SHARE 2025 WASHINGTON, D.C.

February 23-27, 2025
By Ed Webb

AGENDA

- Why Go to SHARE?

- Odds and Ends

- Best Sessions

- Sessions of Interest

- SHARE Status

Cover: M104 Sombero Galaxy from the James Webb Space Telescope (Courtesy of NASA)
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
- ~~z/OS 3.2 Announcement Review and Upgrade Planning~~
- Late-breaking z/OS 3.1 News - 4Q2024 Continuous Delivery Functions
- Networking with peers and IBM developers and executives

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 SHARE Registration expenses

SHARE 2025 D.C.
5 Days In-Person!

- Four Days Full of Content
- SHARE Opening Reception Sunday evening with food
- SHARE Tech Exchange Monday and Tuesday evenings with food
- SHARE Tech Exchange Wednesday lunch with food
- Lunch (free) and Learn Sessions on Monday and Thursday
- Broadcom-sponsored Lunch (free) on Tuesday
- SHARE Partners with dedicated sessions on Tuesday

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 2025 D.C.

- Held at Gaylord National Harbor Resort, National Harbor, Maryland

- Technical Agenda https://www.share.org/Events/SHARE-Washington-2025/Technical-Agenda

- Presentations are currently only available via the SHARE app on your mobile device

  - Members can access Washington proceedings whenever that's built

  - https://www.share.org/Events/Past-Events/Proceedings

  - search for SHARE DC 2025 ???

EDUCATE
The latest lessons and news from developers, industry experts and fellow users.

NETWORK
Make lasting professional connections that provide answers and value year-round.

INFLUENCE
Help improve future product releases faster by joining forces with other SHARE members.

SHARE® is an independent volunteer-run information technology association that provides education, professional networking and industry influence for the enterprise IT community.

Learn more.

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

ABOUT SHARE EVENTS

- Event Calendar
- Partner Opportunities

PAST EVENTS

- Proceedings

SHARE CLEVELAND

- Registration
- Hotel and Travel
- Exhibit and Sponsor
- Call for Proposals

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To filter for sessions presented at SHARE events in 2022 and earlier by topic, please use the categories in the 'Programs/Projects (through 2022)' filter options. To filter for sessions by topic for sessions in 2023 and beyond, please use the 'Focus Area/Tracks' filter options. If you select filters from both sets of filter lists, you will not receive any results.

events

PROCEEDINGS FILE LIBRARY

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search

ispf Q

Number of search result: **202**

FILTER BY:

ISPF Hints, Tips, and Recent Improvements

BEST SESSIONS
z/OS and Stack Products Upgrading and Installation

By Marna Walle of IBM

- To install z/OS, Customers must use a z/OS Upgrade Workflow and a z/OSMF Portable Software Instance
  - No upgrade book to install software
- Goals
  - Use the right tools to simplify process
  - Know how to position your software instance
  - Marna's Musings Blog entry "[Surfing the Flows](#)"
    - How to Use z/OS Upgrade Workflow and the Software Management Portable Software Instance (PSI) Workflows

BEST SESSIONS
z/OS and Stack Products Upgrading and Installation

- **List of interactive activities related to installing z/OS stack software**
- Shopz
  - Customer Defines Contents of package
  - IBM Builds into a Portable Software Instance
- z/OSMF Software Management does
  - Install the PSI
  - Checks End of Service
- z/OSMF Software Update
  - Install PTFs onto SMPE-managed products
- z/OSMF Workflow
  - Guided interface to step through provided definitions to perform some task
  - Many purposes: z/OS and Db2 upgrade, configuring zCX, customizing and verifying your z/OSMF PSI, …

BEST SESSIONS
z/OS and Stack Products Upgrading and Installation

Order of recommended usage of these activities

- z/OS 3.1 Upgrade Workflow on existing system (say 2.5)

  - Provided by PTFs on earlier (pre-z/OS 3.1) systems

  - Workflow located in /usr/lpp/bcp/upgrade

  - Move In and out of this Upgrade workflow for pre-install, pre-IPL, post-install

