

Other JES2 Sessions at this SHARE				
Mon	3:00	2701 IBM Printing Update		
Tues	8:00 9:30 11:00 3:00 1:30	 2661 Intro for New JES2 System Programmers 2705 InfoPrint Server Tips, Techniques & FAQs 2662 JES2 Exits & Internals Overview 		
Wed	8:00 9:30 11:00 1:30 4:30	 2702 VPS Printing Update 2657 z/OS 1.4 JES2 Health Monitor 2668 Migrating JES2 OS/390 R10 to z/OS 1.4 User Exper. 		
Thur	9:30 1:30 3:00 4:30	2709 Infoprint Server User Experiences 2659 JES2 Q & A		

Current JES2 Releases



FMIDs, Birthdays & Obituaries

JES2 Rel.#	FMID	First Available	No Longer Available	End of Service
OS/390 R.8/9	HJE6608	9/99	9/00	3/03
OS/390 R.10	HJE7703	9/00	3/02	9/04
z/OS R. 1	HJE7703	3/01	10/01	3/04
z/OS R. 2/3	HJE7705	10/01	9/02	10/04
z/OS R. 4	HJE7707	9/02	1Q04	9/05
z/OS R. 5	HJE7708	3/04	9/04	3/07

See www.ibm.com/services/sl/products/java.html (requires JVM 1.3)

See 'Migration from OS/390 V2R10 to z/OS V1R4'

