

z/OS 2.4 IBM Education Assistant (IEA)

Solution (Epic) Name: z/OS 2.4 Content Enhancements and Access Instructions

Element(s)/Component(s): Product Documentation Resources



Agenda

- Trademarks
- Session Objectives
- Overview
- Usage & Invocation
- Interactions & Dependencies
- Migration & Coexistence Considerations
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Trademarks

- See url <http://www.ibm.com/legal/copytrade.shtml> for a list of trademarks.
- Additional Trademarks:
 - If you need to list any that aren't included on the website above, please do so here. If not, remove the text in this bullet and just say “None”.

Session Objectives

Promote awareness of

- Improvements to Knowledge Center:
 - New search filters at the element and book level
 - Improved context in search results
 - Recursive search capability
- New “Content Solutions” documentation
- New “Look@KC” search facility
- Knowledge Center for z/OS (KC4Z)
 - New version 2.0
 - New normalization
 - New process to populate a KC4Z
- How to access the V2R4 ESP drafts

Overview

- This presentation provides an overview of new technical content tools and deliverables for z/OS V2R4. This is designed to make it easier for you to find the information you need quickly.
- Who (Audience)
 - Systems programmers, applications developers, educators, students
- What (Solution)
 - Knowledge Center, Content Solutions, z/OSMF workflows, KC4Z
- Wow (Benefits / Value, Need Addressed)
 - Improved search in Knowledge Center,
 - Content Solutions for new offerings
 - Workflows to automate and simplify
 - KC4Z provides documentation on z/OS Native
 - Adobe Indexed collections – provides a fully indexed local PDF repository

Invocation and Use - Summary of Changes

- When a deliverable is updated, check the Summary of Changes section to see what is new.
- The changes are then flagged in the content.

Summary of changes

This information includes terminology, maintenance, and editorial changes. Technical changes or additions to the text and illustrations for the current edition are indicated by a vertical line to the left of the change.

Summary of changes for z/OS Version 2 Release 3 (V2R3)

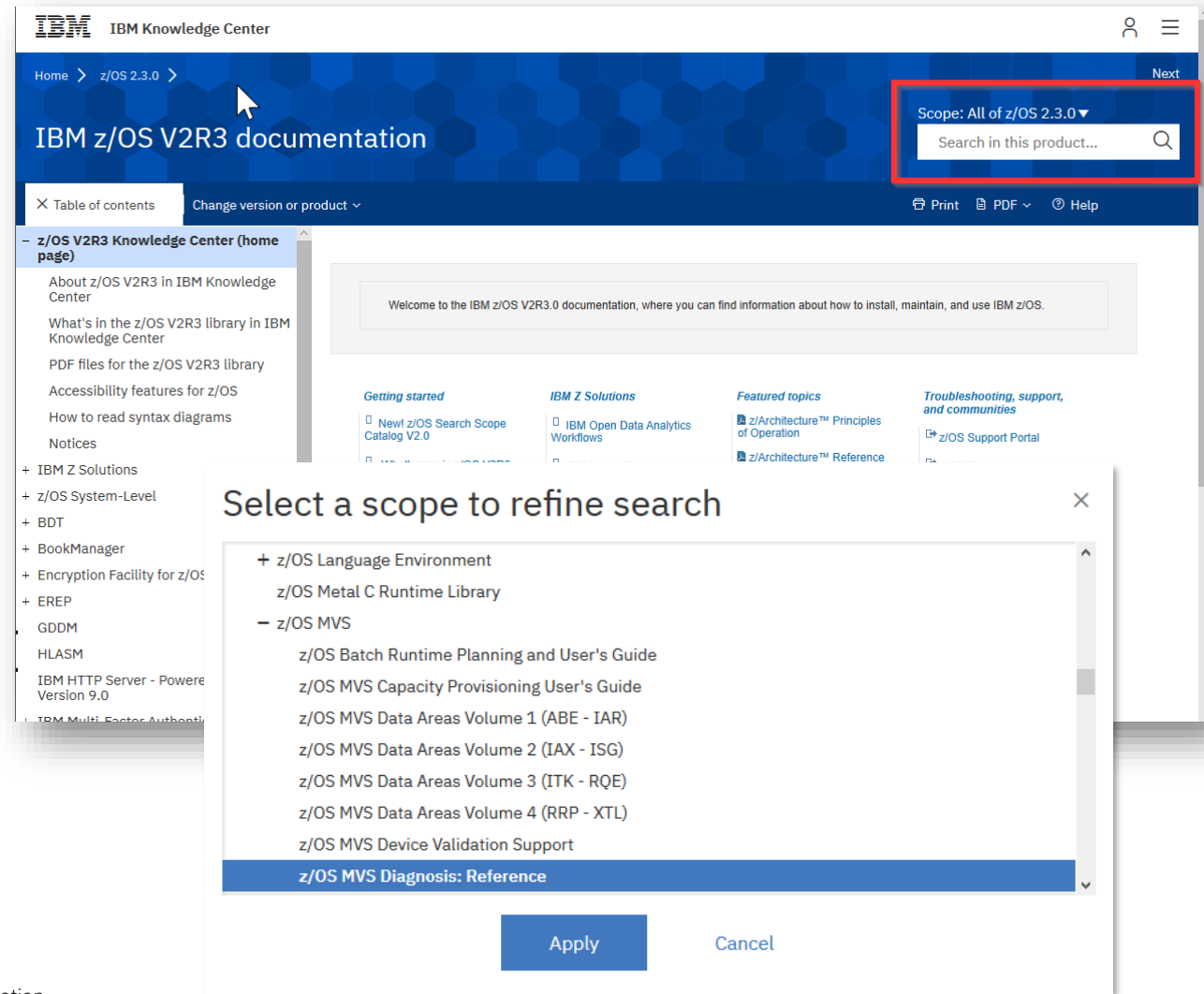
The following changes are made for z/OS Version 2 Release 3 (V2R3).

