our **z/OS Internet library**. Specifically: <http://www-03.ibm.com/systems/z/os/zos/library/bkserv/v2r1pdf/>
- Provision and maintain multiple repositories on multiple platforms using the IBM Softcopy Librarian (see next chart).

## IBM Softcopy Librarian – Recommended to maintain local repositories

- **Softcopy Librarian (SCL):** Download entire **PDF collection kits** or only the PDFs you need using SCL. IBM Softcopy Librarian is designed to help you manage multiple repositories on your laptop, a LAN drive, or z/OS. Once established, you SCL will help you keep the repository current, by flagging new and updated documents so with one click you can update your local repositories wherever they may be. You can obtain it from the BookManager site. <http://www.01.ibm.com/support/docview.wss?uid=swg24000640>



### New for z/OS V2R2

- For z/OS V2R2, IBM Softcopy Librarian is being enhanced to support Knowledge Center information plug-ins. This function is designed to support the new element of z/OS, “IBM Knowledge Center for z/OS”
- IBM Knowledge Center for z/OS will let you create your own repository of IBM Knowledge Center documentation on your z/OS system (more details on the following slides)

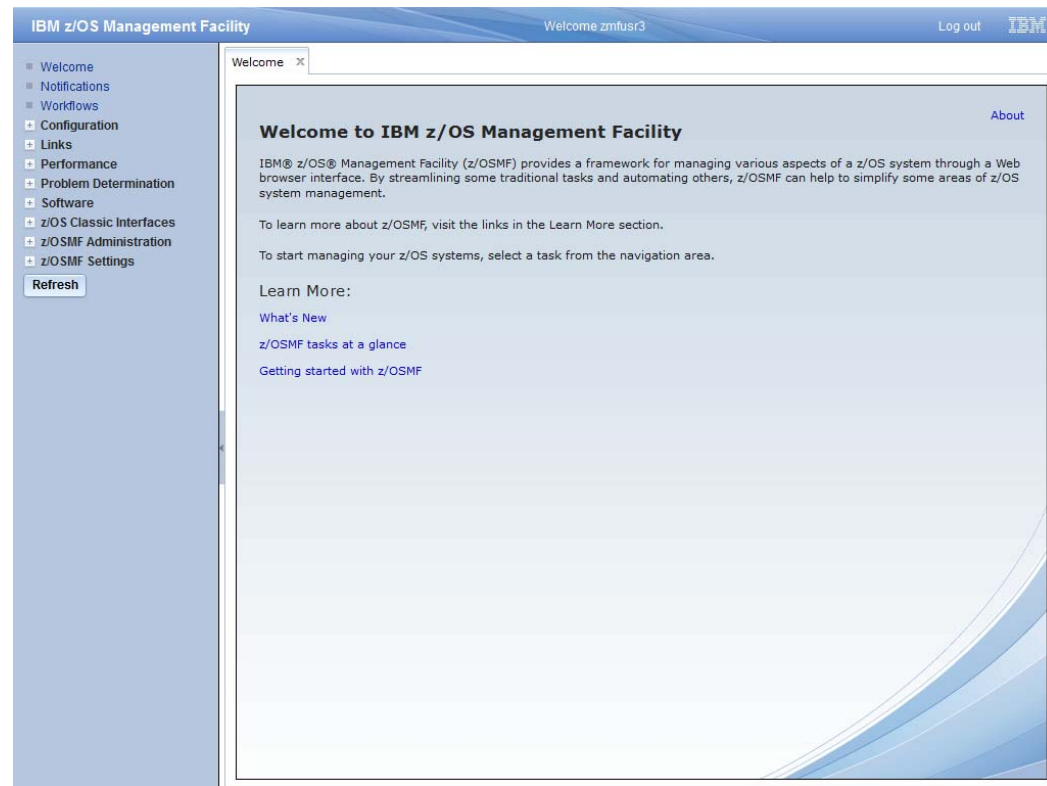
## Another Options for Offline Use: Windows based IBM Information Center

1. Go to the IBM Publications Center : <http://www-05.ibm.com/e-business/linkweb/publications/servlet/pbi.wss>
2. Search for SK5T-7089-03 (z/OS V1R13 Information Center DVD – ISO file)
3. Download the ISO file and use windows to burn a copy of the DVD
4. Once you have the DVD, run setup and install the V1R13 Information Center
5. You can choose to use it as is, or you may need z/OS V2R1 content. If so, go again to the IBM Publications Center and download SK4T-4949-05
6. Search for z/OS V2R1 Information Center Plug-ins (SC27-8400-00) and Download the ZIP file and unzip the contents to a temporary folder
7. Open the plugins directory (usually C:\Program Files (x86)\IBM\zOS V1R13 Information Center\eclipse\plugins\
8. Delete all the plugins with v1r13 in the directory title and replace them with the v2r1 plugins instead.
9. Rename icons to reflect the V2R1 content and click on the start icon to launch the Information Center. When you launch the IC, a command prompt window should open. Make note of the port number.
10. Open a browser and go to <http://localhost:nnnn>, where nnnn is the port number.

## z/OS Management Facility and Workflows simplify tasks

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

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



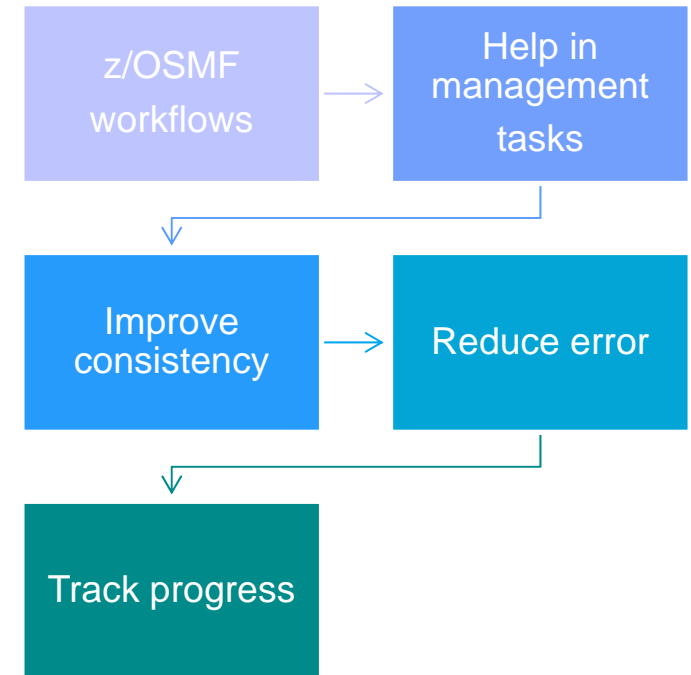
[http://www-01.ibm.com/common/ssi/rep\\_ca/6/897/ENUS215-006/ENUS215-006.PDF](http://www-01.ibm.com/common/ssi/rep_ca/6/897/ENUS215-006/ENUS215-006.PDF)

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

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

You might use a workflow to:

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



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

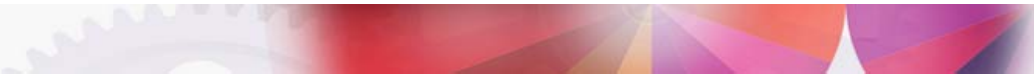
- A **workflow definition** is written and shipped as one or more XML files---the primary workflow definition file and its related files. It contains meta information (name, vendor, and version), variables, and a collection of steps.
- The workflow definition is based on the XML schema that is shipped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

Examples of workflows in use today:

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

## z/OSMF Workflows: A typical workflow

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



## Questions about the z/OSMF information

- Have you used or created a z/OSMF workflow?
  - If yes, can you share your experience?
  - Is this an area of future interest for you? Why or why not?
  - Do you have any suggestions for enhancing the workflows online help or the information in the *IBM z/OS Management Facility Programming Guide*?
  
- The *IBM z/OS Management Facility Programming Guide* also documents z/OSMF REST services and describes how to create your own plug-ins.
  - Have you used the z/OSMF REST services?
  - Have you created your own z/OSMF plug-ins?
  - Do you have any suggestions for enhancing this publication?
  
- The *IBM z/OS Management Facility Configuration Guide* has been restructured to simplify the setup of z/OSMF, including security profiles and resource names (Appendix A).
  - What resources do you require when installing and configuring z/OSMF, for example, amount of time, personnel, etc.
  - Do you have any suggestions for enhancing this publication?



