

# SHARE MARCH 2017

MARCH 5-10, 2017  
SAN JOSE, CALIFORNIA



# AGENDA

- Why Go to SHARE?
- Odds and Ends
- Best Sessions
- Sessions of Interest
- z/OS Service Status
- SHARE Status

## WHY GO TO SHARE?

- IBM review of z/OS 2.3 functions and late-breaking news
- SHARE Requirements Carry More Weight with IBM than an individual RFE
- IBM's committed to satisfy 20% of SHARE Core Technology Top 80 Requirements in z/OS 2.3
  - Delivered 5, Rejected 6, Planned 4 of Top 82
- Networking with peers and IBM developers and executives re-energizes your z work back home

## ODDS AND ENDS

- SHARE Requirements now connects to IBM Development via the IBM RFE system
  - Delivered in June 2016
- Request for Enhancements (RFE) for new suggestions or requirements to IBM
  - <http://www.ibm.com/developerworks/rfe/>
- IBM z13 HMC is last one to support Classic Interface

## ODDS AND ENDS

- August 2016 Hot Topics #30 magazine is a Great Reference for z/OS V2R2 Topics
  - <http://www-03.ibm.com/systems/z/os/zos/library/hot-topics/hot-topics.html>
- APAR PI70511 z/OSMF Incident without requiring an SVCDump (UI43522)
  - My Requirement from 5 years ago
  - Delivered in December 2016

## **BEST SESSIONS THAT I ATTENDED**

- **z/OS Platform Installation Strategy (1 and 2)**
  - by Multiple ISVs and IBM
- ISVs Mainframe “Open Source” Install Project is now the z/OS Platform Installation Strategy
- 30+ vendors involved in year long discussions
- Common install desired by customers
- Both Sessions, IBM’s Overview and Vendor Response, are SHARE Live! presentations

# BEST SESSIONS THAT I ATTENDED

- **z/OS Platform Installation Strategy (continued)**
  - by Multiple ISVs and IBM
  
- z/OSMF is the delivery vehicle
  - Initial Availability in December 2016/January 2017
  - Software Management no longer requires SMP/E-deliverable products
  - 2019 is IBM's Goal for Full Function
  - SMP/E Provides Crucial Infrastructure for Product Delivery of Package
    - RECEIVE ORDER
    - HTTPS or FTPS
    - APIs are Available to Vendors

# BEST SESSIONS THAT I ATTENDED

- **20728 Live! z/OS Platform Installation Strategy**
  - by John Eells of IBM
- See session handout at  
<http://events.share.org/Winter2017/Public/SessionDetails.aspx?FromPage=Sessions.aspx&SessionID=2291&SessionDateID=18>
- **20729 Live! z/OS Platform Installation Strategy: Vendor Viewpoint**
  - By Reps from CA Technologies, BMC, Compuware
  - [x&SessionID=2292&SessionDateID=18](#)



## **BEST SESSIONS THAT I ATTENDED**

- **20526 What's New in z/OS 2.3 – Silicon Valley Edition**
- z/OS 2.3 Requires z12 or later z System
- z/OSMF 2.3
  - Parallel Sysplex Management Application
  - Console Application (in 2.2 SPE now)
- SMF Realtime APIs and Services (in 2.2 now)
- zFS shrinking function
- RMODE64 support in Binder, Java JIT, Contents Supervisor
- 8 character TSO userid support

# **BEST SESSIONS** 2016 What's New in z/OS 2.3 – Silicon Valley **THAT I ATTENDED** Edition

- KC4z upgrade with message lookup support
- SCRT Java version shipped in z/OS 2.3
- Non-executable memory
- SAF security deployment descriptor for RACF, CA Top Secret, and CA ACF2
- RACF and BPXPRMxx SUPERUSER sync
- 10 Font products added to z/OS Font Collection
- z/OSMF 2.3 Migration Workflow via z/OS

