SHARE 2023 NEW ORLEANS

August 13-18, 2023
By Ed Webb

AGENDA

- Why Go to SHARE?

- Quotes of Interest

- Odds and Ends

- Best Sessions

- Other Sessions of Interest

- SHARE Status

Cover: Tarantula Nebula from James Webb Space Telescope
Here: Cartwheel Galaxy from James Webb Space Telescope
Courtesy of NASA

WHY GO TO SHARE?

- z16 Single Frame and LinuxONE 4 Announced April 4, 2023
  - 20 new instructions for COBOL and AI, CFLEVEL 25, Python is ZIIP-enabled
  - New quantum-safe CRYSTALS-Dilithium and -Kyber Encryption options
  - Validated Boot
- z/OS 3.1 [Announcement](#) Review and Upgrade Planning
- Late-breaking z/OS 2.5 and z/OS 2.4 News - 2Q2023 and 3Q2023 Continuous Delivery Functions
- Networking with peers and IBM developers and executives

WHY GO TO SHARE?

- **SHARE Requirements Carry More Weight with IBM than Ideas (were RFEs)**
  - On SHARE site, use Vote for Submission to more easily view text of requirement
    - https://www.share.org/Connect/Advocacy-Requirements-System
  - www.ibm.com/ideas   z/OS direct link
  - Submit tactical rather than strategic Ideas

WHY (DO I STILL) GO TO SHARE?

- Because I'm a Z Person who has attended these conferences since 1979; first at GUIDE starting in 1979, then at SHARE in 1999

- Networking with Friends and Vendors

- Staying Current and Being Re-energized about z/OS

- First SHARE in New Orleans since 1996 (SHARE 2006 NOLA was moved because of Hurricane Katrina in 2005)

SHARE 2023 NEW ORLEANS
5 Days In-Person and Some Streaming with Recordings!

- Four Days Full of Content with some sessions live-streamed and recorded

- SHARE Tech Exchange Sunday, Monday and Tuesday evenings with food

- Lunch (free) and Learn Sessions on Monday and Wednesday

- Broadcom-sponsored Lunch (free) on Tuesday

- Recorded sessions are available now (Ends October 31, 2023)

  - 45-50 minute sessions - video and audio with handouts in most cases

- SHARE Partners with dedicated sessions on Wednesday

QUOTES OF INTEREST

- "AI is not magic, it's still garbage-in, garbage-out"
  - Elpida Tzortzatos of IBM
- "Properly written problem description+complete set of doc.+best maintenance practices=happy customer experience"
  - John Shelby and Laura Sperling of IBM
- "Desktops and server computers are puny mammals to be trodden underfoot"
  - Joe Winchester of IBM

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

    - https://www.ibm.com/support/z-content-solutions/management-services

- New to Z Community - IBM Training for Z jobs

SH△RE

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- Event Calendar
- Partner Opportunities

PAST EVENTS

- Proceedings

SHARE ATLANTA 2023

- Registration
- Schedule-at-a-Glance
- Technical Agenda
- Speakers
- Activities
- SHARE Atlanta FAQs

SHARE NEW ORLEANS 2023

- Call for Presentations

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Events

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Search

ispf

Filter By:

Number of search result: **202**

ISPF Hints, Tips, and Recent Improvements

BEST SESSIONS
What's New in z/OS 3.1: The Big Easy Edition

By Gary Puchkoff of IBM

- New version (first in 10 years), updated license requirements, same pricing
- no V for version in front of 3.1 - it's just IBM z/OS 3.1
- z/OS 3.1 themes are AI-Infusion, modernization and simplification, security and resiliency
- z/OS 3.1 is not supported on z13 and z13s
- z/OS 3.1 requires Java 11, Java 8 still works on 3.1 but z/OS needs Java 11
  - Java 17 Available and will be Required during life of z/OS 3.1 (Nov. 2024)
  - 25 years of Java on z/OS
- SCA (Security Configuration Assistant) line mode support can be used before z/OSMF starts first time