## Essential z/OS Related Bookmarks

Name	Description	URL
z/Favorites	List of bookmarks for the mainframe	<a href="http://www-03.ibm.com/systems/z/os/zos/library/zfavorites/">http://www-03.ibm.com/systems/z/os/zos/library/zfavorites/</a>
IBM Publications Center	Download and view softcopy files and collections	<a href="https://www-05.ibm.com/e-business/linkweb/publications/servlet/pbi.wss">https://www-05.ibm.com/e-business/linkweb/publications/servlet/pbi.wss</a>
IBM Knowledge Center	One stop shopping for all IBM product documentation	<a href="https://www-01.ibm.com/support/knowledgecenter/">https://www-01.ibm.com/support/knowledgecenter/</a>
IBM Knowledge Center Mobile	Mobile version of KC	<a href="https://www-01.ibm.com/support/knowledgecenter/mobile/">https://www-01.ibm.com/support/knowledgecenter/mobile/</a>
z/OS in Knowledge Center	Entry point for all releases of z/OS in IBM Knowledge Center	<a href="http://www-01.ibm.com/support/knowledgecenter/#!/SSLTBW/welcome">http://www-01.ibm.com/support/knowledgecenter/#!/SSLTBW/welcome</a>
Download z/OS V2R1 PDFs	Contains tables by element of all available PDFs	<a href="http://www-03.ibm.com/systems/z/os/zos/library/bkserv/v2r1pdf/">http://www-03.ibm.com/systems/z/os/zos/library/bkserv/v2r1pdf/</a>

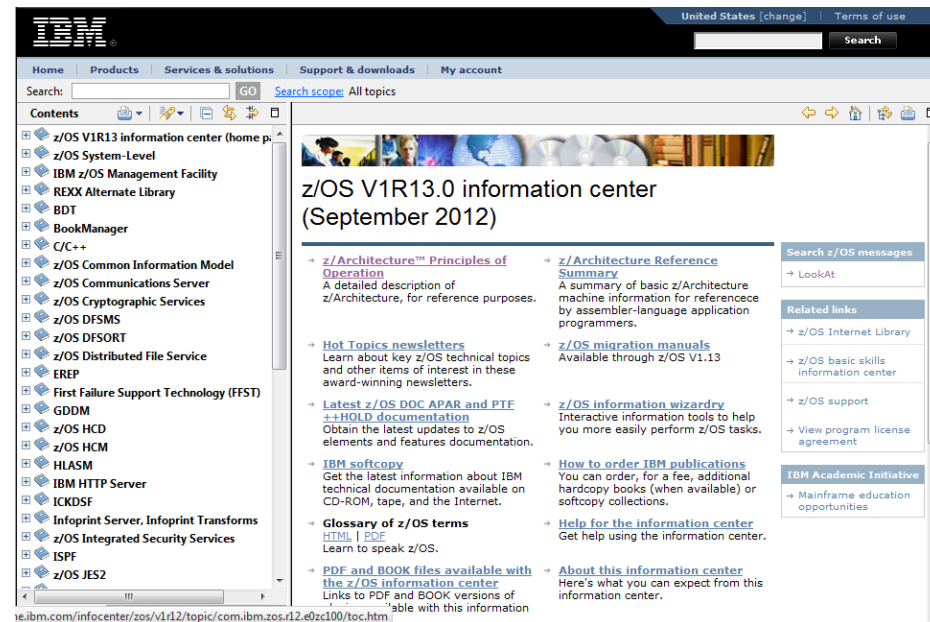
## Information Centers

### Pros:

- Optimized for the internet
- Easily indexed by Google and others
- Easily enhanced with multimedia
- Straight forward navigation

### Cons:

- Resulted in pillared information
- No way to do a search by platform across a platform wide search on product documentation (z/OS, DB2, CICS WAS)
- Difficult or impossible to have reliable “deep” links across information centers
- If a customer wanted a local copy of information, they often had to install multiple information centers
- There was no consistency in the roll out of Information Centers – variations in navigation, structure, and the ability to update content



## What is IBM Knowledge Center?

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

### Advantages:

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



## Key Values of Knowledge Center

- **It is the future IBM strategic framework for all customer documentation and information**
- **United and Comprehensive:** IBM Knowledge Center brings together IBM hardware and software product information in a single location. Now you see your products more easily, or scan multiple versions of a product to compare their features. Future releases will integrate support information collaboration, Redbooks and so on
- **Personalized and Customizable:** IBM Knowledge Center brings personalization and customization to our documents. Knowledge Center remembers your profile preferences and search queries, allows you to sort search results easily, and can help you create and publish custom documents.
- **Easy to Use:** Lets users filter out extraneous content so they can focus on what matters to them. They can easily build their own personalized library. They can save search queries, create persistent, personalized collections.
- **Promotes continuous improvements of customer information** by letting customers rate topics and commenting on their user experience.
- **Information currency** – we can update our content continually – our new goal is quarterly.

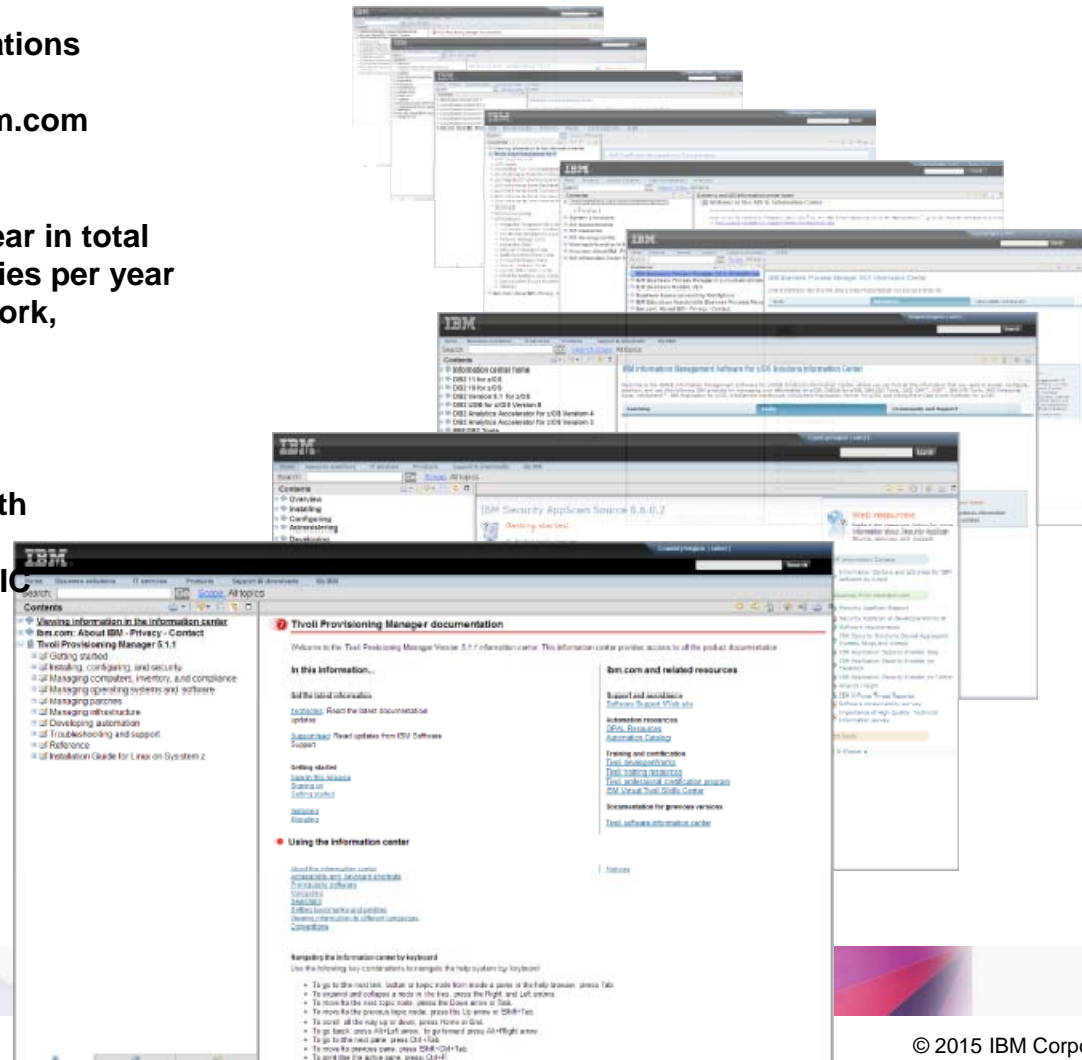
# IBM technical publications @ ibm.com: IBM Information Centers

## Information Centers: Technical publications

- More than 2200 IBM products
- More than 850 individual URLs @ ibm.com
- More than 60M individual pages
- More than 30 languages across ICs
- More than 60M unique visitors per year in total
- More than 200M *internal* search queries per year (queries within the IC search framework, not organic search to get to the IC)

