# WORKLOAD REPOSITORY report for

| DB Name | DB Id | Unique Name | Role | Edition | Release | RAC | CDB |
|---|---|---|---|---|---|---|---|
| OQ05EODB | 2776914753 | oq05eodb | PRIMARY | EE | 19.0.0.0.0 | YES | NO |

| Instance | Inst Num | Startup Time | User Name | System Data Visible |
|---|---|---|---|---|
| oq05eodb01 | 1 | 13-Oct-21 14:25 | SYSTEM | YES |

| Host Name | Platform | CPUs | Cores | Sockets | Memory (GB) |
|---|---|---|---|---|---|
| drl02omsdb003.na.bestbuy.com | Linux x86 64-bit | 160 | 80 | 8 | 4029.45 |

| | Snap Id | Snap Time | Sessions | Cursors/Session | Instances |
|---|---|---|---|---|---|
| Begin Snap: | 3965 | 21-Oct-21 07:00:22 | 11701 | 3.9 | 2 |
| End Snap: | 3969 | 21-Oct-21 08:00:26 | 11953 | 4.9 | 2 |
| Elapsed: | | 60.07 (mins) | | | |
| DB Time: | | 43,627.58 (mins) | | | |

## Report Summary

### Top ADDM Findings by Average Active Sessions

| Finding Name | Avg active sessions of the task | Percent active sessions of finding | Task Name | Begin Snap Time | End Snap Time |
|---|---|---|---|---|---|
| Top SQL Statements | 780.06 | 78.50 | ADDM:2776914753_1_3966 | 21-Oct-21 07:00 | 21-Oct-21 07:15 |
| Top SQL Statements | 750.49 | 80.18 | ADDM:2776914753_1_3968 | 21-Oct-21 07:30 | 21-Oct-21 07:45 |
| Top SQL Statements | 710.83 | 79.33 | ADDM:2776914753_1_3967 | 21-Oct-21 07:15 | 21-Oct-21 07:30 |
| Unusual "Other" Wait Event | 780.06 | 67.70 | ADDM:2776914753_1_3966 | 21-Oct-21 07:00 | 21-Oct-21 07:15 |
| Unusual "Other" Wait Event | 750.49 | 67.57 | ADDM:2776914753_1_3968 | 21-Oct-21 07:30 | 21-Oct-21 07:45 |

### Load Profile

| | Per Second | Per Transaction | Per Exec | Per Call |
|---|---|---|---|---|
| DB Time(s): | 726.2 | 0.1 | 0.00 | 0.00 |
| DB CPU(s): | 105.0 | 0.0 | 0.00 | 0.00 |
| Background CPU(s): | 3.7 | 0.0 | 0.00 | 0.00 |
| Redo size (bytes): | 55,185,868.8 | 5,090.2 | | |
| Logical read (blocks): | 3,248,069.5 | 299.6 | | |
| Block changes: | 256,349.3 | 23.6 | | |
| Physical read (blocks): | 15,802.8 | 1.5 | | |
| Physical write (blocks): | 6,704.0 | 0.6 | | |
| Read IO requests: | 5,066.4 | 0.5 | | |
| Write IO requests: | 3,660.3 | 0.3 | | |
| Read IO (MB): | 246.9 | 0.0 | | |
| Write IO (MB): | 104.8 | 0.0 | | |
| IM scan rows: | 0.0 | 0.0 | | |
| Session Logical Read IM: | 0.0 | 0.0 | | |
| Global Cache blocks received: | 330.3 | 0.0 | | |
| Global Cache blocks served: | 7.5 | 0.0 | | |
| User calls: | 658,823.8 | 60.8 | | |
| Parses (SQL): | 208,990.1 | 19.3 | | |
| Hard parses (SQL): | 0.0 | 0.0 | | |
| SQL Work Area (MB): | 54.1 | 0.0 | | |
| Logons: | 1.6 | 0.0 | | |
| User logons: | 1.1 | 0.0 | | |
| Executes (SQL): | 203,026.8 | 18.7 | | |
| Rollbacks: | 8,775.3 | 0.8 | | |
| Transactions: | 10,841.6 | | | |

### Instance Efficiency Percentages (Target 100%)

| | | | |
|---|---|---|---|
| Buffer Nowait %: | 99.98 | Redo NoWait %: | 99.99 |
| Buffer Hit %: | 99.87 | In-memory Sort %: | 100.00 |
| Library Hit %: | -404.84 | Soft Parse %: | 100.00 |
| Execute to Parse %: | -2.94 | Latch Hit %: | 99.60 |
| Parse CPU to Parse Elapsd %: | 77.83 | % Non-Parse CPU: | 95.99 |
| Flash Cache Hit %: | 0.00 | | |

