VSE/POWER functional enhancements since 2005/03

JOB EXECUTION

Manipulation of the Job disposition of executing jobs:

When ever running jobs as CICS or VTAM are replaced by a new
version in the RDR queue, the active (DISP=*) job cannot be
altered to DISP=D, so that it vanishes at job end.
Now the PDISPLAY...,FULL=YES presents the original disposition by
ORGDP=D|K for DISP=* jobs, and the PALTER RDR,jobname (sub-
qualified by jobnumber or CQNUM=) allows to change the original
disposition from K<-->D.
VSE/ESA 2.6, PWR 6.6 APAR DY46306
VSE/ESA 2.7, PWR 6.7 APAR DY46308
z/VSE 3.1, PWR 7.1 APAR DY46323

Specification of Dynamic Partition default output class:

For dynamic partitions the default * $$ LST/PUN output class can
only be selected in a limited way: the general default is 'A',
unless overwritten by the execution class itself, when SET
DYNOUTCL=DYNCL is specified.
Now the new SET DYNOUTc=outclass autostart statement (can be
repeated!) defines for a dynamic execution class 'c' (C,D,E,G-Z)
the default job output class 'outclass' (A-Z or 0-9). VSE/POWER
evaluates the default output class in the following sequence:
  1. from SET DYNOUTc=outclass, if specified
  2. else from SET DYNOUTCL=DYNCL, if specified
  3. else using the general default of 'A'
VSE/ESA 2.6, PWR 6.6 APAR DY46309
VSE/ESA 2.7, PWR 6.7 APAR DY46205
z/VSE 3.1, PWR 7.1 APAR DY46324

Scheduling of reader jobs relative to read-in time:

VSE/POWER jobs that specify DUETIME=hhmm are scheduled for
execution at the 'absolute' next time 'hhmm' evaluated (for today
or tomorrow) at the read-in moment of the job.
Now the DUETIME=+hhmm (or +hmm) operand schedules the job acc. to
the 'relative' time (for today or tomorrow) of '+hhmm' after the
read-in moment of the job.
Note: +hhmm (or +hmm) must be specified as +0000 to +2459 (or as
+000 to +959), and no additional due date operand is allowed for
the DUETIME=+.... format.
VSE/ESA 2.6, PWR 6.6 APAR DY46226
VSE/ESA 2.7, PWR 6.7 APAR DY46345
z/VSE 3.1, PWR 7.1 APAR DY46248

Optional specification of PUNCH output DISP=I:
When creating a job through the * $$ PUN DISP=I facility, the new
RDR job entry obtains the specified execution class, but its
execution disposition is always 'D' - letting the job execute
immediately and letting it vanish right after execution.
This is improved by the new 'EDISPI=D|H|K|L' operand of a * $$ PUN
DISP=I statement, allowing to provide a desired 'Execution
Disposition for DISP=I' punch output.
VSE/ESA 2.6, PWR 6.6 APAR DY46365
VSE/ESA 2.7, PWR 6.7 APAR DY46366
z/VSE 3.1, PWR 7.1 APAR DY46367

Internal access to active VSE/POWER job class:
For the GETFLD FIELD=POWJOB service, the Dsect MAPPOWJB provides
e.g. Jobname (PJBPNAME) or Jobnumber (PJBPNUM) of the active
VSE/POWER job, but not its Jobclass.
This 1 Byte class is now made available at currently reserved
location (offset X'1E'), namely at PJBPNUM+2. Future releases will
provide the symbolic name PJBPCLS.
VSE/ESA 2.6, PWR 6.6 APAR DY46419
VSE/ESA 2.7, PWR 6.7 APAR DY46422
z/VSE 3.1, PWR 7.1 APAR DY46423

PNET NETWORKING

Display of PAGES (instead of LINES) in the XMT Queue display:
For list entries in the XMT queue VSE/POWER displays LINES (pages
only by P=nn...nn for FULL=YES). This may be confusing when being
used to PAGES in the LST queue display.
With the new operand PDISPLAY...,XMTL=PG, pages are presented for
list entries in the XMT queue under the 'PG/CD' column header.
Note: PAGES are not decremented for entries being transmitted!
VSE/ESA 2.6, PWR 6.6 APAR DY46300
VSE/ESA 2.7, PWR 6.7 APAR DY46302
z/VSE 3.1, PWR 7.1 APAR DY46322

