



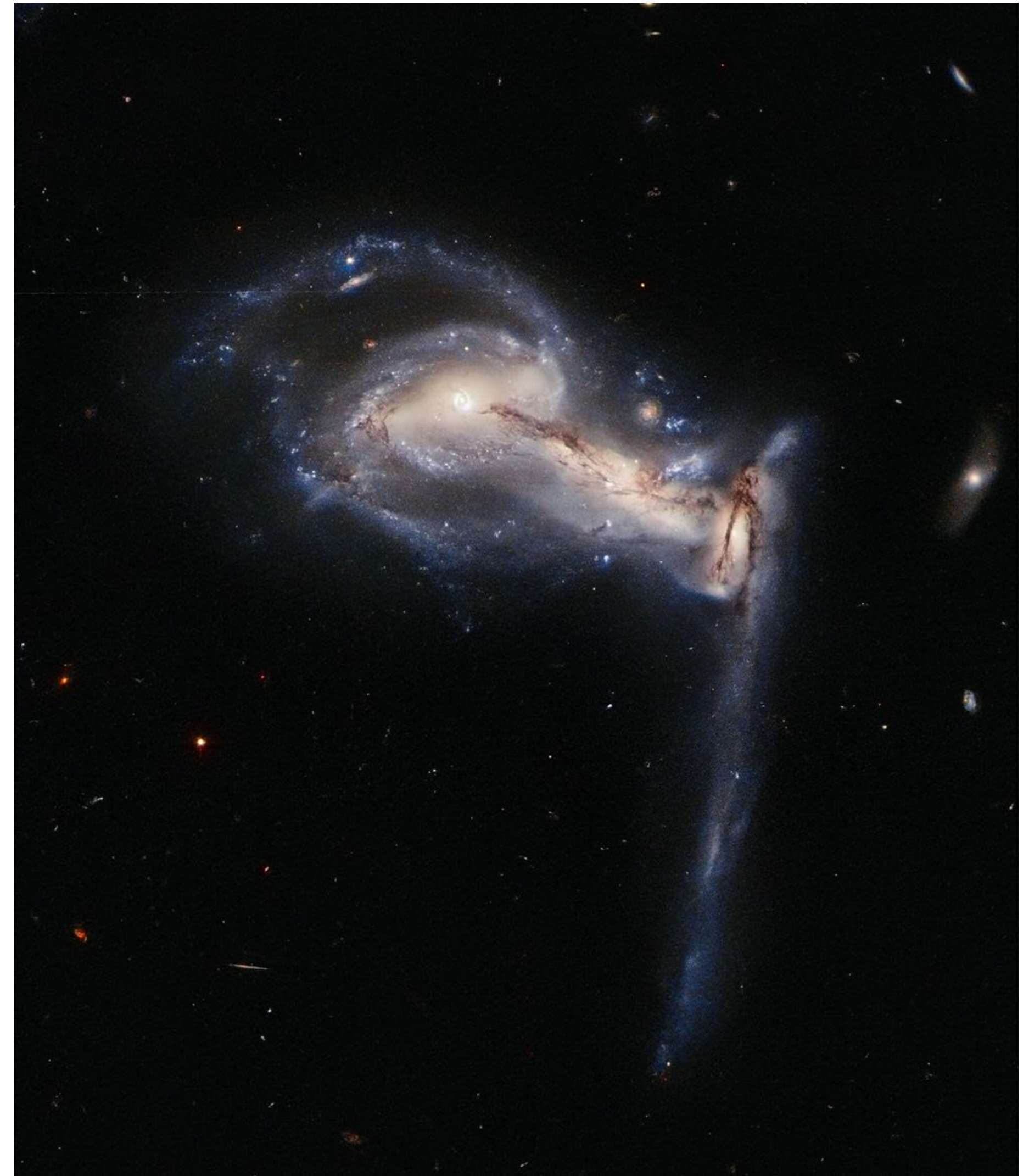
# SHARE 2021 VIRTUAL EXPERIENCE

**August 9-13, 2021**  
**By Ed Webb**



# AGENDA

- Why Go to SHARE?
- Odds and Ends
- Quotes of Interest
- Best Sessions
- SHARE Status



