SHARE 2024 ORLANDO

March 3-7, 2024

By Ed Webb

AGENDA

- Why Go to SHARE?

- Quotes of Interest

- Odds and Ends

- Best Sessions

- Other Sessions of Interest

- SHARE Status

Cover: Cinderella's Castle at Walt Disney World in Florida (Personal by Ed Webb)
Here: Cartwheel Galaxy from James Webb Space Telescope
Courtesy of NASA
Last slide: Disney's Tron ride at Walt Disney World in Florida (Disney Photopass)

WHY GO TO SHARE?

- Mainframe Skills Council - customers and vendors and IBM
  - https://newsroom.ibm.com/IBM-Mainframe-Skills
  - Mainframe Skills Council - IBM, SHARE, other key organizations
- ibm.biz/aprvirtualfair IBM Z Career Fair (online) April 11, 2024
- z/OS 3.1 Announcement Review and Upgrade Planning
- Late-breaking z/OS 3.1 News - 1Q2024 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

- SHARE Emeritus Membership eliminates Membership Cost

  - Dramatically Reduces Registration expenses

- Walt Disney World!

SHARE 2024 ORLANDO
5 Days In-Person and Some Recordings!

- Four Days Full of Content with some sessions recorded
- SHARE Tech Exchange Monday and Tuesday evenings with food
- SHARE Tech Exchange Wednesday lunch with food
- Lunch (free) at Learn Sessions on Monday and Thursday
- Broadcom-sponsored Lunch (free) on Tuesday
- Recorded sessions are available soon (Ends July 31, 2024)
  - 45-50 minute sessions - video and audio with handouts in most cases
- SHARE Partners with dedicated sessions on Tuesday

QUOTES OF INTEREST

- Justin Wren, former mixed martial arts player, as SHARE keynote
  - https://www.fightfortheforgotten.org Fight for the Forgotten

- "If you want to go fast, go alone. If you want to go far, go together"
  - Swahili proverb

- "If you think you are too small to make a difference, try sleeping in a closed room with a mosquito"

QUOTES OF INTEREST

- Cheryl Watson at Core Tech z/OS Track Welcome

- "Share your SHARE experience, session reports"

- "Don't say no to any new skills"

- "Travel as much of the world as you can to understand world and people"
  - "Governments are crap but people are great"

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

SHARE

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SHARE ORLANDO 2024

- Schedule-at-a-Glance
- Technical Agenda
- Focus Areas

SHARE KANSAS CITY 2024

- Call for Presentations

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search

ispf   🔍

Number of search result: **202**

FILTER BY:

ISPF Hints, Tips, and Recent Improvements

BEST SESSIONS
Core Tech z/OS Track Welcome

By Art Gutowski of Huntington Bank and others

- Core Tech Track includes z/OS Systems programming, hardware, storage, communication server

- https://www.ibm.com/cloud/wazi-as-a-service

- Critical z/OS Service APARs by John Shebey of IBM

BEST SESSIONS
Core Tech z/OS Track Welcome

Cheryl Watson Keynote and Farewell

- Math and physics degrees

- IBM 1620 1964 first computer she worked on

- IBM 1401 1965 Wrote a payroll system for 4K hardware in Autocoder

- IBM 360 1966 COBOL and Assembler

- 1976 First SHARE when she was at EDS, built a 3-ring binder of session handouts with tabbed sections

- 1985 First IBM PC

- 1986 met Tom Walker

- 1987 Barry Merrill brought MXG to SHARE; MXG was from SAS and he bought it from SAS

- 1991 Cheryl Watson's Tuning Letter

- 1995 WLM QuickStart Policy

BEST SESSIONS
Core Tech z/OS Track Welcome

Cheryl Watson Keynote and Farewell

- 1998 Cheryl's Hot Flashes session started at SHARE

- 2014 Frank Kyne joined W&W from IBM Redbooks

- 2015 GSE in Boblingen, Germany

- 2019 Frank Kyne became President of W&W

- 2023 CW rotator cup damaged, reverse shoulder replacement surgery

  - Deep brain stimulator to control tremors

  - 2 months in Morocco and Spain

  - Decided to retire and enjoy life

  - CW is currently 79 in 2024

BEST SESSIONS
Core Tech z/OS Track Welcome

Cheryl Watson Keynote and Farewell

- Future of the mainframe

  - More attention to young people

  - Different vocabulary

  - Fewer nuts and bolts (I.e. parameters)