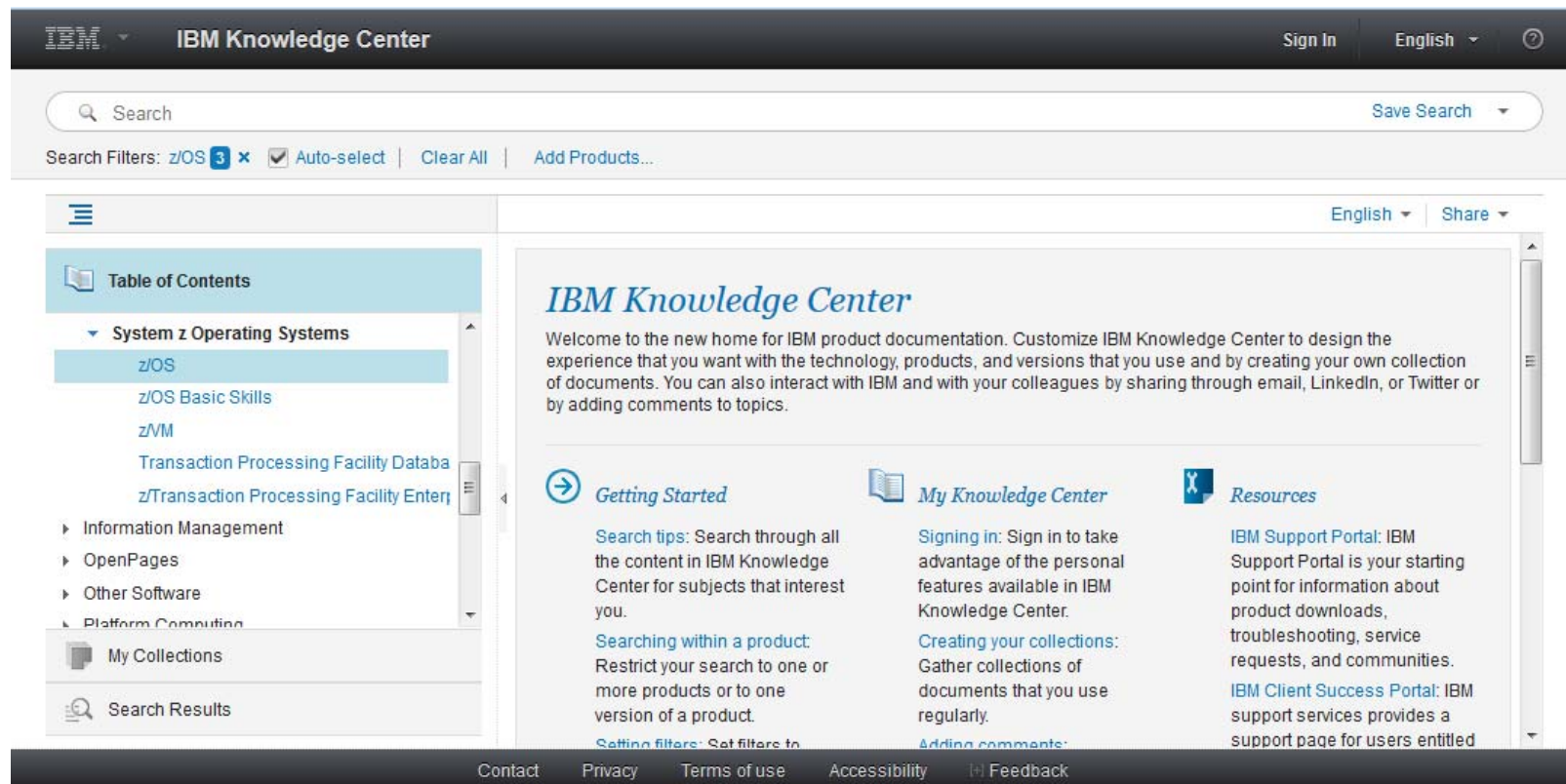
## Information Center user issues

- Too many individual sites to work with multiple IBM products
- User experience inconsistency IC to IC
- Search relevance can be poor and is impossible across product ICs
- Performance and availability issues



## Knowledge Center's Table of Contents is Organized by Product Taxonomy

Each release of each IBM product has its own entry in IBM's taxonomy and in Knowledge Center



The screenshot displays the IBM Knowledge Center interface. At the top, there is a navigation bar with the IBM logo, the text "IBM Knowledge Center", and links for "Sign In", "English", and a help icon. Below this is a search bar with a magnifying glass icon, a "Search" button, and a "Save Search" dropdown. Under the search bar, there are search filters: "z/OS" (with a blue '3' icon), "Auto-select" (checked), "Clear All", and "Add Products...".

The main content area is divided into a left sidebar and a main panel. The sidebar, titled "Table of Contents", shows a hierarchical structure under "System z Operating Systems". The "z/OS" category is selected and highlighted in blue. Below it, there are links for "z/OS Basic Skills", "z/VM", "Transaction Processing Facility Databa", and "z/Transaction Processing Facility Enter". Other categories in the sidebar include "Information Management", "OpenPages", "Other Software", "Platform Computing", "My Collections", and "Search Results".

The main panel, titled "IBM Knowledge Center", 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 this, there are three columns of links and information:

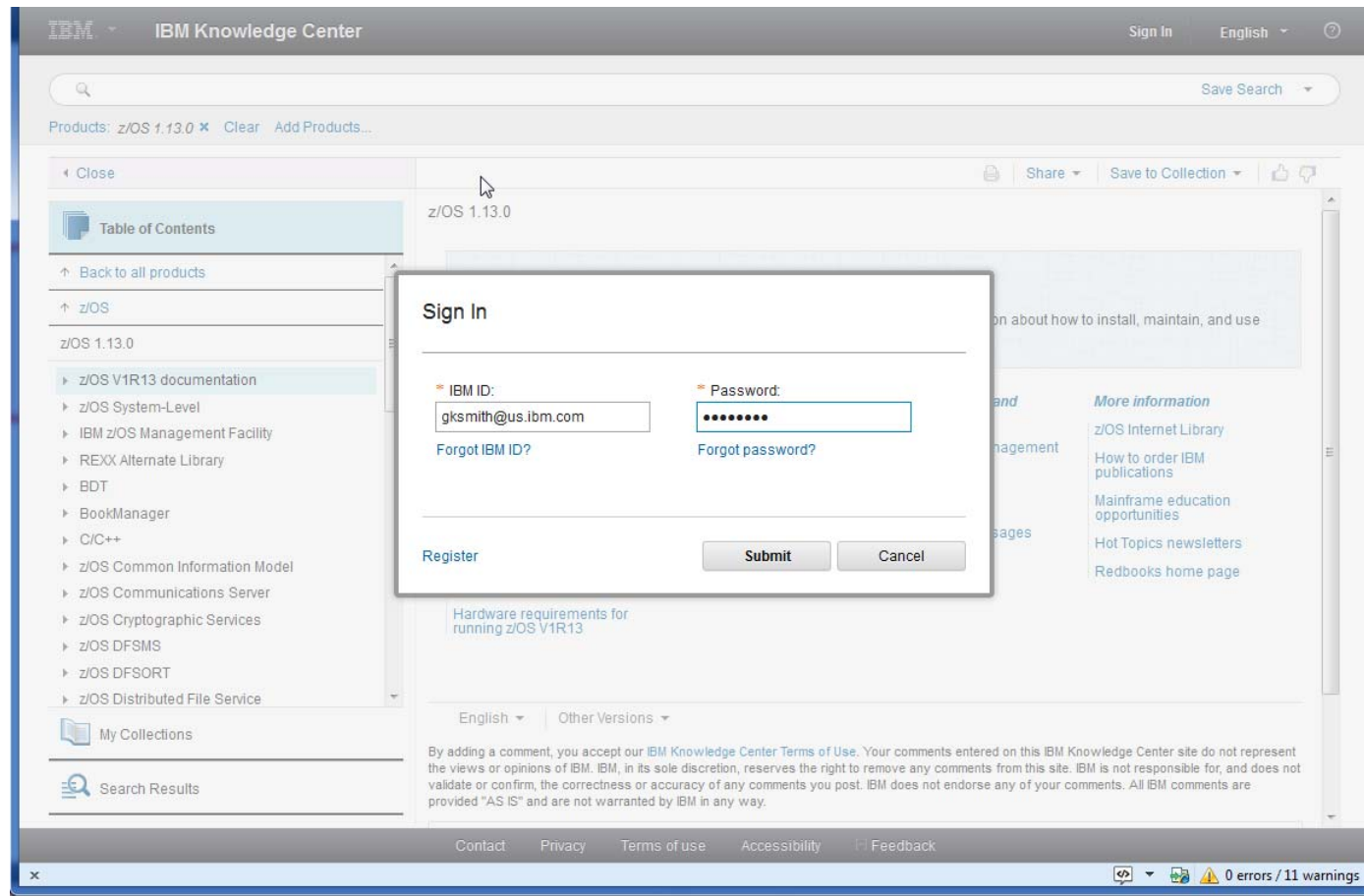
- Getting Started**: Includes links for "Search tips", "Searching within a product", and "Setting filters".
- My Knowledge Center**: Includes links for "Signing in", "Creating your collections", and "Adding comments".
- Resources**: Includes links for "IBM Support Portal" and "IBM Client Success Portal".

