

z/OS 3.2 IBM Education Assistant

Solution Name: zOSMF Desktop Enhancements – Dataset and Member Attributes

Solution Element(s): zOSMF

July 2025



Agenda

- Trademarks
- Objectives
- Overview
- Usage & Invocation
- Interactions & Dependencies
- Upgrade & Coexistence Considerations
- Installation & Configuration
- Summary
- Appendix

Trademarks

- See url <http://www.ibm.com/legal/copytrade.shtml> for a list of trademarks.
- Additional Trademarks:
 - None

Overview

- Who (Audience)
 - As a system programmer, I want to use z/OSMF desktop to work with dataset and members
- What (Solution)
 - Desktop enhancements
- Wow (Benefit / Value, Need Addressed)
 - System programmer can visualize attributes of datasets and members which helps them to work with datasets and members more efficiently

Objectives

- **Problem Statement / Need Addressed / User Stories:**

Customers need the Dataset and File Search Plugin to display informational attributes similar to Unix files. Additionally, they want to save datasets and members with content types. In the z/OSMF Dataset and File Comparison Panel, customers seek to view last modified timestamps and dataset volumes, with the ability to query datasets by volume. Furthermore, they want the Job Output Plugin to provide detailed execution information for jobs.

- **Solution:**

Enhanced z/OSMF to provide informational attributes of datasets and members in 'Dataset and File search Plugin'. In addition, a new option for toggling will also be provided to the user for handling the display of the informational attributes of the datasets/members in the dataset and file search plugin.

Also, provided an option "save with content type" for the data sets . Enhanced z/OSMF Dataset and File Comparison Panel, the footer bar shows modified time for a Unix file and a member, and the volume of a data set, we can use the volume icon to change the volume.

Also, In the 'Job Output' plugin, the attributes 'started', 'ended', 'submitted' dates will be displayed to the users for every job.

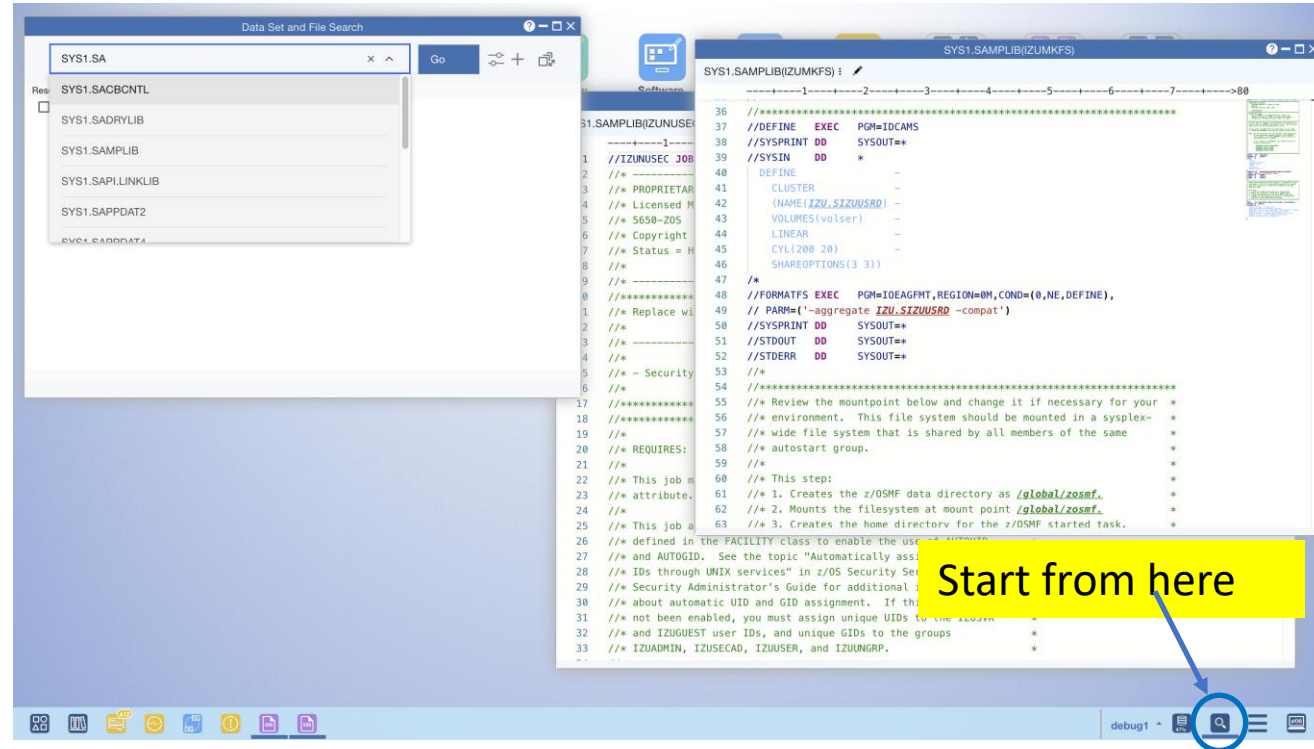
- **Benefit / Value:**

Helps customers to see the informational attributes of the datasets and members like in 3270 terminal. Also, the executional information of the jobs. Also, the customers can use the newly added features in the data set and file search plugin, and can save the data set with a particular content type and can get more information when comparing 2 data sets / files.

Modernized z/OS daily operations (starts with data set, USS file and job operations)

- Previously z/OSMF Desktop File/Dataset search widget supported

- Data set and USS file search with Typeahead search support
- Built-in modernized Editor
- Syntax Highlight for JCL/REXX/XML/HTML
- Submit job and browse job output
- Data set allocation with template and Create-like support
- Copy/Delete of data set or data set member
- Data sets and Uss path can be displayed as clickable links in z/OSMF Desktop Editor
- Copy/Rename/ChangeMode/ChangeOwner for USS files
- Compare and Merge
- Upload and Download with a few clicks
- z/OSMF Plugins (e.g., Workflows, Workflow Editor, Incident Log) leverage z/OSMF Desktop Widgets for browsing data sets and USS files.



