

z/OSMF Update

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z/OS GSE Expertenforum

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z/OS V2.5 Release Overview

Usability and Skills

z/OSMF Desktop filter and type ahead, Workflow management and logging, simpler configuration, performance improvements, SCA for external apps, Diag Assist, Sysplex Mgmt and Policy Editor, Console UI enhancements, zMSC...

Application Development

z/OS Container Extensions, Web Enablement toolkit, OAM with DB2, ISPF, ABO, Java, Node.js, Python, Go...

Scalability & Performance

VTOC I/O, zHyperLink write Stats, WLM batch improv., IWQ for zCX, TCT, RMF...



Enhancing Security

PassTicket Improv, spool encrypt, Certificate simplification, FIPS, Data Privacy for Diagnostics, TCT full volume dump, zACS...

Availability

ARM, Anomaly Mitigation, Catalog improvements, logical corruption protection, system recovery boost, CF monopolization avoidance...

Systems Management

z/OSMF install of products/fixes, DFSMSshm UNIX indiv file backup and to new directory, Multiple NFS servers on a system, JES2 MAS-wide policy support, CP&M time limits, zWIC, SDSF SRB displays, DFSMSrmm z/OSMF plug-in...

Networking

SMC-Dv2, TLS V1.3, zERT, Sysplex Network Health, stack services...

Usability & Skills

z/OSMF Desktop – Replaces Tab UI in z/OS 2.5

- Customer grouping of items in folders, such as data sets via PH24527 (CD)
- Search, Browse, Edit files and data sets via PH16076 (CD)
- Submit, query, browse jobs – Job Output Task via PH16076 (CD)
- Syntax highlighting, user created links, improved performance PH24527 (CD)

The screenshot displays the z/OSMF Desktop interface. On the left, a search window titled 'Search / SYS1.SAMPLIB' shows results for 'IZU*SEC', listing members like IZUASSEC, IZUATSEC, IZUCASEC, etc. A blue arrow points from the search results to a file browser window titled 'zOSMF sample jobs', which displays a grid of IOIO icons representing various data sets such as SYS1.SAMPLIB(IZUASSEC), SYS1.SAMPLIB(IZUATSEC), etc. In the background, a code editor window shows a JCL program with syntax highlighting, including comments like 'DELETE the obsolete TSO/E Chinese NLV target and DLIB' and 'IRXPARS CSECT'. Another window shows XML code for a workflow wizard, with syntax highlighting and a 'with ty server' note.

Usability & Skills

z/OSMF Sysplex Management

- View Sysplex configuration
 - Table and graphical views
 - Physical and logical views, by CPC, by sysplex, by Coupling Facility, by Structure
 - Coupling Facility, Links, Structures
 - Available in z/OS 2.2 and up
- Modify Sysplex configuration
 - Sysplex-wide commands and results display
 - Command Log retained across IPL'
 - Allows review of who took what action when (and the detailed results of each action)
 - Optionally view generated commands before issuing them
 - Actions include Rebuild, Duplex, Reallocate, CF actions, CF connectivity management, Couple Dataset mgmt. via PTF for Apar PH15554 (CD)
- Sysplex CFRM Policy Editor
 - Edits information about Sysplex CFRM policy including structure sizes
 - Bulk editing capable

Usability and Skills

Sysplex Management App Phase 3b – CFRM Policy Editor

- A long-standing customer requirement is to simplify the complexity improve the “ease of use” for CFSIZER, and address its lack of integration with the CFRM policy utility that defines CF and CF structure resource
 - We have a roadmap (Sysplex Mgmt App Stage 3) as to how to address both of these concerns
- Builds on prior support for Sysplex Mgmt App Phase 3a REST APIs and abilities to update CFRM policy programmatically
- Stage 3b provides a GUI in zOSMF for CFRM policy editing, replacing IXCMIAPU batch utility
 - Policy actions – create, delete, rename, activate
 - CF and CF structure definition, modify, delete, rename, etc
 - Bulk editing of CF structures
 - Policy import/export functions
 - Bulk copy of CF structures to clone datasharing groups
 - Full referential integrity, health checking and best practices, etc – prevent mistakes rather than recover from them!
 - Coexists and interoperates with IXCMIAPU batch utility

Usability and Skills

Modify Multiple CF Structures

Modify Mode ⓘ **Absolute** Relative

Input fields that you enter values for will be applied for all the CF structures selected to modify.