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



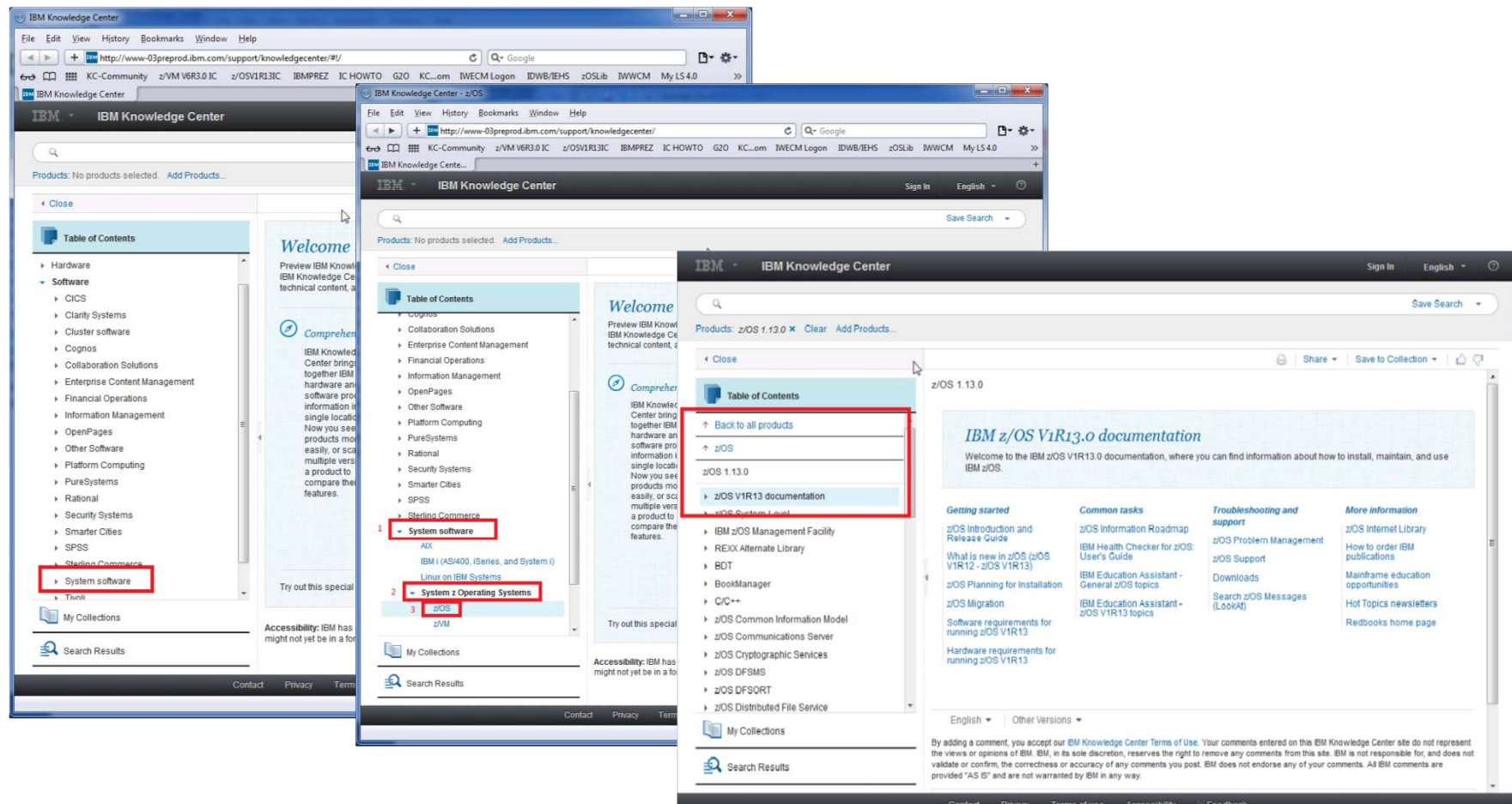
## Knowledge Center Sign-in Provides Personalization

Signing in with your IBM ID makes your customizations and collections persistent.



# Navigating Content

The navigation is based on IBM's product taxonomy

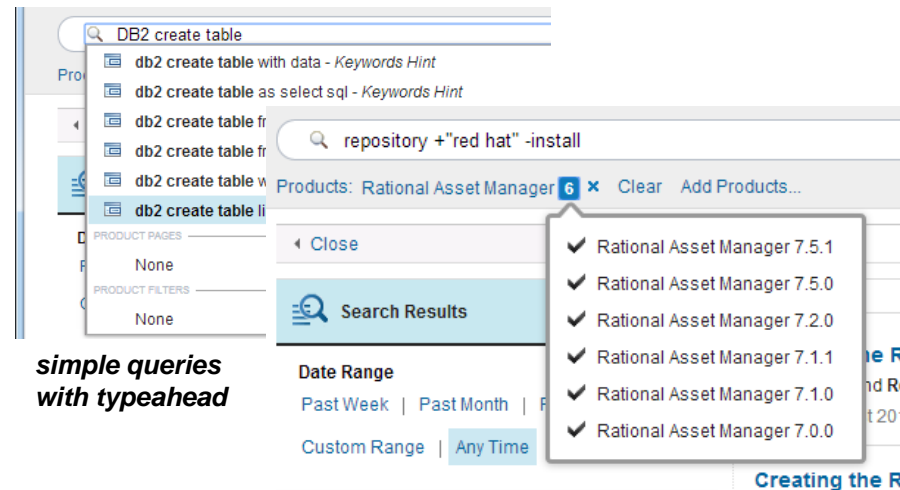




## Finding content in IBM Knowledge Center

### Fast search results with greatly improved relevance

- Simple type and enter keyword search, with type ahead
- Also supports word wildcards, Booleans, and complex queries
- Search across all IBM products, or only those you want



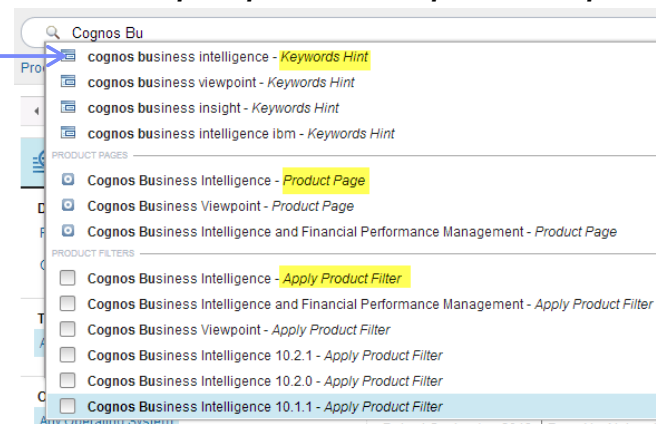
*simple queries with typeahead*

### Find products quickly to narrow searches

- Type ahead for **Product Pages** (all versions of a product) and to select **Product Filters** for search
- OR **add products** directly for search filtering

Products: WebSphere Application Server 6 x Clear Add Products...