### Top 10 Foreground Events by Total Wait Time

| Event | Waits | Total Wait Time (sec) | Avg Wait | % DB time | Wait Class |
|---|---|---|---|---|---|
| latch: ges resource hash list | 7,464,114 | 1.7M | 233.38ms | 66.5 | Other |
| DB CPU | | 378.4K | | 14.5 | |
| enq: TX - row lock contention | 243,316 | 235.8K | 969.10ms | 9.0 | Application |
| log file sync | 7,637,303 | 99.7K | 13.06ms | 3.8 | Commit |
| library cache: mutex X | 30,343,172 | 74.7K | 2.46ms | 2.9 | Concurrency |
| enq: TX - allocate ITL entry | 42,608 | 31.5K | 739.31ms | 1.2 | Configuration |
| db file sequential read | 14,429,716 | 26.4K | 1.83ms | 1.0 | User I/O |
| buffer busy waits | 2,154,315 | 11.2K | 5.21ms | .4 | Concurrency |
| enq: TX - index contention | 402,426 | 8841.1 | 21.97ms | .3 | Concurrency |
| latch: undo global data | 752,831 | 6098 | 8.10ms | .2 | Other |

### Wait Classes by Total Wait Time

| Wait Class | Waits | Total Wait Time (sec) | Avg Wait Time | % DB time | Avg Active Sessions |
|---|---|---|---|---|---|
| Other | 16,054,880 | 1,769,307 | 110.20ms | 67.6 | 490.9 |
| DB CPU | | 378,448 | | 14.5 | 105.0 |
| Application | 276,206 | 235,863 | 853.94ms | 9.0 | 65.4 |
| Concurrency | 35,311,895 | 101,636 | 2.88ms | 3.9 | 28.2 |
| Commit | 7,637,342 | 99,717 | 13.06ms | 3.8 | 27.7 |
| Configuration | 300,147 | 38,863 | 129.48ms | 1.5 | 10.8 |
| User I/O | 26,458,569 | 32,974 | 1.25ms | 1.3 | 9.1 |
| System I/O | 36,763,988 | 28,830 | 784.19us | 1.1 | 8.0 |
| Cluster | 3,555,496 | 9,127 | 2.57ms | .3 | 2.5 |
| Administrative | 231,556 | 8,079 | 34.89ms | .3 | 2.2 |
| Network | 1,192,862,994 | 7,034 | 5.90us | .3 | 2.0 |

### Host CPU

| CPUs | Cores | Sockets | Load Average Begin | Load Average End | %User | %System | %WIO | %Idle |
|---|---|---|---|---|---|---|---|---|
| 160 | 80 | 8 | 451.35 | 407.77 | 61.5 | 12.4 | 0.7 | 21.3 |

### Instance CPU

| %Total CPU | %Busy CPU | %DB time waiting for CPU (Resource Manager) |
|---|---|---|
| 69.3 | 88.1 | 0.0 |

### IO Profile

| | Read+Write Per Second | Read per Second | Write Per Second |
|---|---|---|---|
| Total Requests: | 15,958.8 | 5,235.8 | 10,723.0 |
| Database Requests: | 8,726.7 | 5,066.4 | 3,660.3 |
| Optimized Requests: | 0.0 | 0.0 | 0.0 |
| Redo Requests: | 6,989.8 | 55.4 | 6,934.4 |
| Total (MB): | 696.3 | 369.1 | 327.2 |
| Database (MB): | 351.7 | 246.9 | 104.8 |
| Optimized Total (MB): | 0.0 | 0.0 | 0.0 |
| Redo (MB): | 165.5 | 55.2 | 110.3 |
| Database (blocks): | 22,506.7 | 15,802.8 | 6,704.0 |
| Via Buffer Cache (blocks): | 10,548.9 | 4,166.9 | 6,382.0 |
| Direct (blocks): | 11,957.8 | 11,635.8 | 322.0 |

### Memory Statistics

| | Begin | End |
|---|---|---|
| Host Mem (MB): | 4,126,160.4 | 4,126,160.4 |
| SGA use (MB): | 1,166,336.0 | 1,166,336.0 |
| PGA use (MB): | 75,951.7 | 82,320.3 |
| % Host Mem used for SGA+PGA: | 30.11 | 30.26 |

### Database Resource Limits

| | Begin | End |
|---|---|---|
| CPUs: | 160 | 160 |
| SGA Target: | 0 | 0 |
| PGA Target: | 17,179,869,184 | 17,179,869,184 |
| Memory Target | 0 | 0 |

