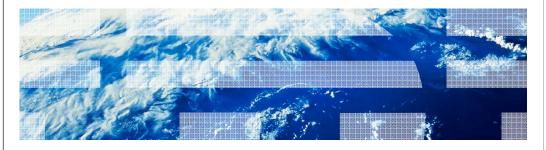
# z/OS V1R13

SDSF: Support for JES3 in z/OS V1R13



# Session objectives

- To describe the functionality added to both JES2 and JES3 to make SDSF fully functional under JES3
- To describe additional functionality related to other JES line items.

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### Overview

- Problem Statement / Need Addressed
  - Not all panels were supported under JES3
  - Panels depend on JES2 control blocks, making them inaccessible to JES3, as well as difficult to maintain
- Solution
  - PU (Punch), RD (Reader), LI (Line), INIT (initiator), and NO (Node) panels updated to use SSI to obtain data, and enabled for JES3
  - **SO** panel updated to use SSI 83 (still JES2 only)
  - New J0 (Job Zero) panel added for JES3
  - New NS (Network Server) and NC (Network Connection) panels
  - Additional columns on device panels in both JES2 and JES3
- Benefit / Value
  - Panels now work under JES3
  - Implementation no longer depends on JES control blocks
  - JESPlex scope is now implicit in these panels

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### PR (printer) display

- JES3 support for local printers was shipped in z/OS 1.12
- In z/OS 1.13, JES3 now returns RJP Printers in addition to local printers
- PR Command in JES3 environment now allows LCL|RMT parameter to obtain local or RJP printers only
  - Default is to obtain both
- Additional RJE/RJP-related columns added in both JES2 and JES3 environments

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# PU (punch) and RDR (reader) displays

- SSI 83 now used to obtain device data
  - SYSPLEX view does not require SDSF Server
- PU and RDR commands in JES3 environment now allow LCL|RMT parameter to obtain local or RJP punches/readers only
  - Default is to obtain both
  - Numeric device range not allowed in JES3
- Additional RJE/RJP-related columns added in both JES2 and JES3 environments
- Fixed field (device name) expanded to 10 bytes
  - Panel.PUN.DevnameAlwaysShort and Panel.RDR.DevnameAlwaysShort custom properties to revert to prior behavior

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# SO (spool offload) display

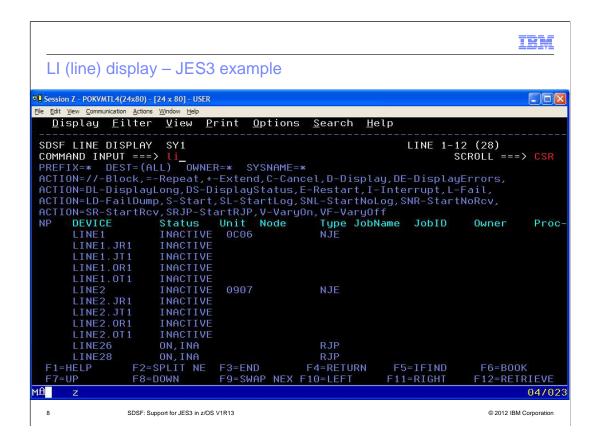
- SSI 83 now used to obtain device data
  - SYSPLEX view does not require SDSF Server
- Additional columns added for recently added JES2 parameters

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### LI (line) display

- SSI 83 now used to obtain device data
  - SYSPLEX view does not require SDSF server
- Enabled for JES3, only apples to BSC or CTC NJE/RJP lines
  - No line construct in JES3 for SNA or TCP/IP connections
- LI Command in JES3 environment allows SHORT parameter to suppress NJE transmitters and receivers
  - Default is to display lines and associated NJE transmitters/receivers
  - Numeric device range not allowed in JES3
- Additional RJE/RJP-related columns added in both JES2 and JES3 environments

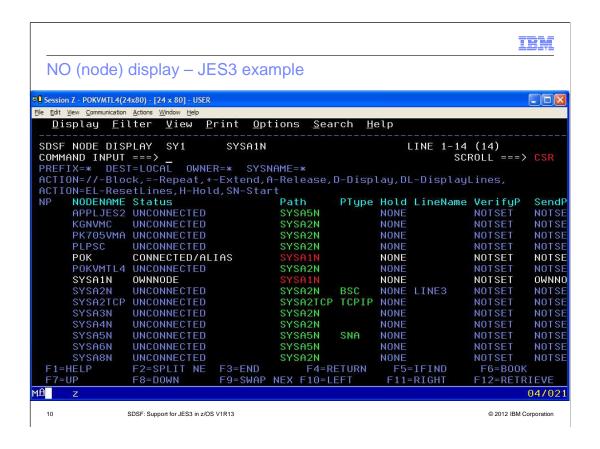
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# NO (node) display

- SSI 82 now used to obtain node data
  - SYSPLEX view does not require SDSF server
- Enabled for JES3
  - Fixed column is NODENAME as node numbers do not apply.

