



# *The Future of z Systems Documentation*

## IBM Knowledge Center and Beyond

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# Information overload and the tools we use

- Agile and DevOps methodology
- IBM Design Thinking
- IBM Knowledge Center
- IBM Watson and cognitive computing
- Hot Topics, Redbooks, and Communities





# Agile and DevOps Methodology

Susan Shumway, [chalensk@us.ibm.com](mailto:chalensk@us.ibm.com)

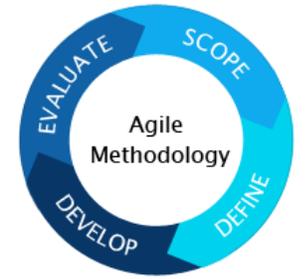


# How we are using Agile and DevOps methodologies

- Agile
- DevOps



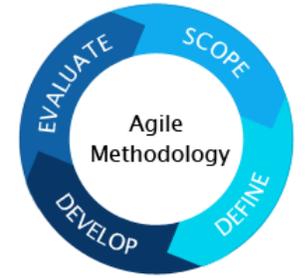
# What is Agile?



Defined as a project management alternative to traditional “waterfall” development, characterized by:

- Incremental, iterative work cadences, known as sprints or iterations
- Regular assessment of the direction of a project throughout the development lifecycle
- Project redirection whenever deemed necessary
- Potential delivery of a consumable product increment at the end of a sprint/iteration
  - “Continuous delivery” = software can be reliably released at any time. Every change is deployable to production, but a team **may choose to not deploy it**.

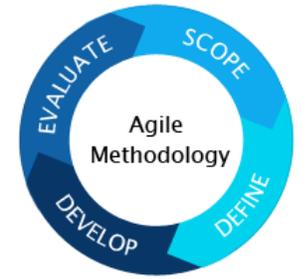
# What is Agile? (cont.)



- Around for decades
  - “Agile methodology” originally introduced in the late 1970s
  - "Manifesto for Agile Software Development" first proclaimed in 2001
- Successfully implemented by many top companies (Google, Facebook, PayPal), for example:
  - Agile transformation at **Nationwide** led to **50% improvement in code quality**
  - Agile transformation at **Cars.com** led to **7.5x more releases per year**
  - Agile transformation at **Cap Gemini** led to **25% faster to market**
  - Agile transformation and SAFe adoption at **Telstra Corporation** led to **fewer mistakes**
- z/OS development use = ~ 5 years



# How does Agile impact the z Systems information?



Information for a function is written in the same sprint/iteration as the coding and testing of the function, not long afterward like in previous waterfall models.

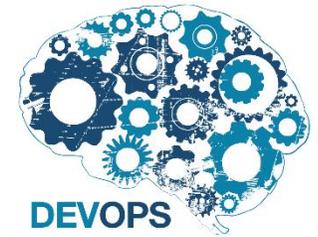
This promotes:

- More efficient workload balancing
  - (A piece of work is completed, then everybody moves on to the next one)
- Faster turnaround of and more complete technical reviews
  - (Everybody works on the same piece of work at the same time)
- Greater accuracy of the information
  - (Function is fresh in everybody's minds)

= Higher quality of the end product



# What is DevOps (DEvelopment OPerationS)?

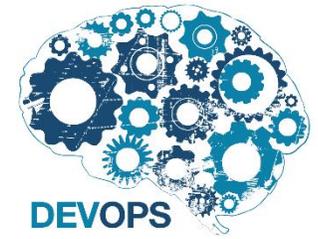


Defined as the practice of operations and development engineers participating together in the entire service lifecycle, from early design of the product through service of the shipped product.

All disciplines (design, code, documentation, test, build, support, etc.) are involved, with equal influence, at all stages of product development.



# How does DevOps impact the z Systems information?



The product documentation team members are involved in all aspects of product development.

This promotes:

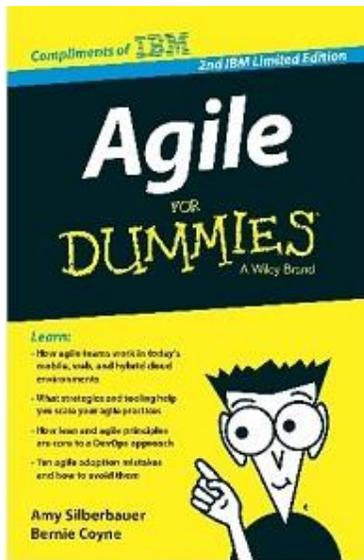
- Greater understanding of the product
  - (Everybody provides input on the design and participates in testing)
- Greater understanding of what we need and what the stakeholder (test, user, etc.) after us needs
  - (Everybody communicates efficiently and continuously)

= Higher quality of the end product



# Agile resources

- IBM Lean and Agile development: [ibm.com/ibm/devops/us/en/agile/](https://ibm.com/ibm/devops/us/en/agile/)
- IBM Lean and Agile case studies and additional resources: [ibm.com/software/rational/agile/casestudies/](https://ibm.com/software/rational/agile/casestudies/)



- Agile for Dummies (IBM edition): [www.amazon.com/Agile-Dummies-IBM-Limited/dp/111830506X](https://www.amazon.com/Agile-Dummies-IBM-Limited/dp/111830506X)





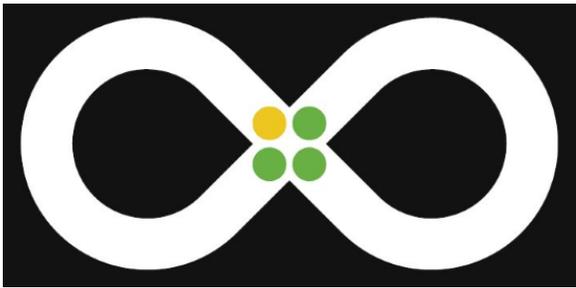
# IBM Design Thinking

The future of information delivery  
Jodi Everdon, [jeverdon@us.ibm.com](mailto:jeverdon@us.ibm.com)



# IBM Design Thinking





# The Design Loop: Human-centered outcomes at speed and scale



- **A focus on user outcomes.** There are many ways to prioritize work and define goals. If you choose to prioritize the needs of the people who will use your solution, IBM Design Thinking is for you.



- **Multidisciplinary teams.** When you need to move fast, there's no time for waterfall processes. You need a great multidisciplinary team. If you have one, you're ready to go. Otherwise, help your leadership understand the gap.



- **Everything is a prototype.** Everything—even in-market solutions. When you think of everything as just another iteration, you're empowered to bring new thinking to even the oldest problems.



# Mission of IBM Design Thinking

[www.youtube.com/watch?v=RcOtXkihBXU](http://www.youtube.com/watch?v=RcOtXkihBXU)



# Keys to IBM Design Thinking

Three of the most important techniques for scaling design thinking to complex teams and projects:



- **Hills:** Align complex teams around a common understanding of the most important user outcomes to achieve.



- **Playbacks:** Bring your extended team and stakeholders into the loop in a safe, inclusive space to reflect on the work.



- **Sponsor Users:** Collaborate with real users to increase your speed and close the gap between your assumptions and your users' reality.



# Design Thinking is everywhere

Design thinking is a necessary skill in today's business culture.

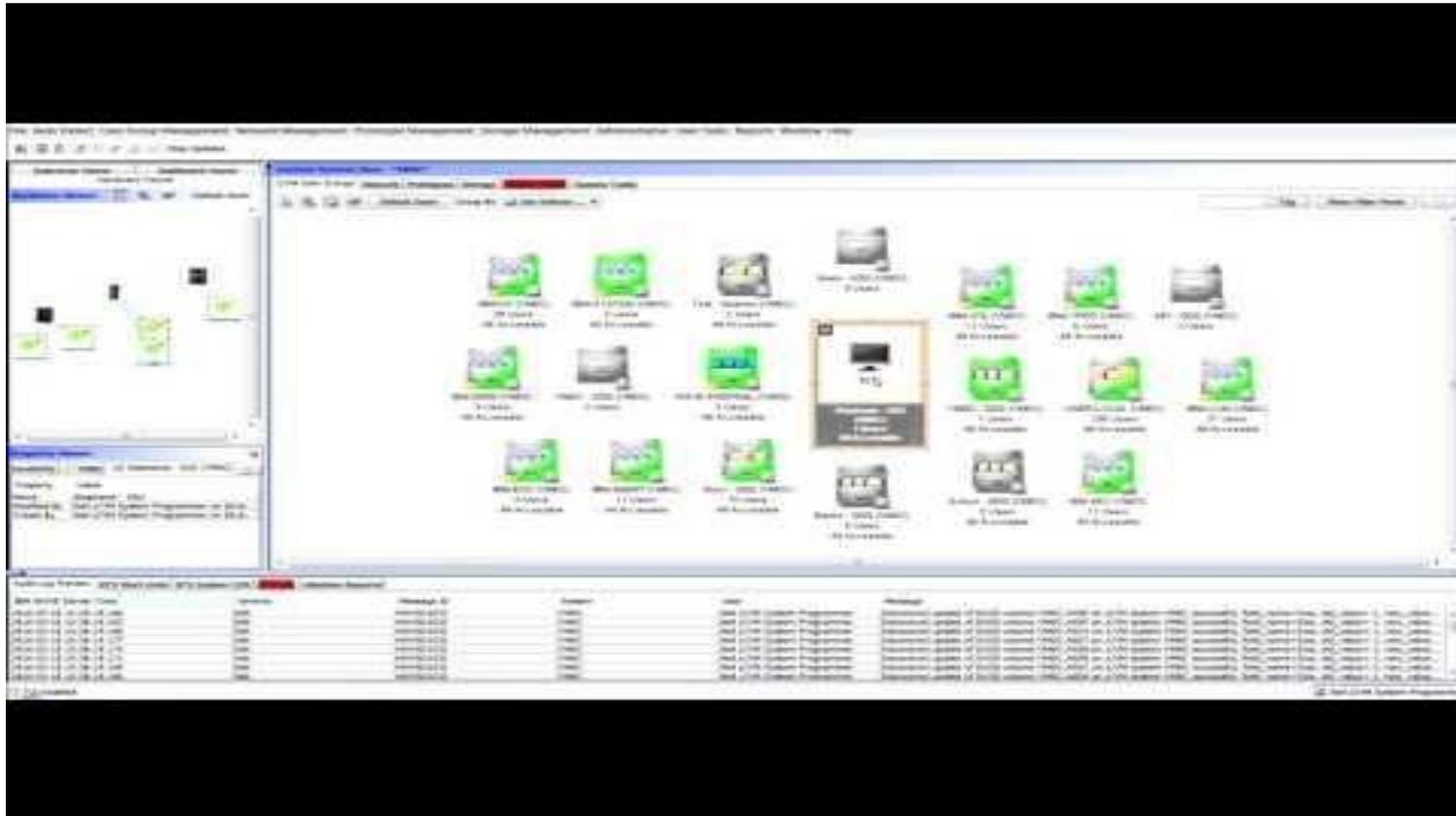
Some examples of critical applications for design thinking:

