## RMF Postprocessor Interval Report [System SYH2] : PCIE Activity Report

RMF Version : z/OS V2R2  SMF Data : z/OS V2R2
Start : 08/26/2016-13.36.00 End : 08/26/2016-13.42.02 Interval : 06:02:000 minutes

### Expand or Collapse SegmentGeneral PCIE Activity

| Function ID | Function CHID | Function Name | Function Status | Owner Job Name | Owner Address Space ID | Function Allocation Time | PCI Load Operations Rate | PCI Store Operations Rate | PCI Store Block Operations Rate | Refresh PCI Translations Operations Rate | DMA Address Space Count | Read Transfer Rate | Write Transfer Rate |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0029 | 01BC | Hardware Accelerator | Allocated | FPGHWAM | 0013 | 362 | 0 | 515 | 0 | 87.8 | 1 | | |
| 0039 | 027C | Hardware Accelerator | Allocated | FPGHWAM | 0013 | 362 | 0 | 514 | 0 | 87.8 | 1 | | |

### Expand or Collapse SegmentHardware Accelerator Activity

| Function ID | Time Busy % | Request Execution Time | Std Dev for Request Execution Time | Request Queue Time | Std Dev for Request Queue Time | Request Size | Transfer Rate Total |
|---|---|---|---|---|---|---|---|
| 0029 | 27.7 | 250 | 0.523 | 207 | 377 | 541 | 599 |
| 0039 | 27.7 | 251 | 0.523 | 208 | 378 | 541 | 599 |

### Expand or Collapse SegmentHardware Accelerator Compression Activity

| Function ID | Compression Request Rate | Compression Throughput | Compression Ratio | Decompression Request Rate | Decompression Throughput | Decompression Ratio | Buffer Pool Size | Buffer Pool Utilization |
|---|---|---|---|---|---|---|---|---|
| 0029 | 1106 | 571 | 20.6 | 0 | 0 | | 16 | 0 |
| 0039 | 1106 | 571 | 20.6 | 0 | 0 | | 16 | 0 |

Figure 3-2    Sample RMF PCI activity report

Information about zEDC processing for LOB compression and decompression is also recorded in Db2 accounting records. Accounting class 3 uses two new LOB COMPRESSION counters: QWAX_LOBCOMP_WAIT and QWAX_LOBCOMP_COUNT. These counters record the wait time and the number of times the thread waited for LOB compression to be performed by the zEDC card. An excerpt of the OMPE accounting report class 3 wait information (including the new LOB compression wait information) is shown in Example 3-2.

Example 3-2    Db2 accounting class 3 LOB compression wait time

```
CLASS 3 SUSPENSIONS    AVERAGE TIME  AV.EVENT  TIME/EVENT
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LOCK/LATCH(DB2+IRLM)     0.003751      0.84     0.004456
 IRLM LOCK+LATCH         0.000083      0.02     0.003970
 DB2 LATCH               0.003667      0.82     0.004468
SYNCHRON. I/O            0.003553      1.00     0.003542
 DATABASE I/O            0.000009      0.00     0.002945
 LOG WRITE I/O           0.003544      1.00     0.003544
OTHER READ I/O           0.000002      0.00     0.003301
OTHER WRTE I/O           0.000030      0.01     0.004748
SER.TASK SWTCH           0.000139      0.00     0.072344
 UPDATE COMMIT           0.000000      0.00          N/C
 OPEN/CLOSE              0.000010      0.00     0.091700
 SYSLGRNG REC            0.000000      0.00          N/C
 EXT/DEL/DEF             0.000127      0.00     0.074100
 OTHER SERVICE           0.000002      0.00     0.022306
ARC.LOG(QUIES)           0.000000      0.00          N/C
LOG READ                 0.000000      0.00          N/C
DRAIN LOCK               0.000000      0.00          N/C
CLAIM RELEASE            0.000000      0.00          N/C
PAGE LATCH               0.000002      0.00     0.003901
NOTIFY MSGS              0.000000      0.00          N/C
GLOBAL CONTENTION        0.000000      0.00          N/C
COMMIT PH1 WRITE I/O     0.004439      1.00     0.004439
ASYNCH CF REQUESTS       0.000000      0.00          N/C
TCP/IP LOB XML           0.003463     16.00     0.000216
ACCELERATOR              0.000000      0.00          N/C
```