

OMC-FLASH Release 5.0.0 – New Enhancements

October 2021

JES2 JESPLEX Display

In the JES2 MAS, OMC-FLASH 5.0.0 displays information about members of a JESPLEX, enabling users to:

- **Display active jobs** on other JES2 systems
- **Browse active jobs** on other JES2 systems
- **Display Health Checker data** and process line commands for Health checker data executing on other JES2 systems.
- **Display PROCLIB data** and process line commands for PROCLIB data sets on other JES2 systems.
- **Display USS data** and process line commands for USS processes executing on other JES2 systems.
- **Display Initiator data** and process line commands for INIT data on other JES2 systems.

The Jobname Selection Panel (JSP) Browse line command shows all data for active jobs for the other systems, and the JSP Expand command displays the Dataset Index Panel (DIP) with accurate line counts and other information for jobs active on other systems in the JES2 MAS.

JES2 Resource Monitoring Display

The RES primary command displays the JES2 Resource panel, which is a dynamic table panel displaying rows for each JES2 resource or control block, including the current utilization and the maximum utilization. Line commands and input columns allow modification of values and options. The REXX interface supports GET and MODIFY functions for each row, and the FLASHSAF/FLASHXIT allows restriction of this facility.

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----- OMC-FLASH JES monitoring display V5R0M0 ----- Row 1 to 17
COMMAND ==> Active Layout: TSCDEFAULT SCROLL ==>
-----
```

Cmd Name	Limit	Usage	Use%	Low	High	Average	Warn	Wn0v%	Description	Statement	Keyword	Sysname
BERT	2000	252	12.60	251	252	251	80	00.00	CKPTSPACE	CKPTSPACE	BERTNUM=	Z24J2A
B5CB	0	0	00.00	0	0	0	0	00.00	B5C TP buffers	TPDEF	B5CBUF=LIMIT=	Z24J2A
BUFEX	89	0	00.00	0	2	0	80	00.00	Extended CB buffers	BUFDEF	EXTBUF=LIMIT=	Z24J2A
CKVR	50	0	00.00	0	1	0	80	00.00	Checkpoint versions	CKPTDEF	VERSIONS=NUMBER=	Z24J2A
CMBS	10013	0	00.00	0	0	0	80	00.00	Console msg buffers	CONDEF	BUFNUM=	Z24J2A
CMDS	999	0	00.00	0	0	0	80	00.00	Command buffers	CONDEF	CMDNUM=	Z24J2A
ICES	4	0	00.00	0	0	0	80	00.00	SNA interface CBs	TPDEF	SESSIONS=LIMIT=	Z24J2A
JNUM	99999	278	02.77	275	278	275	80	00.00	Job numbers	JOBDEF	RANGE=	Z24J2A
JOES	15000	458	03.06	458	458	458	80	00.00	Job output elements	OUTDEF	JOENUM=	Z24J2A
JQES	4000	278	06.95	275	278	275	80	00.00	Job queue elements	JOBDEF	JOBNUM=	Z24J2A
LBUF	23	0	00.00	0	0	0	80	00.00	JES2 data buffers	BUFDEF	BELOWBUF=LIMIT=	Z24J2A
NHBS	100	0	00.00	0	0	0	80	00.00	NJE header buffers	NJEDEF	HDRBUF=LIMIT=	Z24J2A
SMFB	6	0	00.00	0	0	0	80	00.00	SMF buffers	SMFDEF	BUFNUM=	Z24J2A
TBUF	104	0	00.00	0	0	0	0	00.00	TCP/IP comm buffers	N/A	None	Z24J2A
TGS	20000	874	04.37	868	874	870	80	00.00	Spool track groups	SPOOLDEF	TGSPACE=MAX=	Z24J2A
VTAB	3	0	00.00	0	0	0	80	00.00	JES2 TRACE tables	TRACEDEF	TABLES=	Z24J2A
VTMB	30	0	00.00	0	0	0	80	00.00	SNA TP buffers	TPDEF	SNABUF=LIMIT=	Z24J2A
ZJC	1000	0	00.00	0	0	0	80	00.00	JOBGROUP info CBs	GRPDEF	ZJCNUM=	Z24J2A

***** Bottom of Data *****

Job Correlator Display for JES2

The Job Correlator value assigned to a job is now available in the Jobname Selection Panel display, and includes the following:

- 32 byte System Correlator assigned by the system.
- 32 byte User Correlator assigned via the UJOBCORR parameter on the JOB statement.

JES2 and JES3 JOB CLASS Information Display

A new JOBCLASS primary command displays all JOBCLASS data available from the current JESPLEX, and contains all information currently available for the JES where OMC-FLASH is running, whether JES2 or JES3. The new JOBCLASS display provides the following line commands:

- I (Information (JES2 only))
- LC for Log Class (JES2 & JES3)
- LG (Log Group (JES3 only))

The command is available on all screens offering a 'FACILITIES' pull down menu, and modification is allowed, depending on the FLASHSAF/FLASHXIT specifications and system limitations.

Fields for which JES does not allow modification (e.g. CLASS name) are displayed as OUTPUT fields; all other fields are displayed as INPUT fields. When the user overtypes an INPUT field that the FLASHSAF/FLASHXIT routines allow, the appropriate JES command will be built and issued. The JES command, and any output from the command, may be viewed in the USERLOG.

JES2 and JES3 Spool Volume Display

The Spool Volume display will show all existing Spool Partitions under either JES2 or JES3 and has a common look under both JES2 and JES3.

The fixed portion will display the totals for all Partitions, and the S or E line command can be used to request a display of the Extents for a Partition. When a Spool Migration is in process, the migration fields will be displayed.

Expanded OPERLOG Selection and Filtering Criteria

The OPERLOG panel now provides additional parameters for selecting output by the following criteria:

- Select text by patterns
- Exclude text by patterns
- Exclude Job Names
- Start and End text patterns
- Display data such as lines before text pattern
- Display data such as lines after text pattern

Jobstep Information from SMF30 in JES2 Spool (Eventlog)

The Jobstep Information panel displays all the available records for a job, including SMF30 types 1 (Job start), 4 (Step end) for each step, 5 (Job end) and STEPDATA records. The EVENTLOG/STEPDATA feature is accessed by using the new ST line command from the JSP (Job Selection Panel).