## BEST SESSIONS THAT I ATTENDED

- **20695 Mining z/OS Debugging Nuggets**
  - by Patty Little and John Shebey of IBM
  
- IPICS 2.6i toolkit
  - IEAVDUMP - overview of an SVCDump
  - IEAVCPUI - detailed CPU information
  - HELP for each EXEC
    - Example: IP IEAVCPUI HELP
  - IEAVLOGD - LOGREC records to one line entries
  - IGVVSMIN - below-the-bar and -line storage
  
- SYSTRACE

## **BEST SESSIONS THAT I ATTENDED**

- **20602 The New and Improved DS8880 Family**
  - by Nick Clayton of IBM
  
- DS8886 is the workhorse; hybrid flash and HDD
  
- All models can now be "all flash"
- Hardware RAID engine for "good path"
  - processor does management and error recovery
- Faster in future because not at hardware limits
- Standard 2.5" flash drives
- RAID6 is default
- 46U height?

# BEST SESSIONS THAT I ATTENDED

## 2016 The New and Improved DS8880 Family

(continued)

- zHyperlink is direct connect to DS8880
  - low latency interconnect
  - hardware ready - will enable when feature is ready
- Transparent Cloud Tiering for DS8K
  - OpenStack Swift, AWS S3
- SuperPAVs - share Aliases between SSIDs
- Thin Provisioning - small extents in 21 cylinder chunks to support EAV
  - limits to 2 Petabytes in DS8K
  - not for zLinux and z/VM

## BEST SESSIONS THAT I ATTENDED

- **20347 Create Your Own z/OSMF Workflow Lab**
- <http://events.share.org/Winter2017/Public/SessionDetails.aspx?FromPage=Sessions.aspx&SessionID=2051&SessionDateID=18>

# BEST SESSIONS THAT I ATTENDED

- **20522 ISPF Hidden Treasures, Coming Changes**
  - by Sam Reynolds (IBM RTP)
- z/OS 2.2 stuff
  - 3.17 File Systems menu like ishell FS menu
    - collapsed list, can be expanded
  - Set F4 PFKey to ZEXPAND for wider Command Line
- UDLIST /etc to go directly to a directory
- Set UDLIST options "Enter z/OS UNIX Commands in Command Field"
  - / on UDLIST Command Line to see Unix Commands (like TSO Commands)

# BEST SESSIONS THAT I ATTENDED

- **20522 ISPF Hidden Treasures (continued)**
  - by Sam Reynolds (IBM RTP)
- Even More z/OS 2.2 stuff
  - SCRNAME name to set a name for a session
    - SWAPBAR shows SCRNAME
  - Set up ZSTART or MYSTART with multiple START commands
    - In 7.3, set ZSTART
      - ZSTART P ISPF;START 11;I;SWAP 2
    - ISPF BASIC bypasses ZSTART
    - => See Panel 45 in this presentation
  - UNDO Storage Size in ISPCONFG
    - SETUNDO ON and FORCE



# BEST SESSIONS THAT I ATTENDED

- **20522 ISPF Hidden Treasures (continued)**
  - by Sam Reynolds (IBM RTP)
  
- z/OS 2.3 stuff
  - Eight Character TSO Userids
  - ZCURDEP ZCURWID current Screen Depth and Width delivered by APAR OA51216 (UA91206)
  - ISPF Editor Extended Stats
    - If all 3 line count values do not exceed 65535, that is,  $\leq 65535$ , show current Stats
    - If any of 3 counts exceed 65535, then show Extended Stats

## BEST SESSIONS THAT I ATTENDED

- **20727 IBM Skunkworks Projects for z/OS**
  - by Steve Warren, Maura Schoonmaker, and Paul Taukatch of IBM
- z Advanced Technical Team managed by Maura S.
- prototypes, incubator for projects
- z/OS Cloud Data Access
  - set of APIs to get, write, delete, and list objects in "cloud"
  - Cloud Provider frameworks for AWS, Microsoft, Google, etc.
- PGP encryption => Enterprise PGP
- [mkt@us.ibm.com](mailto:mkt@us.ibm.com) Maura S.
- [zidea@us.ibm.com](mailto:zidea@us.ibm.com) Ideas for the team to explore