www.ibm.com/servers/eserver/zseries/zos/installation/zos_migration.html

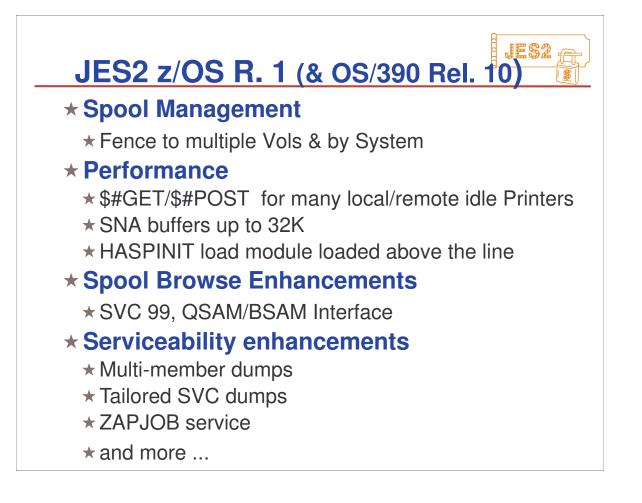
JES2/MVS Compatibility

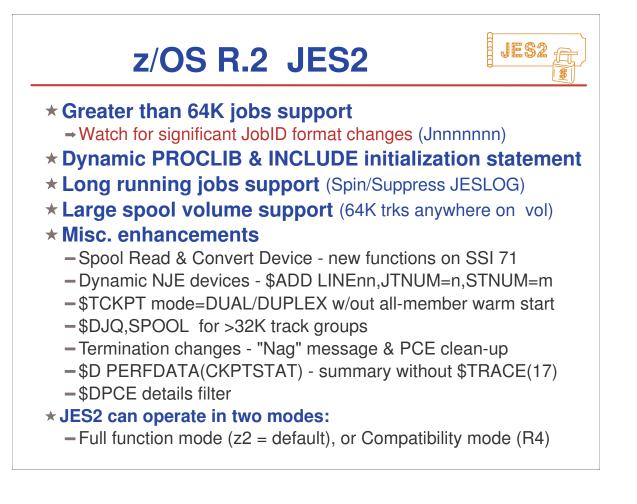
JES2	F

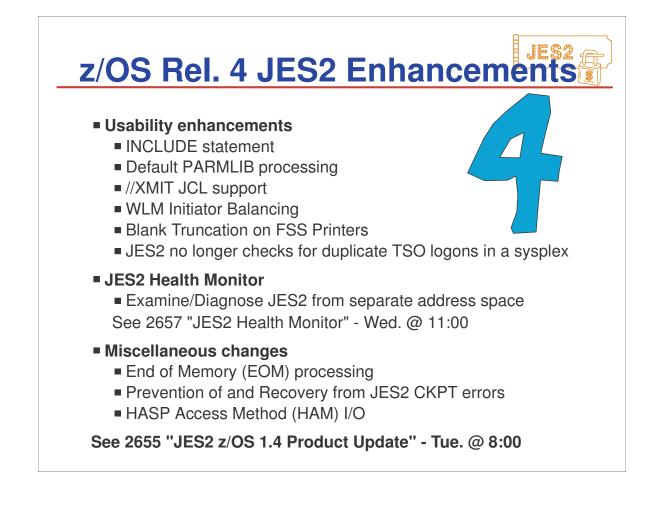
	JES2 Release:			
OS/390 z/OS Release	Rel.8/9 HJE6608	Rel.10 & z/OS R.1 HJE7703	z/OS R.2 HJE7705	z/OS R.4 HJE7707
R.8	Х			
R.9	Х			
R.10	Х	Х		
z/OS R1	Х	Х		
z/OS R2	Х	Х	Х	
z/OS R3	Х	Х	Х	
z/OS R4	Х	Х	Х	Х

From Rel. 10 on, JES levels supported by a given OS/390 release will be the same as the JES levels that can coexist in a MAS.

See "*z/OS and z/OS.e Planning for Installation Guide*" GA22-7504 at <u>http://www.ibm.com/servers/eserver/zseries/zos/bkserv/find_books.html</u> - Chapters 4 & 5





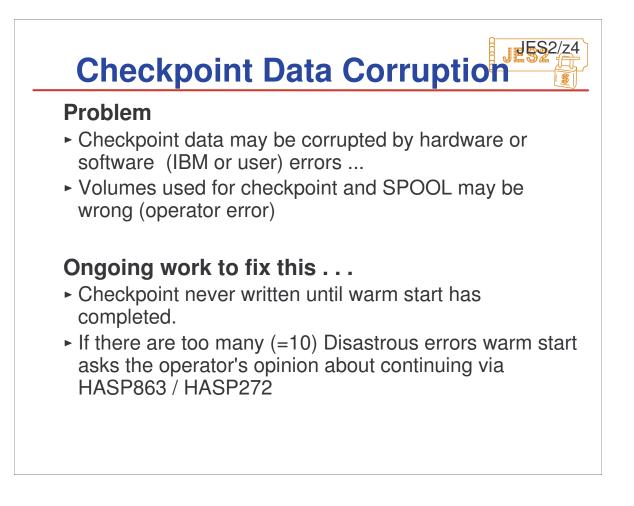


The major themes for this release are reducing outages and performance.

- To deal with the EOM timer added by MVS in z/OS 1.2, JES2 added a timer of its own that prevented us from being canceled. With this release, we remove the timer and all waits in the EOM SSI code.
- Processing in HAM (HASP access method used to read and write data sets to SPOOL) has been enhanced to improve performance and reliability

- Based on customer response, the INCLUDE statement that was added in z/OS 1.2 has been enhanced in this release to allow use of the default PARMLIB concatenation and to have a default JES2
- initialization member.
- Initialization processing was enhanced to not update JES2 checkpoint data sets until warm start processing has completed. - The //XMIT card is now supported to transmit jobs to other nodes via NJE. Previously, this was only supported by JES3
- We also updated the data passed to FSSes (original LRECL) and WLM (more sampling data)
 There is a compatibility APAR (as usual) for this release. It applies to R8, R10, and z2. R4 and z2 modes of operation are still supported.