New

- The ICSF and ICSFPROC system parameters have been added to the IEASYSxx member for APAR OA55378. See [ICSF](#) and [ICSFPROC](#) for information.
- The DEVSUPxx member of parmlib has a new keyword, FLASHCOPYTOXRC, which controls support for Remote Pair FlashCopy® in an XRC environment. See [DEVSUPxx \(device support options\)](#).
- The OS/PROTECT system parameter has been added to the IEASYSxx member for APAR OA54807. See [System parameter OS/PROTECT](#) for information.
- For APAR OA50653, the IECIOSxx parmlib member has a new ZHYPERLINK statement. See [IECIOSxx \(I/O related parameters\)](#).
- For APAR OA53660, updates to [Syntax format of FXEPRMxx](#), [Statements and parameters for FXEPRMxx](#), and [FXE](#).
- IGDSMSxx has a new optional keyword, TVSAMCOM, to enable DFSMSxx automatic commit and specify the minimum and the maximum for a range of number of update requests that DFSMSxx uses.
- The new parmlib member, [IRRPxx \(RACF parameters\)](#), was added to allow the RACF® data set name table (ICHDRSNT) and the database range table (ICHRRING) to be specified in the SYS1.PARMLIB member.
- [BPXPRMxx \(z/OS UNIX System Services parameters\)](#) was updated:
 - To support the ability to unmount the version file system if it is no longer being used in the sysplex, the VERSION statement was updated. It has an optional version auto-unmount attribute keyword that can be set to UNMOUNT or NOUNMOUNT.
 - The SC_EXITTABLE statement was added. It enables pre-system call and post-system call exit routines for select z/OS UNIX callable services.
 - The USS_SUPERUSER health check can be used to verify that the SUPERUSER parameter contains a user ID that is defined to the security product and has an OMVS segment with a UID of 0.
 - The new UIMASK statement of the BPXPRMxx parmlib member can be used to assign a default umask value for all z/OS UNIX users. It

Usage & Invocation – Knowledge Center (Internet)

- The default search scope for content in IBM Knowledge Center was at the product release level, so your searches covered the entirety of a release every time. This worked well for smaller libraries, but not for z/OS.
- Good news! **Our popular Search Scope Catalog is now integrated into the Knowledge Center!**
- On the z/OS V2R3 release landing page, there is a search scope option above the search dialog. The default scope is the entire release.
- Click the down arrow for a selection box that allows you to search at the element, feature library, or individual book level.