BEST SESSIONS
z/OS and Stack Products Upgrading and Installation

Order of recommended usage of these activities

- [Shopz](#)

  - Order z/OS release 3.1

  - Use current SMP/E inventory to start the order

- FYI Definition: Product ServerPac (any order without z/OS)

- If not licensed for some part of your order, have to go through IBM Techline for purchase and licensing

  - If zero cost license and S&S, then the Techline goes fast

BEST SESSIONS
z/OS and Stack Products Upgrading and Installation

Order of recommended usage of these activities

- Just an Aside:

- [ZOS-I-2828 IBM User Idea](#) (requirement) to install small product PSI into existing z/OS PSI

  - In the meantime, use separate Target Zones within same Global Zone (see Objectives in deploy)

  - IFREQs can be an issue

BEST SESSIONS
z/OS and Stack Products Upgrading and Installation

Order of recommended usage of these activities

- z/OSMF Software Management
  - Deploy PSI into your environment
  - Automatic cross-zone checking using FIXCATs (see Marna's Musings blog entry)
  - Can be used to add new targets if needed
  - Workflows for your order and post-deploy
    - YOURORDER
    - POSTDEPLOY
      - Workhorse of post-install process

BEST SESSIONS
z/OS and Stack Products Upgrading and Installation

Order of recommended usage of these activities

- POSTDEPLOY
  - Do NOT Skip these steps:
    - Step 1 Collect config options
      - Create new or use existing operational data sets
    - Step 17? Update default data set names
    - Step 18? Mount file systems and create BPXPRMFS member
    - Step 40? IPL manually
    - Step 41? Save variables to a property file for VERIFY and for z/OS Next
      - (like earlier ServerPac SAVE CONFIG function)
      - HLQ.software_instance_name.PROPVAR.date or similar standard name
  - Avoid "hand editing" the generated Software Management jobs

BEST SESSIONS
z/OS and Stack Products Upgrading and Installation

Order of recommended usage of these activities

- Resume the z/OS Upgrade Workflow

  - Before first IPL steps

- IPL

- Resume the Upgrade Workflow

  - After first IPL steps

  - Post-deploy steps

- Resume Software Management Workflow

  - Optionally VERIFY

  - Save Software Instance

BEST SESSIONS
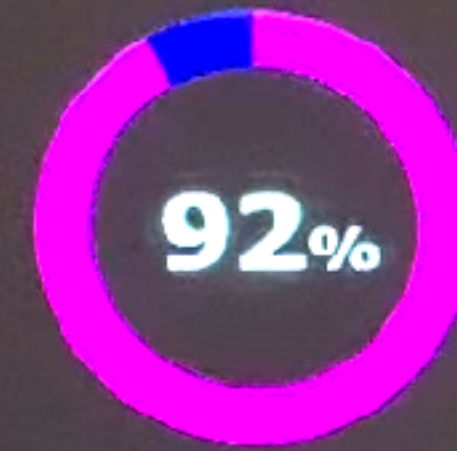## SHARE Opening Session and Keynote

Rocket Software

- Mainframes are efficient contributors to worldwide IT
- 71% cyber incidents involve use of stolen or compromised credentials
  - ESMs (External Security Models? (RACF/ACF2/Top Secret) are not enough
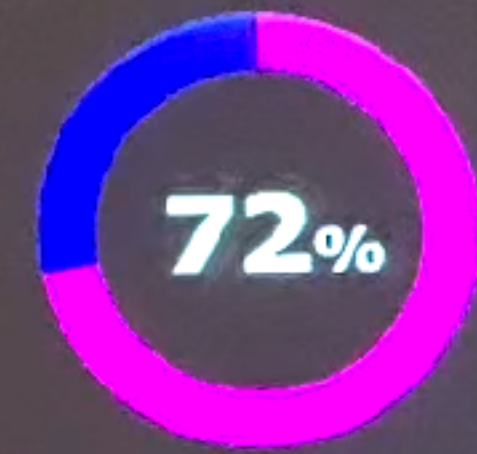
800 Billion Lines of COBOL