- z/OSMF 3.2 and Continuous Delivery add several enhancements to z/OSMF Desktop Widgets

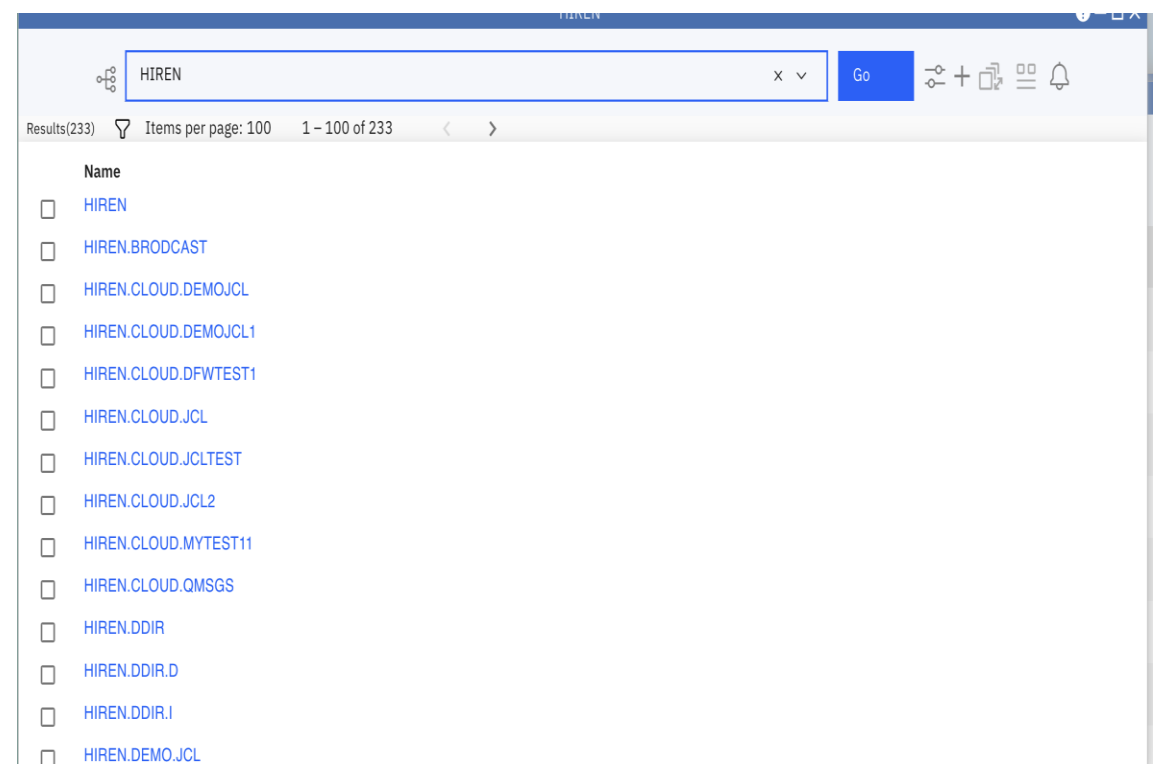
z/OSMF Desktop enhancements (PH62589)

- To help enable users to be more efficient when working with data sets and jobs, the following capabilities have been added:
 - In the Data set and File Search tool, the informational attributes of the data sets (such as volume, track, record format, block size, etc.) are displayed
 - Users can save a sequential data set or a data set member with specified content types in the Data set and File Search tool
 - Users can compare the contents of uncatalogued data sets, change the volser and view the last modified time of a data set member or a Unix file in the comparison editor window
 - Additional information in the Job Output tool can be viewed. The attributes 'submitted', 'started', 'ended' date and time are displayed to users for every job

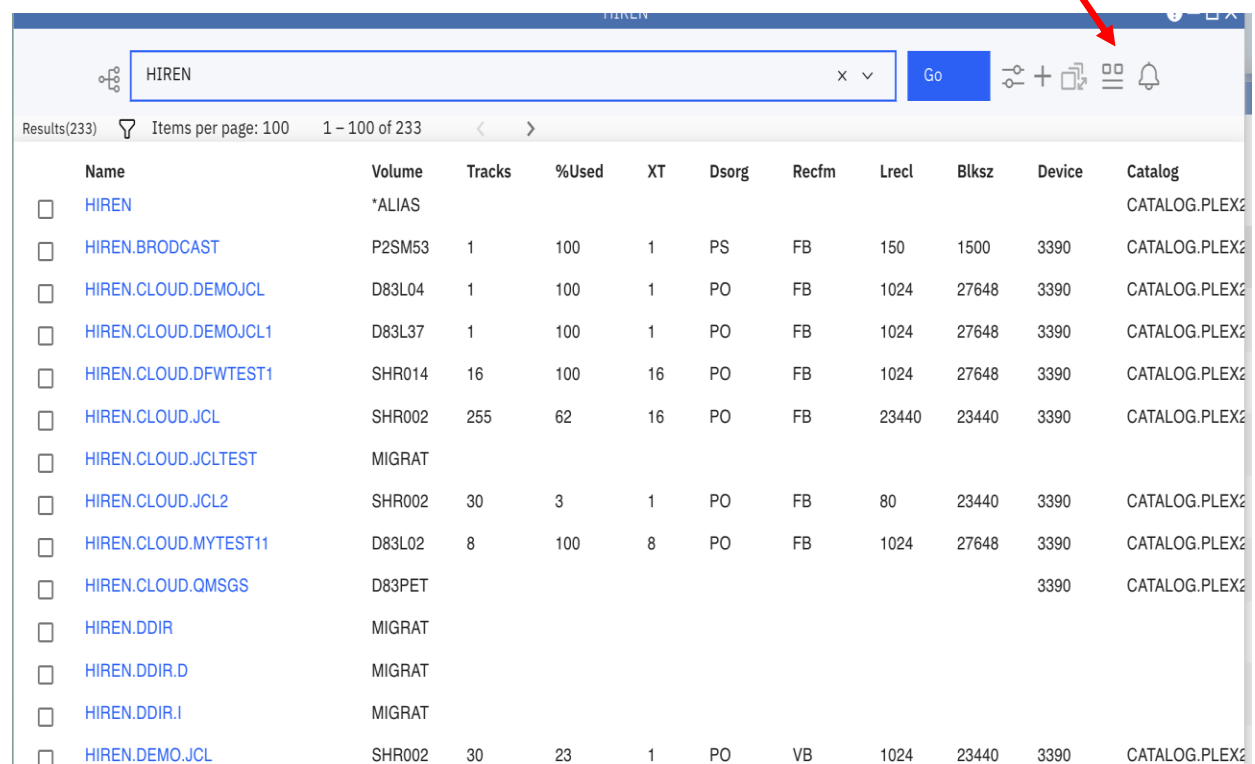
z/OSMF Desktop enhancements – Attributes view (1)