### Cache Sizes

| | Begin | End | | |
|---|---|---|---|---|
| Buffer Cache: | 1,053,184M | 1,053,184M | Std Block Size: | 16K |

| | | | | |
|---|---|---|---|---|
| Shared Pool Size: | 89,995M | 90,876M | Log Buffer: | 487,848K |
| In-Memory Area: | 0M | 0M | | |

**Shared Pool Statistics**

| | Begin | End |
|---|---|---|
| Memory Usage %: | 42.02 | 43.13 |
| % SQL with executions>1: | 96.41 | 96.30 |
| % Memory for SQL w/exec>1: | 93.51 | 94.23 |

# Main Report



# RAC Statistics



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# Wait Events Statistics



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# Time Model Statistics

- DB Time represents total time in user calls
- DB CPU represents CPU time of foreground processes
- Total CPU Time represents foreground and background processes
- Statistics including the word "background" measure background process time, therefore do not contribute to the DB time statistic
- Ordered by % of DB time in descending order, followed by Statistic Name

| Statistic Name | Time (s) | % of DB Time | % of Total CPU Time |
|---|---|---|---|
| sql execute elapsed time | 2,342,266.28 | 89.48 | |
| DB CPU | 378,448.32 | 14.46 | 96.57 |
| parse time elapsed | 21,077.33 | 0.81 | |
| RMAN cpu time (backup/restore) | 2,750.43 | 0.11 | 0.70 |
| PL/SQL execution elapsed time | 1,312.19 | 0.05 | |
| sequence load elapsed time | 821.94 | 0.03 | |

| | | | |
|---|---|---|---|
| connection management call elapsed time | 319.97 | 0.01 | |
| inbound PL/SQL rpc elapsed time | 203.69 | 0.01 | |
| repeated bind elapsed time | 2.07 | 0.00 | |
| hard parse elapsed time | 1.79 | 0.00 | |
| hard parse (sharing criteria) elapsed time | 0.82 | 0.00 | |
| hard parse (bind mismatch) elapsed time | 0.69 | 0.00 | |
| failed parse elapsed time | 0.63 | 0.00 | |
| PL/SQL compilation elapsed time | 0.08 | 0.00 | |
| DB time | 2,617,655.02 | | |
| background elapsed time | 63,865.77 | | |
| background cpu time | 13,422.30 | | 3.43 |
| total CPU time | 391,870.62 | | |

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# Operating System Statistics

- *TIME statistic values are diffed. All others display actual values. End Value is displayed if different
- ordered by statistic type (CPU Use, Virtual Memory, Hardware Config), Name

| Statistic | Value | End Value |
|---|---|---|
| FREE_MEMORY_BYTES | 544,930,639,872 | 536,278,974,464 |
| INACTIVE_MEMORY_BYTES | 155,167,293,440 | 156,655,656,960 |
| SWAP_FREE_BYTES | 4,294,963,200 | |
| BUSY_TIME | 44,496,149 | |
| IDLE_TIME | 12,046,231 | |
| IOWAIT_TIME | 374,071 | |
| NICE_TIME | 1,294 | |
| SYS_TIME | 7,008,805 | |
| USER_TIME | 34,795,715 | |
| LOAD | 451 | 408 |
| PHYSICAL_MEMORY_BYTES | 4,326,592,778,240 | |
| NUM_CPUS | 160 | |
| NUM_CPU_CORES | 80 | |
| NUM_CPU_SOCKETS | 8 | |
| GLOBAL_RECEIVE_SIZE_MAX | 16,777,216 | |
| GLOBAL_SEND_SIZE_MAX | 16,777,216 | |
| TCP_RECEIVE_SIZE_DEFAULT | 87,380 | |
| TCP_RECEIVE_SIZE_MAX | 16,777,216 | |
| TCP_RECEIVE_SIZE_MIN | 4,096 | |
| TCP_SEND_SIZE_DEFAULT | 65,536 | |
| TCP_SEND_SIZE_MAX | 16,777,216 | |
| TCP_SEND_SIZE_MIN | 4,096 | |

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# Operating System Statistics - Detail

| Snap Time | Load | %busy | %user | %sys | %idle | %iowait |
|---|---|---|---|---|---|---|
| 21-Oct 07:00:22 | 451.35 | | | | | |
| 21-Oct 07:15:23 | 436.57 | 79.59 | 61.90 | 12.77 | 20.41 | 0.63 |
| 21-Oct 07:30:04 | 395.03 | 79.09 | 61.91 | 12.27 | 20.91 | 0.65 |
| 21-Oct 07:45:17 | 411.91 | 77.21 | 60.64 | 11.98 | 22.79 | 0.73 |
| 21-Oct 08:00:26 | 407.77 | 78.92 | 61.73 | 12.56 | 21.08 | 0.64 |