8x more lines of COBOL than stars in our galaxy
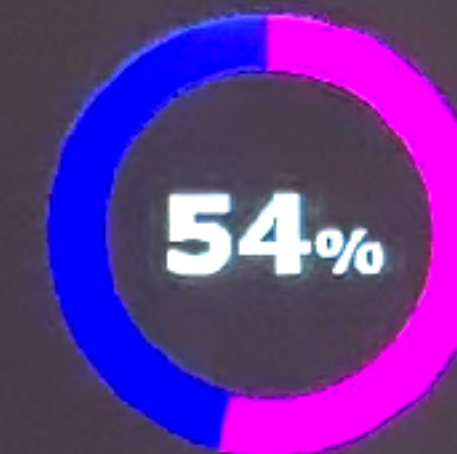
Get some relative comparisons of code bases here:
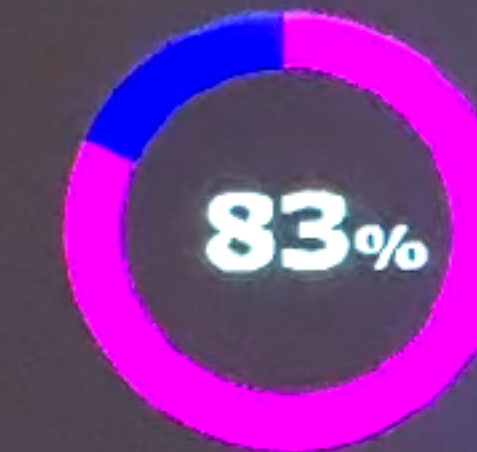informationisbeautiful.net/visualizations/million-lines-of-code
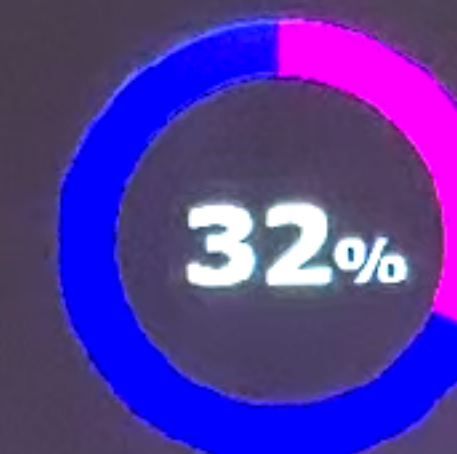
92%
COBOL apps are strategic

72%
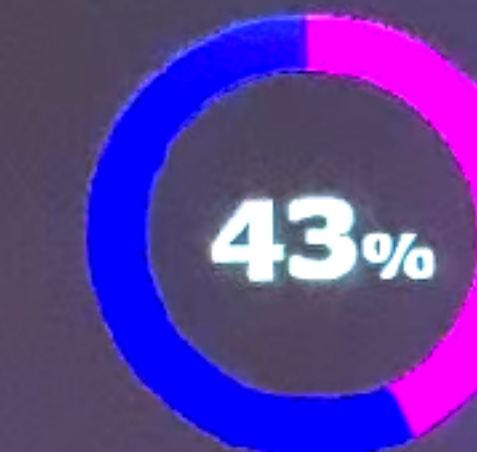Prefer modernization as a business strategy

54%
COBOL use will increase in next 12 months

83%
COBOL will survive this generation and give endless opportunities to the next

32%
Digital is a driver for COBOL modernization

43%
Of COBOL apps now support cloud

BEST SESSIONS
SHARE Opening Session and Keynote

The Future of Work by Tom Koulopoulos

- https://tkspeaks.com and LinkedIn.com/in/tkspeaks

- Smart phones changed behavior

- Era that began with the dawn of human intelligence will soon be over

- AI hard part is predicting future

- Each decade use of computers has gone up from 1000 in 1960 to 10,000,000,000 today

  - By 2100, 1×10^{21} more computers than grains of sand on the planet

  - iPhone 16 is 400m Eniacs of 1960??