- Developing new products
- Developing new features for an existing product
- Enhancing the look and feel of a product or updating a website
- Guiding strategic direction
- Solving difficult problems
- Helping decision-makers with tough choices
- Building cognitive solutions with IBM Watson using Bluemix



# IBM Design Thinking in action

[www.youtube.com/watch?v=EVhwFpqOpJs](http://www.youtube.com/watch?v=EVhwFpqOpJs)



# Design resources

To learn more about IBM Design Thinking from IBM and other perspectives:

- **IBM Design Thinking Resources:** [ibm.com/design](http://ibm.com/design) and [ibm.com/design/research](http://ibm.com/design/research)
- **Transforming z Systems**, by Kirsten McDonald and Iris Rivera at the 2016 ECC Conference: [ecc.marist.edu/documents/367507/562924/BrunnerIBM+DT+KBM+IMR+Transforming+z+ECC+2016.pdf](http://ecc.marist.edu/documents/367507/562924/BrunnerIBM+DT+KBM+IMR+Transforming+z+ECC+2016.pdf)
- **“IBM’s Design-Centered Strategy to Set Free the Squares”** - Steve Lohr, New York Times
- [Design at Wired.com](http://Design.at.Wired.com)
- **Stanford Design School: Crash Course** [dschool.stanford.edu/dgift/](http://dschool.stanford.edu/dgift/)





# IBM Knowledge Center

Geoff Smith, [gksmith@us.ibm.com](mailto:gksmith@us.ibm.com)



# z/OS information challenges

- Better search – the ability to find the right information quickly and easily
- Currency – provide real time updates to large mainframe libraries
- Skills – the majority of people who work with mainframes are leaving and people new to the platform need to be productive quickly.
- Bridging the UI divide – Green Screen versus Touch Screen
  - z/OSMF simplifies tasks and eliminates documentation
  - Workflows simplify tasks and eliminate documentation
  - Tools



# General review of IBM Knowledge Centers

- Developed to replace information centers and bring all IBM documentation under one website.
- KC flavors:
  - IBM Knowledge Center Hosted – Delivered on the internet
  - IBM Knowledge Center Hosted – Mobile Edition
  - IBM Knowledge Center for Customer Install (Windows)
  - IBM Knowledge Center for z/OS Customer Install (new element of z/OS in V2R2)
- Differences:
  - Hosted versions leverage IBM login to let you save searches and provide more of a personalized user experience.
  - Knowledge Center Customer Install (“KC-CI”) provides a standalone KC but it does not include personalization functions.
- IBM Knowledge Center versions:
  - The current version is 2.0: [ibm.com/support/knowledgecenter/](http://ibm.com/support/knowledgecenter/)



# IBM Knowledge Center for z/OS (KC4z)

KC4z serves IBM product publication content to web browser clients from the z/OS server system.

KC4z provides the ability to display, navigate and search content in a manner similar to the Knowledge Center hosted on ibm.com.

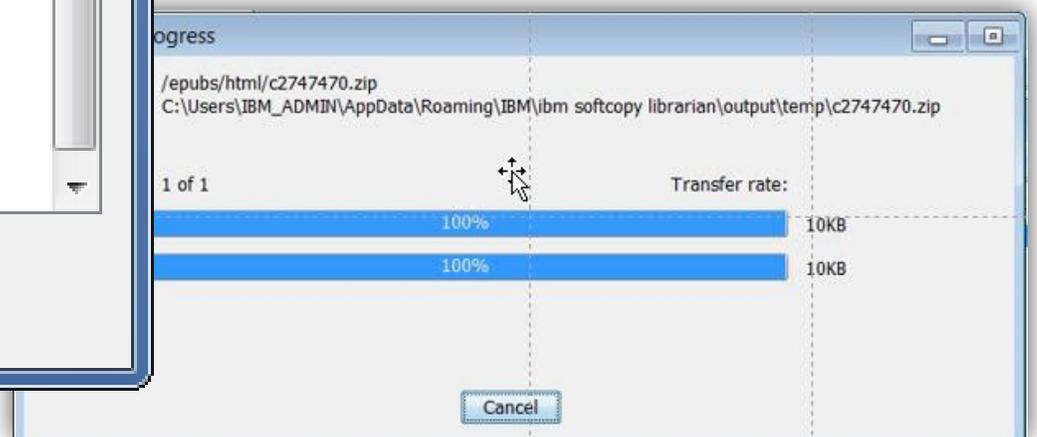
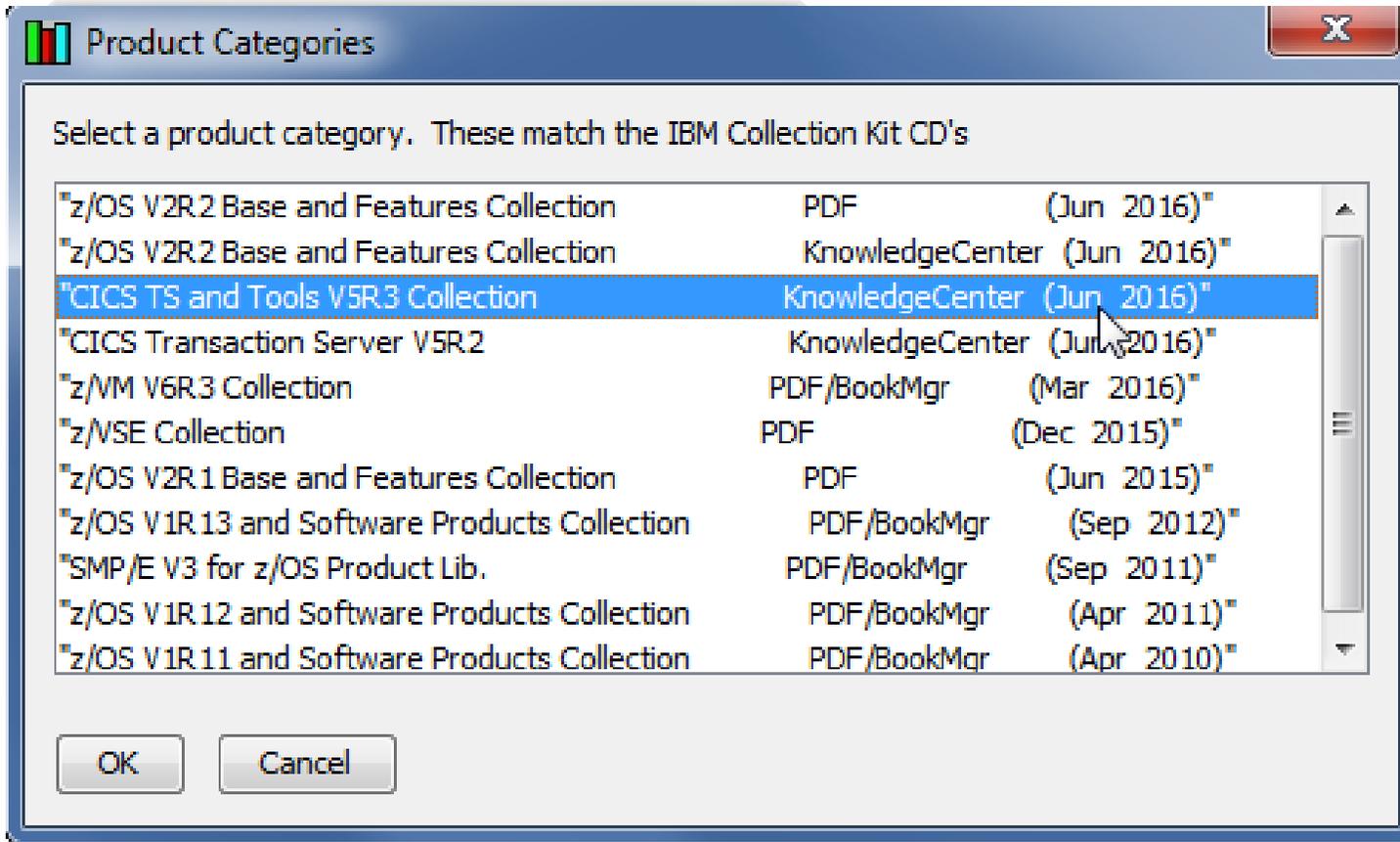
You can automatically add content to and maintain content in KC4z zFS repositories using the enhanced Softcopy Librarian tool.