# WHY GO TO SHARE?

- z/OS 2.5 Preview Announced first Tuesday of SHARE (March 2, 2021) - What's Planned?
- z/OS 2.5 Announcement Just before this SHARE started - What's In It?
- z/OS 2.5 Upgrade Planning and ~~User Experience~~ (no U.E. this SHARE)
- Late-breaking z/OS 2.4 and z/OS 2.3 News
- SHARE Requirements Carry More Weight with IBM than RFEs
- Networking with peers and IBM developers and executives
  - At Fort Worth, Spent an hour in a z/OSMF Lab with the z/OS Architect

# WHY (DO I STILL) GO TO SHARE?

- Because I'm a Z Person who has attended these conferences since 1979; first GUIDE starting in 1979, then SHARE in 1999
- Networking with Friends and Vendors
- Staying Current and Being Re-energized about z/OS
- SHARE Virtual is Cheap (and I Had Permission)

# QUOTES OF INTEREST

- “Today is our first day back in the [POK] lab” - Dave Jeffries, IBM VP z/OS on Monday, August 9, 2021 (first day of SHARE Live!)
- “MVS provides the essential operating system services of z/OS. It includes I/O Control Program, the z/OS Unix System Services Kernel, and z/OS XML System Services.” - IBM Knowledgecenter per Ed Jaffe

# ODDS AND ENDS

- Curious about some new z/OS function? Then locate details here:
  - <https://www.ibm.com/support/pages/new-function-apars-zos-platform>
- RFE 119498 (#17) z/OSMF Workflow, Column of date updated or date created or both - Delivered in 2020
- RFE 101870 (#12) IOEFSUTL format and other functions should identify Version of zFS formatted or changed - Uncommitted Candidate
- <https://www.ibm.com/support/z-content-solutions/management-services>



# ODDS AND ENDS

- zCX Growth - no longer requires hardware option on zI5 (monthly license)
- IBM Container Hosting Foundation + IBM Container Repository
  - Container Registry - trusted registry for open-source container images
    - built by IBM and scanned by IBM, not supported by IBM
  - <https://ibm.biz/zregeap>
- Proactive Resilience Discovery Workshop offering - free IBM offering
  - contact [zos@ibm.com](mailto:zos@ibm.com)

# SHARE 2021 VIRTUAL EVENT

On-Demand and Live!

- On-Demand is available now (starting August 3, 2021)
- Live! is 5 consecutive days August 9-13 (sessions recorded and available)
- 45 minute sessions - audio access as well as chat
- SHARE Partners with dedicated sessions on Mon., Wed., and Thur.
- SHARE staff in each session
- backstage and public chat are available





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# BEST SESSIONS

What's New in z/OS 2.5: Summer 2021 Virtual Edition

- By Gary Puchkoff of IBM (177+ attendees)
- See 2020 Fort Worth Session 26203 What's New in z/OS 2.4: Cowtown Edition for original z/OS 2.4 functions
- See 2020 Virtual Session 28075 What's New in z/OS 2.4: Virtual Edition for z/OS 2.4 Continuous Delivery enhancements since SHARE in Fort Worth in Late February 2020



# z/OS V2.5 Release Overview – z/OS support summary

Release	z9 EC z9 BC WdfM	z10 EC z10 BC WdfM	z196 z114 WdfM	zEC12 zBC12 WdfM	z13 z13s WdfM	z14 zR1	z15	End of Service	Extended Defect Support
z/OS V2.1	X	X	X	X	X	X		9/18	9/21 <sup>2</sup>
z/OS V2.2		X	X	X	X	X	X	9/20	9/23 <sup>2</sup>
z/OS V2.3				X	X	X	X	9/22 <sup>1</sup>	9/25 <sup>2</sup>
z/OS V2.4				X	X	X	X	9/24 <sup>1</sup>	9/27 <sup>2</sup>
z/OS V2.5 <sup>3</sup>					X	X	X	9/26 <sup>1</sup>	9/29 <sup>2</sup>

**Notes:**

- <sup>1</sup> - All statements regarding IBM's plans, directions, and intent are subject to change or withdrawal without notice.
- <sup>2</sup> - Extended support dates are projected and are subject to change or withdrawal without notice.
- <sup>3</sup> - z/OS 2.5 is the last release of z/OS that will include IBM JES3 & BDT