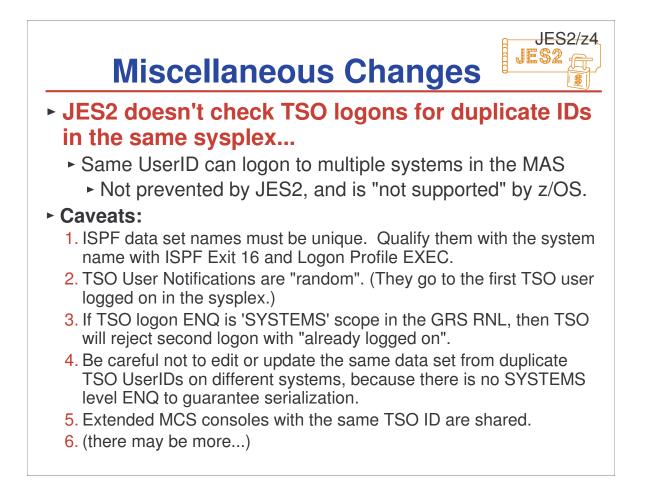
⁻ A health monitor has been created for JES2 to help installations deal with cases when JES2 is not responsive.



Problems have occurred over the years where an installation started with the wrong SPOOL or checkpoint volumes online (production on a test system or test on a production system). Also problems have occurred where only one checkpoint data set was bad. Typically, an installation notices this when they start to see thousands of error messages flood the screen. Often the system is stopped at that point to try and prevent problems. But it is too late. JES2 has already written some or all of the bad data to checkpoint. New logic will ensure that

- Nothing is written to the checkpoint until warm start processing completes

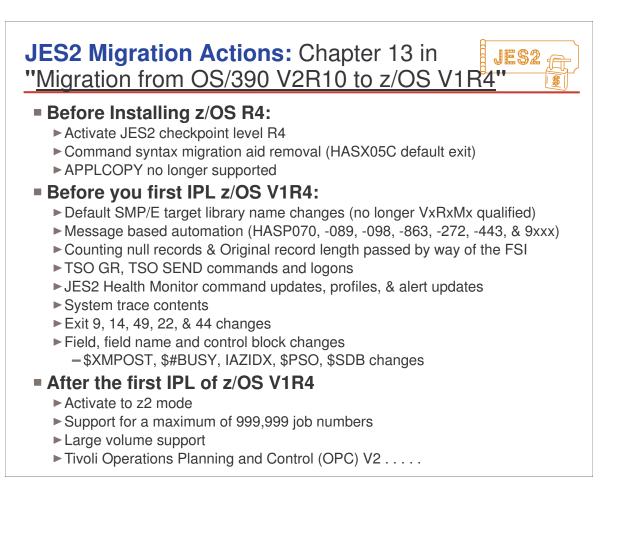
- If more than 10 errors are encountered, the operator is given the option of not starting JES2 (before anything has been written)