- **Bookmark search queries and filters directly**, and share queries by emailing the IBM KC URL. If you use systems without stable bookmarks, or where you can't always get to your bookmarks across systems, log in to IBM KC and save up to 10 searches



*complex queries across products or product versions*

*find keywords, product pages (with all versions) or apply a product filter for search results with one click*

# Finding content in IBM Knowledge Center

Search results are always available to you as you work with content

- You can switch from Contents to Search Results and My Collections
- Search results show titles, summaries, and what product and version topics come from

The screenshot displays the IBM Knowledge Center search results for the query "create table Db2". The interface includes a search bar at the top with the query entered and a "Save Search" button. Below the search bar, there are filters for "Products" (DB2 for Linux, UNIX and Windows, DB2 for z/OS family) and "Search Options". The search results are displayed in a list format, showing titles, summaries, and dates. The results include:

- CREATE TABLE statement**: DB2 Universal Database Version 8 is going out of support as of April 30, 2009. More details are ... The CREATE TABLE statement defines a table. The definition ... Date: 14 May 2013 | Found in: DB2 for Linux, UNIX and Windows 8.2.0
- CREATE TABLE - IBM DB2 9.7 for Linux, UNIX, and Windows**: The CREATE TABLE statement defines a table. The definition must include its name and the names and attributes of its columns. The definition can include ... Date: 27 September 2012 | Found in: DB2 for Linux, UNIX and Windows 9.7.0
- CREATE TABLE**: DB2 Version 9 for Linux, UNIX, and Windows. CREATE TABLE statement: The CREATE TABLE statement defines a table. The definition must include its name ... Date: 4 July 2013 | Found in: DB2 for Linux, UNIX and Windows 9.1.0
- What's new in DB2 V10.1: ALTER TABLE and CREATE TABLE ...**: The COMPRESS clause for the ALTER TABLE and CREATE TABLE statements have a new format and the default compression method has changed. Also, the ... Date: 25 June 2013 | Found in: DB2 for Linux, UNIX and Windows 10.1.0
- Creating a table that uses compression - IBM DB2 9.7 for Linux ...**: When you create a new table, you can use the COMPRESS attribute for the CREATE TABLE command to enable compression. Date: 27 September 2012 | Found in: DB2 for Linux, UNIX and Windows 9.7.0
- DB2 9 - DB2 SQL - CREATE TABLE**: The CREATE TABLE statement defines a table. The definition must include its name and the names and attributes of its columns. The definition can include ... Date: 26 September 2013 | Found in: DB2 for z/OS 9.0.0
- Creating partitioned tables**: You can create a partitioned table by using the Create Table wizard in the DB2 Control Center or by using the CREATE TABLE statement. Prerequisites. Date: 4 July 2013 | Found in: DB2 for Linux, UNIX and Windows 9.1.0
- CREATE TABLE**: The CREATE TABLE statement defines a table. ... DB2 10.5 for Linux, UNIX, and Windows ... To create a created temporary table, use the CREATE GLOBAL ... Date: 17 July 2013 | Found in: DB2 for Linux, UNIX and Windows 10.5.0
- Creating table spaces - IBM DB2 9.7 for Linux, UNIX, and Windows**

The left sidebar contains navigation links: "Table of Contents" and "My Collections". The bottom of the page features a footer with links: "Contact", "Privacy", "Terms of use", "Accessibility", and "Feedback".

# Navigating content in IBM Knowledge Center

When you land on the new **product page** from a Web search (like Google)...  
...You can find the version of the product you want in the product links

The screenshot shows the IBM Knowledge Center interface for the Rational Asset Manager product. The left sidebar contains a 'Table of Contents' section with a list of product versions: Rational Asset Manager, Rational Asset Manager 7.5.1, Rational Asset Manager 7.5.0.2, Rational Asset Manager 7.2.0.2, Rational Asset Manager 7.1.1.1, Rational Asset Manager 7.1.0, and Rational Asset Manager 7.0.0. The main content area is titled 'Rational Asset Manager welcome page' and includes sections for 'Learn more', 'Find support', and 'Stay current'. The right sidebar contains links to 'developerWorks', 'Redbooks', and 'White papers'. A blue arrow points from the 'Table of Contents' section to the 'Rational Asset Manager' link. Another blue arrow points from the 'Redbooks' section to the 'Strategic Reuse with Asset-Based Development' link.

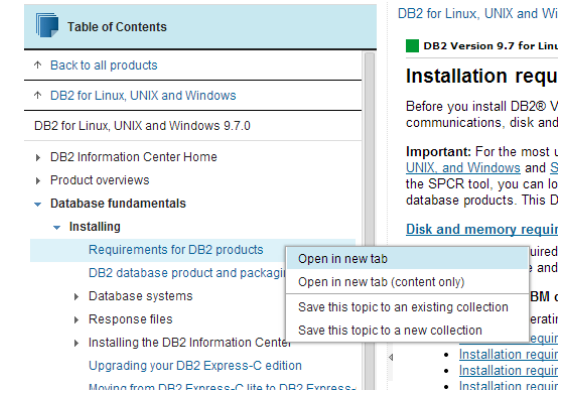
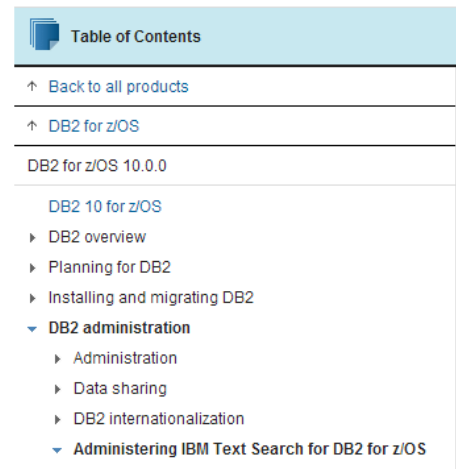
... You can find related resources from IBM Redbooks, developerWorks and White papers

***The new product pages in IBM KC contain all the versions of a product in one place, give you links to product related pages, and highlight product-specific content from IBM Redbooks, White papers, and developerWorks***

# Navigating content in IBM Knowledge Center

## Move through content like you did before...

- Navigation maintains hierarchy like ICs and other user assistance
- By default, navigating through products adds them to product search filters—automatically!
- You can “move up” to see families of related products or all of IBM’s product documentation in IBM KC
- Topics always synchronize with the page
- You can view only the topic by closing the Table of Contents, or launching just a topic in a tab for ease of reading



**Open topics directly in a new tab with a right-click**

CICS Transaction Gateway for z/OS 8.1.0 > CICS Transaction Gateway for z/OS V8.1 > High availability > TCP/IP load balancing > Port sharing

## Port sharing

TCP/IP port sharing enables requests for work to be shared between several Gateway daemons through a single TCP/IP port. Port sharing provides LPAR.

When connections are established between a Client application and a Gateway daemon, the TCP/IP port sharing component of the z/OS® TCP requests across multiple Gateway daemons. When the connection is established, subsequent requests from the Client application continue to

Parent topic: [TCP/IP load balancing](#)

[Information](#)  
[Feedback](#)

Last updated: Tuesday, 15 May 2012  
[http://www-01.ibm.com/support/knowledgecenter/api/content/SSZHI2\\_8.1.0/com.ibm.cics.tg.zos.doc/ctgzos/ipsportshr.html](http://www-01.ibm.com/support/knowledgecenter/api/content/SSZHI2_8.1.0/com.ibm.cics.tg.zos.doc/ctgzos/ipsportshr.html)

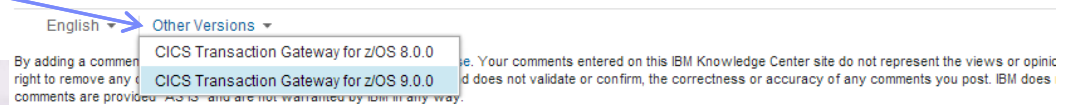
## Navigate document structure with breadcrumb links

## Need to return to a topic (or query with search filters)? Just bookmark it!

- If you can’t use bookmarks for topics, log in and create collections of topics you’re interested in. They’ll be there wherever you log in again.

## If Google takes you to the right product topic, but the wrong product version...

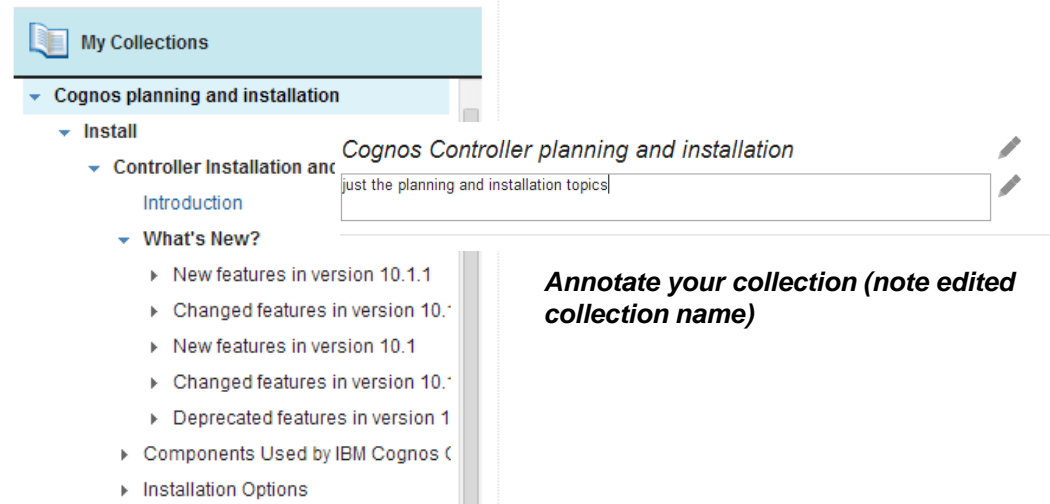
- Find different product versions of a topic in IBM KC at the end of each content page



## Customizing content in IBM Knowledge Center

**My Collections** lets you add one topic--or many topics--to a personal view of IBM content (based on your ibm.com log in)

- You can arrange and annotate your own Collection in ways that make sense to you
- You can view your collections anytime you log in to IBM Knowledge Center



**Annotate your collection (note edited collection name)**

**Create PDF** output “on demand” of your collection for printing or sharing

[Create PDF File](#) | [Edit](#)

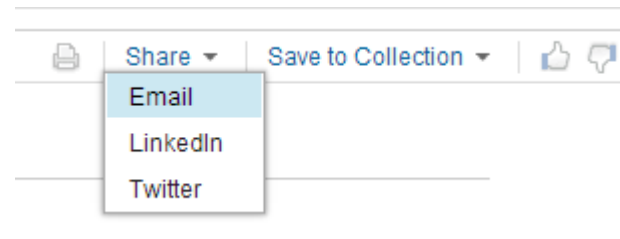
*CICS TS*

Click [Edit](#) to modify, organize, and remove topics from your collection.