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# Foreground Wait Class

- s - second, ms - millisecond, us - microsecond, ns - nanosecond
- ordered by wait time desc, waits desc
- %Timeouts: value of 0 indicates value was < .5%. Value of null is truly 0
- Captured Time accounts for 101.5% of Total DB time 2,617,655.02 (s)
- Total FG Wait Time: 2,278,299.84 (s) DB CPU time: 378,448.32 (s)

| Wait Class | Waits | %Time -outs | Total Wait Time (s) | Avg wait | %DB time |
|---|---|---|---|---|---|
| Other | 10,194,161 | 2 | 1,753,425 | 172.00ms | 66.98 |
| DB CPU | | | 378,448 | | 14.46 |
| Application | 275,077 | 0 | 235,854 | 857.41ms | 9.01 |

| | | | | | |
|---|---|---|---|---|---|
| Concurrency | 35,129,323 | 0 | 101,483 | 2.89ms | 3.88 |
| Commit | 7,637,303 | 0 | 99,716 | 13.06ms | 3.81 |
| Configuration | 257,301 | 4 | 38,640 | 150.18ms | 1.48 |
| User I/O | 25,857,024 | 0 | 32,900 | 1.27ms | 1.26 |
| Cluster | 3,526,659 | 0 | 9,058 | 2.57ms | 0.35 |
| Network | 1,192,845,029 | 0 | 7,033 | 5.90us | 0.27 |
| System I/O | 97,396 | 0 | 160 | 1.65ms | 0.01 |
| Administrative | 47 | 0 | 30 | 648.79ms | 0.00 |

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# Foreground Wait Events

- s - second, ms - millisecond, us - microsecond, ns - nanosecond
- Only events with Total Wait Time (s) >= .001 are shown
- ordered by wait time desc, waits desc (idle events last)
- %Timeouts: value of 0 indicates value was < .5%. Value of null is truly 0