Trailing-blank truncation suppressed for received PNET entries:
For job/output entries spooled locally with the JECL BTRNC=NO
option to preserve trailing blanks, PNET now propagates this entry
option to other VSE/POWER nodes. For entries that originated at
non VSE/POWER nodes, a user coded network receiver exit may
request 'suppress blank truncation'.
The same can now be requested by the 'PSTART
PNET,node_id,..,BTRNC=NO' command option, or even more general, by
the 'SET NETBTRNC=NO' VSE/POWER autostart statement.
VSE/ESA 2.6, PWR 6.6 APAR DY46389
VSE/ESA 2.7, PWR 6.7 APAR DY46375
z/VSE 3.1, PWR 7.1 APAR DY46390

TAPE PROCESSING

Sequencing on tape of POFFLOAD tape entries:
When POFFLOAD BACKUP/PICKUP/SAVE is started with the VSE/POWER 7.1
default JOURNAL=YES function, then the $OFJmmmm journal list entry
presents a sequence number 'qnnnnnn' for each spool entry on tape.
Now both this item sequence number and the journal list entry name
are recorded in the spool entries on tape, so that they may be
displayed by the PDISPLAY..,TAPE=cuu,OUT=LST command via the
display keywords 'OFNUM=nn...nn' and '$OFJ=mmmm'.
z/VSE 3.1, PWR 7.1 APAR DY46361

LOCAL and VM PRINTING

Display printed/total pages|cards for local printers & punches:
When a LST/PUN task printing/punching to local device or VM has a
queue entry in access, then the PDISPLAY of the LST/PUN queue
presents "remaining number of pages/cards to be processed" for
this
queue entry in DISP=* - but no longer its original total number of
pages/cards.
Now the PDISPLAY A(ctive) has been enhanced for a LST/PUN tasks
(similar to a PNET transmitter task) so that it presents
"LEFT=nn...nn OF mm...mmm", thereby naming the original total
mm...mm.
VSE/ESA 2.6, PWR 6.6 APAR DY46356
VSE/ESA 2.7, PWR 6.7 APAR DY46357
z/VSE 3.1, PWR 7.1 APAR DY46361

COMMAND PROCESSING

Display of queue entry creation time:
A FULL=YES display of the R|L|P|X-queue presents the creation date
(D=mm/dd/yyyy) of a queue entry but not its creation time (as
offered by the PXFMSTRT field, when requesting a 'fixed' format
Spool Access CTL-display).
Now the FULL=YES displays also the creation time by T=hh:mm:ss in
the 3rd line after QNUM=nnnnn.
VSE/ESA 2.6, PWR 6.6 APAR DY46232
VSE/ESA 2.7, PWR 6.7 APAR DY46244
z/VSE 3.1, PWR 7.1 APAR DY46246

Spool entry display sorted by creation date and time:

Pdisplay output is sorted according to class, disposition and priority. For PDISPLAY Format 1, the new SORT and LIMIT operands ...

```
D RDR|LST|PUN|XMT<,search-op>,SORT=NEW|OLD,LIMIT=nnn|16(dflt)
```

allow to display entries sorted by their age, i.e. 'OLDest' or 'NEWest' creation date and time. Using the FULL=YES option, the creation D= and T= can be made visible. Fixed format display is also supported,
standard message display is preceded by an extra message, e.g.

```
PDISPLAY LST,*XYZ,SORT=NEW,LIMT=40
1R46I  FOR 'D LST,.,LIMIT=040,SORT=NEW' COLLECTED 040 OF 00199
ENTRIES
1R46I    LIST QUEUE   P D C S ....
VSE/ESA 2.6, PWR 6.6 - function not available -
VSE/ESA 2.7, PWR 6.7 APAR DY46375
z/VSE 3.1, PWR 7.1 APAR DY46390
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