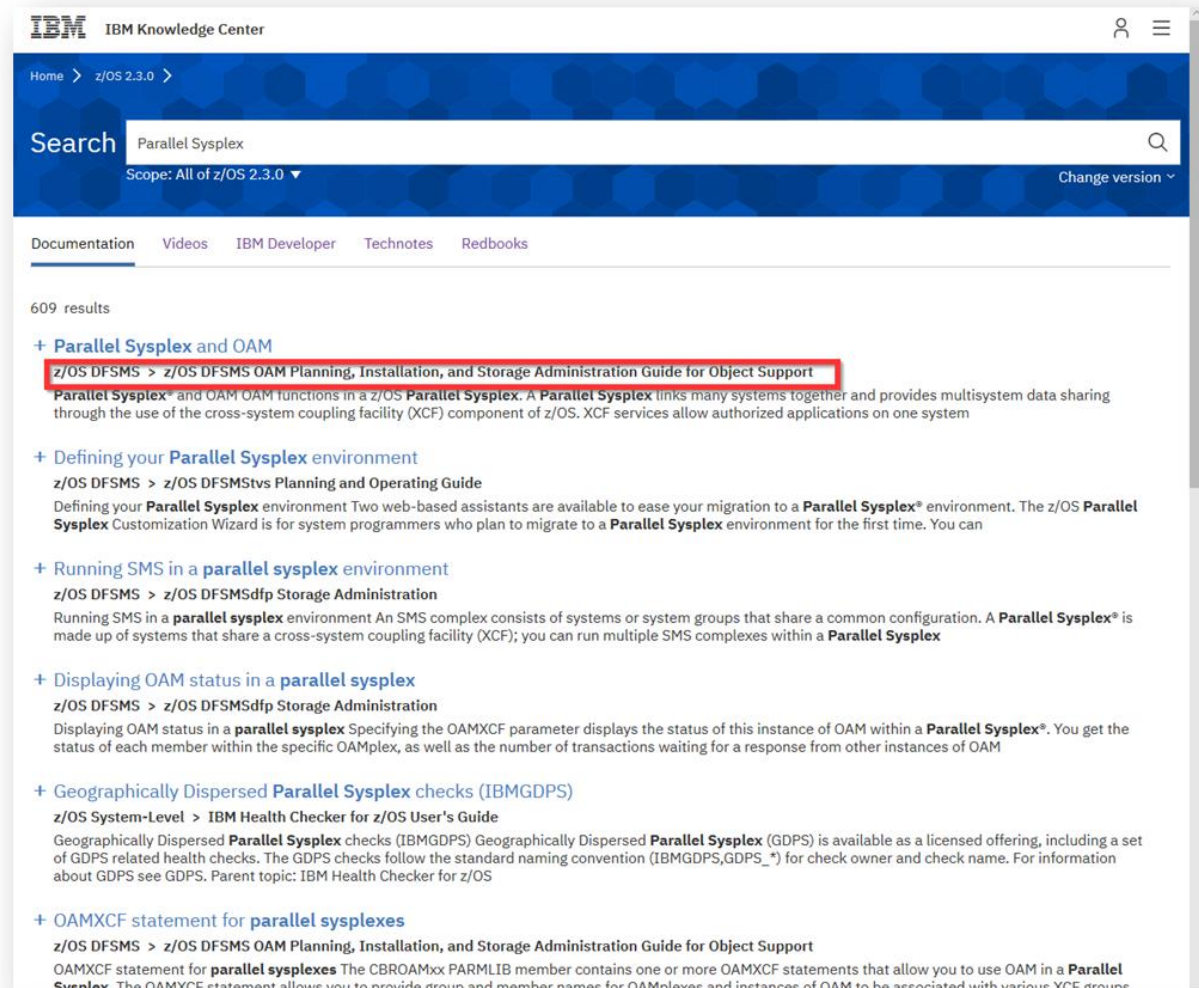


Usage & Invocation – Improved Context in Search

The KC search results now show **more context for each result on the list of hits**.

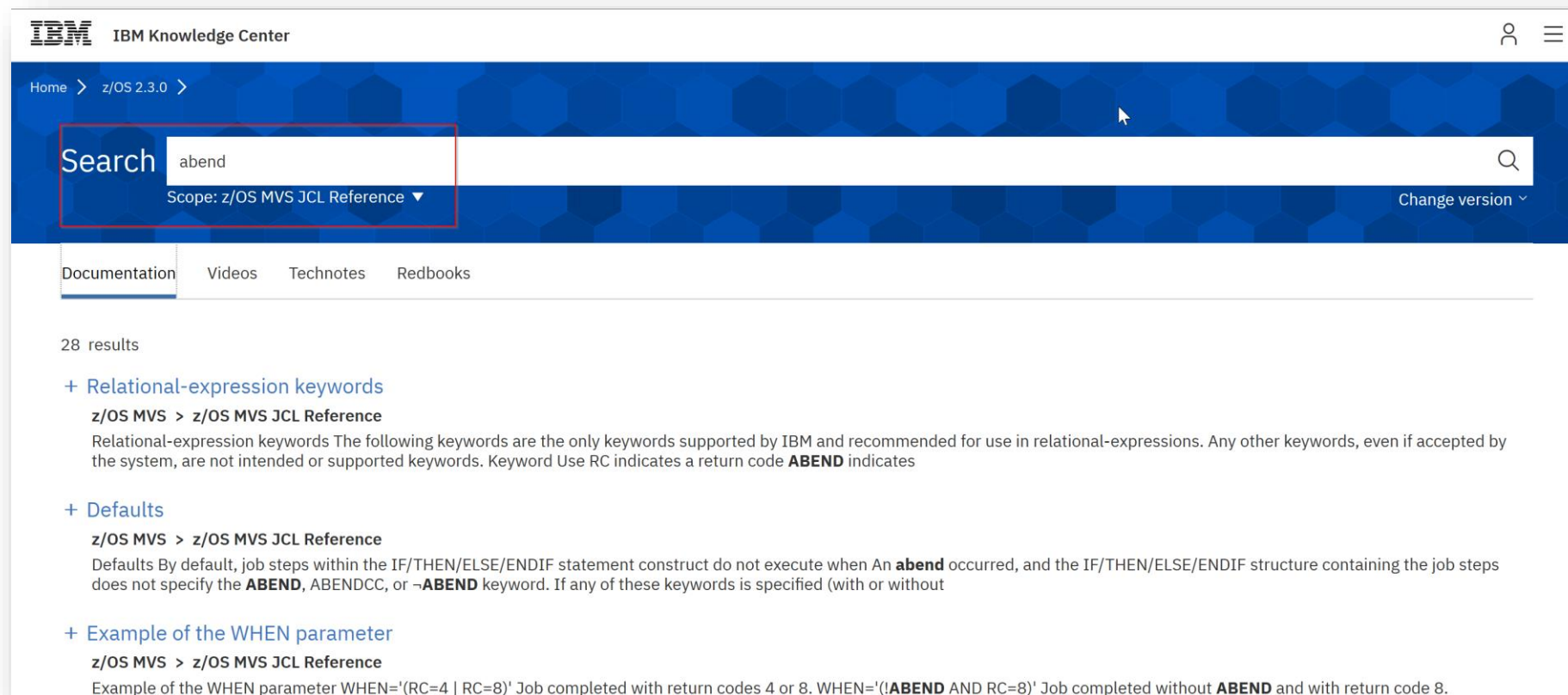
This additional context makes it easier to identify the result that you are looking for.