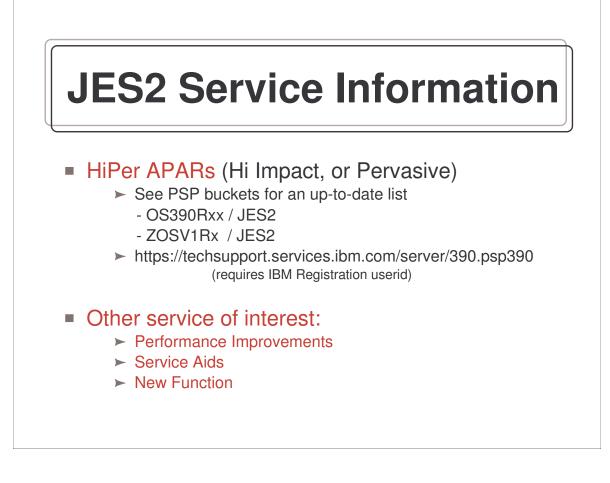


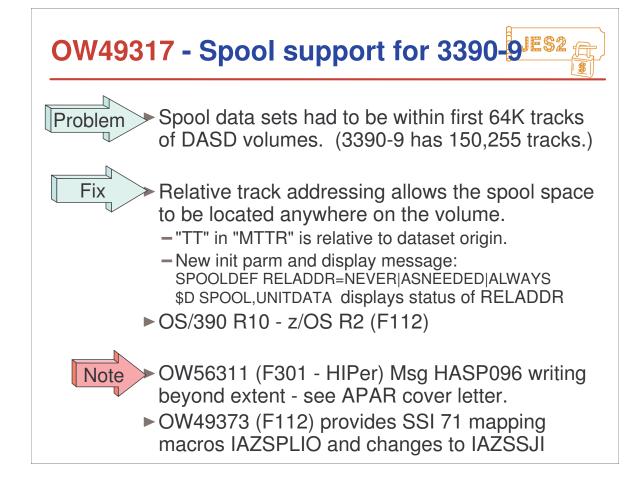
⁻ WLM needed additional information to better determine where to start/stop initiators. This information is provided by the z4 level of JES2. For more details on how this works, refer to the WLM presentations and documentation.

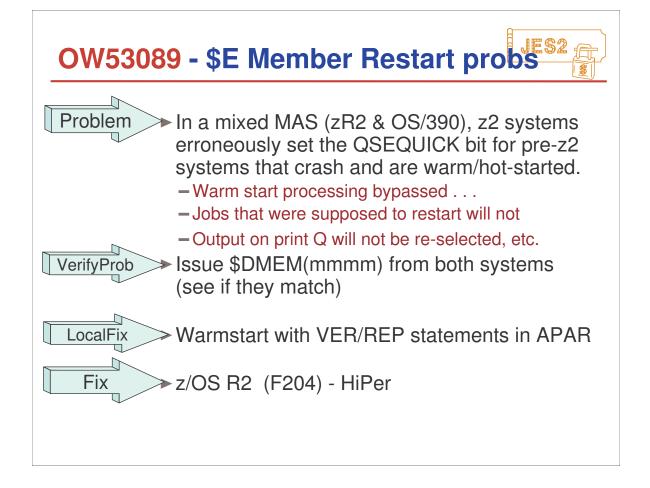
A problem has long existed with page mode (binary) data steams that are printed on FSS printer. If the installation selected blank truncation for the SYSOUT class, x'40' at the end of each record are removed so save space on SPOOL. The problem is that for binary data, the x'40' may not represent a blank. For external writers and SAPI devices, JES2 adds the blanks back in before passing the records across the interface. However, since FSS reads are locate mode, there is no way to insert the blanks back into the record. Also, the original record length was never passed to the FSS. That is what was corrected. The original record length is now passed to the FSS printer. It is up to the FSS printer to add any truncated blanks back into the record when it is printed. An updated FSS application may be needed to take advantage of this support.