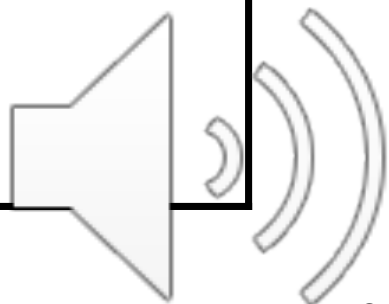
**WdfM** - Server has been withdrawn from Marketing

**Legend**

Defect support provided with IBM Software Support Services for z/OS
Generally supported

# z/OS V2.5 Release Overview - Release Highlights

Feature	Description
Workload Enablement	<b>Workload Enablement:</b> An <b>Application Developer</b> , can treat z/OS the same as any other operating system platform with respect to hybrid cloud deployment, achieving rapid application development and provisioning, demonstrating z/OS's ability to match or exceed any other operating system.
Intelligent Resiliency	<b>Resiliency:</b> An <b>Infrastructure Architect</b> will gain enhanced resiliency capabilities that provide heightened application availability, modernized tools and automated detection/mitigation procedures, enabling them to maintain exceptionally resilient environments in half the time and with reduced skill requirements.
Cyber Threat Secure Z	<b>Security:</b> A <b>Security Architect</b> can leverage cyber security system hardening and analytics to readily exceed regulatory compliance requirements and to provide a new level of cyber resiliency for the enterprise.
OS Management Simplification	<b>Systems Management:</b> An <b>early tenure z/OS System Programmer</b> , can independently, confidently, and successfully deploy, maintain, and manage z/OS (and stack) software functions using guided and customized instructions and workflows.



# 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, DFSMSrmm plug-in, zMSC...

## Application Development

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

## Enhancing Security

PassTicket Improv, Spool encrypt, Certificate simplification, FIPS, Data Privacy for Diagnostics, zACS...

## Scalability & Performance

VTOC I/O, zHyperLink write Stats, WLM batch improv., IWQ for zCX, RMF, Greater than 4TB...



## Data Serving & Storage

Logical Corruption Protection, Transparent Cloud Tiering (TCT), TCT full volume dump, Object Access Method (OAM), DFSMSHsm UNIX file backup enhancements, DFSMSHsm UNIX indiv file backup and to new directory ...

## Availability

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

## Systems Management

z/OSMF install of products/fixes,, Multiple NFS servers on a system, JES2 expanded policy support, CP&M time limits, zWIC, SDSF new displays...

## Networking

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



# MVS Program: Latest Trends

- z/OS V2R5 becomes generally available in late September 2021
  - After January 2022, all SREs must be installed using z/OSMF Software Management
- z/OS Container Extensions (zCX – Linux Docker containers running on z/OS)
  - New IBM container registry enhances customer trust in this technology
- Modernization, simplification, automation e.g., via Ansible – z/OSMF integration
- z/OS Data Set File System, native z/OS containers, cloud storage for z/OS data
- Cloud provisioning and management of z/OS middleware using z/OSMF
- Cyber resiliency, pervasive encryption, anomaly mitigation e.g., using Predictive Failure Analysis, System Recovery Boost, Run-Time Diagnostics, etc.
- Post-SHARE (Aug 23<sup>rd</sup>) announcement of new [IBM Telum Processor for IBM Z](#) – an 8-core, 7nm microprocessor with transparent main-memory encryption, 1.5X cache of z15, and > 6 TFLOPs AI acceleration per chip.

# 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](#).



# BEST SESSIONS

## Upgrading to z/OS V2.5 (Planning and Tech Actions)

By Marna Walle and Mark Wallen of IBM (134 attendees)

### **z/OS 2.4 Reminders**

- Priced - Restricted Use Common Service Area (RUCSA); z/OS Authorized Code Scanner
- Deleted - BookManager Read....
- Last order will be produced in Jan. 2022 - so get V2R4 before 2022; end of service in 2024
- Cryptographic Support (HCR77D1) was available after 30Sep2019 but HCR77D0 is part of z/OS 2.4
- No Upgrade book, use GitHub to get z/OSMF Workflow, workflow can be upgraded if IBM updates the Workflow



# BEST SESSIONS

## Upgrading to z/OS V2.5 continued

- Ordering starts in mid-September 2021; end of service in 2026
  - ==> Be sure to include Java 8 64-bit and 31-bit in your order
- HCR77D2 ICSF is part of z/OS 2.5 and is updated via PTFs for new HW support - No web-deliverable
- JES2 Level z11 no longer supported, must be at Activated at Level z22
- no DASD size changes between 2.4 and 2.5
- no zEC12 and zBC12 support
- IBM.TargetSystem-RequiredService.zOS25 is FIXCAT