- Data center energy use is growing exponentially

BEST SESSIONS
SHARE Opening Session and Keynote

The Future of Work by Tom Koulopoulos

- What will future look at?
  - Building tools to help us predict the future - maybe building a species
  - Value Axis change - example iPhone disruption
  - AI automation versus Autonomy/Agency (agentic AI) will explode in next 24 months
    - Agentic AI intelligent automation - digital workers
    - Artificial super intelligence ASI
- Ownership>Product-Experience>Strategy
  - Digital ecosystem, economies of scope, risk is distributed

BEST SESSIONS
SHARE Opening Session and Keynote

The Future of Work by Tom Koulopoulos

- Challenge of Trust
  - Next 5 years we will not believe anything that we see hear or write or see
  - visit [HeyGen interactive](#) for video chat
- By 2050 10x fewer vehicles because of autonomous vehicles
- Embrace AI as a collaborator

BEST SESSIONS
Core Tech z/OS Track Welcome

- Critical z/OS Service by John Shebey of IBM
  - Red Alert
    - new DNS hostnames and IP addresses for IBM Support
    - Switch by 10Mar2025 (this coming Monday)
- IBM Support Recommendations
  - Subscribe to Red Alerts
  - Use enhanced HOLDDATA
  - Use IBM Z Security Portal to get HOLDDATA for security APARs

BEST SESSIONS
Core Tech z/OS Track Welcome

z/OS Futures - z/OS Next and ecosystem
by John Petreshock, z/OS principal product manager

- Fuel innovation and growth, transforming and automating of efficiency (more efforts around simplification), and securing the most important data

- z/OS V3 has start of AI, …

  - Support for Telum II & Spyre new chips in new Z hardware

  - Infusing AI throughout stack over time

  - z/OS 3.1 AI has Explainability, Cloud Data Access, EZnoSQL

  - zCX 2.0 removed CHF requirement last week - 18Feb2025

BEST SESSIONS
Core Tech z/OS Track Welcome

z/OS Futures - z/OS Next and ecosystem

- AI-infused z/OS

  - Key AI infrastructure and tool support

  - AI-driven guidance, recommendations and productivity

  - AI model decisions explainability

  - automation Armed with Intelligence

- z/OS Management

  - Simplified PARMLIB Configuration

  - z/OS Management optimization and simplification

BEST SESSIONS
Core Tech z/OS Track Welcome

z/OS Futures - z/OS Next and ecosystem

- Workload Modernization

  - CHF [container hosting foundation] elimination (zCX)

  - zCX hardware currency and exploitation

  - zCX sysplex distributor support

- Language Support

  - Semeru (java) 17 & 21 support

  - Python available at no charge and zero S&S with z/OS (July 2024 announcement)

BEST SESSIONS
Core Tech z/OS Track Welcome

z/OS Futures - z/OS Next and ecosystem

- Data Serving

  - Data modernization

  - Avoid data set out of space (next release)

  - Hybrid cloud data - write to cloud via APIs

  - Data fabric

BEST SESSIONS
Core Tech z/OS Track Welcome

z/OS Futures - z/OS Next and ecosystem

- Security

  - AI-driven security (TDz - Threat Detection for z/OS)

  - Quantum safe

  - Expanded data set encryption

  - RACF JWT advancement

  - SOD: anti-malware for IBM z/OS

    - Anomaly detection available with TDz

    - Future is quarantine support

    - NIST nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-53r5.pdf

  - Emerging regulations PCI DSS 4.0, DORA with TDz support

BEST SESSIONS
Core Tech z/OS Track Welcome

z/OS Futures - z/OS Next and ecosystem

- Foundation support
  - Constraint relief for 64-bit virtual memory applications
  - Assembler skills reduction - remove exits and add policies (or not)
  - Deprecations and Removal of unused code and options
- Simplify Core principles
  - Consolidation, standardization, removal, education
  - Watsonx Assistant for Z
- OpenTelemetry (OT)
  - Cross-Z platform initiative includes all OS and subsystems including z/VM
  - App monitoring end-to-end

BEST SESSIONS
Core Tech z/OS Track Welcome

z/OS Futures - z/OS Next and ecosystem

- z/OS Client Engagement

- z/OS Sponsor Users

- z/OS Function alpha

- z/OS Function Beta

- z/OS Release beta….