z/OS 3.1 Release Overview – z/OS support summary

Release	z10 EC z10 BC WdfM	z196 Z114 WdfM	zEC12 zBC12 WdfM	z13 Z13s WdfM	z14 ZR1 WdfM	z15	z16	End of Service	Extended Defect Support
z/OS V2.2	X	X	X	X	X	X	X	9/20	9/23[2]
z/OS V2.3			X	X	X	X	X	9/22	9/25[2]
z/OS V2.4			X	X	X	X	X	9/24[1]	9/27[2]
z/OS V2.5				X	X	X	X	9/26[1]	9/29[2]
z/OS 3.1					X	X	X	9/28[1]	9/31[2]

Notes:
[1] - All statements regarding IBM's plans, directions, and intent are subject to change or withdrawal without notice.
[2] - Extended support dates are projected and are subject to change or withdrawal without notice.

WdfM - Server has been withdrawn from Marketing

Legend

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

BEST SESSIONS
What's New in z/OS 3.1: The Big Easy Edition

- z/OS Software Package signing (CD)
  - Portable Software Instance being signed with intro of 3.1 (optional use)
- z/OS memory limit raised to 16TB
- RMF
  - New browser-based UI (Open Source Grafana) for monitor III and reports
  - New DDS with 64-bit support and ZIIP-eligible
- z/OSMF UI for SDSF being updated as well
- z/OS Change Tracker (priced)
  - z/OSMF plug-in with 90-day self-service trial available

BEST SESSIONS
What's New in z/OS 3.1: The Big Easy Edition

- z/OS Management Services Catalog (CD)
- System Management
  - AI System Services for IBM z/OS
    - WML for z/OS Core and Common Data provider
  - SMF Explorer with Python (CD)
  - JES2 Policy, Job Notifications, Resiliency improvements
  - MEMLIMIT diagnostics, BCPii and HCM are 64-bit and support JAVA 11

BEST SESSIONS
What's New in z/OS 3.1: The Big Easy Edition

- Data Serving and Storage
  - Cloud Storage via DASD or Tape or directly (cloud data access (CD))
  - DFhsm hierarchical support for cloud, other enhancements
  - DFdfp Catalog enhancements, exits, reporting
  - DFrmm z/OSMF plug-in
  - UNIX file backup and restore including EXCLUDE
  - NFS server and Union File System (CD)
  - Data Set File System (CD) for Unix access to z/OS data sets

BEST SESSIONS
What's New in z/OS 3.1: The Big Easy Edition

- Security
  - Database encryption requires moving RACF DB to VSAM DB
  - Improvement for SPECIAL user revocation
  - ICSF Master Key Ownership, Read-Only Archive keyword
  - TLS improvements
  - z/OS Authorized Code Scanner and Monitor priced feature
    - zACM monitor for production
  - Compliance Support for z/OS - better reporting, health checks

BEST SESSIONS
What's New in z/OS 3.1: The Big Easy Edition

- z/OS Education Assistant for z/OS 3.1 materials at z/OS github:
  - https://github.com/IBM/IBM-Z-zOS/tree/main/zOS-Education/zOS-3.1-Education
- z/OS Requirements (RFEs) are now Ideas based on AHA platform:
  - https://ideas.IBM.com
- Here's the Link to User Requirements satisfied by z/OS 2.5 (any in 3.1?):
  - https://www-01.ibm.com/servers/resourcelink/svc00100.nsf/pages/zosv2r5-user-req?OpenDocument
- Use SHARE requirements to submit requirements
  - https://www.share.org/Connect/Advocacy-Requirements-System