## Sharing and commenting on content in IBM Knowledge Center

- Share topics directly to LinkedIn, Twitter, or by email

- Rate topics you like  
(or those you don't)



▼ Comments (2) [Add Comment](#)

**No Videos?** by [redacted] on 12 December 2013

I'm using a chrome browser and I do not see the video or link mentioned.

[Add Response](#)

**No Videos?** by [redacted] on 21 January 2014

Hi [redacted]

Can you see the video directly on YouTube here:  
<http://www.youtube.com/watch?v=E4xn9njbKE#t=31>

If your system or network is blocking YouTube then you won't see the pass-through video here.

[Add Response](#)

- Send us private feedback on topics or on IBM Knowledge Center (in the footer section)



## IBM Knowledge Center 1.5 Customer Installed

IBM Knowledge Center 1.5 “Customer Installed” (IBM KC CI) edition is a repackaging of IBM Knowledge Center 1.5 @ ibm.com for local product delivery to a fat client, customer intranet. or disconnected use

### Ease of use

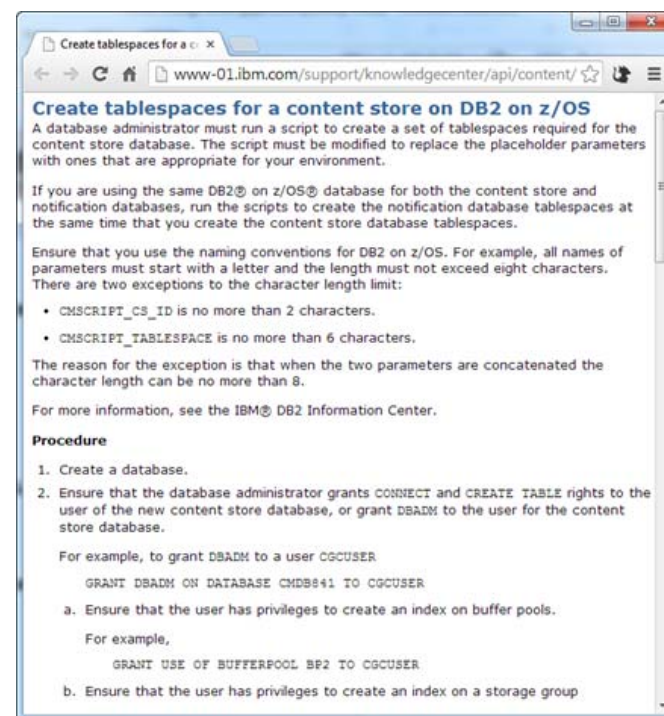
- Customers can search, browse, and filter content in the same way they would with KC Hosted. There are no “log-in” profile-based functions, however (no commenting, no personal collections, no sharing or saving of information, no entitled content).
- Products can present IBM KC CI in “full view” or in a content-only mode, for those products wanting to use it in a very simple fashion or from web interfaces
- Customers can use IBM KC CI in a variety of contexts, including as a standalone Web application with a built-in server, a WAR file, and as a local client application that will run from local, ROM, or portable media.

### Ease of content contribution

- IBM authors (and IBM partners and customers) can contribute content to IBM KC CI in the same way as IBM KC Hosted
- Authors can provide pre-built search indexes for performance or IBM KC CI will dynamically build them
- Authors can provide branding for products in the banner area of KC CI

### Ease of packaging and distribution

- Products can package and distribute IBM KC CI along with their products. Customers will receive IBM KC CI with their IBM products and can distribute IBM content easily to their users.



## Search by Element Library – Proof of Concept


The screenshot shows the IBM Knowledge Center search interface. The search bar contains the text "Compiler for REXX on zSeries". Below the search bar, the results are filtered by the "REXX Alternative Library". The left sidebar shows filters for "Date Range" (Past Week, Past Month, Past Year, Custom Range, Any Time), "Tasks" (Any Task), and "Operating Systems" (Any Operating System). The main content area displays a list of search results, all dated December 5, 2014, and found in the "REXX Alternative Library". The results include:

- IBM Compiler for REXX on zSeries
- IBM Compiler and Library for REXX on zSeries Publications
- IBM Compiler and Library for REXX on zSeries Publications
- Abstract for IBM Compiler and Library for REXX on zSeries Diagnosis Guide
- Abstract for IBM Compiler and Library for REXX on zSeries User's Guide and Reference

Also improves search context because results are scoped to one element library



# Search Individual Books – Proof of Concept




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 Serializati
- 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:



[Sign In](#)
English

[Save Search](#)

Search Filters: No products selected. ☒ Auto-select | [Add Products...](#)

- Table of Contents
- My Collections
- Search Results

**Date Range**

[Past Week](#) | [Past Month](#) | [Past Year](#)

[Custom Range](#) | [Any Time](#)

**Tasks**

[Any Task](#)

**Operating Systems**

[Any Operating System](#)

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

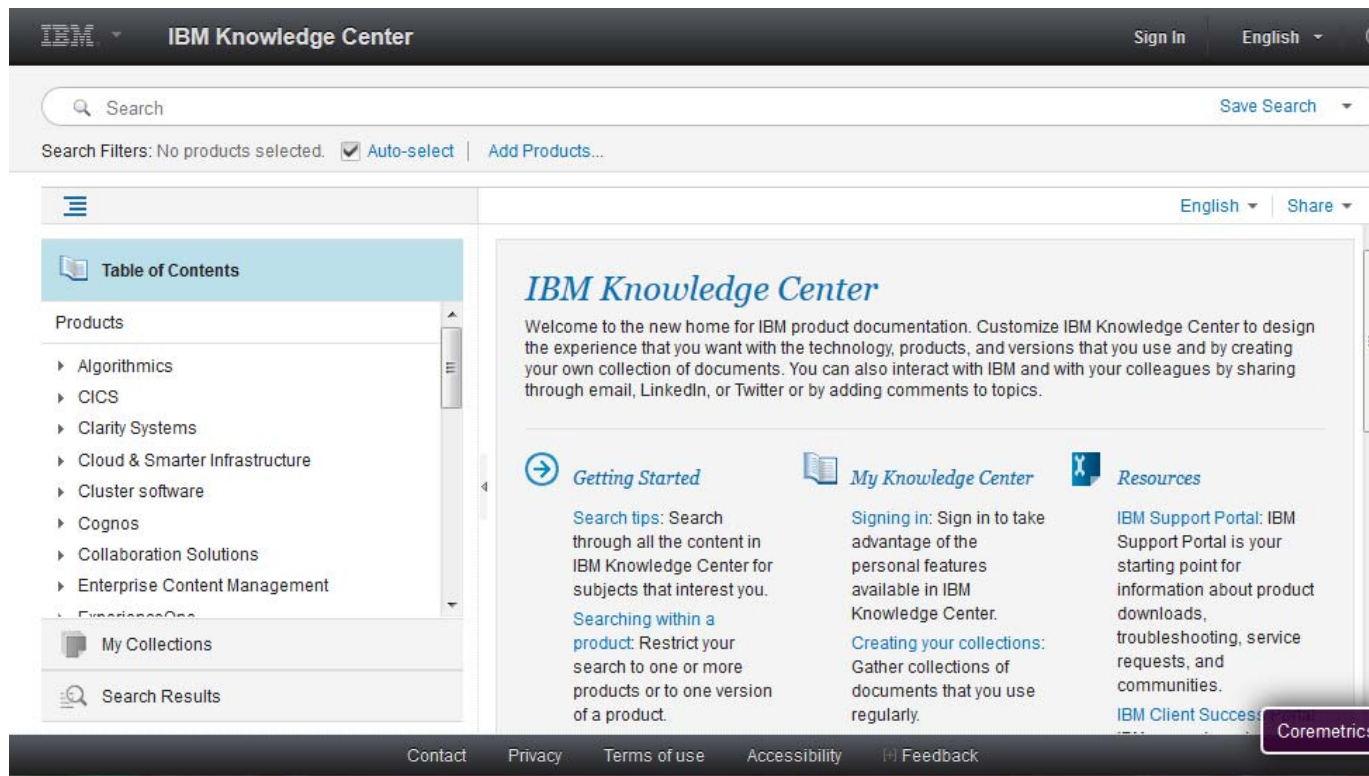
**DISPLAY command**

Use the **DISPLAY** system command to **display** information about the operating system, the jobs and application programs that are running, the processor, ...