# BEST SESSIONS

Upgrading to z/OS V2.5 continued

## **Big Migs [Upgrade Actions] for z/OS 2.5**

- z/OSMF ServerPac driving system requirement
- JES2 moved to Level z22
- Use SAF-based security for SDSF functions
  - No ISFPARMS or ISFPRMxx security - APAR PH27387 and others to migrate older setup
- HFS removed
- JES3 last release

# BEST SESSIONS

Upgrading to z/OS V2.5 continued

## **Upgrade Workflow APAR OA60711 (for 2.4 and 2.3 as well)**

- Not on GitHub, instead IBM Service provided these z/OSMF Workflows via PTFs
  - PTF UJ05021 (7B0 z/OS 2.3) and PTF UJ05022 (z/OS 2.4) were available March 18, 2021
- /usr/lpp/bcp/upgrade will have upgrade [a.k.a. Migration] workflows
  - zOS\_V2.5\_from\_V2.4\_Upgrade\_Workflow\_V1.0.xml
  - zOS\_V2.5\_from\_V2.3\_Upgrade\_Workflow\_V1.0.xml
  - zI5\_zOS\_Upgrade\_Workflow.xml



# BEST SESSIONS

Upgrading to z/OS V2.5 continued

- **Driving System Requirement Change for z/OS 2.5**
  - ServerPac for z/OS 2.5 is a Portable Software Instance for z/OSMF installation
  - Must have z/OSMF on Driving System with Software Management functions enabled
- **z/OSMF ServerPac** - Dec. 2019 for CICS, Aug. 2020 Db2 and IMS, Sept 2021 z/OS 2.5
  - MQ comes with z/OS SREL change to z/OSMF ServerPac
- **CustomPac ServerPac (legacy ServerPac) - Jan. 2022 withdrawn for all SRELs including z/OS 2.4 and 2.5**

# RMF Upgrade Actions for z/OS V2.5



## Upgrade Actions Pre-First IPL:

- Perform updates for RMF structural changes **(Req, as of V2.5)**

z/OS V2.3 and V2.4	z/OS V2.5	IFAPRDxx FEATURENAME
Priced feature: RMF	Priced feature: RMF	RMF
	Priced feature: Advanced Data Gatherer (ADG) (which is entitled when ordering RMF)	ADV DATA GATHER
	Base element: Data Gatherer	n/a

V2.3 and V2.4 RMF	V2.5 DG or ADG ①	V2.5 RMF ②	PARMLIB / PROCLIB
SERBLINK	SGRBLINK	SERBLNKE	LNKLST, APF
	SGRBLPA		LPALST
SERBCLS	SGRBCLS	SERBCLS	SYSPROC

For **z/OS V2.5 RMF**: do the customization in a ①. All else ② remains the same.

For **z/OS V2.5 DG** or **ADG**, do customization in ①.

Also: update CLASS(PROGRAM ) profiles for new and removed data sets.

# BEST SESSIONS

More Ways to Manage Your z/OS with SDSF for z/OS V2R5

by Rob Scott of Rocket and Gary Puchkoff of IBM (130 attendees)

## **Architectural Changes**

- SDSF SVC removed
- Only Using SAF for Security
  - Migration actions
  - New SDSF Security Migration Guide
  - REXX security migration tool “ISFACR” with sample JCL
- ==>> ISFUSER exit now only called for INIT, TERM, and PRE-SAF

# BEST SESSIONS

More Ways to Manage Your z/OS with SDSF for z/OS V2R5 continued

## **New Help and Search Interface**

- Removed thousands of ISPF help panels - stuck at 24x80
- Use help text from SDSF User Guide - stays more current
  - HELP <section>
  - SEARCH term term term to look through help
  - COLH for column Help
  - ACTH for action help
  - CMDH for command help



# BEST SESSIONS

## More Ways to Manage Your z/OS with SDSF for z/OS V2R5 continued

### **Installation and Configuration Guidance for z/OS 2.5**

- PH29560 for 2.3 and 2.4 for Sharing ISFPRMxx in Sysplex
- All SDSF security is SAF-based
  - SDSF Class must be RACLISTed
  - ISF.CONNECT.sysname in SDSF class READ access
- ISFUSER exit review needed
- SDSF and SDSFAUX address spaces are required
- ISFPRMxx AUXSAF failure recovery options
  - FAILRC4 so Deny Access if SAF returns “no decision to access”
  - NOFAILRC4 so Allow Access if SAF returns “no decisions access”

# BEST SESSIONS

Introducing the Data Set File System

by Kershaw Mehta of IBM (168 attendees)

“Accessing z/OS data seamlessly from z/OS UNIX environments has been the 'Holy Grail' ever since UNIX System Services came onto the scene.”