  - Controlled (managed) AI

  - Higher effort on security

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

By Dave Surmon, Steve Warren, Marna Walle 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 requires Semeru [Java] 11, Java 8 still works on 3.1
  - Semeru 17 Available and will be Required during life of z/OS 3.1 (Nov. 2024)
  - 25 years of Java on z/OS Anniversary
- 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 Sunshine Edition

- z/OS Software Package Signing (CD)
  - IBM Portable Software Instances being signed with intro of 3.1 (optional use)
  - Exploitable by ISVs such as Broadcom
- Python AI Toolkit for IBM z/OS 1.1
  - Free and paid versions
- AI Toolkit for IBM Z and LinuxOne
  - Free and paid versions

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
    - Machine Learning 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 Semeru 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
    - UNIX file backup and restore including EXCLUDE
  - DFdfp Catalog enhancements, exits, reporting
  - DFrmm Tape Management z/OSMF plug-in
  - 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 affect TSO and FTP
  - z/OS Authorized Code Scanner and Monitor priced feature
    - z/OS Authorized Code 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
IBM z/OS Container Platform

by Kershaw Mehta of IBM

- Open Container Initiative for container runtime and Kubernetes orchestration technology
- Container
  - Standard unit of software that packages app code and all required dependencies
  - Uses 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
IBM z/OS Container Platform

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

- z/OS Container Platform is (OCI-compliant) native on z/OS
- z/OS Container Platform Is New
  - Announced March 5, 2024 at SHARE
  - App, config, monitoring agent, software libraries
  - Enable sysprogs to create templates (images) for consumption by developers in a regulated manner

BEST SESSIONS
IBM z/OS Container Platform

- Open source tech is used to implement containers on z/OS
  - OCI-compliant, 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
IBM z/OS Container Platform

- z/OS Container Platform Rollout
  - z/OS Unix applications - z/OS Connect, Java, Node.js, Python
  - z/OS Connect will probably be the first z/OS containerized application
  - Traditional middleware apps - CICS, IMS, Db2
- z/OS Container Platform GA - March 15, 2024
  - Kubernetes and other parts will be delivered later
  - Order with z/OS 2.5 and 3.1 at no charge (S&S charges may apply)
  - Installed via 35 PTFs - FIXCAT(IBM.z/OS.ContainerPlatform)
  - Pull container images from IBM Secure Registry

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

By Marna Walle and Aaron Kippins 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
  - DFSMStvs priced feature is now part of base
  - RMF enables z/OS Advanced Data gatherer and ADG enables zWIC

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

- **Ordering a deliverable**
  - z/OS 3.1 - Ordering started 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 (20.0 not yet supported by Zowe)

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 Semeru 11 - EOM Apr2024 and EOS Nov2024
  - ===>>> z/OS 3.1 Now Requires Semeru 17
- You can Port SMS to non-SMS during PSI install

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

- z/OS Support policies

  - 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 or z/OS 2.5 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

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
  - "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 if PTF is installed WF skips steps
  - Automatically runs REPORT MISSINGFIX
- General z/OSMF Portable Software Instance (ServerPac)
  - https://www.IBM.com/support/z-content-solutions/serverpac-install-zosmf/

Upgrading to z/OS V3.1: Planning Summary

- **Changing content of z/OS 3.1**
  - New z/OS content: XML Toolkit, Change Tracker, DFSMStvs is included in the base
  - Removed in z/OS V2.5: HFS
  - Removed in z/OS 3.1: JES3, ISFPARMS, Alternate Base, CommServer Security L3, …
- **Timeline of z/OS ordering and deliverables** associated products to consider
- **z/OS Policies**
  - Three consecutive releases (V2.4 → 3.1) for coexistence, upgrade, fallback.
- **Ensuring System Requirements are Satisfied**
  - Driving, Target SW, Target HW, and Coexisting System Requirements
    - z/OS 3.1 requires z14 or later
    - Memory requirements: 8 GB "native", or 2 GB zPDT or under zVM of memory
    - Target system requirements: general Java SDK 11 functional requirement.
    - Use FIXCATs `IBM.TargetSystem-RequiredService.z/OS.3.1,`
      `IBM.Coexistence.z/OS.3.1, IBM.Function.HealthChecker,`
      `IBM.TargetSystem-RequiredService.Semeru.* …`
- **Use IBM Health Checker for Upgrade Actions:** Install and activate checks
- **Use z/OSMF Workflow for z/OS 3,1 Upgrade:** Goodbye, book!
- **z/OSMF is the ServerPac driving system as of July 10, 2022!**
  - This includes all ServerPacs, including middleware.