By adding and maintaining content, KC4z can serve product publications for many different IBM products.

The screenshot displays the IBM Knowledge Center for z/OS (KC4z) web interface. The header includes the IBM logo and the text "IBM Knowledge Center" on the left, and "English" with a globe icon on the right. Below the header is a search bar with the placeholder text "Enter search terms". Underneath the search bar, it shows "Search Filters: No products selected." followed by a checked "Auto-select" checkbox and a link "Add Products...". A navigation menu on the left side includes a "Table of Contents" link and a "Products" section with a sub-link for "Library Server for z/OS" and a link for "Other Software". The main content area features the heading "IBM Knowledge Center" and a welcome message: "Welcome to the new installable framework for IBM product documentation. IBM Knowledge Center provides a way to deliver product documentation for use on an intranet or a disconnected client. This content has been assembled to help you use an IBM product or solution effectively. Click the links on this page for information about IBM Knowledge Center features and entry points to useful IBM resources. If you have access to the Internet, take advantage of the full range of features available on the IBM Knowledge Center hosted site at <http://www.ibm.com/support/knowledgecenter/>." Below this, there are two columns of links: "Getting Started" with sub-links for "Search tips", "Searching within a product", and "Setting filters"; and "Resources" with sub-links for "IBM Support Portal", "IBM Client Success Portal", "IBM Technical Content Twitter site", and "IBM Technical Content Blog". At the bottom of the main content area, there is an "Accessibility" notice and "Build info" (Build Version: KC\_C1\_1.5v201408111832-GM-FP1.1 (Mon, 11 Aug 2014 17:32:05 EST), Taxo Version: 4.0.15). A "Search Results" section is visible at the bottom left. The footer contains links for "Contact", "Privacy", "Terms of use", and "Accessibility".



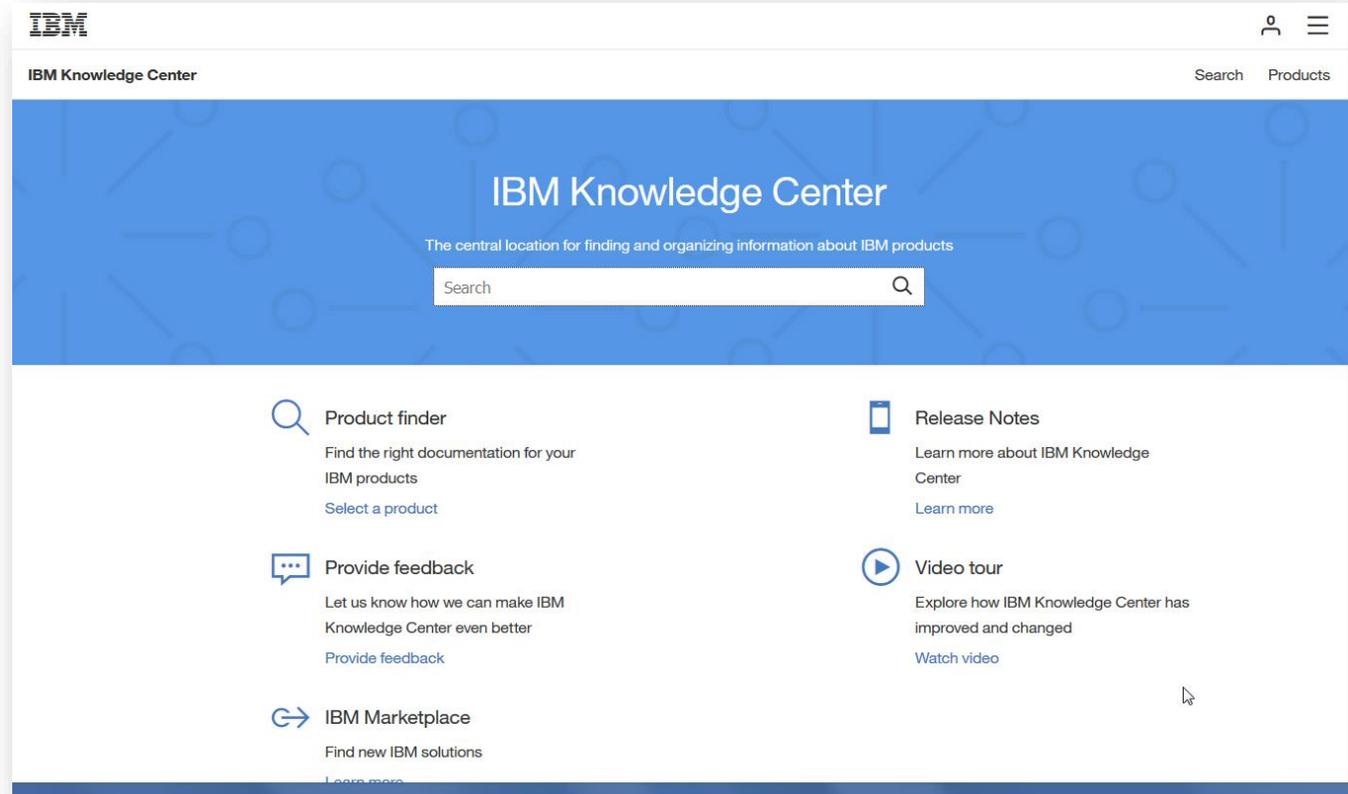
# Softcopy Librarian (SCL) – Used to populate KC on z/OS



If you need additional libraries, send email to the individual product libraries.  
You may also want to add your support to RFE 84246, which requests more KC4Z content.

# Knowledge Center 2.0

- IBM Knowledge Center 2.0 was developed using IBM Design Thinking methodology, which is an iterative process that involves customers in the design process.
- New Improved Interface – compliant with **ibm.com**
- Improved Context in Search Results
- Improved navigation throughout
- Optimized mobile interface for smaller mobile devices that will automatically detect the device and change to optimize the display



**Tip:** View the Video tour for a quick overview of how to easily utilize the new features of Knowledge Center 2.0

# IBM Knowledge Center improvements

## Knowledge Center 1.5

- **User interface** – Too complex and confusing and not compliant with emerging standards
- **Navigation** – Exposed the unnecessary details of IBM's product taxonomy with the table of contents
- **Search context** – Not enough context in search
- **Speed** – Too slow