BEST SESSIONS
What's New for z/OSMF 3.1

By Joey Zhu, z/OSMF Development, and Fiona King, z/OSMF Product Manager

- z/OSMF Desktop
  - Multiple search windows (CD)
  - Upload and download files or data set (PH44157) (CD)
  - Compare and Merge files or data sets (PH39605) (CD)
- AI Control Interface (AICI) for z/OS
  - AICI plugin
  - AI framework Overview
  - AI Bridge and EzNoSQL

BEST SESSIONS
What's New for z/OSMF 3.1

- System management
  - 3.1 and CD provide graphic-based CFRM policy editing
  - Sysplex policy editor, compares, exports to CSV
  - CF Sizing policy editor replaces CF Sizer Web application
- Security Configuration Assistant (SCA)
  - SDSF support (import SDSF SCA file) PH48846 for any source input
  - Fix security issues with a few clicks (PH39327) and REST API support
- PH44158 System Task to validate connection status among Sysplex members

BEST SESSIONS
What's New for z/OSMF 3.1

- Ansible support
  - z/OSMF Ansible Collection - see Ansible Galaxy and Red Hat Automation Hub
  - https://ibm.biz/zOSMFAnsibleCollection
- Workflow Engine enhanced
  - RunAsUser
  - Signer
  - WF step signing process
    - WF definition + z/OSMF signing certificate
  - Improved Workflow UX (user interface)
  - Improved z/OSMF management
- IZUSECJL(SAMPLIB) and PROCLIB(IZUSECSV) to validate Nucleus setup before initial start

BEST SESSIONS
What's New for z/OSMF 3.1

Don't Despair, There is help

- [One Stop Hub](#)
- Join [IBM Z Communities](#) to communicate with kindred spirits or lost souls
  - z/OSMF Guild [home page](#)
    - Archived presentations back into 2021

BEST SESSIONS
z/OS Containers

by Kershaw Mehta of IBM

- Open Container Initiative for container runtime and Kubernetes orchestration technology
- Container
  - Standard unit of software that package app code and all required dependencies
  - Use facilities in OS to run apps in isolated environment
  - Moving , stacking, unstacking of compliant software easier - app portability and isolation containers, like applications, are OS and HW dependent
  - Containers are the currency for Cloud applications
- z/OS Container Extensions (zCX) - run linux, docker or OpenShift apps on z/OS

BEST SESSIONS
z/OS Containers

- Containers for Application Deployment
  - Personal computer>virtual machines >Containers
  - Remove VM layer and update OS to run containers
- Containers Today
  - X86, Linux on Z, z/OS Container Extensions, Windows Containers
- z/OS Containers (OCI-compliant) native on z/OS

BEST SESSIONS
z/OS Containers

- z/OS Containers are new
  - App, config, monitoring agent, software libraries
  - z/OS Connect will probably be the first z/OS containerized application
  - Enable sysprogs to create templates (images) for consumption by developers in a regulated manner

- Benefits behind containers
  - Skills consistency (tools and skills are aligned across organization)
  - Standardization, orchestration (deploy and management such as Kubernetes) across container-supporting platforms

BEST SESSIONS
z/OS Containers

- Open source tech being used to implement containers on z/OS
  - OCI, Kubernetes [kubelet is Started task], CRI-O (lightweight alternative to Docker - runs as Started Task), RunC is container runtime, Podman (POD manager) [CLI build, run for lifecycle of container], skopeo [CLI to manage images], umoci [image build]
  - Red Hat Open Shift runs these same technologies
- K Control Plane (zCX-like address space) - built to run as a appliance (zCPA)
  - K cluster has odd number of zCPAs that vote to manage apps

BEST SESSIONS
z/OS Containers

- z/OS Containers Rollout
  - z/OS Unix applications - z/OS Connect, Java, Node.js, Python
  - Traditional middleware apps - CICS, IMS, Db2

- z/OS Containers
  - Separate from z/OS release, available by EOY 2023
  - APF authorized libraries are a challenge