Dataset attributes

Current Behavior and Default view



Show attributes for the datasets



z/OSMF Desktop enhancements – Attributes view (2)

Member attributes

Current Behavior and Default view

The screenshot shows a web interface for HIREN*. The breadcrumb path is HIREN.CLOUD.DFWTEST1. A search bar contains the text HIREN.CLOUD.DFWTEST1. Below the search bar, the results are displayed as a list of items, each with a checkbox and a name:






- ☐ DFWTEST1
- ☐ TESTJCL9
- ☐ TESTWF
- ☐ WFEPROP9
- ☐ WFEXML8
- ☐ WFEXML9


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Show attributes for the members e.g. "Changed"

HIREN.CLOUD.DFWTEST1()

Go



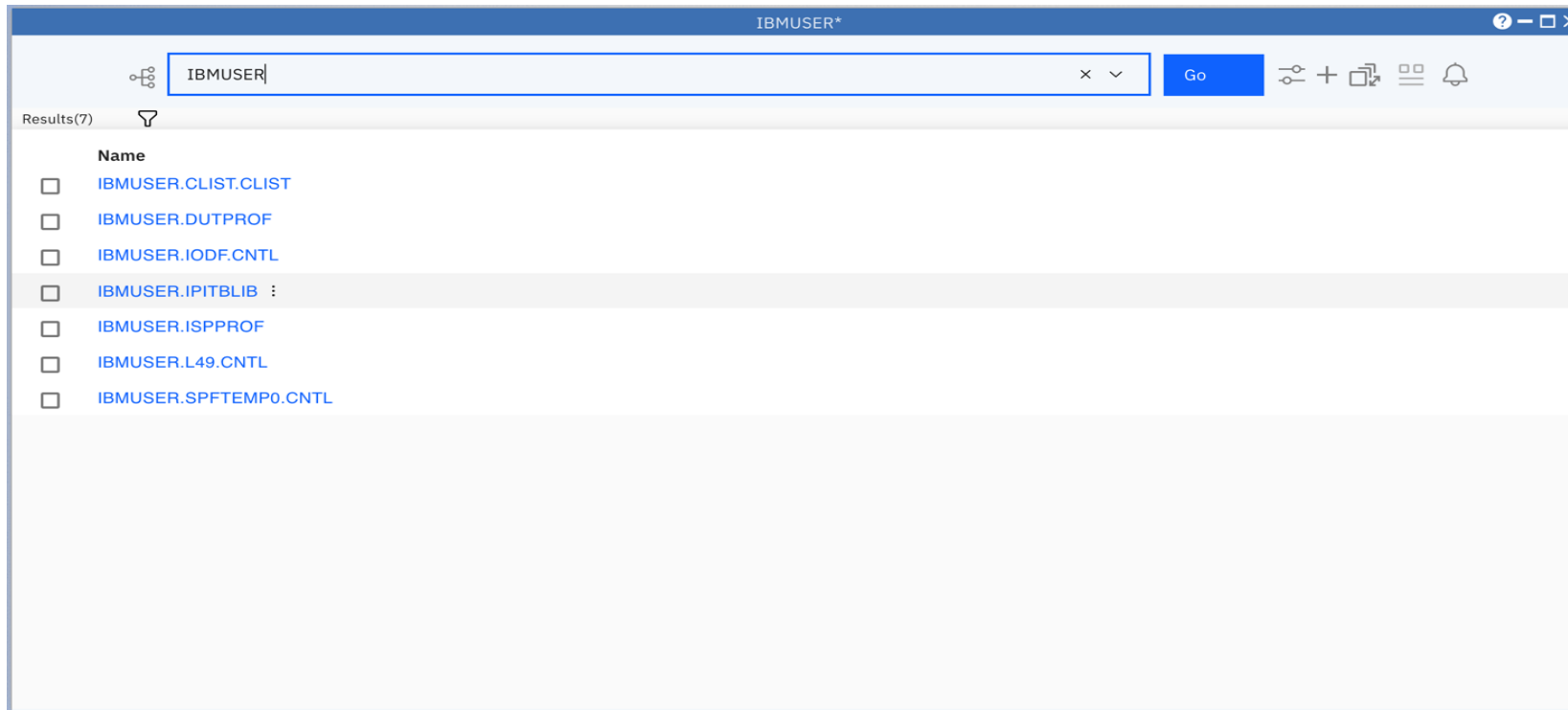
Results(6)  Items per page: 100 1 – 6 of 6 < >