| Event | Waits | %Time -outs | Total Wait Time (s) | Avg wait | Waits /txn | % DB time |
|---|---|---|---|---|---|---|
| latch: ges resource hash list | 7,464,114 | | 1,741,966 | 233.38ms | 0.19 | 66.55 |
| enq: TX - row lock contention | 243,316 | | 235,796 | 969.10ms | 0.01 | 9.01 |
| log file sync | 7,637,303 | | 99,716 | 13.06ms | 0.20 | 3.81 |
| library cache: mutex X | 30,343,172 | | 74,722 | 2.46ms | 0.78 | 2.85 |
| enq: TX - allocate ITL entry | 42,608 | 24 | 31,500 | 739.31ms | 0.00 | 1.20 |
| db file sequential read | 14,429,716 | | 26,367 | 1.83ms | 0.37 | 1.01 |
| buffer busy waits | 2,154,315 | | 11,220 | 5.21ms | 0.06 | 0.43 |
| enq: TX - index contention | 402,426 | | 8,841 | 21.97ms | 0.01 | 0.34 |
| latch: undo global data | 752,831 | | 6,098 | 8.10ms | 0.02 | 0.23 |
| gc current grant read-mostly invalidation | 1,751,065 | | 5,839 | 3.33ms | 0.04 | 0.22 |
| enq: SV - contention | 140,338 | | 4,816 | 34.32ms | 0.00 | 0.18 |
| direct path read | 2,401,883 | | 4,663 | 1.94ms | 0.06 | 0.18 |
| latch: cache buffers chains | 1,569,138 | | 4,654 | 2.97ms | 0.04 | 0.18 |
| SQL*Net more data to client | 148,803,392 | | 3,722 | 25.02us | 3.81 | 0.14 |
| latch free | 731,271 | | 3,678 | 5.03ms | 0.02 | 0.14 |
| SQL*Net more data from client | 1,450,572 | | 2,211 | 1.52ms | 0.04 | 0.08 |
| log file switch completion | 22,252 | | 1,736 | 78.02ms | 0.00 | 0.07 |
| gc current grant 2-way | 729,341 | | 1,496 | 2.05ms | 0.02 | 0.06 |
| direct path write | 560,086 | | 1,133 | 2.02ms | 0.01 | 0.04 |
| SQL*Net message to client | 1,042,016,976 | | 1,081 | 1.04us | 26.67 | 0.04 |
| cursor: pin S | 380,087 | | 1,000 | 2.63ms | 0.01 | 0.04 |
| gc cr grant 2-way | 540,040 | | 890 | 1.65ms | 0.01 | 0.03 |
| library cache: bucket mutex X | 202,491 | | 666 | 3.29ms | 0.01 | 0.03 |
| enq: HW - contention | 45,804 | | 470 | 10.27ms | 0.00 | 0.02 |
| DLM cross inst call completion | 106,235 | 50 | 356 | 3.35ms | 0.00 | 0.01 |
| gc cr multi block mixed | 273,214 | | 348 | 1.27ms | 0.01 | 0.01 |
| db file scattered read | 140,279 | | 260 | 1.85ms | 0.00 | 0.01 |
| read by other session | 61,441 | | 209 | 3.40ms | 0.00 | 0.01 |
| latch: enqueue hash chains | 14,096 | | 202 | 14.33ms | 0.00 | 0.01 |
| row cache lock | 49,019 | 100 | 189 | 3.85ms | 0.00 | 0.01 |
| PX Deq: Table Q Get Keys | 32 | | 180 | 5631.53ms | 0.00 | 0.01 |
| gc current block 2-way | 144,806 | | 176 | 1.22ms | 0.00 | 0.01 |
| enq: FB - contention | 44,915 | | 166 | 3.69ms | 0.00 | 0.01 |
| control file sequential read | 97,300 | | 160 | 1.65ms | 0.00 | 0.01 |
| Disk file operations I/O | 1,178,649 | | 157 | 133.08us | 0.03 | 0.01 |
| wait list latch free | 17,830 | | 135 | 7.54ms | 0.00 | 0.01 |
| gc cr multi block grant | 48,350 | | 119 | 2.47ms | 0.00 | 0.00 |
| enq: SQ - contention | 5,984 | | 114 | 19.08ms | 0.00 | 0.00 |
| latch: MGA shared context latch | 261 | | 110 | 419.65ms | 0.00 | 0.00 |
| Sync ASM rebalance | 10,744 | | 96 | 8.94ms | 0.00 | 0.00 |
| gc current multi block request | 19,091 | | 84 | 4.42ms | 0.00 | 0.00 |
| db file parallel read | 24,945 | | 79 | 3.15ms | 0.00 | 0.00 |
| latch: redo allocation | 8,751 | | 75 | 8.55ms | 0.00 | 0.00 |
| enq: WL - contention | 3 | | 67 | 22.47 s | 0.00 | 0.00 |
| gc buffer busy acquire | 8,119 | 0 | 66 | 8.11ms | 0.00 | 0.00 |
| recovery area: computing obsolete files | 4 | | 65 | 16.25 s | 0.00 | 0.00 |
| row cache mutex | 26,498 | | 63 | 2.38ms | 0.00 | 0.00 |
| KJC: Wait for msg sends to complete | 49,970 | | 56 | 1.13ms | 0.00 | 0.00 |
| enq: TX - contention | 548 | 5 | 49 | 89.98ms | 0.00 | 0.00 |
| buffer deadlock | 21,190 | 100 | 44 | 2.06ms | 0.00 | 0.00 |
| PGA memory operation | 847,723 | | 41 | 48.76us | 0.02 | 0.00 |
| SQL*Net break/reset to client | 31,638 | | 35 | 1.11ms | 0.00 | 0.00 |
| gc current grant busy | 12,033 | | 31 | 2.61ms | 0.00 | 0.00 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Backup: MML extended initialization | 22 | | 30 | 1372.37ms | 0.00 | 0.00 |
| latch: cache buffers lru chain | 11,099 | | 29 | 2.63ms | 0.00 | 0.00 |
| reliable message | 740 | | 28 | 38.12ms | 0.00 | 0.00 |
| enq: KO - fast object checkpoint | 71 | | 21 | 300.67ms | 0.00 | 0.00 |
| PX Deq: Slave Session Stats | 3,009 | | 21 | 7.09ms | 0.00 | 0.00 |