BEST SESSIONS
ISPF Recent and Upcoming Changes

By Sam Reynolds, IBM RTP

Upcoming in 3.1

- ISPF development moved to Sofia, Bulgaria in 2022
  - Should help in zOSNext enhancements
  - Now 3 full time developers
- Sam Reynolds is still Product Owner

BEST SESSIONS
ISPF Recent and Upcoming Changes

Changes in ISPF 3.1 available

- ISPF enhancements for pervasive encryption

  - Pre-3.1, no support for pervasive encryption

  - Could only be allocated via TSO command or by using JCL

  - Now "DSKEYLBL" field added to ALLOCATE panel (option 3.2) or in Define Cluster panel

  - ALLOCATE succeeds whether encryption worked or not so ISPF message "keylabel ignored"

BEST SESSIONS
ISPF Recent and Upcoming Changes

Changes in ISPF 3.1 available

- Case-Insensitive Sort for ISPF UNIX directory list
  - UDLIST similar to ISHELL except could not use caseless sort
  - ZOS-I-1298 Idea implemented case-insensitive sort
  - UDLIST Option to make CIS option default
  - SORT caseless option
- PDSE V2 member generation enhancements
- SCLM is still supported but not being enhanced

BEST SESSIONS
Upgrading to 3.1: Planning (1 of 2)

By Marna Walle of IBM
- z16 HW workflow
  - /usr/lpp/bcp/upgrade/z16_zOS_Upgrade_Workflow.xml
- Content of 3.1
  - Crypto HCR77E0 is element of z/OS 3.1 - no web-deliverable needed
  - "Future function" related to IBM Documentation Function
    - Empty FMID that will be update later
  - XML Toolkit V1.11 is now base element
  - Order z/OS Security Level 3 (four elements) still have export controls
    - Comm Server SL3 added

BEST SESSIONS
Upgrading to 3.1: Planning (1 of 2)

- DFSMStvs priced feature is now part of base
- RMF enables z/OS Advanced Data gatherer, and enabling ADG enables zWIC
- Removed from 3.1
  - KC4Z, ISFPARMS, global mirror, JES3 and BDT
  - DOC4Z coming to replace KC4Z
- After 3.1 - DFSMS checkpoint/restart and CIM will be removed

BEST SESSIONS
Upgrading to 3.1: Planning (1 of 2)

- **Ordering a deliverable**
  - z/OS v2.5 - Ordering Sept. 17, 2021, ending Jan. 2024
  - z/OS 3.1 - Ordering starts Sept. 19, 2023
    - requires entitlement (new version but no price change) so get human involved
  - Crypto 2.5 HCR77D2 and 3.1 HCR77E0 are incorporated
- No charge orderables but require S&S paid:
  - IBM AI System Services for IBM z/OS
  - SDK for Node.js 16.0 and 18.0

BEST SESSIONS
Upgrading to 3.1: Planning (1 of 2)

- **Ordering a deliverable (continued)**
- IBM Semeru Runtime Certified Edition [Java] for z/OS V1.11
  - ===>>> z/OS 3.1 requires this Java 11 - EOM Apr2024 and EOS Nov2024
  - Java 8 still runs on z/OS 3.1 but 3.1 itself requires Java 11
    - EOM 20Jan2024 and EOS 30Sep2026
    - PFA, XML, CPM, and InfoPrint Server need Java 8 until PTFs are available
    - z/OS will move to Java V17 before end of life of 3.1

BEST SESSIONS
Upgrading to 3.1: Planning (1 of 2)

- z/OS Support policies
  - V2.4 end of service [EOS] Sept 2024 (5 years)
  - V2.5 EOS is Sept 2026
  - IBM.Coexistence.z/OS.3.1
    - Use IBM.Coexistence.z/OS.* for FIXCAT
- Target System DASD sizing
  - Target, DLIB and Fonts libraries - PDS and PDSE (about same as 2.4 and 2.5)
  - Root 4500>5600 CYLs - Extended Addressability volume is strongly recommended
- Driving System
  - z/OS 2.4 with z/OSMF active and Software Management available
  - READ access to CB.OS* and CB.ST* data set names
  - APPLY Driving System PTFs using FIXCAT IBM.DrivingSystem-RequiredService
  - Optional Package signing needs Keyring with RACF-delivered STG Code Signing Certificate Authority-G2
    - PTF signing is coming!