	Name	Created	Size	Init	Changed	Mod	ID	VV.MM
<input type="checkbox"/>	DFWTEST1	2024/12/06	6	6	2024/12/06 22:28:11	0	HIREN	01.00
<input type="checkbox"/>	TESTJCL9	2020/07/16	0	0	2020/07/16 17:42:37	0	HIREN	01.00
<input type="checkbox"/>	TESTWF	2023/02/20	186	0	2023/02/20 15:11:03	0	HIREN	01.01
<input type="checkbox"/>	WFEPROP9	2024/12/06	1	1	2024/12/06 22:27:33	0	HIREN	01.00
<input type="checkbox"/>	WFEXML8	2024/12/06	33	36	2024/12/06 22:26:30	0	HIREN	01.01
<input type="checkbox"/>	WFEXML9							

z/OSMF Desktop enhancements – Attributes view (3)

Scenario-1

When the user disables the setting, the 'attributes view icon' will switch to a grey color, and at that point the informational attributes will not be displayed to the user.

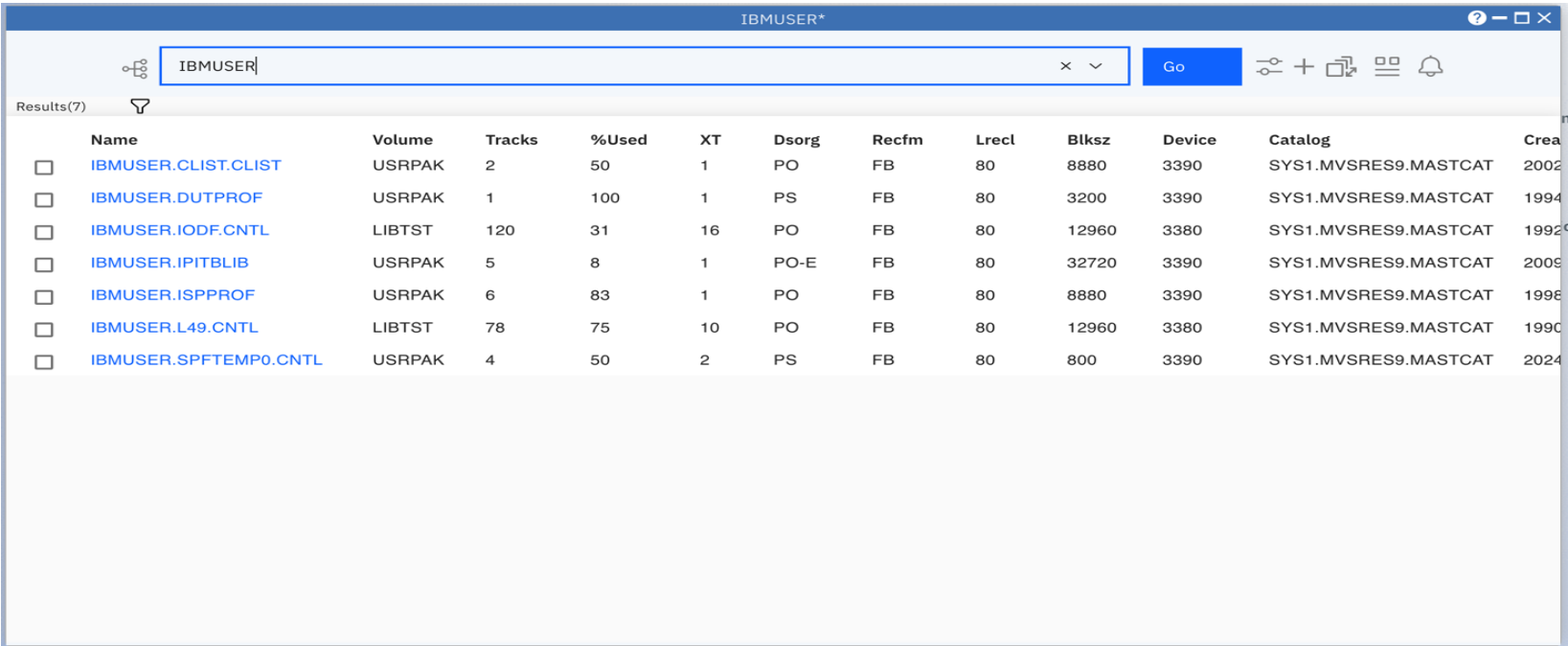


z/OSMF Desktop enhancements – Attributes view (4)

Scenario-2

When the user enables the setting, the ‘attributes view icon’ will switch to a “**black**” color, and at that point the informational attributes will be displayed to the user.

For all future queries detail attributes of dataset/members will be displayed until the “attribute view” is disabled by clicking on the icon.



The screenshot shows the z/OSMF interface with the window title 'IBMUSER*'. A search bar at the top contains 'IBMUSER' and a 'Go' button. Below the search bar, a filter icon and 'Results(7)' are visible. The main area displays a table of dataset members with the following columns: Name, Volume, Tracks, %Used, XT, Dsorg, Recfm, Lrecl, Blksz, Device, Catalog, and Creation Date. Each row has a checkbox on the left.