## SESSIONS OF INTEREST

- **20755 MVS Core Technologies Project**
  - by Scott Engleman of IBM
- z/OS Directions
  - Continuous delivery is a one-train method
  - Big Data CAMSS (Cloud, Analytics, Mobile, Security, Social)
  - Agile Development, Design Thinking
  - API Economy - RESTful APIs to expose internal access and services to third parties

## SESSIONS OF INTEREST

- **20755 MVS Core Technologies Project**
  - by Scott Engleman of IBM
  
- z/OS Directions (continued)
  - z/OS 2.3 Available Sept. 29, 2017
    - Security Enhancements – more encryption for Data Sets and Coupling Facility
    - Simplification
  - z/OSMF Cloud Management and Provisioning
    - Fast deployment for subsystems like CICS
    - Real Time use of SMF data

## SESSIONS OF INTEREST

- **20512 Bit Bucket x'35'**
  - by a host of characters
  
- From Sam Knutson of Compuware:
  
- OSA-ICC Requirement SSMVSE11008 in July 2011 (requested by Brad Carson of LabCorp)
- Again in 2014 (#21 in Top 50)
  - IBM says OSA-ICC stabilized
- MCL P08440.004! allows use of larger screensize

## Z/OS SERVICE STATUS

- z/OS 1.9 End of Service was Sept. 30, 2010
  - z/OS 1.10 End of Service was Sept. 30, 2011
    - Two more years (until Sept. 2013) for a fee
  - z/OS 1.11 End of Service was Sept. 30, 2012
    - Two more years (until Sept. 2014) for a fee
  - z/OS 1.12 End of Service was Sept. 30, 2014
  - z/OS 1.13 End of Service was Sept. 30, 2016
- 
- z/OS 2.1 End of Service is Sept. 30, 2018
  - z/OS 2.2 End of Service is Sept. 30, 2020
  - z/OS 2.3 End of Service is Sept. 30, 2022
- 
- z/OS V2 has 5 years of Support plus 3 more years of fee-based Support

## SHARE STATUS

- SHARE Attendance Trending Upward
  - 1103 Attendees (1100+ Total Onsite)
    - 892 in Orlando, 890 in Seattle, 524 in Anaheim, 638 in Boston, 579? in San Francisco, 527 in Anaheim, 612 in Atlanta, 600+ in Orlando, 673 in Anaheim, ....
    - 193 First Time Attendees
    - 200+ Member Companies
- SHARE Live! Recorded 33 Sessions in San Jose
  - 140+ registered by week's end (New Record! Again!)
- SHARE Execforum
  - Once a Year
  - Returned in San Jose with 64 Attendees

## SHARE STATUS

- SHARE Monthly Webinars between Conferences
  - Registration required but free
  - Some vendor sponsored
- SHARE “Day” 8:30-5:15 (most breaks 15 min.)
- SHARE Affiliate Rate is \$99 Per Year (no voting)
- SHARE Select Membership (Annual Corporate) includes SHARE Live! and Archived Sessions



## SHARE STATUS

- Backpacks Given Away for San Jose
  - Not tablet cases like Atlanta and Orlando
- SHARE 129 is August 6-11, 2017 in Providence, RI
- SHARE 130 is March 11-16, 2018 in Sacramento

## SHARE STATUS

- SHARE Mobile App for iOS and Android
  - Earlier Availability for San Jose
  - Better but sharing between device still needs work
- Submit Your Proposal to Speak at SHARE in Providence by Friday, April 7, 2017
- SHARE Proceedings Access Needs SHARE Userid (free)
  - Go to [www.share.org](http://www.share.org)