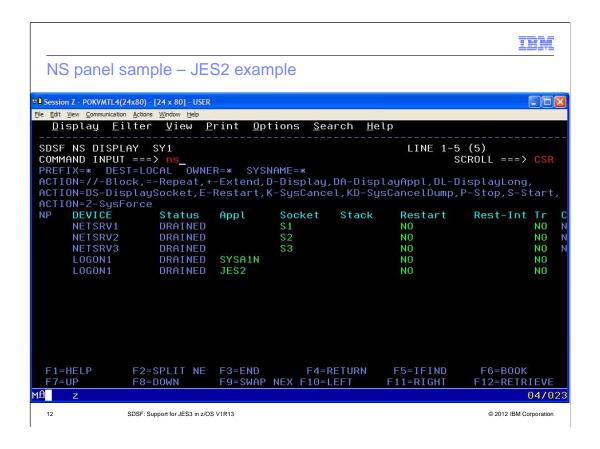
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### NS (network server) display

- New display for both JES2 and JES3
- JES2 displays NETSRV and LOGON devices
- JES3 displays NETSERV devices
- SSI 83 used to obtain data
  - SYSPLEX view does not require SDSF server

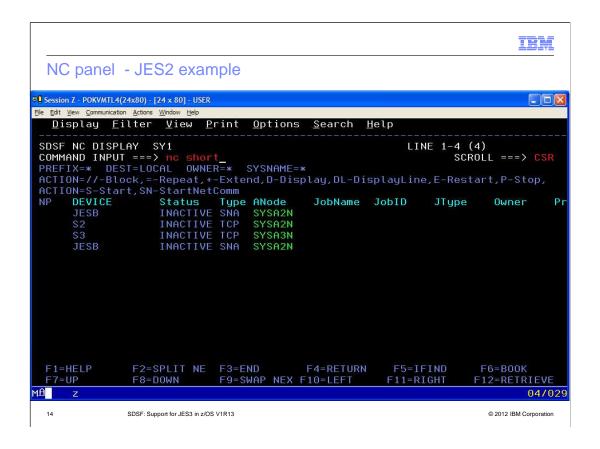
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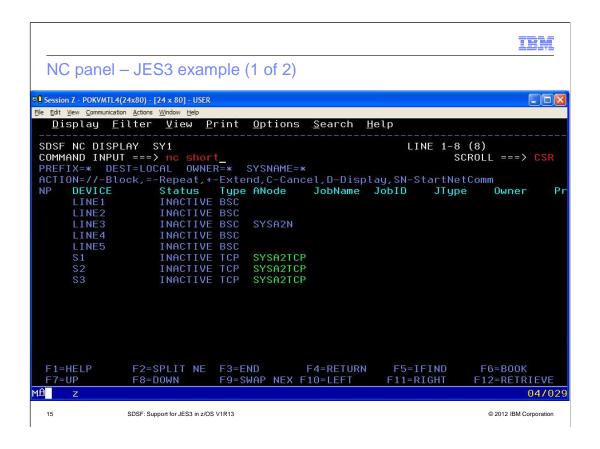


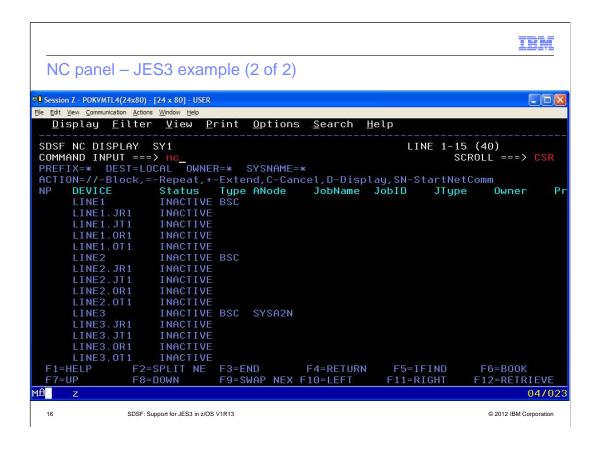
### NC (network connection) display

- New display for both JES2 and JES3
- JES2 displays SOCKET, APPL, and active BSC NJE Line devices, plus associated NJE transmitters and receivers
- JES3 displays SOCKET and active BSC NJE Line devices, plus associated NJE transmitters and receivers
  - No support for BDT connections
- NC SHORT displays devices without associated transmitters and receivers
- SSI 83 used to obtain data
  - SYSPLEX view does not require SDSF server