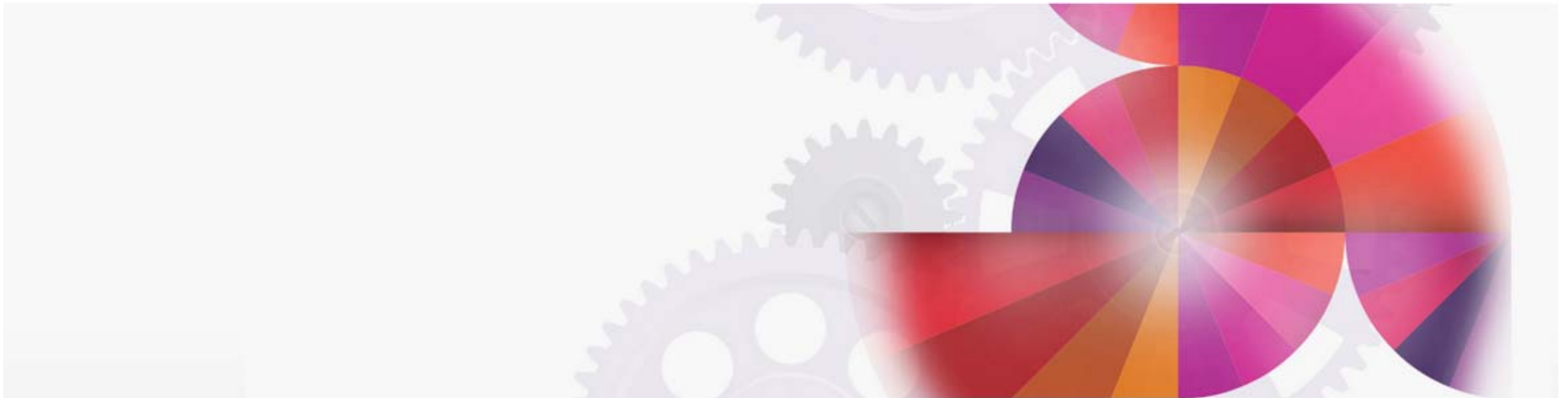
Date: February 6, 2015 | Found in: z/OS 2.1.0

## Thoughts Suggestions Questions and or Complaints

- Fill out the survey
- You can send us feedback directly by sending it to our support email address:  
**ibmkc@us.ibm.com**



# Mobile Function



## IBM Knowledge Center mobile beta now available!

- Our new IBM Knowledge Center mobile beta is available and supports iOS and Android. You can get to it here:  
<http://www.ibm.com/support/knowledgecenter/mobile/>
- The mobile site lets you:
  - 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 you want to read later to "My Collections" of the desktop application. When you sign into the desktop after doing this in mobile, the topics you added are shown in a special entry called "Added from IBM Knowledge Center Mobile"
  - IBM KC Mobile beta also lets you switch back to the full desktop site from the options page.



## IBM Knowledge Center Mobile – Designed for Smartphones



1. Simple search query; note that products and potentially content sources across IBM can also be selected

2. Type-ahead assist

3. Search results, with "add to My Collections"

4. "mobile" topic reveal



## Anatomy of Search Results on Mobile

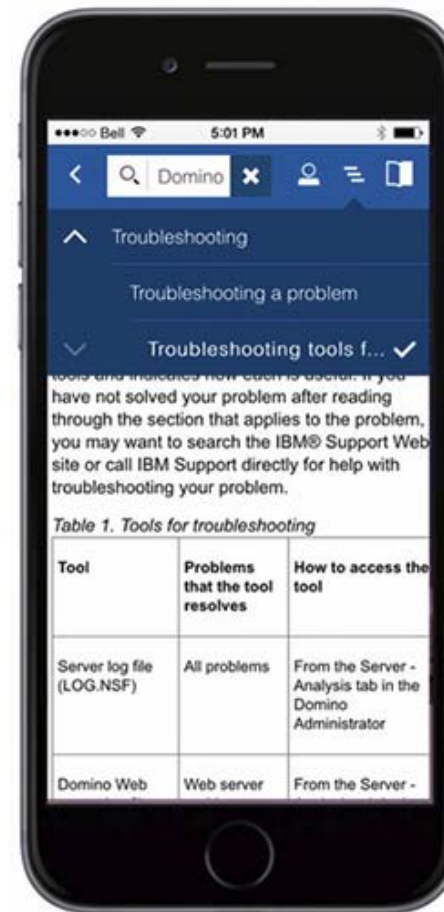


## Knowledge Center Mobile – Filter Results and Breadcrumbs to Aid Navigation

Limit your search results by product and version and use type-ahead to find products quickly



Use the new mobile breadcrumbs button to find your place in the table of contents, and tap to move to other topics

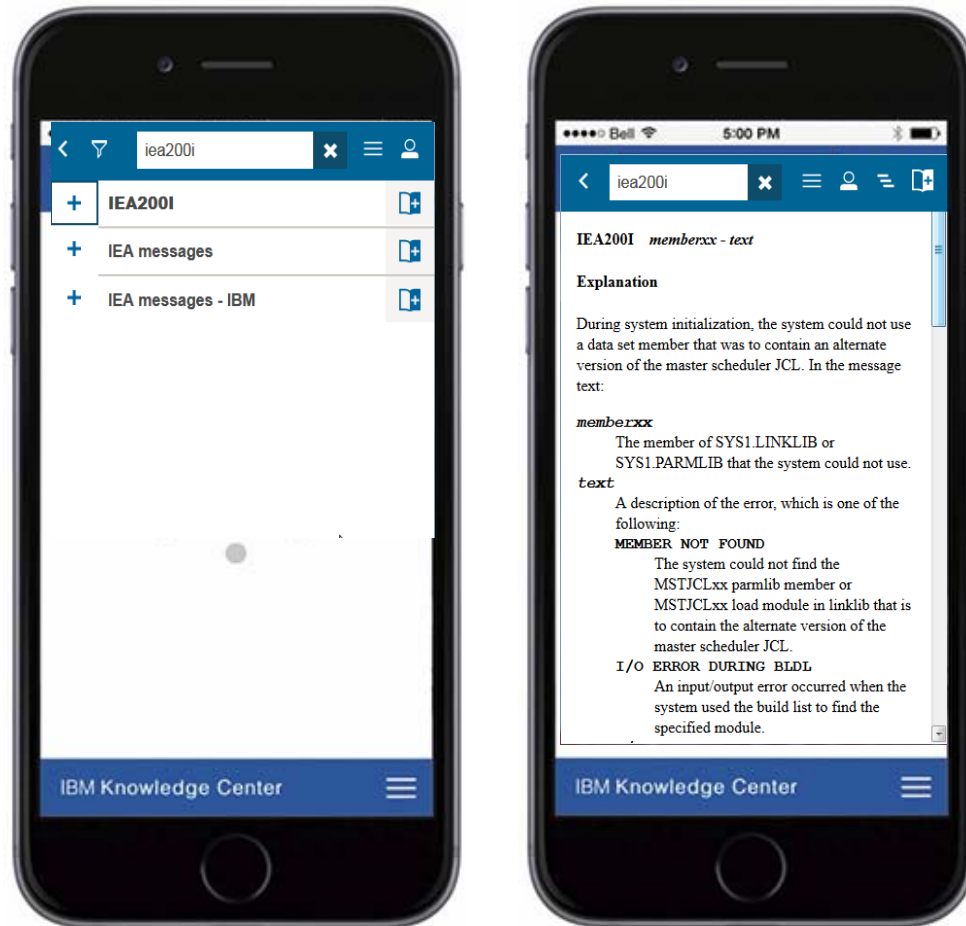


## Demonstration of the Mobile Interface for IBM Knowledge Center

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

Search for content you want. The mobile app is based on searching for content quickly. Here we're searching for a z/OS message: `iea200i`

We hope you like it!  
You can send us feedback directly by sending it to our support email address:  
[ibmkc@us.ibm.com](mailto:ibmkc@us.ibm.com)..  
Early in the 2015, we'll also have other ways for you to send us feedback.