```

----- Row 1 to 4
COMMAND ==>
OMC-FLASH STEP Data Display - V5R0M0
SCROLL ==>

Active Layout: TEST1
Jobname - QAU5R02 - T000902 Show Deleted: YES
Status - Print Max CC - 0000 Start Date - 01/07/2020 08:21pm
Owner - QAU5R02 Main - J52A End Date - 01/07/2020 08:46pm
Class - - SRVCLS - CPU - Elapsed -

-----
Cmd Type SubT Record Sub-Type StepName ProcStep Program SMFBUffTime SMF Date CC Step# AbendRsn StepSelTime Sel Date ElapsedTime EX
-----
SMF30 1 JOB START 18:21:47.14 2020/007 N/A N/A
SMF30 4 STEP TOTAL 18:46:29.86 2020/007 0 1 N/A 18:21:47.14 2020/007 00:24:41.72
STEPDATA L EVENTLOG ISPFMHU ISPFMHU IKJEFT01 18:46:29.86 2020/007 0 1 N/A 18:21:47.14 2020/007 00:24:41.72
SMF30 5 JOB TERMINATION 18:46:29.02 2020/007 0 1 N/A 18:21:47.14 2020/007 00:24:41.88
***** Bottom of Data *****

```

JES2 Service Class Column Added for Active Jobs in the INIT Display

A JES2 Service Class column is added and displayed for each active job in the JES2 INIT panel, and the ability to modify the service class is included. FLASHSAF/FLASHXIT entry points can be utilized to restrict column modification.

JOB Memory Display

The JOB Memory Display lists information about the current memory usage by the requested JOB. This information is also summarized by various criteria (TCB, Subpool, Storage key) for ease in determining usage in specific areas or by specific programs. The JOB Memory Display is displayed when the JM line command is entered by a JOB on the Jobname Selection Panel (JSP).

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12:31pm Criteria Display Facilities Help Row 12 to 20 of 247
COMMAND ==>
OMC-FLASH JOB Memory Display - V5R0M0
SCROLL ==> CSR

JOB Memory information for F500BV0(S028173) in ASID(X'00B1B')
----- Private Region -----
Low Addr High addr Max Size (D) Avail (D)
24-bit ==> 00000000 ==> 0006E000 ==> 7315456 ==> 6809472
31-bit ==> 13100000 ==> 14105000 ==> 182766796 ==> 181087027

Active Layout: TSCDEFAULT
Sel SP ID Key Total Alloc Total Free % Free % Used # Alloc # Free
-----
0 0 4096 1760 43.0 57.0 1 1
1 0 8163220 88032 1.2 98.8 34 34
2 0 69632 3968 5.7 94.3 1 1
42 0 77024 16448 21.1 70.9 6 6
46 0 8626176 6656 0.1 99.9 2 2
120 0 4096 3952 96.5 3.5 1 1
205 0 446464 5672 1.3 98.7 16 2
215 0 139264 6736 4.8 95.2 6 2
225 0 73728 1320 1.8 98.2 5 5

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Conversion Facility for OMC-FLASH JES3 to OMC-FLASH JES2

The conversion facility automatically migrates the users' Dynamic Display Panel profiles for CONFIG, FILTER, and LAYOUT from OMC-FLASH JES3 to the corresponding fields in OMC-FLASH JES2.

During product initialization for a user (not the server), the user's saved CONFIG, FILTER, and LAYOUT information is migrated to the 'new' JES, if it doesn't already exist. A message is issued during startup which will indicate which CONFIG, FILTER, or LAYOUT settings have been migrated. No automated migration of Site defaults is performed.