- Contact shelley.brand@ibm.com to participate

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

By Steve Warren and Marna Walle of IBM

- z/OS 3.1 with CD (Continuous Delivery) 4Q2024 update
- AI https://www.ibm.com/support/z-content-solutions/ai-infusion-into-zos/
- IBM Synthetic Data Sets (1Q25) for AI Training - see Wed. Session
- zCX Sysplex distributor, zCX foundation for Red Hat OpenShift
- z/OS Containers Platform (zOSCP) 5655-MC3
  - Unpriced product
- z/OS 3.1 Functional Dependency moves to Semeru 21 on March 31, 2025
  - See z/OS 3.1 Planning for Installation
  - FIXCAT IBM.TargetSystem-RequiredService.Semeru.**
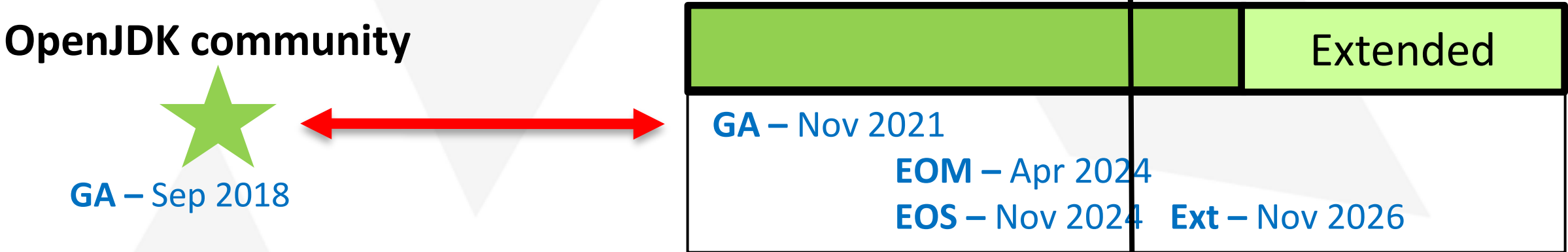
Java on z/OS release lifecycle

2015   2016   2017   2018   2019   2020   2021   2022   2023   2024   2025 | 2026   2027   2028   2029   2030   2031+
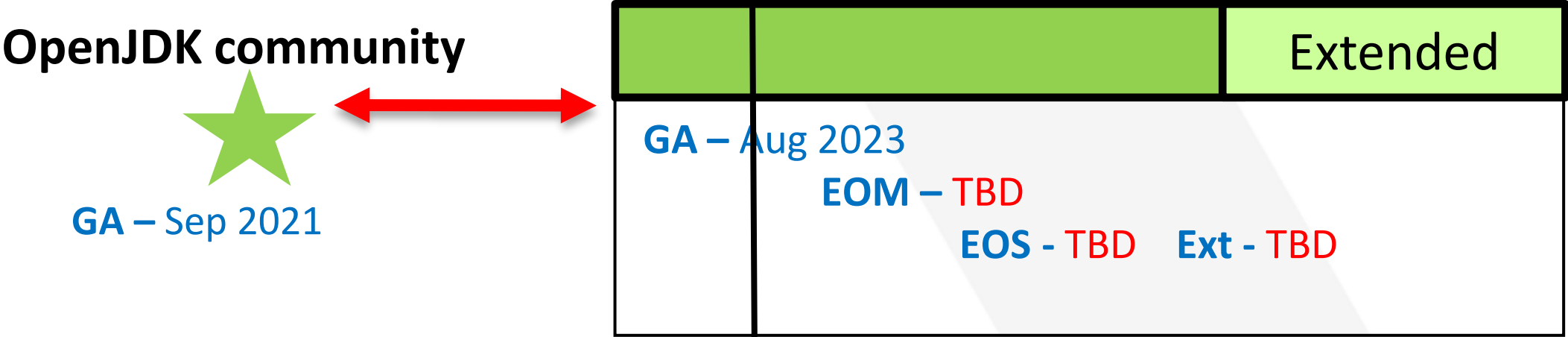
Java 8 (Enhanced 5+3)

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

*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.