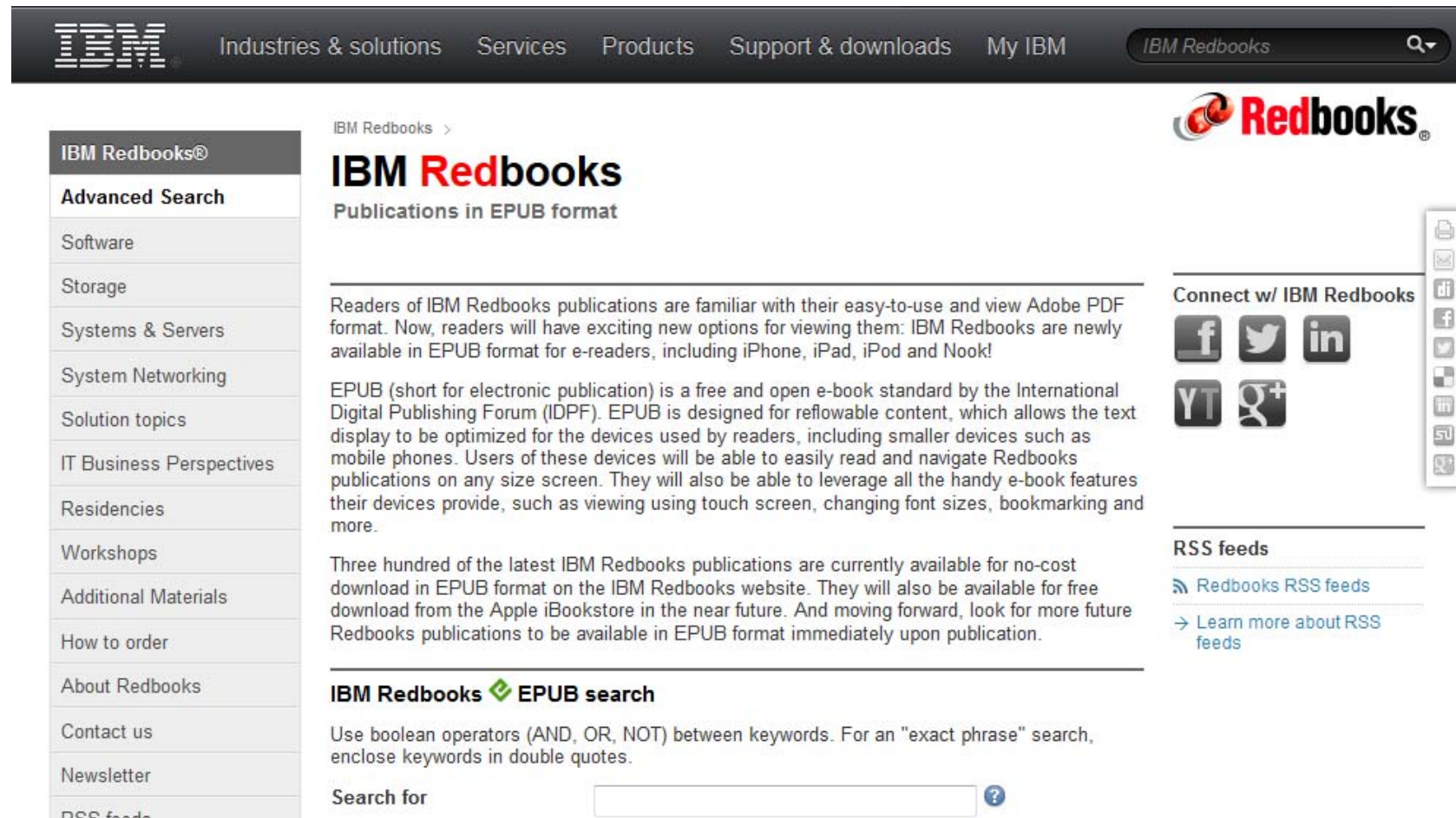
## Planned for z/OS V2R2 – ePub Format



- EPUB (short for electronic publication) is a free and open e-book standard by the International Digital Publishing Forum (IDPF). EPUB is designed for reflowable content, which allows the text display to be optimized for the devices used by readers, including smaller devices such as mobile phones. Users of these devices will be able to easily read and navigate Redbooks publications on any size screen. They will also be able to leverage all the handy e-book features their devices provide, such as viewing using touch screen, changing font sizes, bookmarking and more.
- Three hundred of the latest IBM Redbooks publications are currently available for no-cost download in EPUB format on the IBM Redbooks website. They are also be available for free download from the Apple iBookstore in the near future. And moving forward, look for more future Redbooks publications to be available in EPUB format immediately upon publication.
- Starting with z/OS V2R2, we will be offering e-Pub format for the z/OS base library. They will be available for individual download or you can download the entire release all at once as a e-Pub collection from the IBM Publication Center.

## Today - IBM Redbooks in ePub Format

<http://www.redbooks.ibm.com/redbooks.nsf/epub?Open>



The screenshot shows the IBM Redbooks website. The top navigation bar includes links for Industries & solutions, Services, Products, Support & downloads, and My IBM, along with a search bar labeled "IBM Redbooks". The left sidebar contains a list of categories: IBM Redbooks®, Advanced Search, Software, Storage, Systems & Servers, System Networking, Solution topics, IT Business Perspectives, Residencies, Workshops, Additional Materials, How to order, About Redbooks, Contact us, Newsletter, and RSS feeds. The main content area features the "IBM Redbooks" logo and the heading "Publications in EPUB format". The text explains that IBM Redbooks are now available in EPUB format for e-readers like iPhone, iPad, iPod, and Nook. It also mentions that EPUB is a free and open e-book standard designed for reflowable content. A section titled "IBM Redbooks EPUB search" provides instructions on using boolean operators and a search box with a help icon. On the right, there are social media links for Facebook, Twitter, LinkedIn, YouTube, and Google+, and a section for RSS feeds with a link to "Redbooks RSS feeds" and a link to "Learn more about RSS feeds".

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## IBM Redbooks

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### IBM Redbooks EPUB search

Use boolean operators (AND, OR, NOT) between keywords. For an "exact phrase" search, enclose keywords in double quotes.

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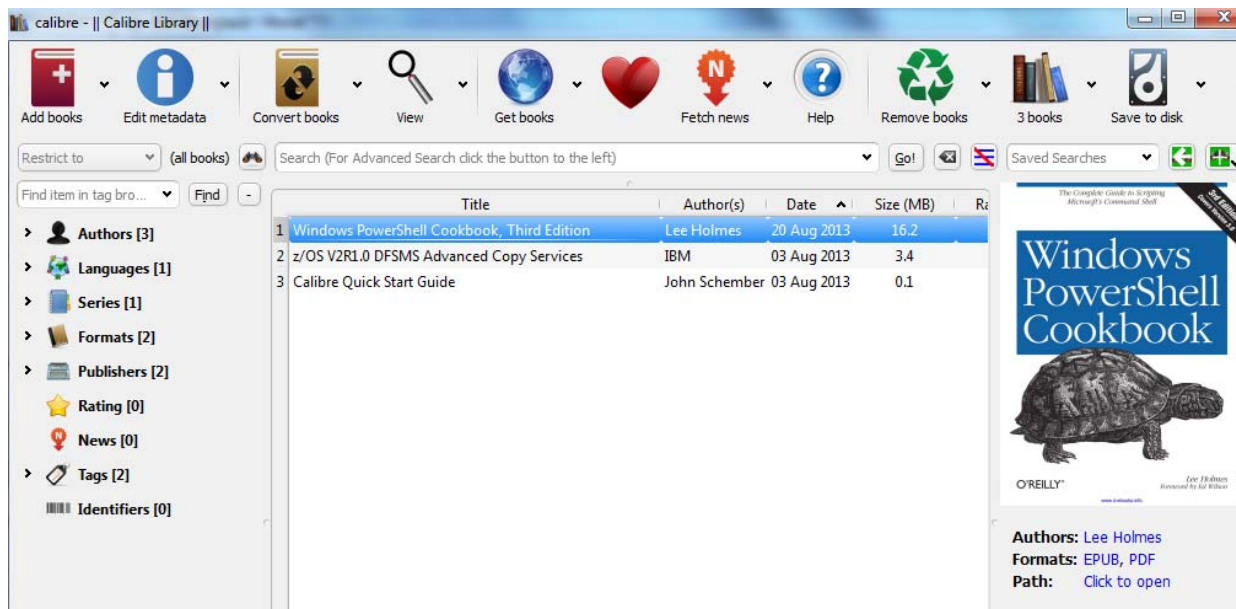
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- Various readers are available -- IBM does not recommend any one reader.
- For personal use, I use Calibre, but there are many others



# Thank You