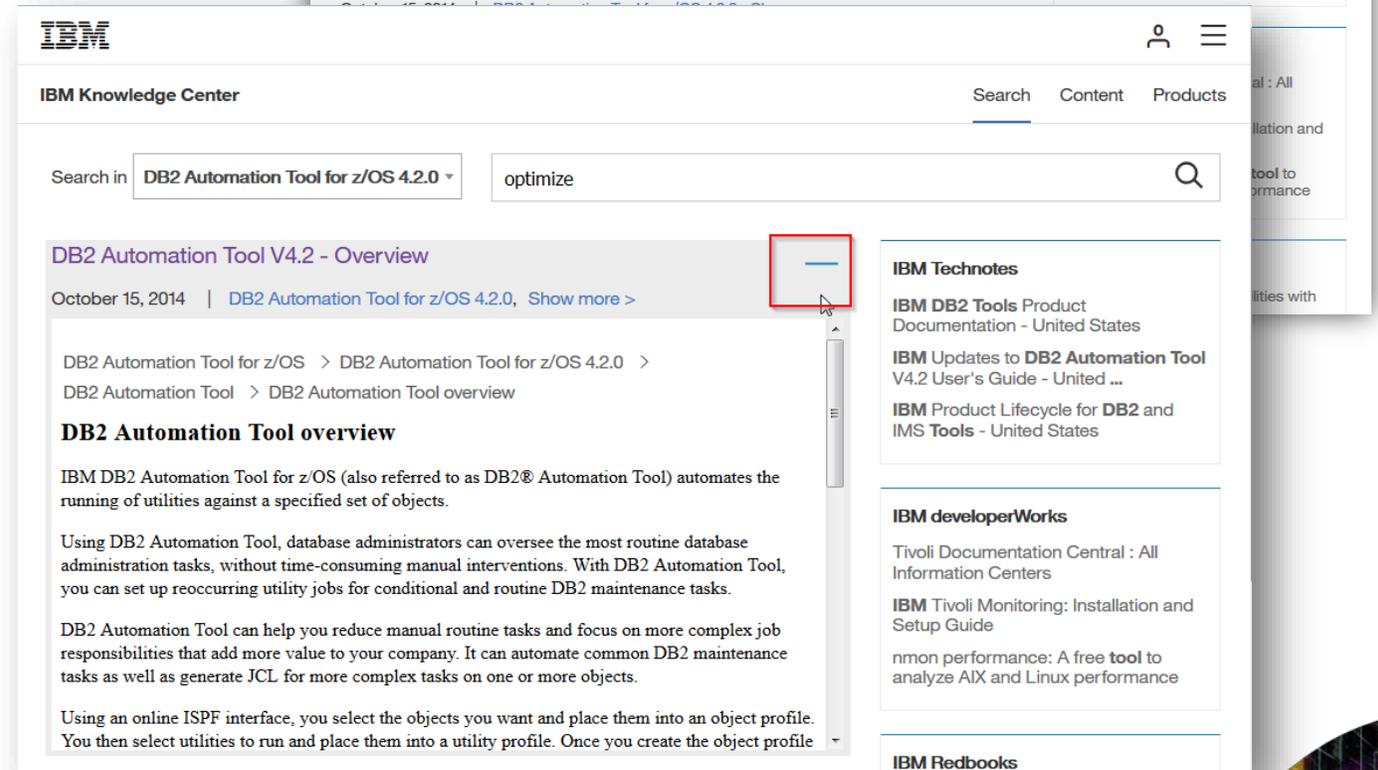
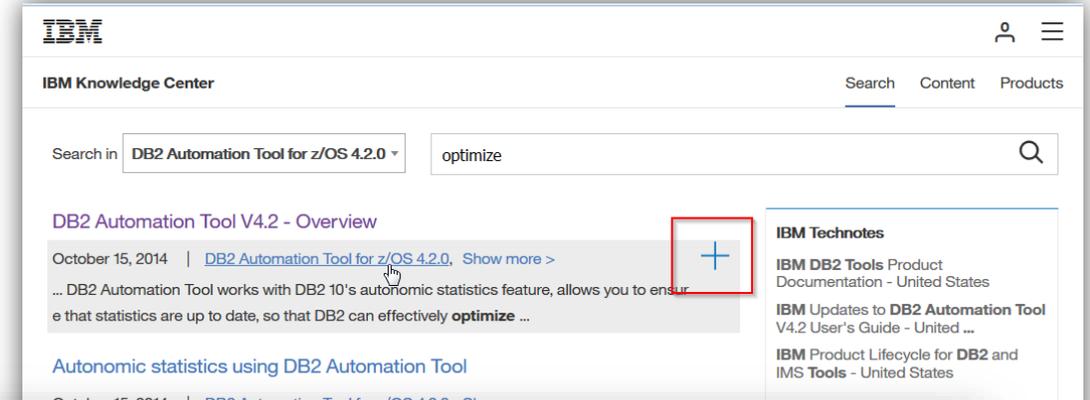
## Knowledge Center 2.0

- **User interface** – Dramatically simpler: used web statistics to determine unused functions, such as Collections and custom PDFs, and removed them
- **Navigation** – Simplified by listing just the product names
- **Search context** – Search results provide a preview function
- **Speed** – Redesigned internals dramatically improves responsiveness



# Searching KC 2.0

- The top complaint from users of KC 1.5 typically was ... Not enough context in search results
- New preview function lets you see results before going to them
- Hover over the results and a plus sign lets you preview the content
- In addition, we are requesting the addition of the book title to the results to provide even more context



# About search scopes

- Search scopes are based on product taxonomies.
- There is a scope for each product release

The screenshot shows the IBM Knowledge Center website. On the left, a sidebar lists various products including 3592 Enterprise Tape System, AIX, and Algo Credit Manager. The main content area features a search bar with the text "Enter a product name". Below the search bar, a dropdown menu is open, displaying a list of search scopes for "DB2 for z/OS": "Select", "Version 12.0.0", "Version 11.0.0", "Version 10.0.0", and "Version 9.0.0". The "Select" option is currently selected. The background of the page is blue with a geometric pattern. At the bottom, there are three columns of links: "Learn more" (with links to home page, skills center, and best practices), "Find documentation" (with links to product documentation for versions 12, 11, and 10), and "Find support" (with links to support, downloads, IDUG forum, and contacting support).



# z/OS search scopes – Improvements underway

- z/OS consists of several components, so search scopes at the release level are very large.
- We restructuring our z/OS KC to break up the content into as many component parts for larger element libraries.
- This will result in a scope or, in BookManager terms, a shelf for the elements
- At the same time, we plan to remove duplicate content that is common to each release.

The image displays two screenshots of the IBM Knowledge Center (KC) interface, illustrating search improvements for z/OS components.

**Top Screenshot:** Shows the IBM Knowledge Center search page. The search bar contains the text "High Level Assembler and Toolkit Feature", which is highlighted with a red box. Below the search bar, a list of product categories is visible, including "DB2 for z/OS", "IBM Wave for z/VM", "IMS", "KVM for IBM z Systems", "z/OS", "z/OS Basic Skills", "z/OS Communications Server", "z/OS Management Facility", "z/OS XL C/C++", and "z/VM".

**Bottom Screenshot:** Shows the search results for the query "compile" under the selected scope "High Level Assembler and Toolkit Feature 1.6.0". The search bar contains "High Level Assembler and Toolkit Feature 1.6.0" and "compile". The results list includes:

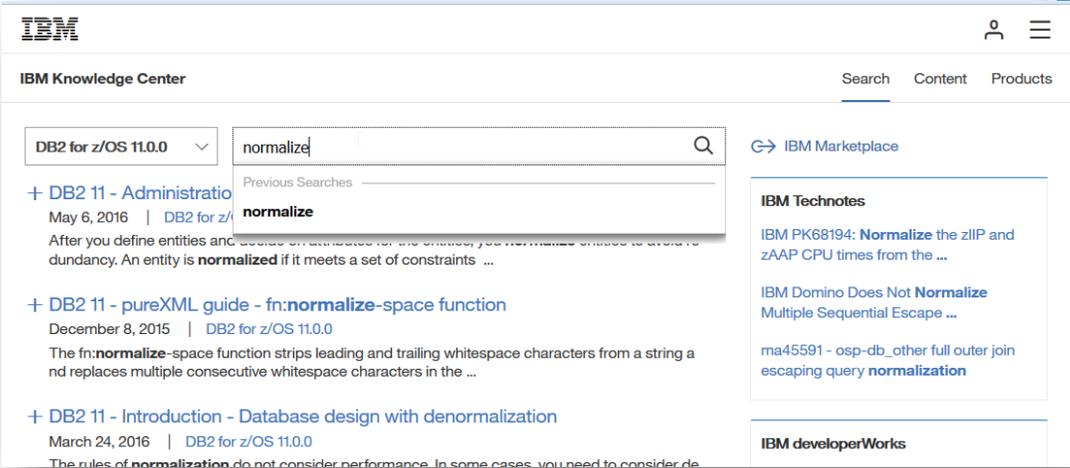
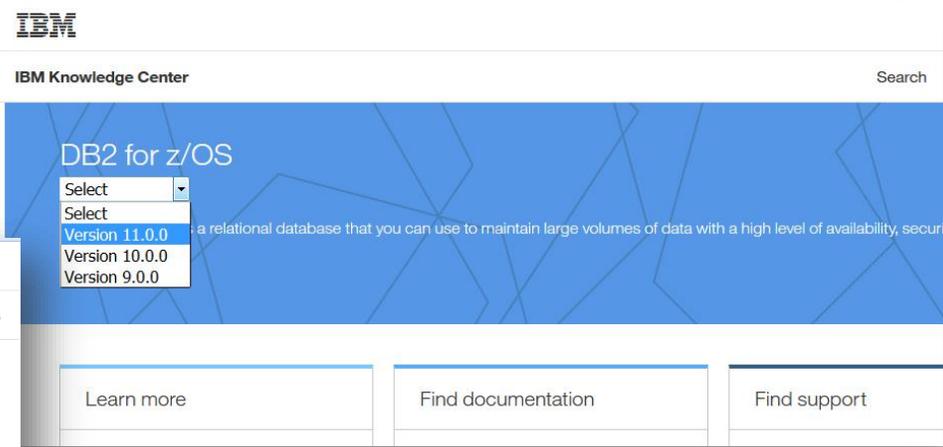
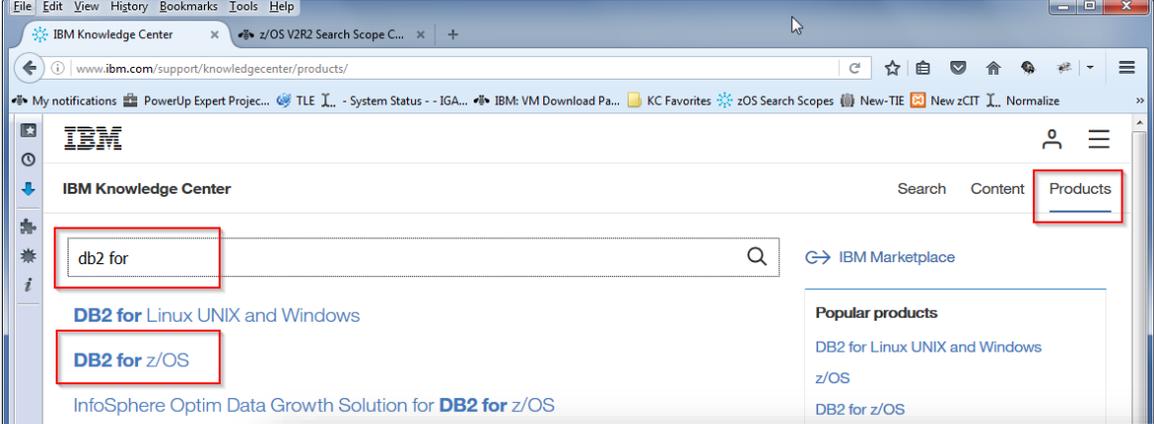
- Specifying that an exit routine is **compiled** code** (June 21, 2016 | High Level Assembler and Toolkit Feature 1.6.0)
- + Requirements for **compiled**-language exit routines** (June 21, 2016 | High Level Assembler and Toolkit Feature 1.6.0)
- + Writing a **compiled**-language IDF exit routine** (June 21, 2016 | High Level Assembler and Toolkit Feature 1.6.0)
- + ADATA **Compilation** Unit Start/End Record-X'0002'** (June 21, 2016 | High Level Assembler and Toolkit Feature 1.6.0)