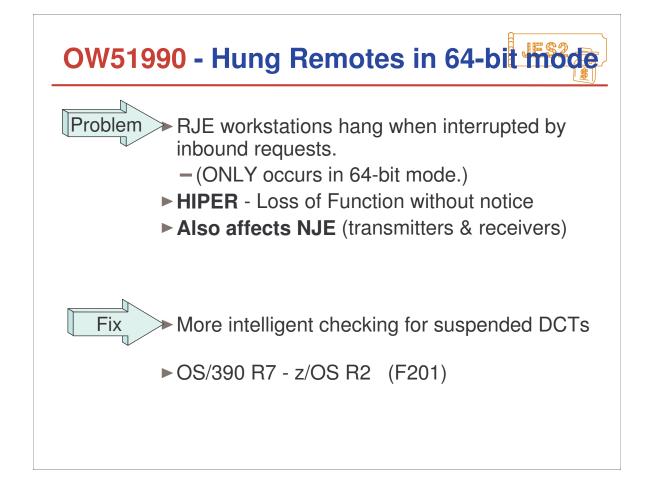


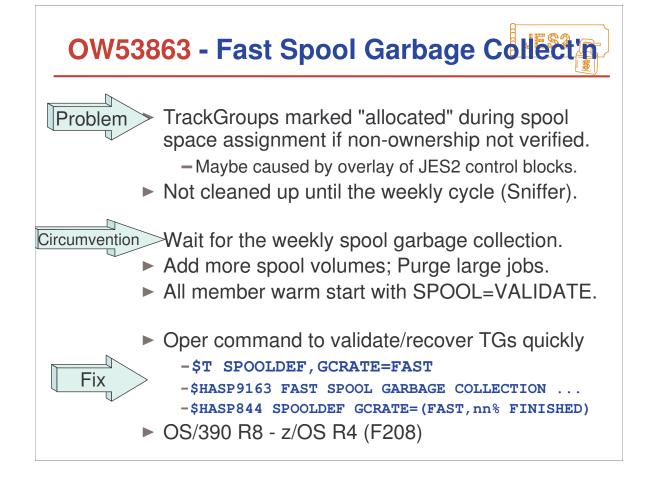


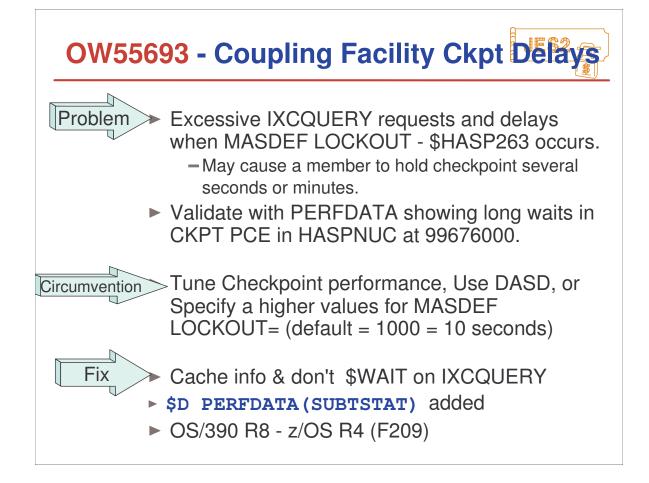


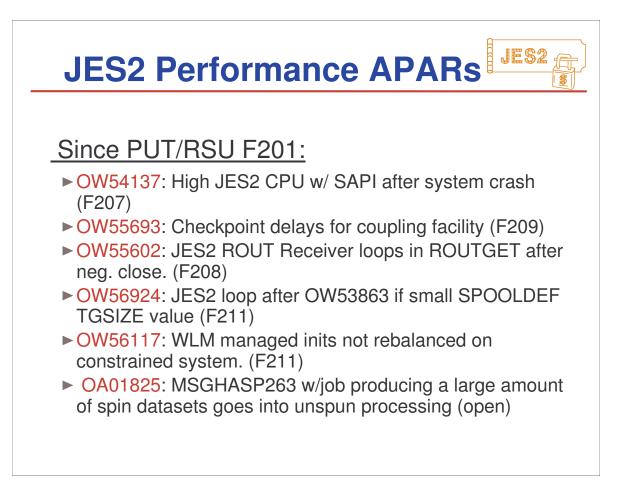


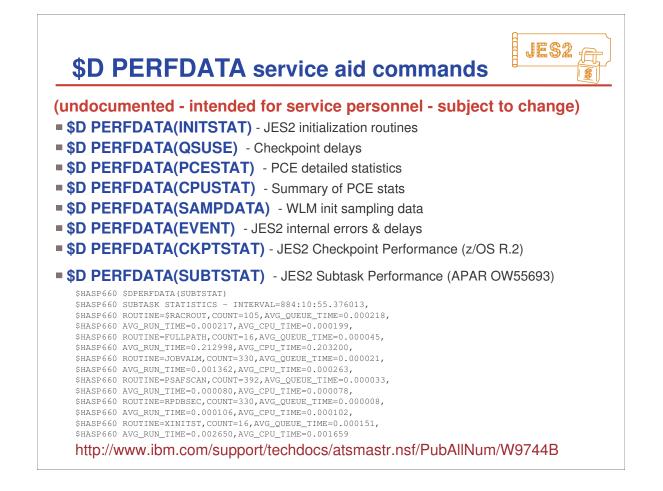


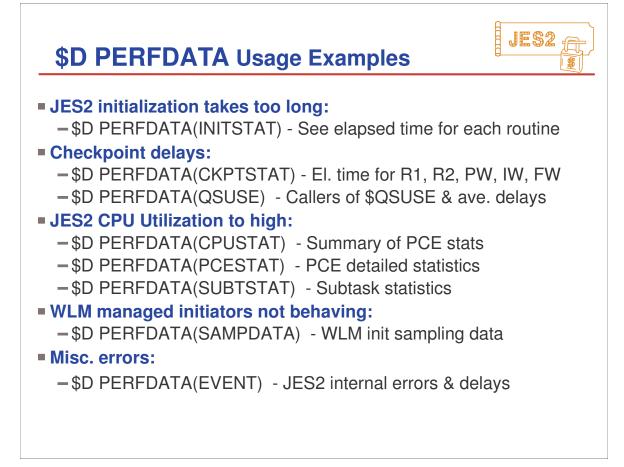










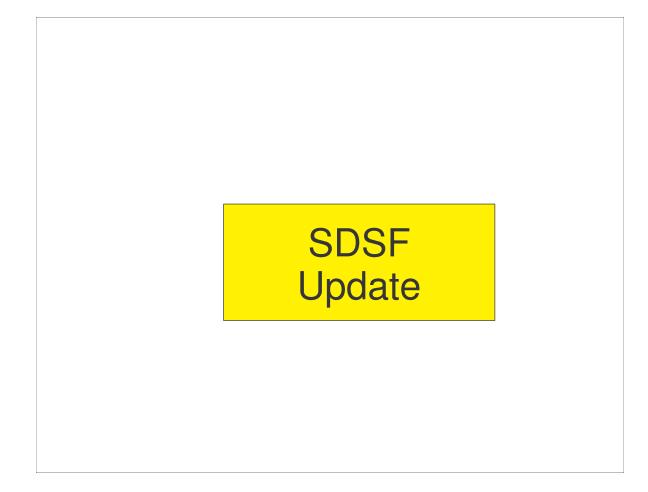


Survey Questions



What is your JES2 Release level?

JES2 Rel.#	Count	\$ACTIV- ATEd ?	Last Share (7/2002)	Prev Share (3/2002)
OS/390 R.5/6			0	4 - 2
OS/390 R.7			0	3 - 2
OS/390 R.8/9			6	7 - 4
OS/390 R.10/z1		XXX	20-9	21 - x
z/OS R2			9-4	5 - 3
z/OS R4			n/a	n/a



Dis	play Filter View Print	t Opt	ions Help		
HQX7705 SDSF PRIMARY OPTION MENU COMMAND INPUT ===> CSR					
І О Н	Active users Input queue Output queue Held output queue Status of jobs	INIT PR PUN RDR LINE NODE	Punches Readers Lines		
LOG SR MAS	System log System requests Members in the MAS	SO SP	Spool offload Spool volumes		
JC SE RES ENC PS	Job classes Scheduling environments WLM resources Enclaves Processes	ULOG	User session log		
END	Exit SDSF				