BEST SESSIONS
Upgrading to 3.1: Planning (1 of 2)

- Upgrade workflows
  - /usr/lpp/BCP/upgrade has Workflows for 2.4>3.1 or 2.5>3.1
- Updates to 3.1 upgrade workflow will have same FIXCAT
  - Post-GA APAR will update book links
  - "Create new based on existing" to pick up updates and continue your WF
- Reordered steps by time sequence instead of component order
  - HOLD Action PTFs are in WF, so WF determines if PTF is installed and skips steps
  - Automatically runs REPORT MISSINGFIX
  - Planning to provide as Exported 3.1 Workflow Upgrade after 3.1 book links are implemented
    - see IBM Documentation
- General z/OSMF Portable Software Instance (ServerPac)
  - https://www.IBM.com/support/z-content-solutions/serverpac-install-zosmf/

BEST SESSIONS
Upgrading to 3.1: Technical Actions (2 of 2)

- What is an upgrade action? Not exploitation, just getting current stuff running on 3.1
- Upgrade actions
  - Now, Pre-First-IPL, Post-First IPL is new order for Upgrade Workflows
  - Steps are Required, Required-IF, Recommended
  - Overview to 3.1 from 2.5 or 2.4
    - 80+ new upgrade actions
    - No new address spaces
    - SDSF cleanup: ISF.SISFLINK and SISFMIG removed from LPALST and LNKLST
    - New in 3.1: XML toolkit target, dlibs, paths
    - HealthChecks
      - 2.5 added 9 checks, 3.1 added 3 checks

BEST SESSIONS
Upgrading to 3.1: Technical Actions (2 of 2)

- Before IPL Upgrades
  - SSD-capable [System Status Detection] sysplex couple data sets are required- see upgrade HC
  - Req-IF:
    - System now uses non-executable storage for passing parameters to a program (before 3.1, parameters areas are in executable storage), that is, via PARM or PARMDD keyword on EXEC
      - DIAGxx CBATTR EXECUTABLE(JCLPARM) to override default
  - Verify default change for CHNGDUMP to OPTIMIZE=YES instead of NO
    - CHNGDUMP COMMNDxx and remove OPTIMIZE
  - ALLOCxx SYSTEM TAPELIB_PREF default is BYDEVICES instead of EQUAL

BEST SESSIONS
Upgrading to 3.1: Technical Actions (2 of 2)

- Before IPL Upgrades
  - In 3.1, ASVT recommended to move above 16M
    - DIAGxx set CBLOC VIRTUAL31(IHAASVT) because the default is 24-bit
  - In 3.1, OSPROTECT=SYSTEM but SYSTEM is different (is now level 1), fallback is MIN
    - Affects unauthorized programs, may affect system performance

BEST SESSIONS
Upgrading to 3.1: Technical Actions (2 of 2)

- Before IPL Upgrades
  - JES2:
    - Now: Req-IF
      - Enforce job resource limits for Track-groups (TG) and Job Output Elements (JOE) - action is JOB in WAIT except for privileged jobs are not subject to limits
      - JOBCLASS LIMIT and ACTION values can be changed - Leave on by default but can be changed or bypassed
    - Now: Req-IF z22 by z/OS 2.5
      - OUTCLASS BLNKTRC=YES/NO are no longer supported

BEST SESSIONS
JES2 Product Updates

By Tom Wasik, IBM JES Architect

- JES2 3.1 Enforces Limits on TGs [Track Groups] and JOEs [Job Output Entries]
  - Environment for each option
    - If small "job", that is, TG<10K or JOE<600
      - then wait any job using more than 75%
    - If Large "job", that is, TG>10K or JOE>600
      - then wait job using more than 25%
    - Default is Wait
  - Any job will be waited
  - Control via JOBCLASS or Policy or Exit