In z/OS 2.5 Announcement 221-260, IBM issued this SoD: “IBM plans to provide a new file system type that will render traditional z/OS data sets accessible by the z/OS UNIX name space.”

# Data Set File System - What is it?

- A new file system type that will allow customers to access data in data sets from the z/OS UNIX space (APIs, UNIX Shells and Utilities, ISPF 3.17, etc...)
  - Supported data sets:
    - Sequential, PDS, PDSEs
  - Supported record formats:
    - RECFM = F, FB, FBS, V, VB, U
    - RECFM=VBS will not be supported in initial delivery (very difficult to implement)
  - Compressed or encrypted data sets are also supported
  - Existing cataloged data sets (DASD) can be read and written.
    - no support for cataloged tape

## Data Set File System (cont.)

- Data Set File System will allocate new data sets and will it delete a data set or PDS or PDSE member.
  - For new data sets, a creation profile with data set characteristics will be used. This can be created by the user for each HLQ
  - New members can be created in existing PDS or PDSE
- Data set serialization is consistent with serialization done by ISPF edit.
- Access to a data set is governed by user permission to the data set.
  - UNIX permissions are not used.
  - There will be caching of successful access checks to avoid excessive data set access checks.
- DSFS has a single mountpoint, **/dsfs**



# Hierarchical view of Data Set File System directories and files

- Within **/dsfs** there are three directories which indicate the format for the data that will be accessed:
  - **Text: /dsfs/txt**
    - Intended to be used for variable or fixed length text files
  - **Binary: /dsfs/bin**
    - Intended to be used for fixed length binary files or undefined
  - **Record: /dsfs/rec**
    - Intended to be used for variable length binary files

User needs to know the type of data is in the data set to which they want to use under z/OS UNIX

**Note:** A text file in this context is a file that contains only viewable data. For example, you should **not** consider a data set as text if when you view or edit it in ISPF you get the message:

- -CAUTION- Data contains invalid (non-display) characters.

# Hierarchical view of Data Set File System directories and files

- The next level directory is the high-level qualifier (HLQ) or qualifiers for the data set.
  - Typically, this would be the HLQ for the data sets, however multiple levels of the data set name can be used.
- Examples: (using the data set HLQ as next level directory)

**KERSHAW.PROJ.SOURCE.MYFILE** could be mapped to **/dsfs/txt/kershaw/proj.source.myfile**  
(Sequential)

**KERSHAW.PROJ** could be mapped to **/dsfs/txt/kershaw/proj**  
(Sequential)

**KERSHAW.PROJ.SOURCE (MYFILE)** could be mapped to **/dsfs/txt/kershaw/proj.source**  
**/dsfs/txt/kershaw/proj.source/myfile**

directory

# BEST SESSIONS

Introducing the Data Set File System continued

No announced availability date, possibly in 1H2022

Probably in z/OS 2.5 only

First requested in the GUIDE white paper in July 23, 1993  
*OpenEditionMVS: A First Look*

A z/OS USS goal of longtime IBMer Bill Schoen

# BEST SESSIONS

## What's New in z/OSMF V2R5?

By Xiao Zhen Zhu [Joey] of IBM (10+ years developing z/OSMF) (159 attendees)

- z/OSMF Lite Configuration (introduced in z/OS 2.4) Required for ServerPac Installation
  - z/OSMF Nucleus
  - 9 z/OSMF Core Services - each separately documented
  - 2 of 11 z/OSMF Optional Services - each separately documented
    - Software Management (required)
    - Security Configuration Assistant (SCA) (recommended, not required)