	Name	Volume	Tracks	%Used	XT	Dsorg	Recfm	Lrecl	Blksz	Device	Catalog	Creation Date
<input type="checkbox"/>	IBMUSER.CLIST.CLIST	USRPAK	2	50	1	PO	FB	80	8880	3390	SYS1.MVSRES9.MASTCAT	2002
<input type="checkbox"/>	IBMUSER.DUTPROF	USRPAK	1	100	1	PS	FB	80	3200	3390	SYS1.MVSRES9.MASTCAT	1994
<input type="checkbox"/>	IBMUSER.IODF.CNTL	LIBTST	120	31	16	PO	FB	80	12960	3380	SYS1.MVSRES9.MASTCAT	1992
<input type="checkbox"/>	IBMUSER.IPITBLIB	USRPAK	5	8	1	PO-E	FB	80	32720	3390	SYS1.MVSRES9.MASTCAT	2005
<input type="checkbox"/>	IBMUSER.ISPPROF	USRPAK	6	83	1	PO	FB	80	8880	3390	SYS1.MVSRES9.MASTCAT	1998
<input type="checkbox"/>	IBMUSER.L49.CNTL	LIBTST	78	75	10	PO	FB	80	12960	3380	SYS1.MVSRES9.MASTCAT	1990
<input type="checkbox"/>	IBMUSER.SPFTEMP0.CNTL	USRPAK	4	50	2	PS	FB	80	800	3390	SYS1.MVSRES9.MASTCAT	2024

z/OSMF Desktop enhancements

Support to list thousands of entries matching search criteria

**CICS

X

▼

Go

Results(2)

	Name	Volume	Tracks	%Used	XT	Dsorg	Recfm	Lrecl	Blksz	Device	Catalog
<input type="checkbox"/>	SYS1.PARMLIB	D83PET	6735	64	16	PO	FB	80	6160	3390	CATALOG.PLE:
<input type="checkbox"/>	SYS1.PARMLIB.INSTALL	PETP30	32	93	1	PO	FB	80	27920	3390	CATALOG.PLE:



Spinner to
show progress

**CICS

X

▼

Go

Results(12723)

	Name	Volume	Tracks	%Used	XT	Dsorg	Recfm	Lrecl	Blksz	Device
<input type="checkbox"/>	ANDMATT.CICS2T4A.MNDUP	MIGRAT								
<input type="checkbox"/>	APPDEV.CICSX000.JCL	SHR011	2	50	1	PO	FB	80	32000	3390
<input type="checkbox"/>	APPDEV.CICSX000.SRC.COBOL	SHR011	2	50	1	PO	FB	80	32000	3390
<input type="checkbox"/>	APPDEV.CICSX000.SRC.PROGLOAD	SHR011	3	44	1	PO-E	U	0	32000	3390
<input type="checkbox"/>	BALTA.CICSX000.JCL	SHR011	2	50	1	PO	FB	80	32000	3390
<input type="checkbox"/>	BALTA.CICSX000.SRC	SHR011	2	50	1	PO	FB	80	32000	3390
<input type="checkbox"/>	BALTA.CICSX000.SRC.COBCOPY	SHR011	2	50	1	PO	FB	80	32000	3390
<input type="checkbox"/>	BALTA.CICSX000.SRC.COBOL	SHR011	2	100	1	PO	FB	80	32000	3390
<input type="checkbox"/>	BALTA.CICSX000.SRC.PROGLOAD	SHR011	2	66	1	PO-E	U	0	32000	3390
<input type="checkbox"/>	BALTA.RESULT.OLTPERR.CICSK004.TXT	SHR009	9	100	1	PS	VBA	512	3120	3390
<input type="checkbox"/>	BERD.CICSOTE.SP606.JCL	D83WL3	28	100	1	PO	FB	80	27920	3390
<input type="checkbox"/>	BERD.CICSOTE.SP606.LOAD	D83WL3	26	92	1	PO	U	80	3120	3390
<input type="checkbox"/>	BERD.JBB6609.CICSOTE.LOAD	D83WL3	60	41	1	PO	U	0	3120	3390
<input type="checkbox"/>	BERD.JBB6609.CICSOTE.LOAD.BACKUP	D83WL3	26	65	1	PO	U	0	3120	3390