Each hit uses a breadcrumb trail to show where the result is in the library hierarchy. The breadcrumb trail **lists the “containing book,”** which is helpful to users who are familiar with the library.



Usage & Invocation – Improved Recursive Search

Use the search scope dialog to choose the book you want to drill down on and the scope stays in that book until you change it.



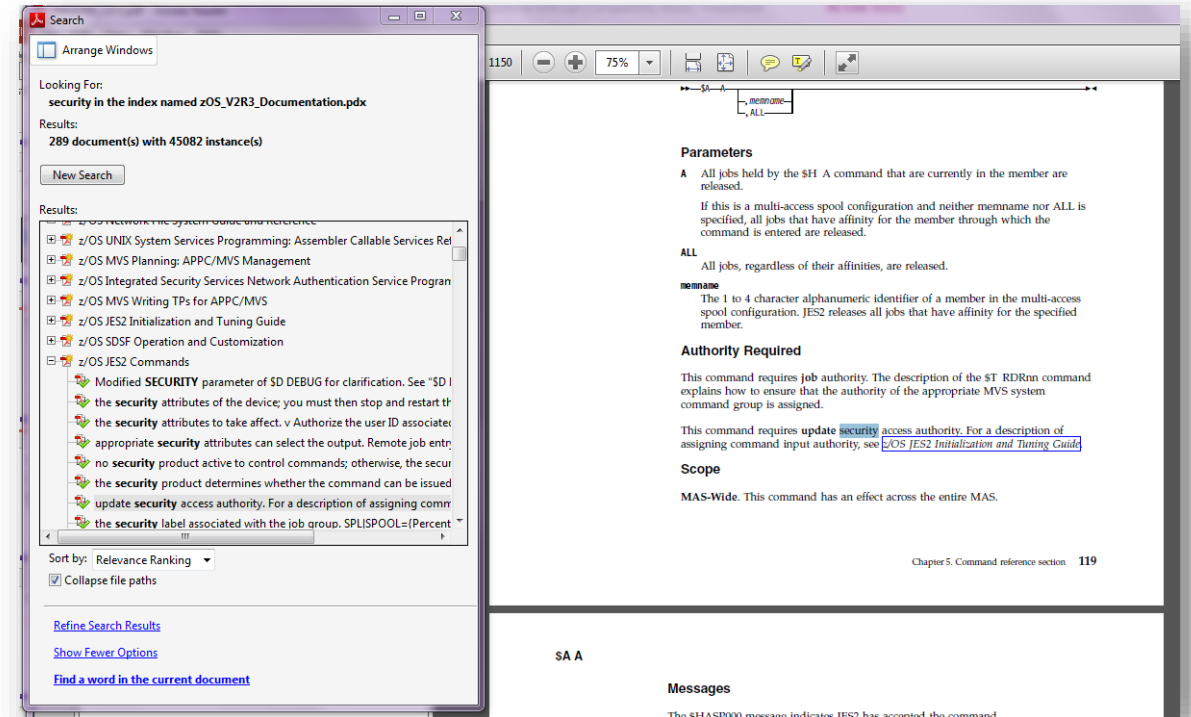
Usage & Invocation – Improved KC Search: Adobe Indexed PDF Collections

An Adobe Indexed PDF Collection is a **complete set of all PDF files for a release that is indexed using the industry-standard Acrobat Search**. It is packaged into a single ZIP file for easy downloading and offline use.