# BEST SESSIONS

What's New in z/OSMF V2R5? continued

## **z/OSMF Nucleus setup**

- Verify Java 8 64-bit level works
- Use IZUNUSEC job to setup security for Nucleus
- Create z/OSMF data file system (IZUMKFS) /global/zosmf/
  - Make sure z/OSMF data file system is added to BPXPRMxx so it's mounted at IPL
- Update PROCLIB with z/OSMF procedures
- Start z/OSMF

# BEST SESSIONS

Hidden Treasures in z/OS (a.k.a. Bit Bucket x'3E')

## **Respect! by James Lund**

- Keep RSU level current
- ==> If your shop uses a Managed Services (3rd party) provider, require them to keep your system RSU current

# BEST SESSIONS

## Hidden Treasures in z/OS (a.k.a. Bit Bucket x'3E')

### **JES2 Policy by Mike Shorkend**

- z/OS 2.2 had 60 possible exits!
- JES2 Policy written in JSON can take place of some of these
- One policy type is Job Conversion (exits 2/52 and 3/53)
  - 2 more types are coming in z/OS 2.5
- \$Add a POLICYLIB PDS for your policies and import them into JES2 via the \$POLICY command
  - Set conditions to test attributes and then take action
- Sample in JES2 manual and in Tom Wasik's excellent presentation
- On z/OS 2.4, install PTFs UJ03635 and UJ03971 to co-exist with z/OS 2.5 improvements



# What does a policy look like?

```
1  {
2
3      "policyName": "JCONV1",
4      "policyVersion": 1,
5      "policyType": "JobConversion",
6      "definitions":
7      [
8          {
9              "condition" : " jobprty < 5 ",
10             "actions" :
11             [
12                 {
13                     "action" : "HoldJob"
14                 },
15                 {
16                     "action" : "modifyJob",
17                     "attribute" : "JOBPRTY",
18                     "value" : " jobprty + 1 "
19                 },
20                 {
21                     "action" : "SendMessage",
22                     "message" : " 'Job ' || JOBNAME || ' was held' "
23                 }
24             ]
25         },
26     ]
27 }
```

If JOB PRTY < 5  
Then  
Hold the job;  
Bump up Priority by 1;  
Send a message to the  
console ;

JSON file      length : 574 lines : 28      Ln : 1 Col : 1 Sel : 0 | 0      Windows (CR LF)      UTF-8      INS

# BEST SESSIONS

Hidden Treasures in z/OS (a.k.a. Bit Bucket x'3E')

## **Official CBT ISPF Dialog (OCD) by Lionel B. Dyck**

- File043 [cbttape.org](http://cbttape.org) (look at [Updates page](#) first for most current one) or on GitHub
- Run \$INSTALL member to create hlq.FILEIDX.PDS and CBTCONFIG member
- If no FTP on z/OS, download FILE001 for use by OCD

## OCD - The ISPF Dialog

```
CBTTape® 1.52      The Official CBT V501 ISPF Dialog      Updates.
Command ==> _      Scroll ==> CSR

S  File  Description                                     Date
- 001 Detailed documentation of the CBT MVS Utilities Tape * V501
- 002 CBT973 Compression-Decompression Program for Files   V501
- 003 JCL member to load each tape file to disk           + V501
- 004 Put ./ ADD cards into this file to make a PDS        V501
- 005 VMREXX exec to load CBT tape to VM - V2.0           + 21/05/16
- 006 Collection of Utilities to manipulate File 001 doc   + V501
- 007 SYSUPLOG (keep as EBCDIC only) - sequential data    + V501
- 008 Jobs used to create the previous CBT Tape version    + 21/05/16
- 009 Gene Lew old RACF exits                             V501
- 010 IMON for z/OS - a comprehensive z/OS monitor        V501
- 011 MVS DEBE, MSG2USER, System Info into CLIST variables V501
- 012 John Hancock Mutual ISPF Background Jobs driver     V501
- 013 SHARE RACF mods tape - SETPW2 fixed - WHOIS fixed   V501
- 014 Sam Golob's SMP/E Introduction tutorial, etc.        + 21/07/09
- 015 Warner Brothers collection of Utilities and Exits    V501

61 updated files are available. Use the Update command to retrieve all
updated files, or the U selection to update selected files.

- 020 A collection of system level REXX execs              + 21/04/15
```

When started the code does several things:

1. Check the CBTCONFIG (application configuration parameters) to determine if FTP is enabled.
2. If FTP enabled, confirm that (trust but verify)
3. If FTP is really enabled:
  1. Check for an updated CBT 'tape' version – inform the user if there is
  2. Check for files in the \updates directory – get a list of updated files and inform the user