z/OSMF Desktop enhancements – Encoding support

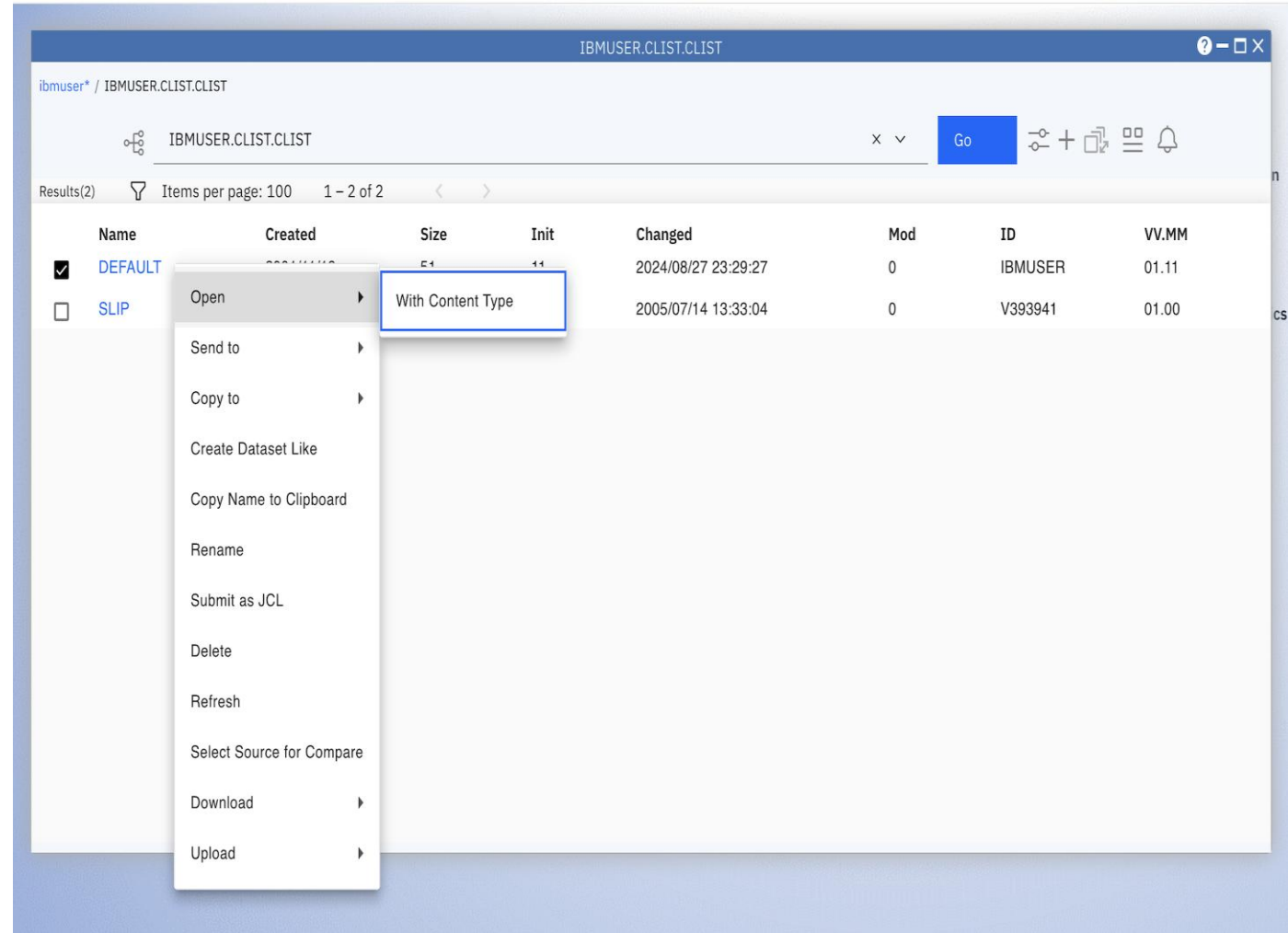
2. Working with the search results in the Desktop Editor

From the search results window, you can select a data set or UNIX file to open it. When opened, the data set or file appears in a view mode where you can view its contents or edit it with the Desktop Editor.

Browse a data set member or UNIX file:

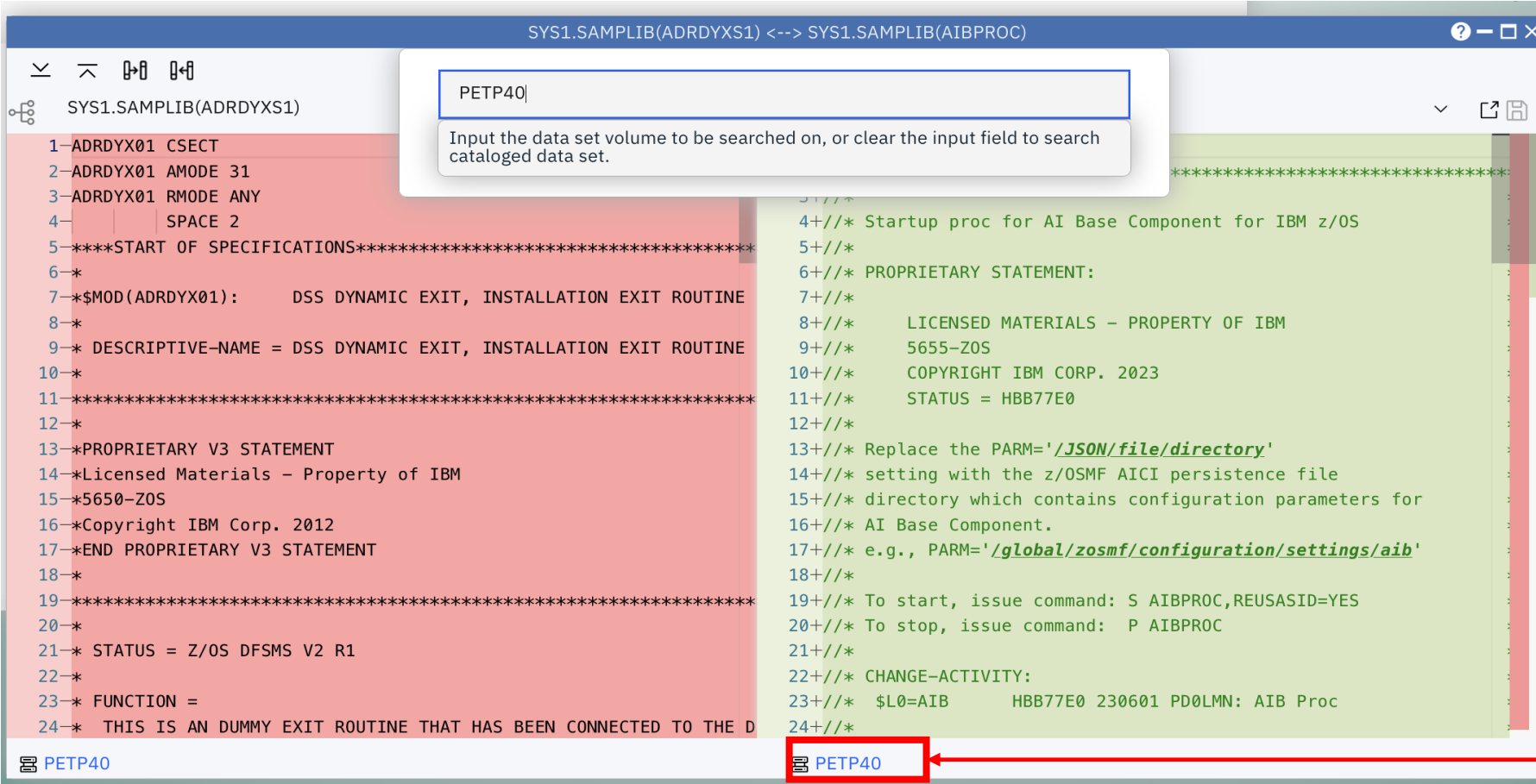
1. Similar to unix file, now the user can open the data set / member with specific encoding.