Semeru 21 (Standard 3+2)

OpenJDK community

GA – Sep 2023

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

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

IBM®

Release	z10 EC z10 BC **WdfM**	z196 Z114 **WdfM**	zEC12 zBC12 **WdfM**	z13 Z13s **WdfM**	z14 ZR1 **WdfM**	z15 T01 T02 **WdfM**	Z16 A01 A02	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	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

z/OS 3.1 with CD 4Q 2024 updates

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

- z/OS Anomaly Mitigation - PFA, RTD, SLIP/PER
- z/OSMF PARMLIB App
  - 38 members supported
  - Syntax Validation REST APIs
- z/OS Unix Skulker enhancements
- SDSF (priced)
  - Module Fetch Monitoring
- z/OS Change Tracker (priced feature) includes new Compare Resources

BEST SESSIONS
What's New in z/OS 3.1: The DC 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 3.1?):
  - https://www.ibm.com/docs/en/zos/3.1.0?topic=documentation-pdf-files-zos-310-library
- Use SHARE requirements to submit requirements
  - https://www.share.org/Connect/Advocacy-Requirements-System

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

- Upgrade workflows (WF)
  - /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 WorkFlow, 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/

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

- IBM z/OS Change Tracker (CYGSTC)
- zDNN path supports access to Telum chip
  - Fixed 2.5 directory name error in 3.1- should be usr/lpp/aie/IBM
- Semeru 21 (Java) becomes z/OS 3.1 functional dependency on 31Mar2025
- New Health checks (7 on z/OS 2.5 for 3.1, 11 on 2.4 for 2.5)
  - Removed 10 checks from 3.1
- Use z/OSMF Portable Software Instance (previously ServerPac)
- Release boundary - default changes
  - Sysplex SSD format, non-executable PARM data, SDUMP Optimize option removed, ALLOCxx and OSPROTECT changed
- Recommend ASVT above 16M - change setting after first IPL of 3.1

"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...

"Big Migs" occurring on 3.1

Upgrade actions at 3.1 you should not overlook:

1. Update your z/OS functional dependency to Semeru 21 prior to September 30, 2026 (verify JAVA_HOME)

2. IBM JES3 removal

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

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

5. OpenSSH new ported level, 8.4p1

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

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

BEST SESSIONS
Bit Bucket x'45'

Fully Wired System Programmer REBOOT

By Donna Hudi of Phoenix Software International (PSI)

- Originally by Sam Knutson starting at SHARE 20 years ago
- IBMMain discussion group
- System Z Enthusiasts Discord group
- **https://interskill.com/?noredirect=en-US** for Mainframe training
- IBM Z Xplore Skill Depot **ibm.com/z/resources/mainframe-skills**

BEST SESSIONS
Bit Bucket x'45'

Fully Wired System Programmer REBOOT

- Open Mainframe Project
  - Zowe free training at **interskill.com/zowe/**
  - **openmainframeproject.org/projects/cobol**
  - CBTTape **https://www.cbttape.org**
  - Added to Open MF Project recently
    - Zones to train LLM with Mainframe programming languages like COBOL
    - Z open tools

BEST SESSIONS
Bit Bucket x'45'

Search for CBT Tape **https://www.cbttape.org**

By ????