BEST SESSIONS
JES2 Product Update

- Job Resource Groups
  - Resource use recorded for the Group
    - $ADD RESGROUP…
  - Future ACTIONs are on the way
  - Input processing re-ordered so TG and JOE is determined after exit 2/52 and Input Policy are executed

BEST SESSIONS
JES2 Product Update

Policy updates

- **Policies** were introduced in JES2 V2R4 to reduce or replace JES2 Exits
  - **New V3R1 policies not being rolled back to earlier JES2 releases**
  - **JobInput** Policy applies at end of input phase Right before exits 20/50 are called
  - **JobCreate** applies very early in life of JOB after JCL scan and before job resources are created
  - **Variables**
    - policyVersion2 is Required
    - Can be passed between policies, extract system symbols and JES symbols
    - name, type, scope
    - scope can be local or instance
    - Action, variable, value to assign a value to a variable
    - Variable can be prefixed by **$** to make unique

BEST SESSIONS
JES2 Product Update

Policy updates
- **Built-in functions**
  - JESSymbol(symbol-name) to get info from JES2 symbols
    - Can be used by JOBInput policy
  - SysSymbolSub(string) to allow use of System Symbols
  - FailJob(option) determines how job should fail
    - Use in JobInput and JobCreate type policies
- **New JOB attributes that can be queried**
  - See JES2 Installation Exits book

BEST SESSIONS
JES2 Product Update

- Restricting JES Cancel Job ($C command)
  - JESCANCEL=ALLOWED|RESTRICTED
    - Set at job level or JOBCLASS
- Symbols in NOTIFY Email subject Line
- Archive ICSF Key Label Support
- ASCB in 31-bit Storage
  - ATTR=ASCBV31
- 3.1 Upgrade and Coexistence considerations
  - Compatibility APAR OA65252 to tolerate new function and recommended for fallback to 2.4 and 2.5

SESSIONS OF INTEREST

See Notes on [SPARTA Website](#)

- **Mainframe Penetration Testing**

  - By Mark Wilson

- What is Pentest?

  - Security test with permission

  - Use bad guy techniques

- MW says he has never failed to elevate his privileges

- Data Gathering and Footprinting

- Test: Using a non-privilege userid to try to elevate your privilege

- Results: Elevate privileges or exfiltrate and steal data

SESSIONS OF INTEREST

See Notes on [SPARTA Website](#)

- **Have You Heard of A.I. Foundation Models?**
  - By Elpida Tzortzatos of IBM
- What is Generative AI (GenAI)?
- What are Foundation Models and why are they important?
- What does it enable you to do?
- How does it intersect with Z?
- What use cases take advantage of Foundation Models?

SESSIONS OF INTEREST

See Notes on [SPARTA Website](#)

- **Managing your z/OS Environment Using System Services**

  - By Hiren Shah of IBM

- z/OS Management Services Catalog (zMSC)

  - Not a Service! A z/OSMF plug-in

  - Manage Complexity and Skills Transfer and reduce Errors

  - Services are based on z/OSMF Workflows

SESSIONS OF INTEREST

See Notes on [SPARTA Website](#)

- **Maximize Your z/OS Support Experience**
  - By John Shebey and Laura Sperling of IBM
- Initial Problem description
  - What are the symptoms? Which z/OS release? Which release of associated products?
  - Use Problem Diagnostic Worksheet?
    - [IBM.com/docs/en/zos/2.5.0?topic=material-problem-diagnostic-worksheet](#)

SESSIONS OF INTEREST

See Notes on [SPARTA Website](#)