Attend Upgrading to z/OS 3.1: Part 2 Technical Actions for an overview of the upgrade actions!

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

"Big Migs" occurring on V2.5

Upgrade actions at V2.5 you should not overlook:

1. z/OSMF ServerPac driving system requirement.

2. HFS removal

3. Use only SAF-based security to protect SDSF functions

4. Activate JES2 z22 mode

5. Perform updates for RMF structural changes

Plus...

Upgrade actions at 3.1 you should not overlook:

1. IBM JES3 removal

2. Use dynamic statements for SDSF configuration, not assembler macros.

3. Sysplex couple data sets are System Status Detection (SSD) capable

4. OpenSSH new ported level, 8.4p1

5. z/OSMF Workflow definition files for undeclared referenced entities, before 3.1 IPL.

6. zCX Workflow instances should be completed, before 3.1 IPL.

BEST SESSIONS
z/OS 3.1 User Experience

By Ed Jaffe of Phoenix Software International
- z/OS RFA **223-012 Announcement**
- SPEs have new name: Continuous Delivery
  - 778 SPEs in 106 weeks from 2.5 GA thru Oct. 17, 2023
  - Now 7.34 SPEs per week
- OA62568 DAE EXPIRE(60|n) consider changing to 1 [day]
- z/OSMF Security Configuration Assistant (SCA)
  - Review & Fix
  - Security Definition File (SDF)

BEST SESSIONS
z/OS 3.1 User Experience

- Management Services Catalog (MSC) - a z/OSMF Plug-in
  - Lots of services available
  - Swagger (built-in How to Use tool) is very helpful
  - Get Service Submission details
    - Just get dumped output, not very helpful
    - JSON object is what you want
- Ed Jaffe likes MSC!

BEST SESSIONS
Avoiding z/OSMF Pitfalls: Common Problems 3.1 Update

- by Ken Irwin and Trevor Geisler of IBM

- PH56207 PARMLIB Management plug-in
- Use Security Configuration Assistant
- SMF REST Services
  - Heavyweight interface
  - If installed on Primary z/OSMF, all other REST services disabled
  - Run SMF REST Services on separate z/OSMF server instance (another ANGEL service not required)

BEST SESSIONS
Avoiding z/OSMF Pitfalls: Common Problems 3.1 Update

- Java and Liberty on 3.1
- Semeru 11 (11.0.19.1) 64-bit implementation
  - **https://www.ibm.com/support/pages/node/6208335**
- Liberty 23.0.0.3
- Java/Semeru SYMLINK a cautionary tale
  - z/OSMF sets JAVA_HOME in PARMLIB IZUPRM00
    - JAVA_HOME('usr/lpp/java/J11.0_64")
  - See Java APAR IJ49451 fixes current_64 link (11.0.22 build UI95683)
  - Use z/OSMF Symlink

BEST SESSIONS
Avoiding z/OSMF Pitfalls: Common Problems 3.1 Update

- TLS V1.3
  - z/OSMF 3.1 default IZU_SSL_PROTOCOL=TLS
    - Actually protocols TLS 1.2 and 1.3, not from earlier 1.0 or 1.1
    - could be set explicitly to TLS1.3 but does your network have TLS 1.3 in use?
- RSA Hardware key usage
  - Affects TLS1.3 and 1.2
  - Semeru 11 and 17 requires RSASSA-PSS for IBMJCECCA provider (like z/OSMF)
    - Enforced at 11.0.19.0 and 17.0.7.0
  - Java 8 running on z/OS 3.1
    - 8.0.8.5
  - **https://www.ibm.com/support/pages/node/7028845**