| SQL*Net vector data to client | 524,800 | | 18 | 33.52us | 0.01 | 0.00 |
| ASM IO for non-blocking poll | 7,052,388 | | 17 | 2.42us | 0.18 | 0.00 |
| library cache lock | 714 | 37 | 14 | 20.29ms | 0.00 | 0.00 |
| global enqueue expand wait | 6,403 | | 12 | 1.93ms | 0.00 | 0.00 |
| PX Deq: Join ACK | 1,610 | | 9 | 5.29ms | 0.00 | 0.00 |
| enq: US - contention | 207 | | 7 | 35.80ms | 0.00 | 0.00 |
| direct path write temp | 4,343 | | 7 | 1.66ms | 0.00 | 0.00 |
| direct path read temp | 3,294 | | 7 | 2.13ms | 0.00 | 0.00 |
| latch: object queue header operation | 845 | | 6 | 7.55ms | 0.00 | 0.00 |
| CSS initialization | 503 | | 5 | 9.10ms | 0.00 | 0.00 |
| oracle thread bootstrap | 60 | | 4 | 69.82ms | 0.00 | 0.00 |
| enq: PS - contention | 1,088 | 12 | 4 | 3.65ms | 0.00 | 0.00 |
| PX Deq: Signal ACK EXT | 1,612 | | 3 | 1.86ms | 0.00 | 0.00 |
| gc buffer busy release | 125 | | 3 | 21.87ms | 0.00 | 0.00 |
| IPC send completion sync | 1,394 | | 3 | 1.84ms | 0.00 | 0.00 |
| latch: messages | 310 | | 2 | 7.96ms | 0.00 | 0.00 |
| write complete waits | 65 | | 2 | 29.79ms | 0.00 | 0.00 |
| PX Deq: reap credit | 52,571 | 100 | 2 | 34.81us | 0.00 | 0.00 |
| latch: shared pool | 674 | | 2 | 2.54ms | 0.00 | 0.00 |
| inactive session | 6 | | 2 | 266.55ms | 0.00 | 0.00 |
| ASM file metadata operation | 324 | | 2 | 4.91ms | 0.00 | 0.00 |
| latch: redo writing | 250 | | 2 | 6.12ms | 0.00 | 0.00 |
| recovery area: computing backed up files | 4 | | 1 | 360.72ms | 0.00 | 0.00 |
| CSS operation: action | 504 | | 1 | 2.70ms | 0.00 | 0.00 |
| library cache pin | 283 | | 1 | 4.76ms | 0.00 | 0.00 |
| latch: checkpoint queue latch | 148 | | 1 | 7.60ms | 0.00 | 0.00 |
| recovery area: computing dropped files | 4 | | 1 | 280.55ms | 0.00 | 0.00 |
| CSS operation: query | 1,416 | | 1 | 761.79us | 0.00 | 0.00 |
| IPC group service call | 49,289 | | 1 | 18.38us | 0.00 | 0.00 |
| gc current grant congested | 66 | | 1 | 13.45ms | 0.00 | 0.00 |
| latch: gc element | 191 | | 1 | 4.63ms | 0.00 | 0.00 |
| name-service call wait | 122 | | 1 | 6.75ms | 0.00 | 0.00 |
| gc cr block 2-way | 116 | | 1 | 6.60ms | 0.00 | 0.00 |
| gc cr grant congested | 61 | | 1 | 11.17ms | 0.00 | 0.00 |
| gc current block busy | 204 | | 1 | 3.12ms | 0.00 | 0.00 |
| enq: PR - contention | 3 | | 1 | 197.03ms | 0.00 | 0.00 |
| enq: RO - fast object reuse | 52 | | 1 | 11.11ms | 0.00 | 0.00 |
| enq: DA - Slave Process Array | 2 | | 1 | 286.59ms | 0.00 | 0.00 |
| KSV master wait | 16 | | 0 | 30.44ms | 0.00 | 0.00 |
| transaction | 8,407 | | 0 | 57.46us | 0.00 | 0.00 |
| rdbms ipc reply | 112 | | 0 | 4.27ms | 0.00 | 0.00 |
| JS kgl get object wait | 3 | | 0 | 100.24ms | 0.00 | 0.00 |
| enq: CF - contention | 25 | | 0 | 11.28ms | 0.00 | 0.00 |
| PX qref latch | 23,993 | 100 | 0 | 10.04us | 0.00 | 0.00 |
| cursor: mutex S | 118 | | 0 | 1.96ms | 0.00 | 0.00 |
| control file parallel write | 90 | | 0 | 2.14ms | 0.00 | 0.00 |
| row cache read | 66 | | 0 | 2.85ms | 0.00 | 0.00 |
| CSS operation: data query | 186 | | 0 | .98ms | 0.00 | 0.00 |
| enq: TO - contention | 29 | | 0 | 3.83ms | 0.00 | 0.00 |
| latch: kjci process context latch | 51 | | 0 | 1.99ms | 0.00 | 0.00 |
| CSS group membership query | 93 | | 0 | 943.52us | 0.00 | 0.00 |
| library cache load lock | 57 | | 0 | 1.52ms | 0.00 | 0.00 |
| redo log switch request completion | 2 | | 0 | 37.55ms | 0.00 | 0.00 |
| gc cr disk read | 18 | | 0 | 3.66ms | 0.00 | 0.00 |
| latch: parallel query alloc buffer | 18 | | 0 | 3.58ms | 0.00 | 0.00 |
| gc cr block busy | 6 | | 0 | 10.58ms | 0.00 | 0.00 |
| DFS lock handle | 28 | 50 | 0 | 1.95ms | 0.00 | 0.00 |
| latch: active service list | 29 | | 0 | 1.59ms | 0.00 | 0.00 |
| latch: call allocation | 30 | | 0 | 1.51ms | 0.00 | 0.00 |
| latch: session allocation | 89 | | 0 | 465.87us | 0.00 | 0.00 |
| cursor: pin S wait on X | 2 | | 0 | 18.80ms | 0.00 | 0.00 |
| gc current block congested | 4 | | 0 | 9.09ms | 0.00 | 0.00 |
| latch: lob segment hash table latch | 25 | | 0 | 1.19ms | 0.00 | 0.00 |
| latch: lob segment dispenser latch | 32 | | 0 | 812.91us | 0.00 | 0.00 |
| asynch descriptor resize | 2,322 | 100 | 0 | 10.19us | 0.00 | 0.00 |
| ges inquiry response | 4 | | 0 | 4.55ms | 0.00 | 0.00 |
| log file sequential read | 6 | | 0 | 2.26ms | 0.00 | 0.00 |