Maximum size : M ▾	Initial size : M ▾	Minimum size : M ▾
Duplexing site ▾	Duplexing mode ▾	Allow automatic allocation ▾
Encrypt ▾	Rebuild threshold percentage : ▾	Recovery priority ▾
SCM algorithm ▾	Enforce CF order ▾	Allow reallocate ▾
List notification delay interval (μs) : ▾	Key range notification delay interval (μs) : ▾	

Selected CF Structures to Modify

- CACHE1
- CACHE2

Cancel

Modify Multiple CF Structures

Modify Mode ⓘ Absolute **Relative**

Input fields that you enter a value for will increase or decrease by the specified percentage and will be applied for all the CF structures selected to modify. Fields that are left empty will not be modified.

Modify all four input fields by a single specified percentage: 0 : %

Maximum size : 0 : %	Initial size : 0 : %
Minimum size : 0 : %	Maximum SCM size : 0 : %

Selected CF Structures to Modify

- CACHE1
- CACHE2

Cancel OK

Usability & Skills

z/OSMF Software Management Installation of ServerPac

- Installation method uses a simplified web-based GUI replacing the ISPF CustomPac Dialog
 - Manages allocation and placement of data sets, cataloging, and deployment in z/OSMF Software Management
 - Customization and verification is done in z/OSMF Workflow
- IBM has been delivering ServerPac as a Portable Software Instance format (CD)
 - IMS, DB2, and CICS Transaction Server and associated products, all can be installed with z/OSMF today.
 - Consistent packaging and installation method as other leading software vendors.
- z/OS 2.5 ServerPac
 - Is available in Portable Software Instance format, and only that format after January 2022.
 - Initially available in the existing ISPF CustomPac Dialog format, will be disabled in January 2022 *for all products (z/OS, IMS, Db2, CICS, MQ, and program products)*. Prepare now.
- z/OS V2.4 will not be offered as a Portable Software Instance, and remains installable with the ISPF CustomPac Dialog.
- Learn more: <https://www.ibm.com/support/z-content-solutions/serverpac-install-zosmf/> and try a sample Portable Software Instance to be familiar with the install.
- z/OSMF is required on your driving system to install a ServerPac in Portable Software Instance format

Usability & Skills

[z/OSMF Software update task \(CD\) with APAR PH28412 on z/OS V2.3 and V2.4.](#)

- GUI provides a simplified and guided process to install any SMP/E-packaged PTF, regardless of software vendor.
- Enables you to review and track SMP/E HOLDDATA in an orderly fashion. All installation output is saved so you can review it at any time.
- Supports three update use cases:
 1. **Corrective.** Install individual software updates to fix a problem.
 2. **Recommended.** Install all software updates that are recommended by software vendors. The IBM recommendations are those designated as IBM Recommended Service Upgrade (RSU) fixes.
 3. **Functional.** Install software updates to support new hardware, software, or functions identified with a SMP/E FIXCAT.
- Existing traditional methods to install SMP/E-packaged software updates (batch JCL jobs) are still possible, but z/OSMF Software Upgrade is expected to provide a simpler experience requiring lesser SMP/E skill.
- To learn more about z/OSMF Software Update, including helpful instructions on how to get started, see the [Software Update with z/OSMF](#) web page.

Usability & Skills

IBM z/OS Management Services Catalog – Planned new plugin

z/OS Management Services Catalog in z/OSMF plans to leverage the power of z/OSMF workflows to enable system programmers to run services that help complete z/OS management tasks faster and with fewer errors.

- Experienced z/OS system programmers are planned to be able to create a catalog of customized services, each written with unique institutional knowledge, protocols, and processes.
- These services can then be run by less experienced colleagues.
- IBM plans to provide an initial set of services to help z/OS system programmers of all skill levels get started, demonstrate accepted practices, and simplify information sharing.
 - Such as grow a ZFS.

Capabilities:

- Planned are a powerful graphical interface for creating new services, editing IBM-provided services, and updating existing services
- Step-by-step guidance for completing z/OS management tasks
- History of all services performed on a system is planned

You can learn more and watch for future developments on the release at the [z/OS Management Services Catalog content page](#).

THANK
YOU!



IBM