- users sharing code since 1970s via CBT Tape
  - Amazing assembler code
  - CBT Tape Search Tool being developed
  - Targeting non-MF platform
- File 43 see Bit Bucket x'3E' about existing index
  - CBTView indexes files

BEST SESSIONS
Bit Bucket x'45'

IPCS Treasure Hunt

by Ed Jaffe of Phoenix Software International (PSI)

- IPCS is "the dark art [of diagnostics] in the realm of mysticism, and the arcane"
- Undocumented IPCS commands
  - Enable Sysprogs and system admins to perform diagnostic tasks
  - 23 unsupported functions in 2.6i of IPCS
- In z/OS 2.5, APAR OA64245 provided new 48 unsupported IPCS tools to speed on-site diagnostics (written in compiled REXX)
  - See IPCS IEAVHELP for list
  - FINDDATA(BLSXFIND)
    - Searches actual dump to find data string

SESSIONS OF INTEREST
Z Next Preview

By Faezeh Gholami of IBM
- IBM aspires that skills for Z can be used on other platforms
- AI revolution is here, Enterprise AI is from IBM, is not public
- IBM Z is a full stack offering
- ZNext fueling growth with AI, automating and transforming for efficiency, securing the most important data
- 1-4 frames, 4 compute drawers
- Simplified system I/O architecture, significant memory growth, increased I/O subsystem density

SESSIONS OF INTEREST
Z Next Preview

- Telum II has 8-5.5 Ghz 5nm chip with 10-36MB level 2 cache, 43B transistors, is 2nd gen AI
- On-chip Data Processing Unit
  - Reduces latency, up to 32 Telum II in coherent SMP system
  - Up to 192 PCIe slots, same drawer as in z16
  - 4 port FICON other increases
  - reduced power for IO management
  - Increased I/O subsystem density
  - Floor space savings

SESSIONS OF INTEREST
Z Next Preview

- 8 cores
  - Branch prediction improvements
  - Registers increased to 160 from128
  - Improved storeback and write
- 40% cache growth
  - 1 for DPU, 10 L2 cache

SESSIONS OF INTEREST
Z Next Preview

- Improved on-processor AI acceleration
  - 24 TOPS per chip
  - 192 TOPS per drawer, 768 TOPS per system
  - 1 accelerator per chip, but shared with other 7 cores
  - Support LLM computer primitives
  - Supports Int8, FP16 datatypes

SESSIONS OF INTEREST
Z Next Preview

- AI acceleration on zNext
  - Real-time multiple-model AI only on zNext
  - Predictive AI inferencing, speed and scale is critical, precision and accuracy
  - Generative AI acceptable performance
  - On-chip for SLM and Spyre for LLM - much more power efficient
  - Compared to Nvidia chip - IBM not building GPUs for LLM
- Powered by IBM Telum II and Spyre Accelerator

SESSIONS OF INTEREST
Z Next Preview

- Predictive AI plus LLMs and GenAI
  - Telum II has 1 AI accelerator, Spyre accelerator is 32 AI accelerators on PCIe card
  - Sprye enables GenAI on Z
  - 32 cores, 2MB scratchpad, 55% effective TOPS utilization
  - 300+ TOPS, 75w PCIe gen5 x16 adapter, 128GB of LPDDR5 memory
  - Up to 48 adapters per system

SESSIONS OF INTEREST
Z Next Preview

- AI acceleration on zNext
  - Telum II AI only chip
  - In-drawer intelligent routing for remote AI processing, 8x possible
- Enterprise-ready software stack
  - Watsonx and Red Hat OpenShift
  - Spyre card helps keep private data on platform
- Advanced AI - Benefits improved accuracy, client loyalty, greater ROI, improved efficiency
- zNext Technology Highlights see **April 8 IBM Z Day**

SESSIONS OF INTEREST

What a z/OS Guy Learned About AWS Over 10 Years

By Scott Chapman of Enterprise Performance Strategies, Inc.

Planet Mainframe zRoadshow

By Frank Kyne and Mark Wilson of Planet Mainframe

MW has 23 motorcycles

Leveraging Generative AI as a System Programmer or Developer

By Brenna Fernandes, Eduardo Rocha of Kyndryl, Sommya Kameswaran of IBM

SESSIONS OF INTEREST

Make the IPL work for You

By Ray Bowdish, DTS Software

IOF Securely enabling SYSPLEX-Wide Services for Non-Authorized Users

By Jay Hall, Fischer International

- IOF developed in late 1970s
- Goal - Expand IOF access beyond JES2 Multi-Access SPOOL to seeing jobs throughout the Sysplex