Each collection has a master index that lists book titles with a link to the corresponding PDFs.

These collections replace traditional softcopy collections and provide a familiar search experience where search results are displayed in book and library contexts.

New! Collection kits are now available for z/OS V2R1-3 and V1R12-13.



ibm.biz/BdYsTv

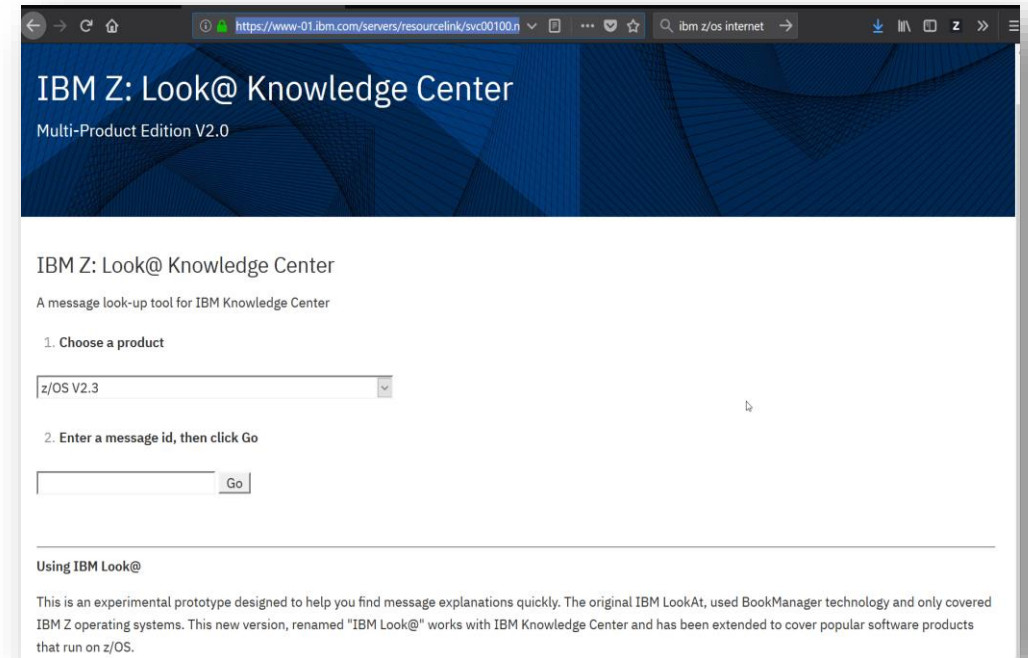
Usage & Invocation – Improved KC Search: Look@ Knowledge Center

Look@ Knowledge Center is a **new, online message and reference search facility based on the original LookAT**.

It works across all products in IBM Knowledge Center.

It uses the Knowledge Center web site so that the information is always current.