The bottom screenshot also shows a sidebar with "IBM Technotes" and "IBM developerWorks" sections, providing additional context for the search results.

# Using IBM Knowledge Center 2.0

## Three easy steps

1. Find your product.  
Click on “Products” link and start typing the product name until it appears in the list.
2. Select the product and version you are interested in
3. Enter your search term and click search



# Improvements

## **z/OS Product Documentation**

- We are restructuring our documentation to provide smaller search scopes
- Eliminating redundant information
- Provide the ability to search at the book level
- Working with the corporate team to drive improvements that our customers want.
- We are working to facilitate more content for Knowledge Center for z/OS

## **Knowledge Center Design Thinking**

If you are interested in volunteering to join in the design thinking work to make Knowledge Center better, contact the product manager, Jamie Roberts ([robertsj@ca.ibm.com](mailto:robertsj@ca.ibm.com))



# Search Scope Catalog - Experimental

Designed for z/OS to let users search at the element/feature level and at the book level.

[www.ibm.com/support/knowledgecenter/SSLTBW\\_2.2.0/com.ibm.zos.v2r2/zos-search/zossearchscopes.html](http://www.ibm.com/support/knowledgecenter/SSLTBW_2.2.0/com.ibm.zos.v2r2/zos-search/zossearchscopes.html)

The image shows a composite of three browser window screenshots. The leftmost window displays the main page of the 'z/OS V2R2 Search Scope Catalog - Experimental' with a version dropdown set to 2.2.0 and a search category selector. The middle window shows a dropdown menu for 'z/OS V2R2 DFSMS\* Library' with various search scope options, including 'Search all z/OS DFSMS content' and 'Search only z/OS DFSMSdfp content'. The rightmost window shows search results for 'storage limit(inurl:ida200 OR antg000' with articles like 'Specifying an on-demand migration number of conc...' and 'Using the SMS enhancements'.



## Additional resource: Adobe indexed PDF collections \*\*

We created this deliverable based on comments from the SHARE closed door and discussion sessions.

- Our survey indicated that most customers download PDFs to create a personal repository for offline or emergency use.
- Customers requested an easy way to download all PDFs at once.
- Customers also wanted a search that showed the type of context they were accustomed to with BookManager.

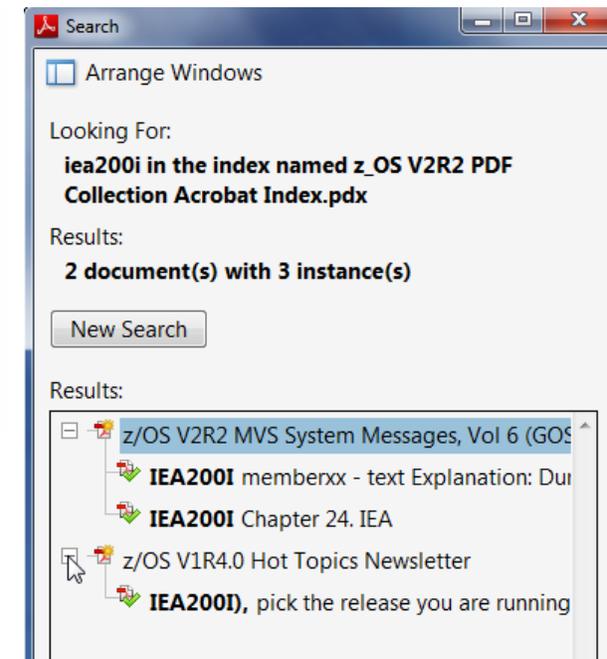
[publibfp.dhe.ibm.com/epubs/html/c2784301/c2784301.zip](http://publibfp.dhe.ibm.com/epubs/html/c2784301/c2784301.zip)

\*\*Note: We are introducing an “Adobe indexed PDF collection” which uses standard Adobe indexes. We plan to stop producing collections that use IBM’s proprietary Advanced Linguistic Search (ALS) by z/OS V2R3.

Name	Type	Compressed size	Password
z_OS V2R2 PDF Collection Acrobat Index.pdx	Adobe Acrobat Catalog In...	1 KB	No
izuz5101.pdf	Adobe Acrobat Document	770 KB	No
izuz3111.pdf	Adobe Acrobat Document	1,414 KB	No
izu27200.pdf	Adobe Acrobat Document	1,366 KB	No
izu23200.pdf	Adobe Acrobat Document	1,587 KB	No
izu22100.pdf	Adobe Acrobat Document	551 KB	No
izu21100.pdf	Adobe Acrobat Document	77 KB	No
isp2ug10.pdf	Adobe Acrobat Document	1,807 KB	No

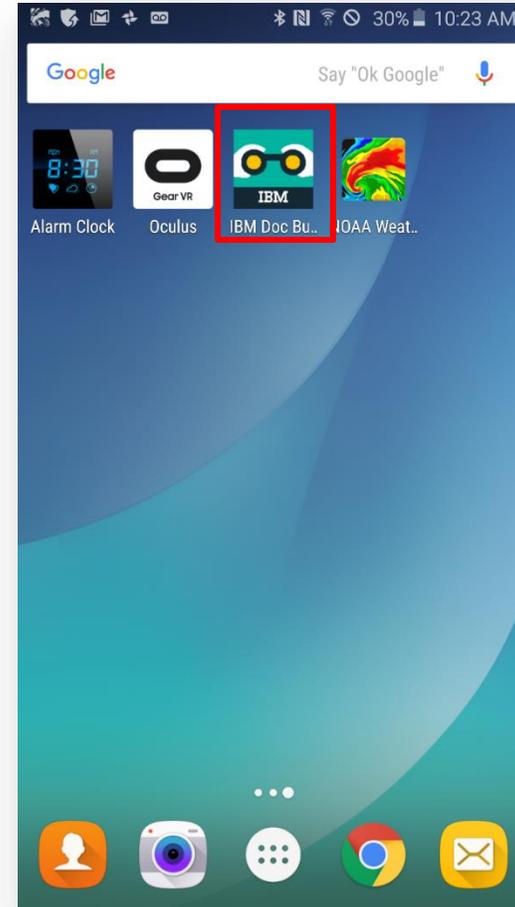
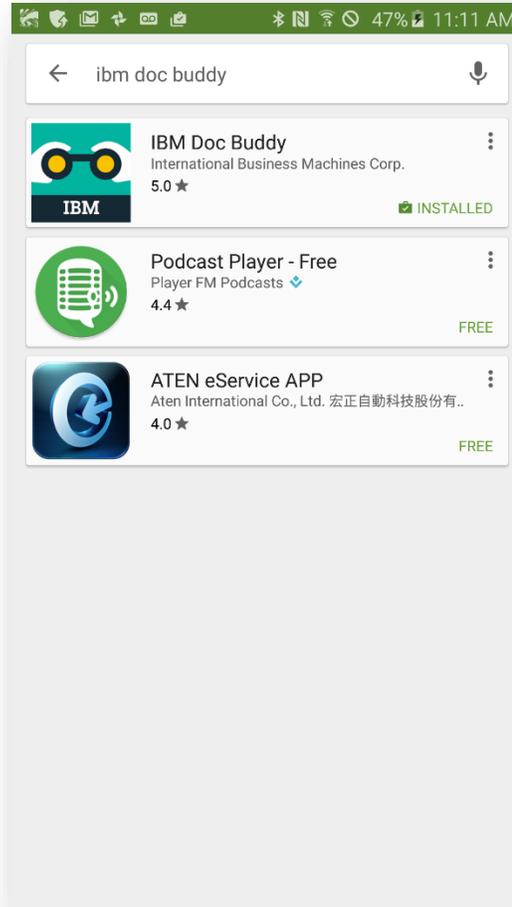
Benefits:

1. Provides standalone library
2. Provides a full text search with good context



# Message lookup for Android: IBM Doc Buddy

Install the app from the Google Play catalog.