# BEST SESSIONS

z/OS 2.5 Communication Server Update by Sam Reynolds of IBM

z/OS Encryption Readiness Technology (zERT) (64 attendees)

- z/OSMF zNA plug-in for analyzing SMF 119 Type 11 zERT records
- zERT Aggregation Recording Interval (new in 2.3 and 2.4) to reduce volume of SMF 119 records with new Type 12
- zERT in z/OS 2.5 supports policy-based enforcement of rules in realtime
  - uses Network Configuration Assistant (z/OSMF) to create rules
  - puts rules into Policy Agent and installs into the TCP/IP stack
  - Actions taken to report violations and later, if you choose, terminate connection



# BEST SESSIONS

z/OS 2.5 Communication Server Update continued

- IPSec certificate reporting enhancements in z/OS 2.5
- AT-TLS and IPSec certificate diagnostics
- Share Memory Communications V2 (SMCv2)

# BEST SESSIONS

z/OS 2.5 Communication Server Update continued

## **TCP/IP initialization complete or is it?**

- EZAIN111 All services...available but Dynamic VIPA and PAGENT and other servers may not be ready yet
- In z/OS 2.5, new messages (and ENF signals) to say we are really really initialized
- EZD1314I TCP/IP and Extended Services are now initialized for Stack: tcpstackname
- Eventual action messages to provide reason for delays EZD1315E...
- Defaults should be good for most environments but GLOBALCONFIG statements can tweak settings

# BEST SESSIONS

z/OS 2.5 Communication Server Update continued

- Function removals in z/OS 2.5 - see list in presentation
- TN3270E Telnet Server, FTP SERVER, and DCAS now require AT-TLS
  - old native TLS/SSL will not work
- Follow Comm Server on new IBM Communities

<https://www.ibm.com/community/z/software/comm-server/>

# BEST SESSIONS

## Install z/OS 2.5 ServerPac Using z/OSMF Software Management

By Kurt Quackenbush of IBM (133 attendees)

- Minimum z/OSMF PTFs for Software Management install of z/OS ServerPac
  - z/OS V2.5, HSMA254 = UI76168
  - z/OS V2.4, HSMA244 = UI76169
  - z/OS V2.3, HSMA234 = UI76170
  - See “ServerPac Installation using z/OSMF” for the latest list of required PTFs  
<https://www.ibm.com/support/z-content-solutions/serverpac-install-zosmf/>
- ==> Choosing between an existing or new Master catalog is a critical decision



# BEST SESSIONS

Install z/OS 2.5 ServerPac Using z/OSMF Software Management

- Use Try it tab on this page  
<https://www.ibm.com/support/z-content-solutions/serverpac-install-zosmf/>
- z/OSMF Portable Software Instance Demo
  - [Watch the Tutorial series](#)
  - Download the [Sample z/OSMF Portable Software Instance](#)

# BEST SESSIONS

## Avoid Unconscious Bias to Become a Better Professional

By Misty Decker of Micro Focus (33 attendees)

- 90% of decisions are made unconsciously
  - human brain can process only 40 out of 11 million pieces of information every second
- AI is often trained on biased data
- bad thing is to persist in a known bias
- actively work to counter bias
- unconscious bias against yourself - may be similar to Impostor syndrome

# BEST SESSIONS

Avoid Unconscious Bias to Become a Better Professional

## **Afraid of being accused of bias can prevent action**

1. Pay attention - notice your bias so you can work on it
  1. listen to everyone but particularly marginalized groups, respect their perception
2. Believe them - doubting expertise of others may be a sign of bias
3. Ask questions - most can accept questions if you ask respectfully
4. Respect Their Boundaries - preferred pronouns are an example; it's not about what you want but what they are comfortable with

# BEST SESSIONS

## Avoid Unconscious Bias to Become a Better Professional

1. Speak up - “being an ally is not a feeling, it is action” - defend the person being harmed, speak up when you are uncomfortable
2. Actively redefine Normal - affirmative action - equal counter action
  1. Look for best person with extra effort at women’s colleges or HBCUs and other diverse sources
  2. Mentor and promote diverse colleagues
3. Training Your Brain - rewire your brain, make the effort, expose yourself to diversity, spend time