Check it out: ibm.biz/BdYswf

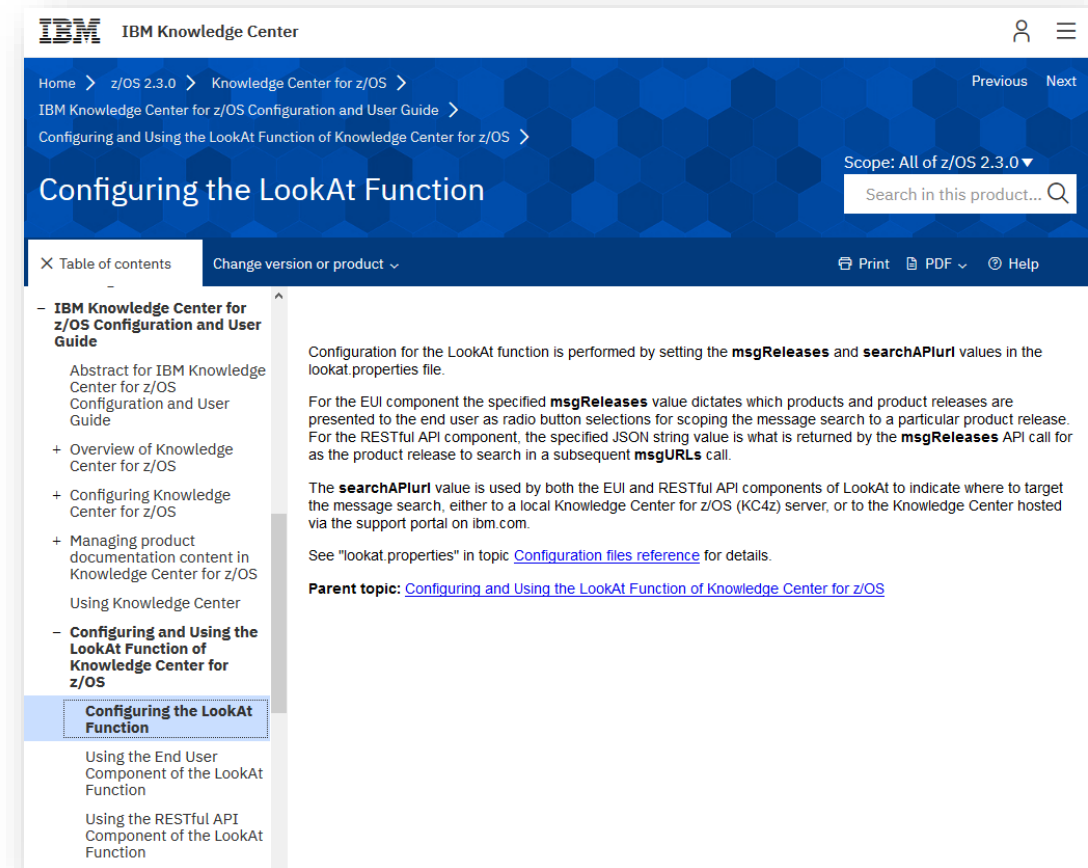


Usage & Invocation – Improved KC Search: LookAt API for KC4z

KC4z is perfect for use in standalone installations of z/OS where Internet access is intermittent or unavailable. It provides **local enterprise repositories of product documentation** that you can organize however you want, and they're there if you ever need offline disaster recovery.

LookAt API was added in V2R3 to provide local message and command search functions similar to the original LookAT search facility.

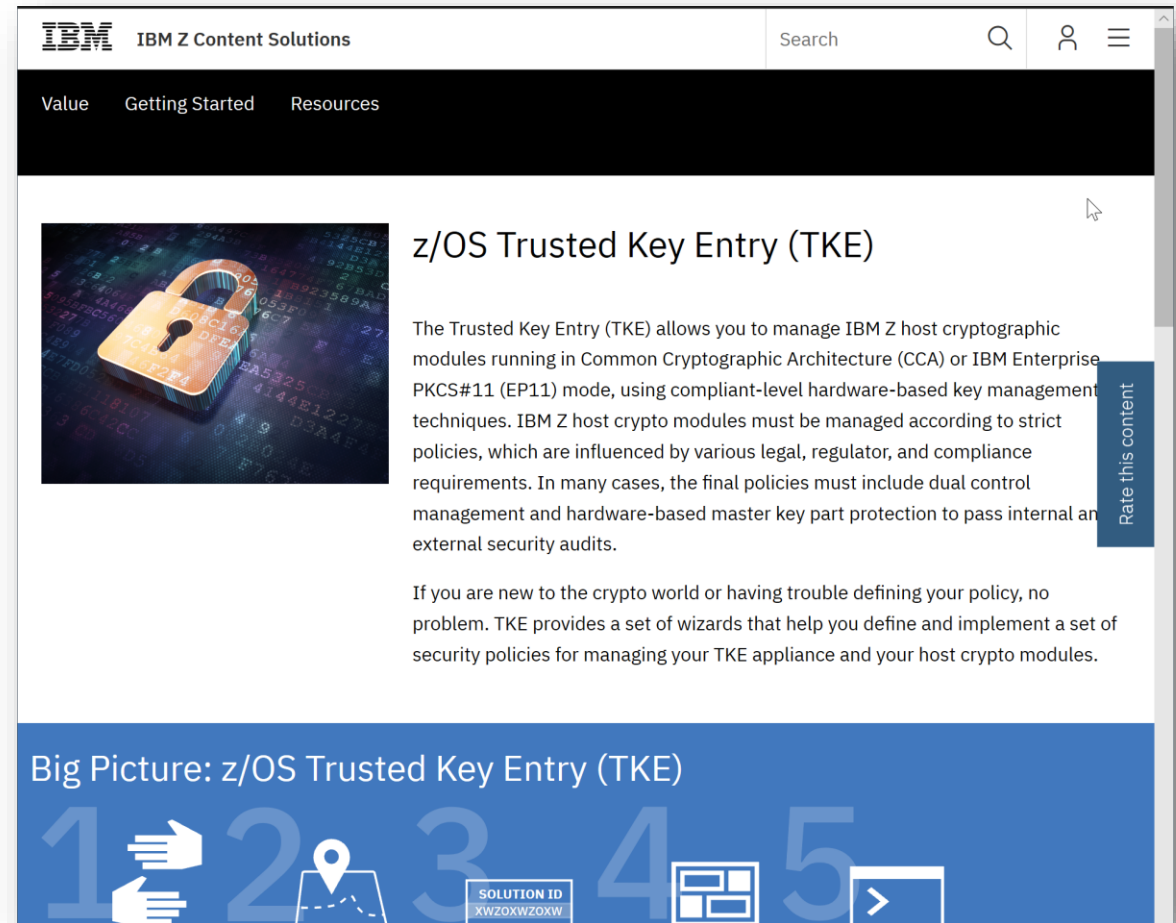
Download the plug-ins from the z/OS Internet Library: ibm.biz/BdYsTv