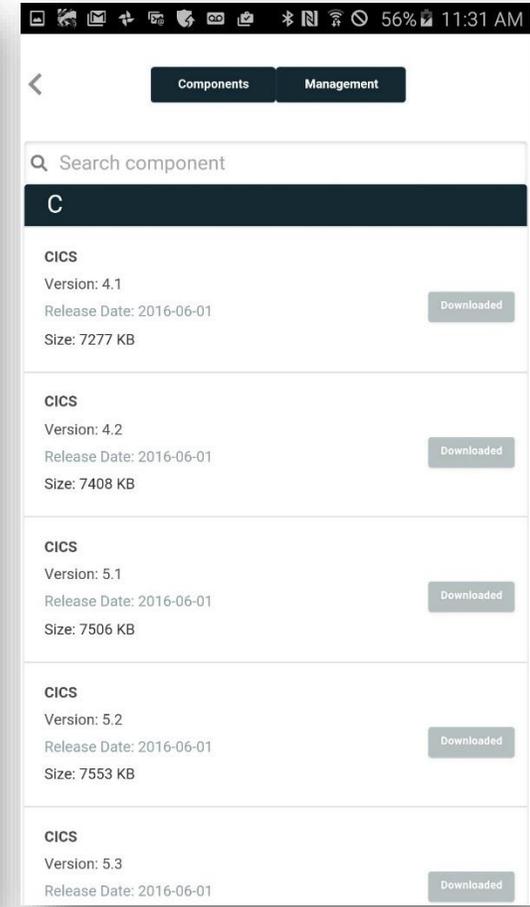
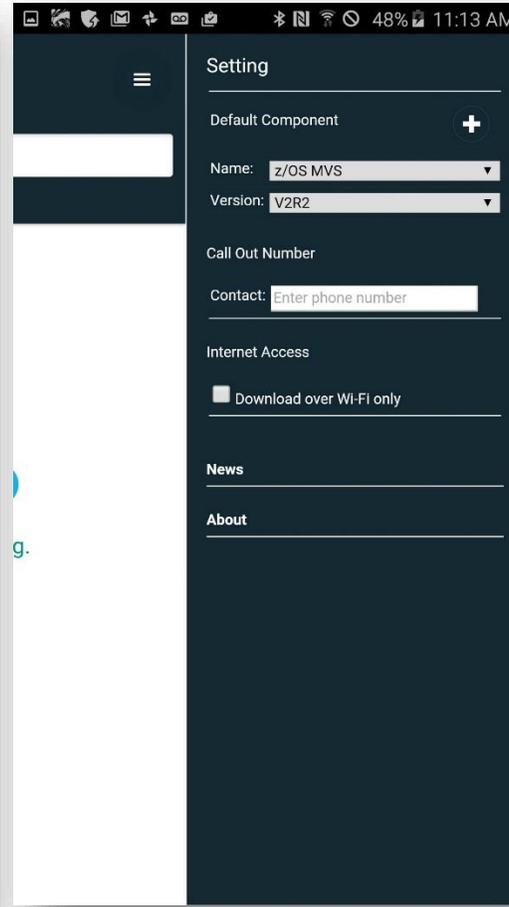
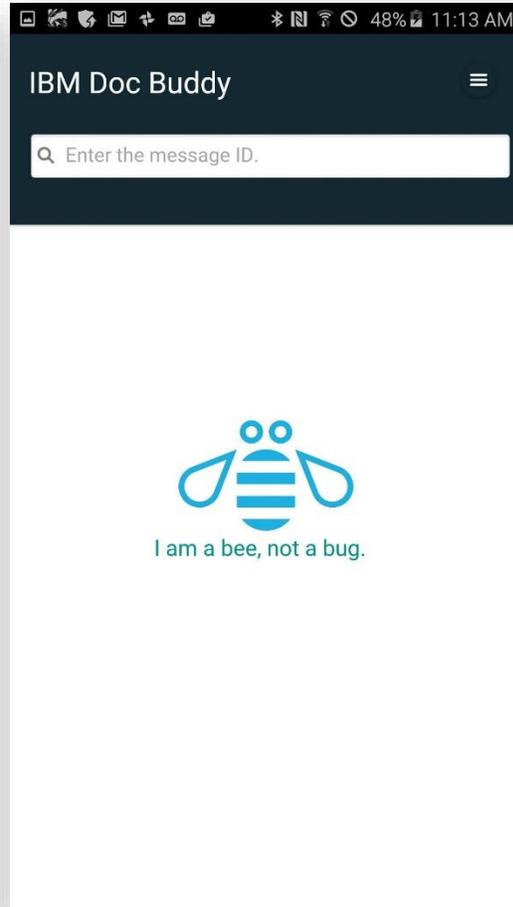


After installation, click on the icon to launch the app for the first time.



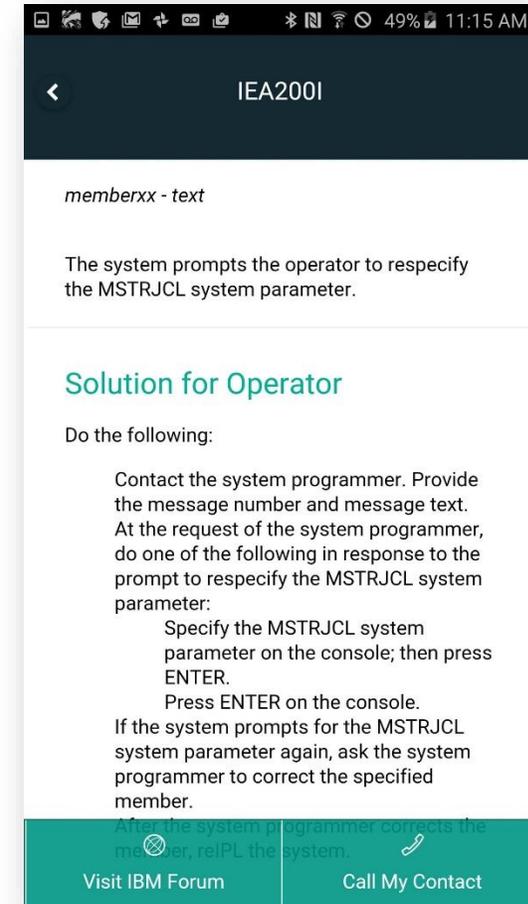
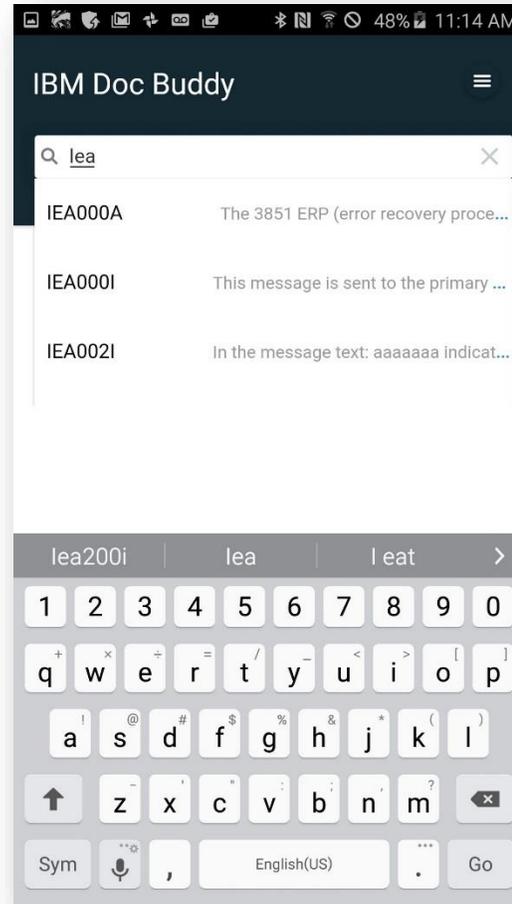
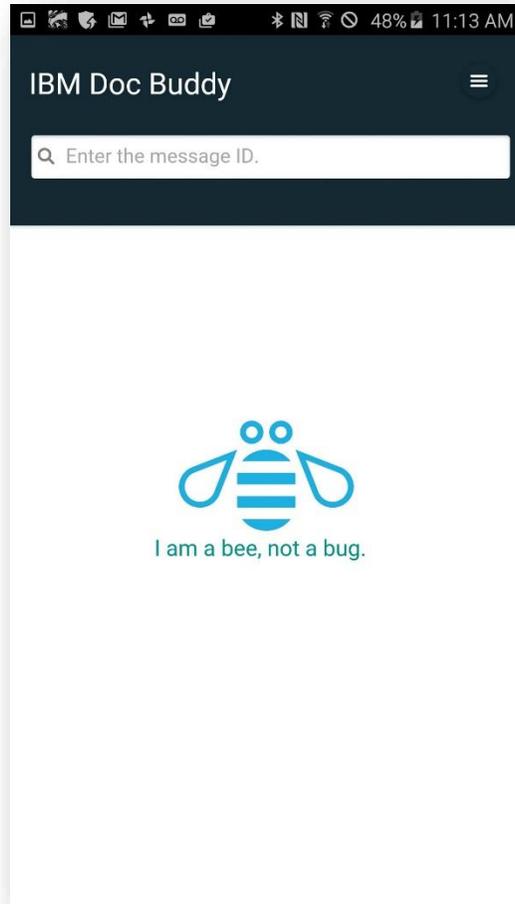
# Setting up IBM Doc Buddy

Before you can search for a message, you need to complete some setup. A catalog lists all the components that you can download to the app. Download all components that you'll want to search.