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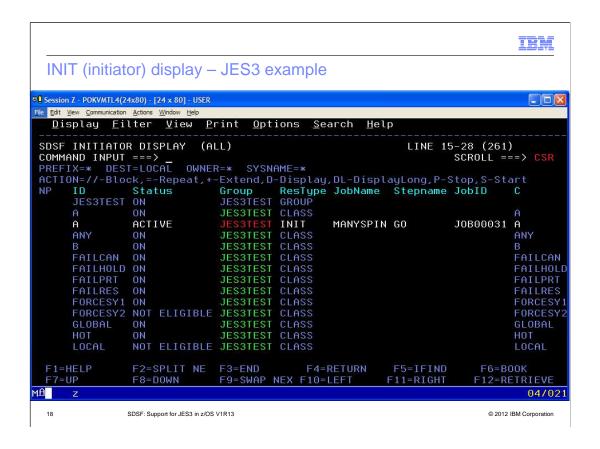




### INIT (initiator) display

- Previously updated to use SSI 82 in z/OS 1.12
- Enabled for JES3 in z/OS 1.13
- JES3 display shows rows corresponding to:
  - Groups (defined by GROUP parameter)
  - Classes (classes within each group)
  - Initiators (initiators)
  - ResType column indicates what is represented by the row
- Both JES3-managed and WLM-managed initiators are displayed
  - **INIT JES** can be issued to see only JES-managed inits/classes/groups
  - **INIT WLM** can be issued to see only WLM-managed inits/classes/groups

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# JO (job zero) display New display for JES3 Displays SYSOUT data associated with JES3 job 0 Output can be browsed, modified, printed, deleted, etc. Solvent Z = POKYMIL4(24x80) - 124 x 80) - USER Ele Edit Vew Communication Actors Window Help Display Eitter View Print Options Search Help SDSF JOB O DISPLAY LINE 12 LINE 1-1 (1) SCROLL ===> CSR RCTION= Z = DEST = (ALL) OWNER=\* SYSNAME=\* ACTION= Z = DEST = (ALL) OWNER=\* ACTION= Z = DES

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F6=B00K F12=RETRIEVE

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### Miscellaneous changes to panels

- 11 new columns on JES2 SP panel
  - Related to JES2 spool migration line item
- JOBRC column on JC display
  - Corresponds to new JES2 parameter
- Max-RC (O, H, I, ST) columns now can display:
  - CONV ERR if the converter failed
  - SYS FAIL if the job ended due to an IPL
- ES and ESH actions on DA, I, and ST panels
  - Correspond to new JES2 \$EJ,STEP and \$EJ,STEP,HOLD commands
- W action on JDS panel
  - Corresponds to new \$TJ,SPIN,DDNAME= parameter
  - New W (spinnable) column indicates whether the DD can be spun
  - Available when JDS is entered from DA, ST, or I panel

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### Other miscellaneous changes

- Spool dataset allocations can now use XTIOT
  - Number of concurrent allocations no longer restricted by TIOT
    - Partially addressed by allocation "window" added by PK96840
    - PK96840 did not address "SA" action in REXX
    - PK96840 did not address virtual storage utilization
  - Specify in DEVSUPxx member:
    - NON\_VSAM\_XTIOT=YES
    - If specified, SDSF will automatically allocate using XTIOT

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Interaction	ns and dependencies	
- None		
<ul><li>None</li></ul>		
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# Migration and coexistence considerations

- Ensure you have all JES2 toleration APARs for z/OS 1.11 or z/OS 1.12 data gathering code to be up to date.
- See JES2 presentations for complete list.

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Installatio	n	
■ None		
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### Session summary

- Lots of new panels in JES3
- New NS and NC panels in JES2
- New columns, actions and overtypes on many additional panels

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### Appendix - References

- SDSF Operator and Customization, SA22-7670-15
- SDSF REXXHELP command
  - Contains SDSF/REXX usage, syntax, and examples
- SDSF SEARCH command
  - Searches SDSF help system for word or phrase

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