BEST SESSIONS
Avoiding z/OSMF Pitfalls: Common Problems 3.1 Update

- Open a Case
  - Determine team by URL
  - /zosmf/restfiles… z/OSMF REST team
  - /zosmf/restjobs… z/OSMF JES team
  - /zosmf/tsoapp….TSO team

BEST SESSIONS
Customizing z/OSMF Using Plug-ins

By Jerry Spencer of DTS Software LLC
- Download IBM Sample plug-in
  - From GitHub, download TSO Backend and others
  - extract all
- Install IBM sample plug-in
  - Steps described - follow them carefully!
- Overcome personal issues
  - failed to download as binary
  - "Any sufficiently advanced technology is indistinguishable from magic" - Arthur C. Clarke
  - "Get all down in it if you want to understand it" - Williams

BEST SESSIONS
Customizing z/OSMF Using Plug-ins

- Understand IBM sample plug-in
  - Sample was written in Angular
  - "Learn Angular in 5 minutes"
  - Took more angular courses at Unity
  - Review var… files for application source
  - made minor changes then did build [analogous to compile]
  - Upload files as Binary

BEST SESSIONS
Customizing z/OSMF Using Plug-ins

• Create your own plug-in
  • Tweaked IBM's plug-in to create new application
    • Provide a DTS software interface for z/OSMF that mimics ISPF software
  • Update properties
  • Work-in-progress
• Wrap up
  • why not workflows instead of plug-ins?
  • Retrieved example plug-in, installed and understood it, cloned it to make our own plug-in
  • Introduced Angular learning
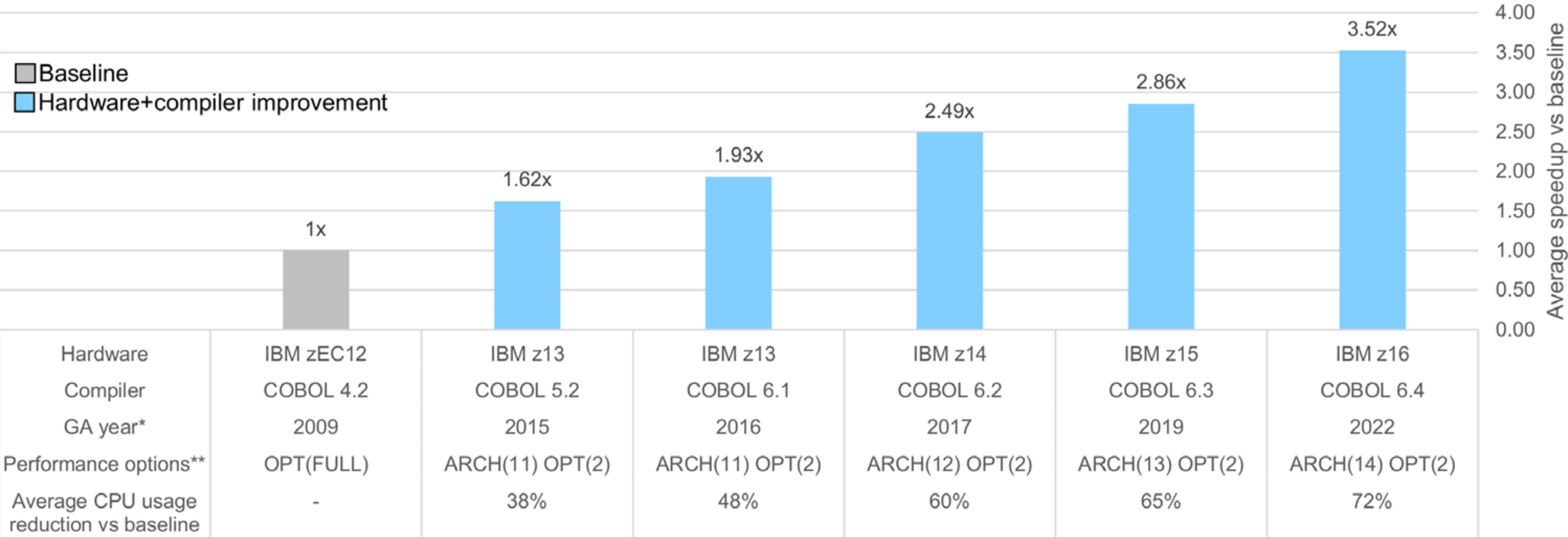 • Have rudimentary plug-in

