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IT Cost
Under Control

EPV Technologies

Newsletter

December 2022

THIS MONTH HIGHLIGHTS

- Merry Christmas and Happy New Year
- EPV Performance University 2023

Merry Christmas and Happy New Year

The EPV staff wishes a Merry Christmas and a Happy New Year to all the newsletter subscribers.



EPV Performance University 2023

We are planning the EPV Performance University 2023. It should be held in Rome and based on the following, in-person, training courses:

- z/OS data collection, 7 March 2023
- z/OS performance analysis, 8-9 March 2023
- MQ performance analysis, 14 March 2023
- Db2 Performance Analysis, 15-16 March 2023

More details in a special edition of this newsletter.
Stay tuned!



Customer Questions

We have a machine with 2 physical CPUs. Our production LPAR has a weight of 70% and 2 logical CPUs assigned.

Why HiperDispatch gives 2 Medium Polarity logical processors to this LPAR instead of 1 High and 1 Medium?

EPV Technical Support answer

HiperDispatch requires a Medium Polarity logical processor to have a share of at least 50% of a physical processor.

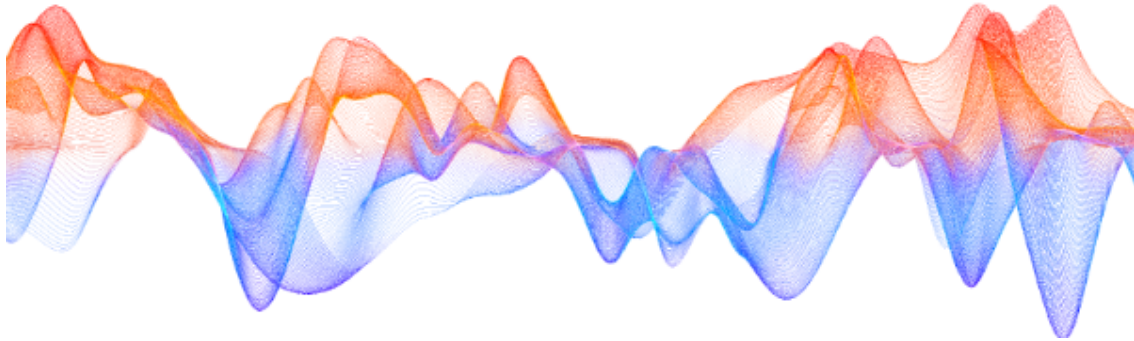
In your case, the production LPAR has a 70% relative weight. By multiplying 70% by the 2 physical processors in the machine, this LPAR gets 140% of physical processor share.

With 1 High Polarity processor (100% share) the remaining logical processor would be a Medium with only 40% share. This is not acceptable.

To get 1 High and 1 Medium Polarity logical processor, you should assign the production LPAR a 75% relative weight.

In this case the share would be 150% ($75\% * 2$).

Little known SMF parameters



REPORTOPTS(NOSUBTYPE/SUBTYPE)

The REPORTOPTS parameter applies both to the SMF data set dump program (IFASMFDL) and to the SMF log stream dump program (IFASMFDL).

It specifies whether the summary activity report produced by these programs must list the SMF record subtypes.

Example:

```

LSNAME                START DATE/TIME    END DATE/TIME
IFASMF.SOW1.ALLSMF   01/15/2022 09:30:05 01/15/2022 10:02:31

```

SUMMARY ACTIVITY REPORT

```

          START DATE-TIME 01/15/2022-09:30:05                END DATE
RECORD          RECORDS          PERCENT          AVG. RECORD          MIN. RECORD
TYPE / SUBTYPE          READ          OF TOTAL          LENGTH          LENGTH
2 / -                0
3 / -                0
4 / -                6          .06 %          233.66          215
5 / -                3          .03 %          145.00          145
14 / -               17          .17 %          562.58          432
15 / -               13          .13 %          432.00          432
17 / -                3          .03 %          100.00          100
20 / -                1          .01 %           97.00           97
26 / -                1          .01 %          520.00          520
30 / 1                1          .01 %          486.00          486
30 / 2               200         2.04 %         1,536.48         1,240
30 / 3                5          .05 %         1,718.40         1,330
30 / 4                7          .07 %         1,526.85         1,240
30 / 5                4          .04 %         1,743.50         1,240
30 / 6               24          .25 %         1,208.00         1,208

```

The default value is NOSUBTYPE.

Using REPORTOPTS(SUBTYPE) is strongly suggested. It provides more detailed information especially for SMF records with many subtypes (e.g. SMF 30) or for SMF records where quite different information are provided by each subtype (e.g. SMF 74).

Quotes



"The beginning is the most important part of the work."

Plato

Fresco "Scuola di Atene" - Raffaello

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