JES₂

Recent SDSF Releases

OS/390 R10 SDSF

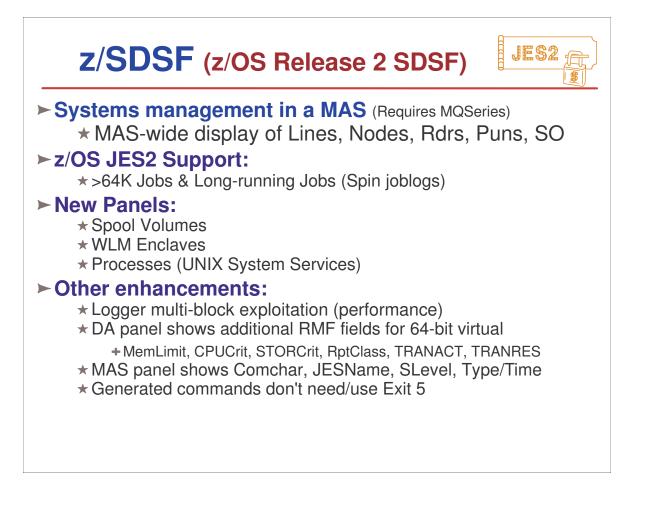
- Systems management in a MAS (Requires MQSeries for OS/390)
 - MAS-wide display of Printers and Initiators
 - ► View in-core buffers for active jobs on other systems
 - Improved Management of WTORs SR panel, RSYS cmd

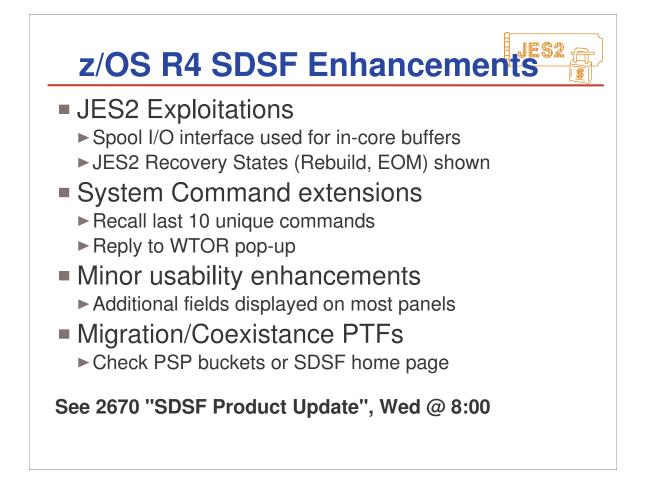
► Other enhancements:

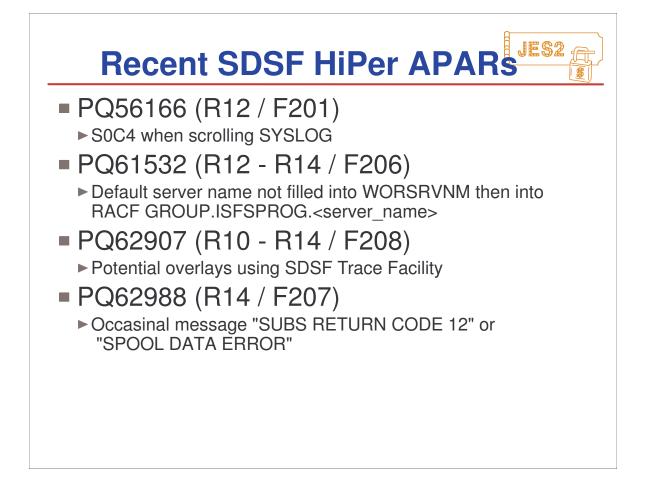
- SDSF Server management (operator commands)
- Web-based Configuration Assistant
- ► Conditional processing of ISFPARMS

z/OS R1 SDSF

- Same as OS/390 Rel. 10 SDSF
- Guide & Reference and Customization & Security replaced by SDSF Operation and Customization, SA22-7670