BEST SESSIONS
Cheryl and Her "Boy's" Lukewarm Flashes

By Mario Bezzi and Frank Kyne of Watson and Walker
- z/OS Cloud Data Access (CDA)
  - z/OS application does not know where data came from and stored
  - GDKUTIL to move data between Z and Cloud
- zPCR and Modeling
  - Virtual Low CPs and zIIPs
  - Too many means high overhead to manage VL CPs and zIIPs
  - Avoid VL CP and zIIPs

Evolution of COBOL compiler

History of Enterprise COBOL Performance
for compute intensive and I/O bound COBOL applications

Legend:
- ☐ Baseline
- ☐ Hardware+compiler improvement

Chart values (Average speedup vs baseline):
- 1x
- 1.62x
- 1.93x
- 2.49x
- 2.86x
- 3.52x

Hardware	IBM zEC12	IBM z13	IBM z13	IBM z14	IBM z15	IBM z16
Compiler	COBOL 4.2	COBOL 5.2	COBOL 6.1	COBOL 6.2	COBOL 6.3	COBOL 6.4
GA year*	2009	2015	2016	2017	2019	2022
Performance options**	OPT(FULL)	ARCH(11) OPT(2)	ARCH(11) OPT(2)	ARCH(12) OPT(2)	ARCH(13) OPT(2)	ARCH(14) OPT(2)
Average CPU usage reduction vs baseline	-	38%	48%	60%	65%	72%

3.52x speedup from hardware and compiler improvements
Enterprise COBOL 4.2 on IBM zEC12 → Enterprise COBOL 6.4 on IBM z16
based on internal benchmarks for compute intensive and I/O bound COBOL applications

* Compiler GA year. Compiler releases generally align with hardware releases.
** Recommended performance options for the respective hardware

Performance results for customer applications will vary, depending on the source code, the compiler options specified, and other factors. Find the full disclaimer here.
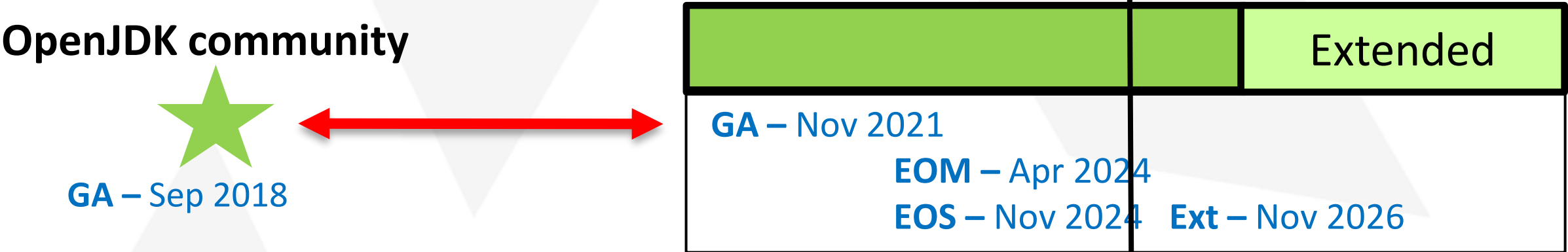
6