SESSIONS OF INTEREST

Deadly Sins of IT Presentations

   By Anastasiia Didkovska, nastasia@de.ibm.com

  • Cluttered foils, too much text, reading off slides

DICe-y Workflows: Managing Digital Certificates on the mainframe from Start to Finish

   By John Bay and Katie Juhala, Broadcom

SESSIONS OF INTEREST

AI Framework Overview and AI-Infused WLM Batch Initiator Use Case

By Anastasiia Didkovska, IBM Germany, Product Manager for AI on z/OS

- AI integrated into our lives - suggests words or phrases, map routes
- z/OS needs 2-7 years to get skilled on Z, AI helps
- LLM generative AI creates 300 tokens per second instead of a human's 1 token per second (token is a character)
- IBM strategy is simplify management of z/OS and its offerings by augmenting them with trustworthy AI

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 including Started Tasks will be waited
  - Control via JOBCLASS or Policy or Exit

SESSIONS OF INTEREST
JES2 Product Updates

- New Policy in z/OS Next release
  - JCLEvaluation (sixth policy type)
  - After JobCreate policy and before JobInput policy
  - Primarily to allow examination of each JCL statement
  - Access to JCTUser and JCTUseC to access user-defined fields

SESSIONS OF INTEREST
JES2 Product Updates

- z/OS Next release JES2 updates
  - ASCB in 31-bit storage
    - ASCBV31=YES in next release
  - SYSDSN ENQ protection in next release
    - CKPT and SPOOL data sets are now protected
    - JES2 $TCKPTDEF can allocate SPOOL and CKPT2 without ENQ
- SPOOL data set browse
  - Support SUBSYS= JCL DD statement to read spooled data set

SESSIONS OF INTEREST
JES2 Product Updates

- z/OS Next release JES2 updates
  - New $ACTIVATE level
    - Requires SPOOLDEF ADVANCED_FORMAT to be ENABLED
    - CTENTS JQY, JQS, DRX, DRTM plus optional CTENTS
    - CKPT must be large enough for all CTENTS
- New $VERIFY command
  - Supports JOBQUEUE, OUTQUEUE, BERTS
  - High CPU overhead
  - REBUILD= to attempt a queue rebuild (use only when level 2 told you to run this command) - warning some jobs may vanish

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

- 93% systems running z/OSMF, plug-in installs increasing
- z/OSMF Guild Community IBM.biz/zOSMFGuildHome
- 3rd anniversary of Guild, 2700 registered members, 35 sessions, 476 registrations per session, 275 live participants average
- z/OSMF Plugin Portfolio / Directory
  - IBM.biz/zOSMFPortfolio lists all 35+ plugins
- PARMLIB Management (PH56207) delivered in 2024
  - Validate PARMLIB members (38 at this time)
- Upcoming enhancements (z/OS Next)
  - Remove CIM dependency (Incident log, Jobs API, Capacity Provisioning)
  - Java 21 support, also via APAR for 3.1

STATUS OF SHARE

- **SHARE Association Update**
  - Strategic Plan 3-5 year plan is Approved
    - Volunteer Task forces in progress
  - SHARE Ambassador program
  - Efforts to Increase students attending SHARE Conferences
  - New partners in STE (SHARE Technical Exchange expo)
  - Women in IT and Veterans in IT groups at SHARE
- **Purpose positive impact for mainframe community**
  - Bring together global mainframe community for knowledge sharing, …

STATUS OF SHARE

- SHARE Cleveland Aug17-21 at Hilton Cleveland Downtown
- [Registration is Open Only for Alumn](#)i (that is, SHARE DC attendees) with a special rate available thru 24Apr2025
- 21Feb2025 [call for proposals open](#)
  - Encourage user speakers or joint session with vendors
  - New products or update should focus on how users are applying new product/feature
- 2 director at large positions are open for election in August

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- Enterprise-wide Program
- Information Management Program
- Linux and VM Program
- MVS Program
- Women in IT
- zNextGen

ADVOCACY & REQUIREMENTS SYSTEM

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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 Cleveland, Ohio August 17-21, 2025