# BEST SESSIONS

z/OS JES2 Enhancements by Tom Wasik of IBM (128 attendees)

- JES3 not shipped after z/OS 2.5
- SPOOL Compression and Encryption
- JES2 Policies
- 31-bit JES2 Private Storage APAR
  - track group map (TGM) moved to 64-bit private (reduced 31-bit private storage about 48M)
- PROCLIB (z/OS 2.5 only - not CD)
- 2-8 character PROCLIB DD names for JOBCLASS PROCLIB= in JES2
- New SMF Record 1153 to correct SMF Record 84 brought from JES3
- OA58722 coexistence for 2.4 JES2 to tolerate z/OS 2.5 JES2

# BEST SESSIONS

zRoadshow

By Frank Kyne and Marios Bezzi of W&W (165 attendees)

- SHARE session presentations only available to members
- RMF 2.5 restructure
- IBM Documentation website replaced IBM KnowledgeCenter on April 1, 2021
- COBOL V4 goes End-of-Service on April 30, 2022 (slide xx)
  - COBOL V4 produces 9672 code (ARCHLVL 2 or 4?)
  - z15 is ARCHLVL 13! causes a dramatic reduction in COBOL generated instructions

# BEST SESSIONS

zRoadshow continued

- Language Environment - little understood, common run-time for COBOL and JAVA, Options are Important
- IBM SMFpy
  - IBM Statement of Direction to deliver an SMF data access toolkit (not a Packaged Solution)
  - Improved access to SMF data by Python
  - Process SMF data with Jupyter Notebooks





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# SHARE STATUS

Best Session Awards for Virtual Summit in March 2021

## **Best of the Best Session Awards**

- User: Do You Feel Invisible?
- Vendor: Building Women into Leaders in IT

## **User Best Session**

- CICS Explorers
- Gender Diversity
- zVM Sponsor User Experience Panel

## **Vendor Best Session**

- DASD use for Cyber Data Protection
- What's new with SUSE Linux off Z
- WLM Response Time Goals

## **Strategic Partners Best Sessions**

- Embracing Apprenticeships for Women
- Introducing REST-enabled BCPii

# SHARE STATUS

Service Awards for Virtual Summit in March 2021

- Keith Moe of BMC - 15 Years of Volunteering for SHARE
- Skip Robinson Retired from SoCalEd - 35 Years of Volunteering

# SHARE STATUS

Year-Round Education and SHARE Communities

## [SHARE Security Webcast Series](#) Aug 2021-July 2022

- 50 Year anniversary of the Software Security Project
- 21 webcasts from top mainframe security professionals

## [SHARE Communities](#)

- Building out new Security Community
- Launching new SHARE Open Discussion community Q3
- Reinvigorate Women in IT and zNextGen





# SHARE

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## SHARE Communities

SHARE online communities provide members and volunteers a place to connect over specific hot topics and ongoing volunteer programs and projects. The online communities offer discussion forums to engage on the latest enterprise IT trends, solutions to your technology issues and file sharing. To access the communities you are a part of login. If you are interested in joining a volunteer community. [Please fill out the form here.](#)

### Latest Discussions



#### Agenda and Links to SHARE Virtual Event 2021 MVS Closed ...

By: **Edward Jaffe** , 28 days ago

Posted in: **MVS Program - Closed Door List1**

MVS Closed, Please find below the Zoom links and phone numbers for next week's closed sessions. The agenda is attached: ----- MVS Closed Meeting with IBM 1 of 2 Time: Aug 9, 2021 04:15 PM Central Time (US and Canada) Join Zoom Meeting: ...

### Recent Shared Files



#### MVS Program Interior Slides

By: **Edward Jaffe** yesterday

Posted in: **SHARE Volunteers**



In-person and online events are a hallmark of SHARE, where plentiful learning and networking benefit the entire community.

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# SHARE STATUS

## 2022 Event Strategy

- Winter 2022 event - maybe March 2022
- Insights gathered>Event Modeling phase 1>Event Model phase 2 > Next Steps
- poll - 87% want in-person event
  - 44% of volunteers say companies will send reps, 44% are not sure if companies will send someone
- initial plan was Dallas, site visit was conducted, but SHARE team decided not to proceed
- shorter event, reduce general session setup, reduce STE setup and contractor fees, remove the emcee
- additional reductions in discussions