- **New z/OS Unix File Systems**
  - By Kershaw Mehta of IBM
- Data Set File System (G.A. 2.5 and 3.1)
  - Unique to z/OS
  - Union File System (G.A. 2.5 and 3.1)
    - Unix/Linux - logical filesystem on top of other filesystems
  - Proc File System (coming PTF on 2.5 and 3.1 in 4Q2023)
    - Unix/Linux
    - Virtual filesystem in UNIX-like OSes that presents info about processes and other system info in a hierarchical file-like structure

SESSIONS OF INTEREST

See Notes on [SPARTA Website](#)

- Mainframe, Movies and Me
  - By Joe Winchester of IBM
- Movies with mainframe references [that are mostly funny or wrong]
  - Independence Day
  - Hackers
  - Castle (TV series)
  - NCIS (TV series)
  - War Games 1983
- "Desktops and server computers are puny mammals to be trodden underfoot"
- Most entertaining Session of the conference

STATUS OF SHARE

- **SHARE 2023 New Orleans highlighted 2 Changes:**
  - **SHARE Individual Membership (New in 2023!)**
    - $199 starting January 2024
    - Affiliate Membership at $99 may still be available
  - **SHARE Changes for Program and Projects**
    - They are now called Focus Areas and Tracks
    - Some ongoing impact at Future SHAREs

STATUS OF SHARE

- SHARE 2024 Orlando will be a full four-day conference March 3-7, possibly at Rosen Centre on International Drive.
  - [Call for Presentations](#) Ended on October 1, 2023
  - Registration opens in late fall 2023
- SHARE 2024 Kansas City will be August 4-8 in Kansas City, MO
- Visit SHARE's [Event Calendar](#) for more details soon.

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SHARE

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Online forums, a member directory and volunteer opportunities are but a few of the channels available for SHARE members to connect with peers and industry experts.

VOLUNTEER

- About SHARE Volunteers
- Open Volunteer Positions
- Volunteer Recognition

MEMBERSHIP

- Benefits
- Join Now
- Member Directory
- User Profile

COMMUNITIES

RECOGNITION

- Awards
- In Memoriam

SHARE PROGRAMS

- Application Architecture Development Integration Program
- Enterprise Data Center Program
- Enterprise-wide Program
- Information Management Program
- Linux and VM Program
- MVS Program
- Women in IT
- zNextGen

ADVOCACY & REQUIREMENTS SYSTEM

SHARE

HOME COMMUNITIES ▾ RESOURCES ▾

search

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
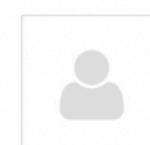
zSecure Error trying to run Reports in Batch - File ...

By: **David Astemborski** , 25 days ago

Posted in: **Security and Compliance (SEC) Open Community**

Upcoming Events

SHARE Columbus 2022

Aug 21, 08:00 - 17:00 (CT)

BEST SESSIONS
Digital Signatures for z/OS Software Packages

By Kurt Quackenbush, IBM z/OSMF Software Management and SMP/E

- Digital Signature support already delivered in recent PTFs
- SMP/E GIMZIP creates portable packages of ready to install SMP/E consumables, or already installed software.
- Extended GIMZIP to digitally sign packages
- SMP/E and z/OSMF are extended to verify packages signatures
- Signature is hashed data that is then encrypted with public/private key
- Digital certificate is certified by trusted authority and contains identity info and the public key

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- In the GIMZIP package is a new file GIMPAF2.XML
- SMP/E does not require signature verification for a signed GIMZIP package (yet)
- Providers can start signing packages whether or not consumers are verifying the signature
- Signing certificate comes with GIMZIP package from provider
- SMP/E verification uses Java services
- RACF provides the IBM CA Root "STG Code Signing CA-G2" automatically
  - But marked Not Trusted
- READ Access to LISTRING Profile in FACILITY Class is good enough, but a provider may need RDATALIB Class active

QUESTIONS?

- Next SHARE is in Orlando, Florida on March 3-7, 2024