The user can right-click on the name to display the menu. Then, click **Open with content type > Input an encoding** and specify the encoding, such as UTF-8.



z/OSMF Desktop enhancements - Compare enhancements

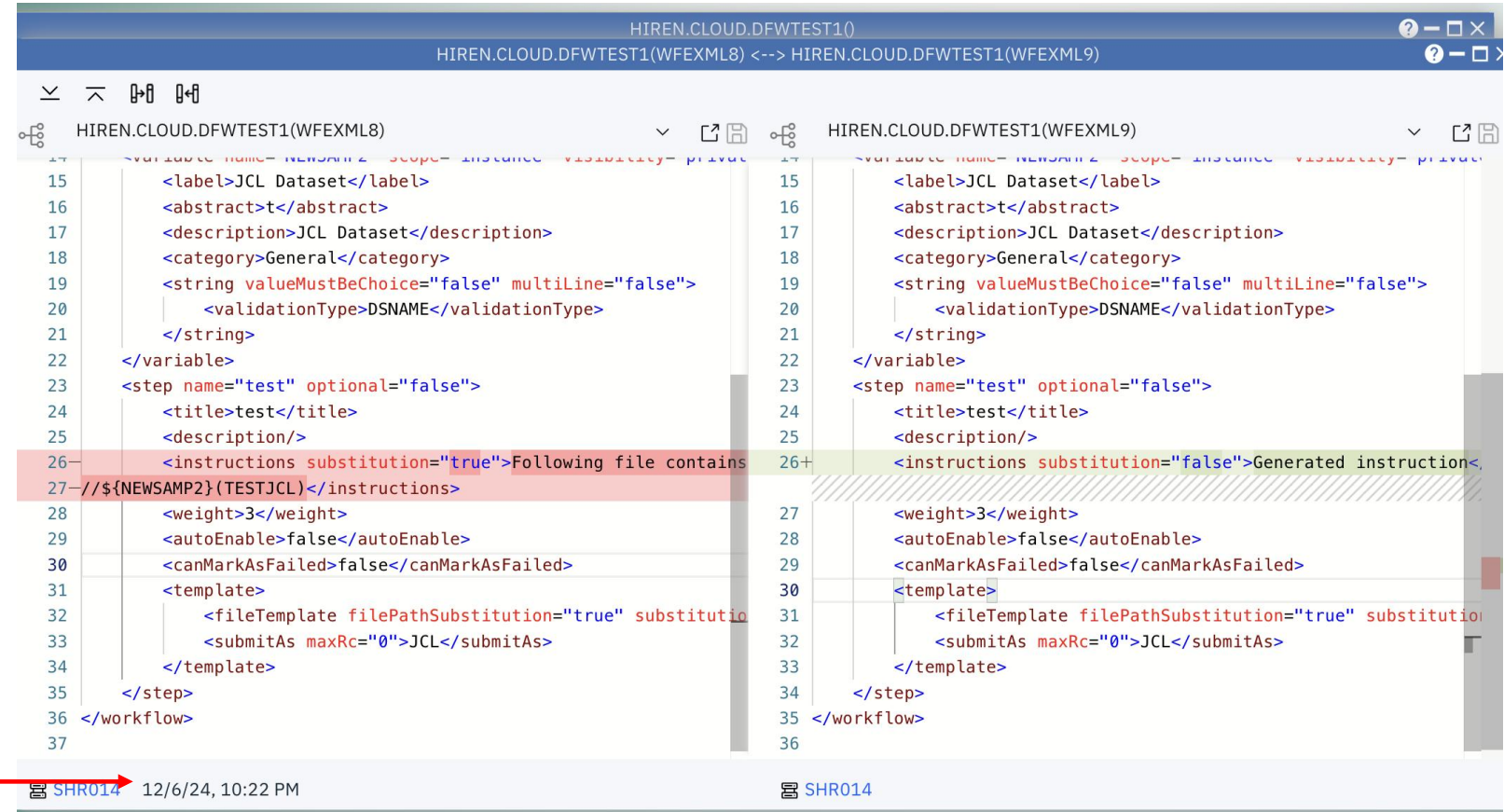
Comparing with dataset/member on different volumes