For configuration and usage information, see:
www.ibm.com/support/knowledgecenter/SSLTBW_2.3.0/com.ibm.zos.v2r3.hkc/hkc.htm

Usage & Invocation – Introducing Content Solutions

- Why Content Solutions?
- Traditional information is scattered throughout the z/OS library.
- There is no clear starting point and no easy way to find everything that you need.
- “There’s no clear work flow to configure all these parts.”
- “There’s a least 3 different places for documentation... Would it be possible to get a comprehensive document?”



The screenshot displays the IBM Z Content Solutions website. The header includes the IBM logo, the page title "IBM Z Content Solutions", a search bar, and navigation links for "Value", "Getting Started", and "Resources". The main content area features a large image of a padlock on a background of binary code, with the title "z/OS Trusted Key Entry (TKE)". Below the image, a paragraph explains that TKE allows managing IBM Z host cryptographic modules in Common Cryptographic Architecture (CCA) or IBM Enterprise PKCS#11 (EP11) mode, using compliant-level hardware-based key management techniques. It notes that IBM Z host crypto modules must be managed according to strict policies influenced by legal, regulator, and compliance requirements, often including dual control and hardware-based master key protection. A second paragraph mentions that TKE provides wizards for defining and implementing security policies. A vertical "Rate this content" button is on the right. A blue footer banner titled "Big Picture: z/OS Trusted Key Entry (TKE)" contains a five-step process diagram with icons: 1. Hands pointing to a document, 2. A location pin, 3. A document with a checkmark, 4. A server rack, and 5. A right arrow. A "SOLUTION ID" box with the code "XWZOXWZOXW" is also present.

Usage & Invocation – IBM Z Content Solutions

A Content Solution provides all of the content for a function, for all phases of the user experience. It includes content in varied formats (KC, videos, workflows, and so on). It is developed using Agile methodologies and Design Thinking with frequent stakeholder validation.

The content solution homepage brings all of the content together in one place and provides a simplified getting started experience.

For the latest list see the z/OS V2R3 release landing page

https://www.ibm.com/support/knowledgecenter/SSLTBW_2.3.0/com.ibm.zos.v2r3/en/homepage.html

Latest Content Solutions:

[Pervasive Encryption](#)

[Container Pricing for IBM Z](#)

[Cloud Provisioning and Management for z/OS](#)

[z/OS Cloud Broker](#)

[z/OS Container Extensions](#)

[z/OS Trusted Key Entry \(TKE\)](#)

Usage & Invocation – Workflows in z/OSMF

- Comprise a guided set of steps that help you perform an activity on z/OS, such as installing or configuring a software product or managing a z/OS resource
- Track progress and assign work to others while maintaining a single overall view of the task
- Are created using the z/OSMF workflow editor, are delivered in XML, and are consumed by the z/OSMF workflows task
- Can include automation that accomplishes work on your behalf



Workflows available in GitHub:

github.com/IBM/IBM-Z-zOS/tree/master/zOS-Workflow

Container Pricing for IBM Z
Implementing a dedicated LPAR solution
Implementing a collocated solution

IBM Platform for Apache Spark
Installation and configuration
Tuning and allocating resources
Set up the z/OSMF Mainframe Data Services

IBM Open Data Analytics for z/OS
Installation and configuration
Tuning and allocating resources

Transparent Cloud Tiering
Setting up transparent cloud tiering
XCF – Upgrading a Coupling Facility
z/OS Migration workflows

XCF – Upgrading a Coupling Facility
Push/pull of a CPC
POR of a CPC on which a coupling facility image resides
Disruptive coupling facility upgrade

z/OS Migration workflows
z/OS V2.3, z/OS V2.2, and z/OS V2.1

Example: Container Pricing Content Solution

Introduction

High level description, with an overview video.

Big Picture

Simple, graphical description of a key task.