# Using IBM Doc Buddy

After the content is downloaded, you can use the app offline. Just start to type the message ID. The list narrows as the full message is entered.



# z/OSMF workflows

- [ibm.com/systems/z/os/zos/features/zosmf/tasks/workflows.html](http://ibm.com/systems/z/os/zos/features/zosmf/tasks/workflows.html)
- Simplify software configuration efforts.
- Ensure that consistent methods and tools are used for software configuration on z/OS.
- Provide administrative functions for assigning workflow responsibilities and tracking progress.
- More than merely a checklist of activities, the Workflows task provides a structured process for accomplishing work on z/OS. With the Workflows task, you can:
  - Guide the activities of system programmers, security administrators and others at your installation who are responsible for managing the configuration of the z/OS system.
  - Assign individual work items in the workflow (the *steps*) to performers and track their progress.
  - Save the output of a step in a separate file for use by subsequent steps in the workflow. <sup>1</sup>
  - Require a step to be performed when a logical condition is satisfied on the z/OS system. <sup>1</sup>
  - Use wizards to assist your team with creating system objects (UNIX files and z/OS data set members) and submitting work to run on z/OS, such as batch jobs, REXX scripts, and UNIX shell scripts.
  - z/OSMF provides guided, step-based workflows for migrating and configuring functions on z/OS. For more details, see [z/OSMF Downloads](#).



# Learn more about workflows

- z/OSMF also provides a set of Representational State Transfer (REST) services for creating and managing a workflow on a z/OS system.<sup>2</sup>
- For more details, see *IBM z/OS Management Facility Programming Guide, SA32-1066*, in the [IBM Publications Center](#).

IBM z/OS Management Facility

Welcome zosmfad

Welcome x Workflows x

Workflows z/OS setup for each z/OSMF plug-in. - Workflow\_0 Help

### z/OS setup for each z/OSMF plug-in. - Workflow\_0

Notes | History

Description: z/OS setup for each z/OSMF plug-in. Owner: zosmfad System: SY1\_005 Is Callable: Cannot be called by another workflow  
Percent complete: 8% Steps complete: 4 of 46 Status: In Progress

Workflow Steps

Actions Search

No filter applied

State	No.	Title	CalledWorkflow	Automated	Owner	Skill Category
Complete (Override)	1	Configuration Assistant				
In Progress	2	Common Information Model (CIM)				
Complete	2.1	CIM setup via ServerPac or CIM customization jobs		No	zosmfad	
Complete	2.2	CIM Security setup		No	zosmfad	
Complete	2.3	CIM file systems and directories		No	zosmfad	
Ready	2.4	Starting the CIM server		No	zosmfad	
Ready	2.5	CIM server verification		No	zosmfad	

Total: 60 Selected: 0

Return to Workflows Refresh Last refresh: Jul 28, 2015, 7:41:12 AM local time (Jul 28, 2015, 11:41:12 AM GMT)



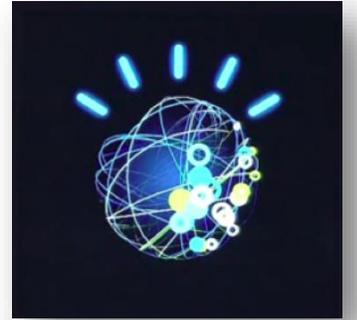
# IBM Watson and Cognitive Computing

An Introduction



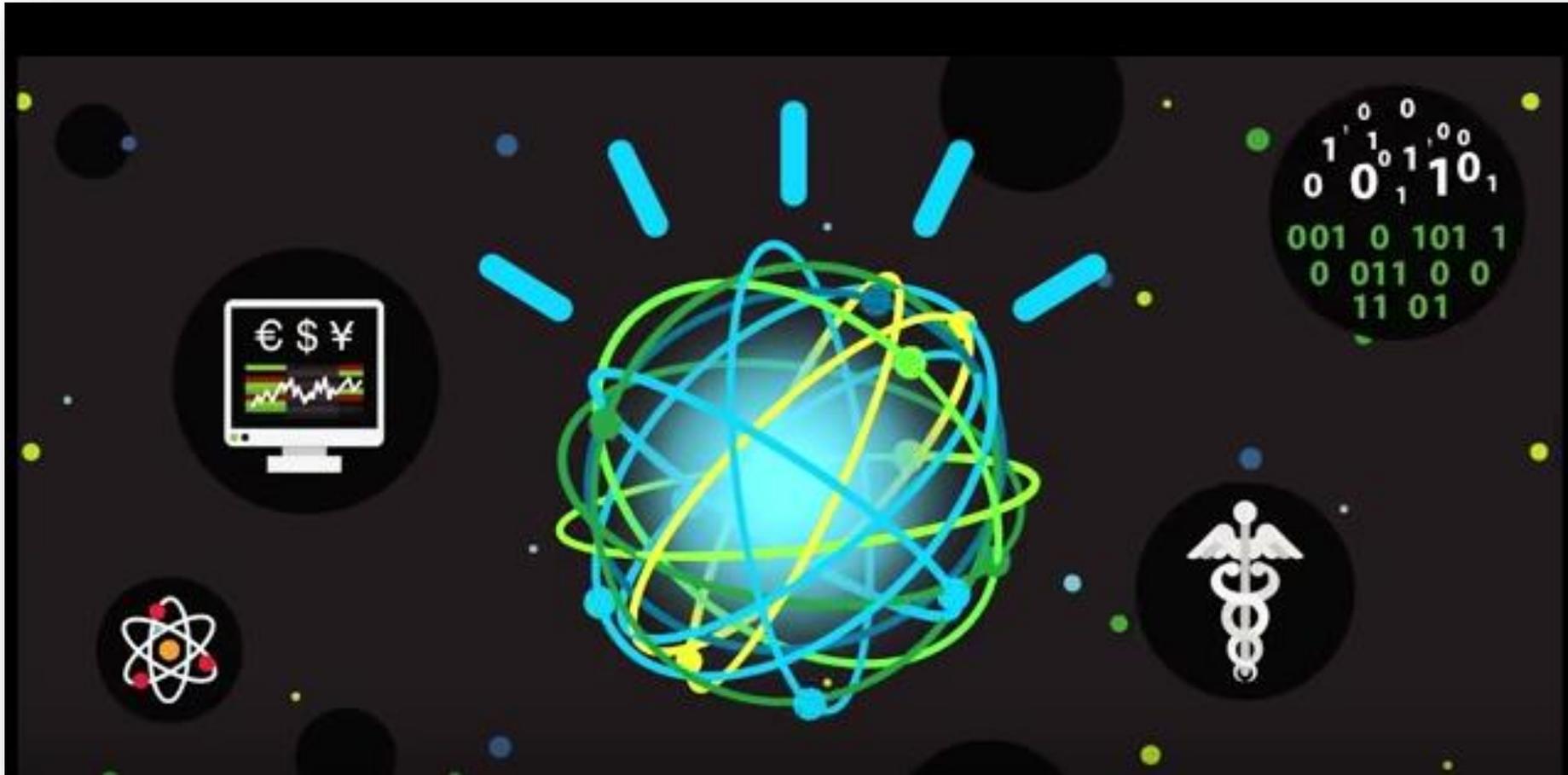
# What is cognitive computing?

- Cognitive computing refers to systems that learn at scale, reason with purpose, and interact with humans naturally. Rather than being explicitly programmed, they learn and reason from their interactions with us and from their experiences with their environment.
- Most current systems have been deterministic; cognitive systems are probabilistic. They generate not just answers to numerical problems, but hypotheses, reasoned arguments and recommendations about more complex and meaningful bodies of data.
- What's more, cognitive systems can make sense of the 80 percent of the world's data that computer scientists call "unstructured." This enables them to keep pace with the volume, complexity and unpredictability of information and systems in the modern world.