COBOL 6.4 What's New - Session 10313 - Tom Ross

4

Java on z/OS release lifecycle

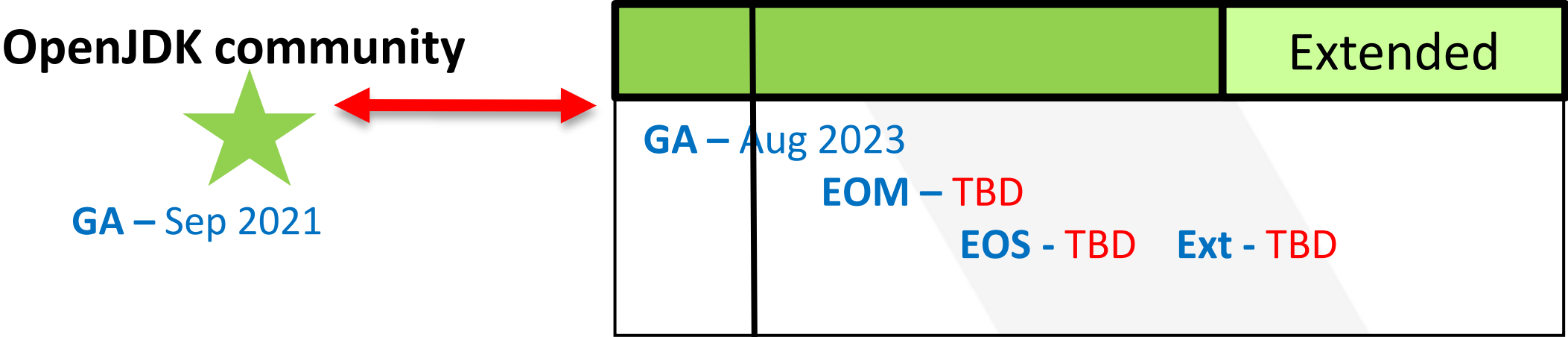2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031+

Java 8 (Enhanced 5+3)

Extended

GA – Jul 2015   **EOM** – Jan 2024   **EOS** – Sep 2026   **Ext** – Sep 2029

Semeru 11 (Standard 3+2)

OpenJDK community

Extended

GA – Sep 2018

GA – Nov 2021
EOM – Apr 2024
EOS – Nov 2024   **Ext** – Nov 2026

Supporting Java 17 on z/OS:

Semeru 17 (Standard 3+2)

*Note: Oracle reduced Java release cycle
from every 3 to 2 years*

OpenJDK community

Extended

GA – Sep 2021

GA – Aug 2023
EOM – TBD
EOS - TBD   **Ext** - TBD

WebSphere Liberty

IBM CICS   IBM DB2   IBM MQ

Semeru 21 (Standard 3+2)

OpenJDK community

GA – Sep 2023

Statement of general direction (SOD link)
*Continuing the commitment to Java for IBM Z, IBM intends
to deliver a subsequent IBM Semeru Runtime Certified
Edition for z/OS compatible with the next Long Term
Supported release of Java, currently designated to be Java
Standard Edition 21.*

Explore the latest within the Java ecosystem on IBM Z - Session 10318 - James Tang

The industry's shortest giant….

And now, a word from the person you all REALLY came to see….

49

BEST SESSIONS
Bit Bucket x'43'

By Mike Shorkend, Lionel Dyck, Henri Kuiper, Ed Jaffe
- SHARE Requirements - Please
  - Share.org>Connect>Advocacy and Requirements
- DSFS (data set file system)
  - ISPF interface for DSADM command for DSFS
  - **github.com/lbdyck/dsfsadm**
- What better for reading dataset in Python? ZOAUTIL or DSFS
  - DSFS is 53% faster than ZOAUTIL

BEST SESSIONS
Bit Bucket x'43'

Bob Shannon (1948-2023) - SHARE Icon and Co-Founder of Bit Bucket

- By Ed Jaffe
- SHARE volunteer history lost, deleted
  - Aron Eisenpress had old paper SHARE Interactions that helped reclaim Bob's SHARE history
- Founded SHARE Hands-on-Lab and led to SHARE LPAR at IBM POK
- Changed MVS Tech Steering to Singing and Drinking Society, now IBM Closed…

SESSIONS OF INTEREST
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

SESSIONS OF INTEREST
What's New for z/OSMF 3.1

Don't Despair, There is help for z/OSMF

- [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

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 Kansas City [Mo] will be a full four-day conference August 4-8
  - Call for Presentations Ends on Sunday, April 7, 2024
  - Registration opens in a few weeks
- Visit SHARE's Event Calendar for more details soon.

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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
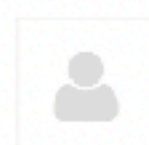- Women in IT
- zNextGen

ADVOCACY & REQUIREMENTS SYSTEM

SHARE

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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

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)

QUESTIONS?

Next SHARE is in Kansas City, Missouri on August 4-8, 2024