| | | | | | | |
|---|---|---|---|---|---|---|
| latch: cache buffer handles | 6 | | 0 | 2.11ms | 0.00 | 0.00 |
| enq: JS - job run lock - synchronize | 4 | 100 | 0 | 2.68ms | 0.00 | 0.00 |
| ges resource directory to be unfrozen | 4,217 | | 0 | 1.13us | 0.00 | 0.00 |
| enq: KI - contention | 4 | | 0 | 1.08ms | 0.00 | 0.00 |
| lock escalate retry | 2 | 100 | 0 | 1.83ms | 0.00 | 0.00 |
| latch: MGA heap latch | 1 | | 0 | 2.11ms | 0.00 | 0.00 |
| cursor: mutex X | 1 | | 0 | 1.07ms | 0.00 | 0.00 |
| SQL*Net message from client | 1,030,295,414 | | 40,645,292 | 39.45ms | 26.37 | |
| watchdog main loop | 24,023 | | 72,081 | 3000.52ms | 0.00 | |
| jobq slave wait | 11,075 | 99 | 5,522 | 498.56ms | 0.00 | |
| PL/SQL lock timer | 59 | 100 | 3,540 | 60.00 s | 0.00 | |
| PX Deq: Execute Reply | 20,791 | | 827 | 39.79ms | 0.00 | |
| PX Deq: Execution Msg | 8,141 | | 364 | 44.68ms | 0.00 | |
| PX Deq: Table Q Sample | 32 | | 260 | 8118.95ms | 0.00 | |
| PX Deq: Table Q Normal | 267 | | 174 | 649.84ms | 0.00 | |
| PX Deq Credit: send blkd | 3,436 | | 11 | 3.21ms | 0.00 | |
| PX Deq Credit: need buffer | 1,546 | | 6 | 3.98ms | 0.00 | |
| PX Deq: Parse Reply | 1,610 | | 5 | 3.07ms | 0.00 | |
| PX Deq: Msg Fragment | 2,143 | | 4 | 2.07ms | 0.00 | |