Specify volume to compare with dataset/member on different volume

z/OSMF Desktop enhancements – Compare enhancements

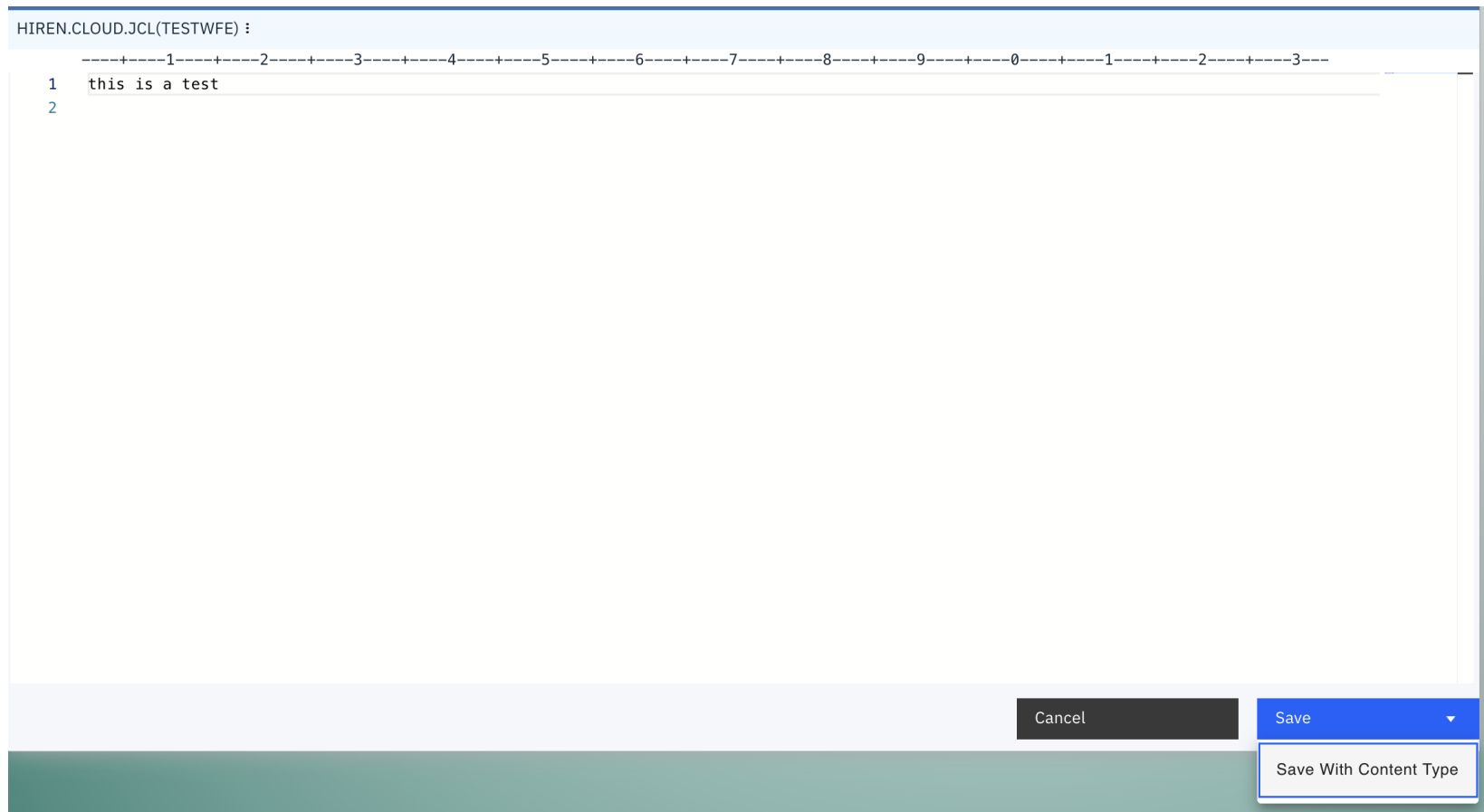
Last modified time to help user to visualize that file/dataset content is changed



Last
modified
time

z/OSMF Desktop enhancements – Save with encoding

Save the dataset/member with content type



Specify
content
type
during
save

Job Output Plugin Enhancement (PH62589)

Additional attributes for jobs:

In the 'Job Output' plugin, the attributes 'started', 'ended', 'submitted' dates will be displayed to the users for every job.

New Columns



Job Name	Job ID	Status	Owner <i>hiren</i>	Max - CC	Type	Submitted	Started	Ended
HIREN	T0133639	ACTIVE	HIREN		TSU	2024-12-06 22:36:38	2024-12-06 22:36:40	
HIREN	T0133551	ACTIVE	HIREN		TSU	2024-12-06 22:34:19	2024-12-06 22:34:19	
HIREN	T0133496	OUTPUT	HIREN	ABEND S222	TSU	2024-12-06 22:32:48	2024-12-06 22:32:50	2024-12-06 22:34:54
HIREN	T0132832	OUTPUT	HIREN	ABEND S222	TSU	2024-12-06 22:13:09	2024-12-06 22:13:10	2024-12-06 22:13:11
HIREN	T0132824	OUTPUT	HIREN	ABEND S222	TSU	2024-12-06 22:12:56	2024-12-06 22:12:56	2024-12-06 22:33:26
HIREN	T0132810	OUTPUT	HIREN	ABEND S222	TSU	2024-12-06 22:12:32	2024-12-06 22:12:33	2024-12-06 22:32:26
TESTB	J0134145	OUTPUT	HIREN	CC 0000	JOB	2024-12-06 22:50:59	2024-12-06 22:51:00	2024-12-06 22:51:00

Interactions & Dependencies

- Software Dependencies
 - No dependencies.
- Hardware Dependencies
 - None
- Exploiters
 - None

Upgrade & Coexistence Considerations

- To exploit this solution, all systems in the Plex must be at the new z/OS level: **No**
- List any toleration/coexistence APARs/PTFs. **N/A**
- List anything that doesn't work the same anymore.
 - Because SMS saves the ACS source code during translate/validate, the SCDS could take up slightly more space. It may be necessary to increase the allocation
- Upgrade involves only those actions required to make the new system behave as the old one did.
- Coexistence applies to lower level systems which coexist (share resources) with latest z/OS systems.

Installation & Configuration

- zOSMF needs to be installed and configured

Summary

- Enhancements in z/OSMF Desktop that will enable system programmer working with files and dataset/members more efficiently.
 - Improve user experience working with datasets/members

Appendix

- Publications
 - zOSMF Configuration Guide
 - zOSMF Programming Guide
 - Online help within zOSMF