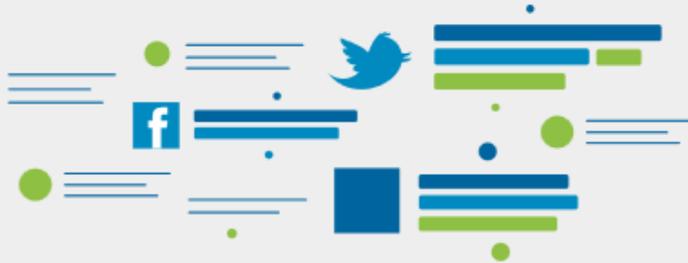
# Overview: How IBM Watson learns

[www.youtube.com/watch?v=ymUFadN\\_MO4](http://www.youtube.com/watch?v=ymUFadN_MO4)



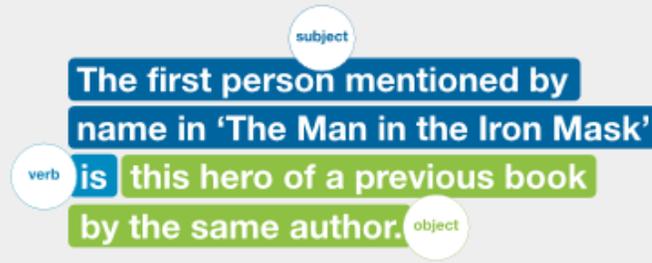
# How IBM Watson works

## How Watson reveals insights



### Analyzes unstructured data

Uses natural language processing to understand grammar and context



### Understands complex questions

Evaluates all possible meanings and determines what is being asked



### Presents answers and solutions

Based on supporting evidence and quality of information found

[ibm.com/smarterplanet/us/en/ibmwatson/what-is-watson.html](http://ibm.com/smarterplanet/us/en/ibmwatson/what-is-watson.html)



# Using IBM Watson APIs



## Language

 <b>AlchemyLanguage</b> <a href="#">Learn more</a>   <a href="#">Documents</a>	 <b>Concept Expansion</b> <a href="#">Learn more</a>   <a href="#">Documents</a>	 <b>Concept Insights</b> <a href="#">Learn more</a>   <a href="#">Documents</a>
 <b>Dialog</b> <a href="#">Learn more</a>   <a href="#">Documents</a>	 <b>Document Conversion</b> <a href="#">Learn more</a>   <a href="#">Documents</a>	 <b>Language Translation</b> <a href="#">Learn more</a>   <a href="#">Documents</a>
 <b>Natural Language Classifier</b> <a href="#">Learn more</a>   <a href="#">Documents</a>	 <b>Personality Insights</b> <a href="#">Learn more</a>   <a href="#">Documents</a>	 <b>Relationship Extraction</b> <a href="#">Learn more</a>   <a href="#">Documents</a>

## Speech

 <b>Speech to Text</b> <a href="#">Learn more</a>   <a href="#">Documents</a>	 <b>Text to Speech</b> <a href="#">Learn more</a>   <a href="#">Documents</a>
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## Vision

 <b>AlchemyVision</b> <a href="#">Learn more</a>   <a href="#">Documents</a>	 <b>Visual Insights</b> <a href="#">Learn more</a>   <a href="#">Documents</a>	 <b>Visual Recognition</b> <a href="#">Learn more</a>   <a href="#">Documents</a>
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## Data Insights

 <b>AlchemyData News</b> <a href="#">Learn more</a>   <a href="#">Documents</a>	 <b>Tradeoff Analytics</b> <a href="#">Learn more</a>   <a href="#">Documents</a>
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IBM Watson Bluemix: [ibm.com/cloud-computing/bluemix/library](https://ibm.com/cloud-computing/bluemix/library)



# Marist and IBM Watson

The screenshot shows the Marist College website with a red header. The navigation menu includes: About Marist, Admission, Academics, Student Life, Athletics, and Community. The Marist logo is prominently displayed on the left, and a search bar is on the right. The main content area features a left sidebar with a 'Community' section containing links to 'Marist/IBM Joint Study', 'FDR Presidential Library', 'Marist Poll', 'Hudson River Valley Institute', 'Marist Center for Sports Communication', 'Cary Institute of Ecosystem Studies', 'IDCP: Data Center Education', and 'Marist Bureau of Economic Research'. Below this is a 'Contact:' section for Geoffrey L. Brackett, including his email icon and phone number (845-575-3296), and a row of social media icons for Facebook, Twitter, YouTube, LinkedIn, and Instagram. The main content area has a breadcrumb 'home > community' and a title 'Marist/IBM Joint Study'. The text describes the long-standing partnership between Marist College and IBM Corporation, highlighting the Joint Study program and the SDN Innovation Lab. A 'Related Information:' section at the bottom lists 'IBM Corporation' as a link.



# How can you build a cognitive solution?



- Join [IBM Bluemix](https://ibm.com/cloud-computing/bluemix/library) today ([ibm.com/cloud-computing/bluemix/library](https://ibm.com/cloud-computing/bluemix/library)) without a credit card.
- Access to 2 GB of runtime and container memory to run apps.
- Unlimited IBM services, APIs, and complimentary support.





# Hot Topics, Redbooks, and Communities

Other sources for z-related information

Rita Beisel, [beisel@us.ibm.com](mailto:beisel@us.ibm.com)



# IBM z/OS Hot Topics Newsletter

***IBM z/OS Hot Topics*** is an annual newsletter that provides usable, hands-on, technical information about z/OS topics and features.

To check out previous editions: [ibm.com/systems/z/os/zos/library/hot-topics/hot-topics.html](http://ibm.com/systems/z/os/zos/library/hot-topics/hot-topics.html)



# IBM z Systems **Redbooks**

Redbooks address product, platform, and solution perspectives and explore the integration, implementation, and operation of realistic client scenarios.

Some examples include:

- ABCs of IBM z/OS System Programming
- IBM z13 Technical Guide
- IBM Mainframe Bits: Understanding the Platform Hardware

To see the available Redbooks for z Systems:

[www.redbooks.ibm.com/portals/systemz](http://www.redbooks.ibm.com/portals/systemz)



# z-Related communities

Connect with experts, collaborate & share with peers via communities:

- z Systems: [ibm.com/systems/z/resources/community.html](http://ibm.com/systems/z/resources/community.html)
- IBM Destination z: [www.destinationz.org/Community.aspx](http://www.destinationz.org/Community.aspx)
- SHARE: [www.share.org/](http://www.share.org/)
- zNextGen: [www.znextgen.org/](http://www.znextgen.org/)
- IBM Academic Initiative: [developer.ibm.com/academic/](http://developer.ibm.com/academic/)
- IBM-MAIN list: [listserv.ua.edu/cgi-bin/wa?LIST=IBM-MAIN](http://listserv.ua.edu/cgi-bin/wa?LIST=IBM-MAIN)
- IBM developerWorks: [ibm.com/developerworks/analytics/zsystems/](http://ibm.com/developerworks/analytics/zsystems/)



# z-Related contests and learning systems

- IBM Master the Mainframe contest:

[ibm.com/systems/z/education/academic/masterthemainframe/index.html](http://ibm.com/systems/z/education/academic/masterthemainframe/index.html)

- New:

- **Mainframe Contest Learning System**

IBM opened the Master the Mainframe Contest system to anyone wishing to gain extra mainframe experience in a controlled environment (Note: No prizes are awarded with participation):

[ibm.com/systems/z/education/academic/masterthemainframe/contest/learning.html](http://ibm.com/systems/z/education/academic/masterthemainframe/contest/learning.html)



# Additional z-Related resources

- zFavorites: [ibm.com/systems/z/os/zos/library/zfavorites/](http://ibm.com/systems/z/os/zos/library/zfavorites/)
- IBM Systems Blog: [ibm.com/blogs/systems/](http://ibm.com/blogs/systems/)
- IBM terminology: [ibm.com/software/globalization/terminology/](http://ibm.com/software/globalization/terminology/)
- IBM Publications Center: [ibm.com/e-business/linkweb/publications/servlet/pbi.wss](http://ibm.com/e-business/linkweb/publications/servlet/pbi.wss)
- z Systems resources: [ibm.com/systems/z/resources/](http://ibm.com/systems/z/resources/)
- z Systems education: [ibm.com/systems/z/education/](http://ibm.com/systems/z/education/)



# z-Related Twitter pages

- IBM z Systems: [twitter.com/IBMzSystems](https://twitter.com/IBMzSystems)
- IBM Systems: [twitter.com/IBMSystems](https://twitter.com/IBMSystems)
- IBM Master the Mainframe Contest: [twitter.com/mastermainframe](https://twitter.com/mastermainframe)
- IBM Destination z: [twitter.com/myzcommunity](https://twitter.com/myzcommunity)
- SHARE Inc: [twitter.com/SHAREhq](https://twitter.com/SHAREhq)
- IBM z Systems Events: [twitter.com/SystemZEvents](https://twitter.com/SystemZEvents)



# z-Related Facebook pages

- IBM System z: [www.facebook.com/IBMsystemz](http://www.facebook.com/IBMsystemz)
- IBM Systems: [www.facebook.com/ibmsystems](http://www.facebook.com/ibmsystems)
- IBM Master the Mainframe Contest:  
[www.facebook.com/MasterTheMainframe](http://www.facebook.com/MasterTheMainframe)
- IBM Destination z: [www.facebook.com/IBMDestinationz](http://www.facebook.com/IBMDestinationz)
- SHARE Inc: [www.facebook.com/SHAREonSocial](http://www.facebook.com/SHAREonSocial)



# z-Related LinkedIn profiles

- IBM Systems: [www.linkedin.com/company/ibm-systems](http://www.linkedin.com/company/ibm-systems)
- System z Advocates: [www.linkedin.com/groups/155723/profile](http://www.linkedin.com/groups/155723/profile)
- IBM z Systems Events: [www.linkedin.com/groups/IBM-System-z-Events-3053018](http://www.linkedin.com/groups/IBM-System-z-Events-3053018)
- Mainframe Experts Network: [www.linkedin.com/groups/Mainframe-Experts-Network-55779](http://www.linkedin.com/groups/Mainframe-Experts-Network-55779)



**Thank you!**