- **Getting Started**
- Organized as appropriate on tabs. In this case, one tab for each solution.
- **Content Solution Components**
- Homepage
- c3, videos, workflows
- **Additional Resources**
- Podcast, videos, Techdocs, and more



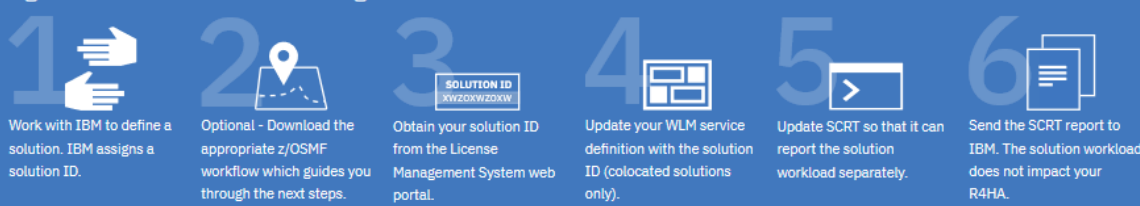
What is Container Pricing for IBM Z?

Container Pricing for IBM Z® makes pricing simpler and more economical for qualified solutions running on the z13 and z14 IBM processors. It allows specific workloads to be metered, reported on, and optionally capped, whether on a dedicated LPAR or colocated with existing workloads on an existing LPAR, with no direct impact on your rolling 4-hour average. Pricing for a solution is predictable and relevant - disconnected from the cost of unrelated software, or whether the solution runs during a peak time.

You can get started with Container Pricing with minimal up-front setup.

[Watch the overview video on YouTube \(1:51\)](#)

Big Picture: A Container Pricing Solution



Getting Started with Container Pricing for IBM Z

Application Development and Test Solution	New Application Solution	Payments Pricing Solution
Overview <p>The Application Development and Test solution, by removing the need for aggressive cost controls around development and test, promotes a healthy development and test environment on z/OS.</p> <p>→ Requirements</p> <p>→ See more in the announcement</p>		
Planning <p>Work with an IBM Sales representative to define a solution with an agreed upon price.</p> <p>This agreement will include the decision to use either an LPAR that is dedicated to the workload or an LPAR on which the workload is colocated with other workloads. The Application Development and Test environment is typically on dedicated LPARs.</p> <p>→ Define a solution</p>	Setup <p>Colocated-LPAR solution: Create definitions in WLM and then update your SCRT JCL to reflect the solution ID, which is generated as part of the agreement with IBM.</p> <p>→ Container pricing definitions in WLM</p> <p>→ Update SCRT for a colocated-LPAR solution</p> <p>The next time you send the SCRT report to IBM, the solution workload is reported separately.</p> <p>Dedicated-LPAR solution: The only setup is to update your SCRT JCL to reflect the solution ID.</p> <p>→ Update SCRT for a dedicated-LPAR solution</p>	

Interactions & Dependencies

- None

Migration & Coexistence Considerations

- Knowledge Center search searches at the element and feature level
- Knowledge Center for z/OS has
 - A new look and feel similar to KC on the Internet
 - New plugins repository <ftp://public.dhe.ibm.com/systems/z/zos/sftp/kc> see the [readme](#) for more information
 - The new KC4Z requires the HTML be normalized. The normalization code is delivered with KC4Z

Installation

- None needed for KC or IBM Solutions

Session Summary

- Knowledge Center for the z/OS library search has been improved:
 - It provides new filtering at the element library and book level
 - The search results now provide book level context so the user can better judge the correct result
 - Recursive searches can be accomplished using the scope dialog to narrow the search to the book of interest
- Adobe Indexed PDF Collections provide a standalone way to search the entire library and the results are displayed in a manner similar to BookManager
- IBM Content Solutions offer a consolidated starting point for new z/OS offerings. They contain custom content written to shorten the time to implement it.

Appendix

Contacts

- Geoff Smith – (gksmith@us.ibm.com) - z/OS Technical Content Strategist
- Susan Shumway (chalensk@us.ibm.com) - z/OS Product Documentation Interaction Manager
- Bill Keller – (bkeller@us.ibm.com) - IBM Content Solutions Architect
- James O'Donnell – (jimodo@us.ibm.com) - Knowledge Center for z/OS Development

Links

- IBM Z Favorites
- <https://www-01.ibm.com/servers/resourcelink/svc00100.nsf/pages/ibm-z-favorites?OpenDocument>
- z/OS Internet Library
- <https://www.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosInternetLibrary?OpenDocument>
- IBM Solutions Homepage
- https://www.ibm.com/support/knowledgecenter/SSLTBW_2.3.0/com.ibm.zos.v2r3/en/homepage.htmlIBM
- IBM Z Library Archive
- <https://www-01.ibm.com/servers/resourcelink/svc00100.nsf/pages/zos-library-archives?OpenDocument>