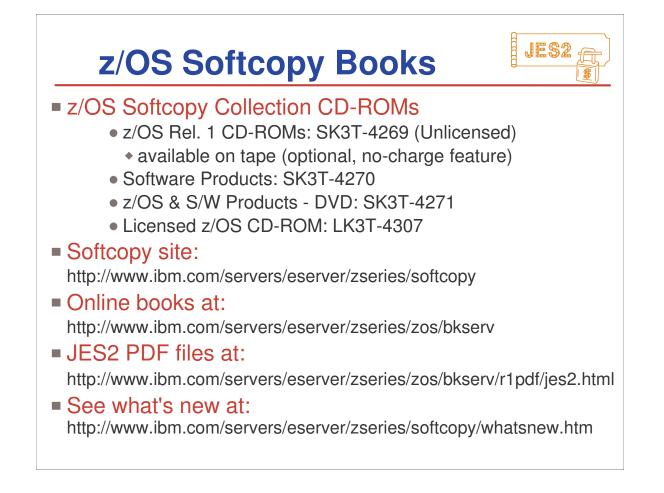
- OS/390 & z/OS JES2 Releases
- z/OS JES2 Library
- Softcopy Books
- other JES-related Books
- JES2 Education
- z/OS Web Sites

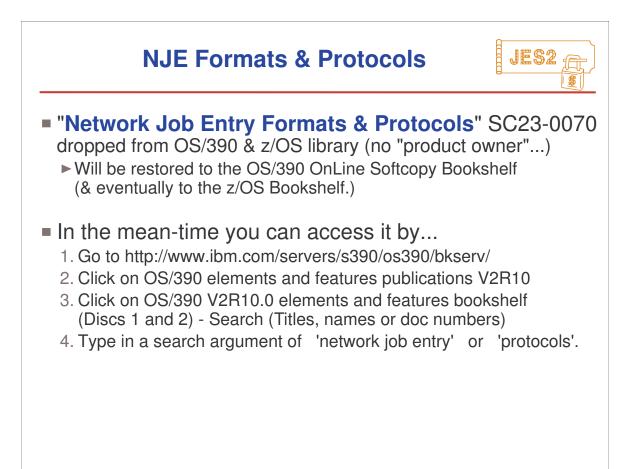


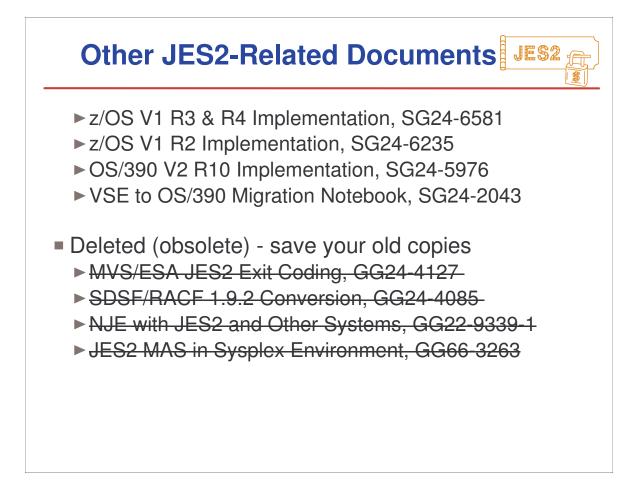
z/OS JES2 LIBRARY



SA22-7535 JES2 Introduction *
GA22-7538 JES2 Migration
SA22-7532 JES2 Initialization & Tuning Guide
SA22-7533 JES2 Initialization & Tuning Reference
SA22-7537 JES2 Messages
SA22-7526 JES2 Commands
SA22-7527 JES2 Commands Summary
SA22-7534 JES2 Installation Exits
SA22-7536 JES2 Macros
GA22-7531 JES2 Diagnosis
GA22-7528 JES2 Data Areas, V.1 \$A - \$E *
GA22-7530 JES2 Data Areas, V.2 \$F - \$O *
GA22-7530 JES2 Data Areas, V.3 \$P - \$X *







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