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# Background Wait Events

- ordered by wait time desc, waits desc (idle events last)
- Only events with Total Wait Time (s) >= .001 are shown
- %Timeouts: value of 0 indicates value was < .5%. Value of null is truly 0

| Event | Waits | %Time -outs | Total Wait Time (s) | Avg wait | Waits /txn | % bg time |
|---|---|---|---|---|---|---|
| db file parallel write | 10,854,786 | 0 | 18,254 | 1.68ms | 0.28 | 28.58 |
| LGWR intra group sync | 2,627,288 | 0 | 8,143 | 3.10ms | 0.07 | 12.75 |
| log file parallel write | 3,946,858 | 0 | 8,025 | 2.03ms | 0.10 | 12.57 |
| Backup: MML write backup piece | 231,353 | 0 | 7,335 | 31.71ms | 0.01 | 11.49 |
| LGWR any worker group | 1,153,845 | 0 | 3,234 | 2.80ms | 0.03 | 5.06 |
| LGWR intra group IO completion | 828,526 | 0 | 1,780 | 2.15ms | 0.02 | 2.79 |
| LGWR worker group ordering | 395,522 | 0 | 1,327 | 3.36ms | 0.01 | 2.08 |
| db file async I/O submit | 21,624,280 | 0 | 1,118 | 51.69us | 0.55 | 1.75 |
| Log archive I/O | 198,370 | 0 | 1,113 | 5.61ms | 0.01 | 1.74 |
| DLM cross inst call completion | 240,232 | 50 | 597 | 2.49ms | 0.01 | 0.94 |
| Backup: MML create a backup piece | 21 | 0 | 314 | 14.95 s | 0.00 | 0.49 |
| Backup: MML query backup piece | 42 | 0 | 304 | 7239.37ms | 0.00 | 0.48 |
| latch: redo writing | 42,832 | 0 | 222 | 5.18ms | 0.00 | 0.35 |
| latch free | 90,232 | 0 | 182 | 2.01ms | 0.00 | 0.28 |
| oracle thread bootstrap | 309 | 0 | 93 | 300.25ms | 0.00 | 0.15 |
| latch: MGA shared context root latch | 1,831 | 0 | 91 | 49.89ms | 0.00 | 0.14 |
| Backup: MML shutdown | 24 | 0 | 73 | 3048.43ms | 0.00 | 0.11 |
| KSV master wait | 10,315 | 33 | 67 | 6.52ms | 0.00 | 0.11 |
| ASM file metadata operation | 154,457 | 0 | 67 | 433.94us | 0.00 | 0.10 |
| control file sequential read | 27,889 | 0 | 66 | 2.35ms | 0.00 | 0.10 |
| latch: redo allocation | 49,591 | 0 | 61 | 1.24ms | 0.00 | 0.10 |
| LGWR wait for redo copy | 19,532 | 0 | 56 | 2.89ms | 0.00 | 0.09 |
| reliable message | 940 | 0 | 48 | 51.43ms | 0.00 | 0.08 |
| latch: cache buffers lru chain | 14,671 | 0 | 44 | 3.00ms | 0.00 | 0.07 |
| RMAN backup & recovery I/O | 5,445 | 0 | 44 | 8.00ms | 0.00 | 0.07 |
| log file sequential read | 3,570 | 0 | 31 | 8.60ms | 0.00 | 0.05 |
| Sync ASM rebalance | 2,652 | 0 | 28 | 10.70ms | 0.00 | 0.04 |
| db file sequential read | 14,013 | 0 | 25 | 1.77ms | 0.00 | 0.04 |
| gc current grant 2-way | 6,472 | 0 | 25 | 3.80ms | 0.00 | 0.04 |
| os thread creation | 369 | 0 | 24 | 65.20ms | 0.00 | 0.04 |
| ASM IO for non-blocking poll | 573,645 | 0 | 22 | 38.69us | 0.01 | 0.03 |
| Backup: MML extended initialization | 14 | 0 | 20 | 1413.00ms | 0.00 | 0.03 |
| latch: MGA shared context latch | 1,382 | 0 | 19 | 13.74ms | 0.00 | 0.03 |
| control file parallel write | 4,752 | 0 | 18 | 3.75ms | 0.00 | 0.03 |
| gc cr block 2-way | 9,964 | 0 | 18 | 1.77ms | 0.00 | 0.03 |
| IMR slave acknowledgement msg | 10,767 | 0 | 17 | 1.53ms | 0.00 | 0.03 |
| process diagnostic dump | 2 | 0 | 16 | 7951.71ms | 0.00 | 0.02 |
| row cache lock | 1,321 | 100 | 16 | 11.92ms | 0.00 | 0.02 |
| row cache mutex | 2,960 | 0 | 16 | 5.29ms | 0.00 | 0.02 |
| oradebug request completion | 41 | 0 | 14 | 341.04ms | 0.00 | 0.02 |
| Disk file operations I/O | 10,668 | 0 | 12 | 1.12ms | 0.00 | 0.02 |
| gc current grant busy | 4,014 | 0 | 10 | 2.37ms | 0.00 | 0.01 |
| enq: CF - contention | 638 | 66 | 9 | 13.74ms | 0.00 | 0.01 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Data file init write | 1,629 | 0 | 8 | 4.85ms | 0.00 | 0.01 |
| enq: RO - fast object reuse | 793 | 0 | 8 | 9.46ms | 0.00 | 0.01 |
| gcs log flush sync | 4,242 | 0 | 7 | 1.66ms | 0.00 | 0.01 |
| latch: object queue header operation | 711 | 0 | 6 | 9.00ms | 0.00 | 0.01 |
| latch: gc element | 832 | 0 | 5 | 6.06ms | 0.00 | 0.01 |
| latch: cache buffers chains | 1,493 | 0 | 5 | 3.34ms | 0.00 | 0.01 |
| enq: XR - database force logging | 1,155 | 0 | 5 | 4.24ms | 0.00 | 0.01 |
| gc cr disk read | 2,083 | 0 | 5 | 2.29ms | 0.00 | 0.01 |
| latch: messages | 2,584 | 0 | 5 | 1.81ms | 0.00 | 0.01 |
| direct path write | 550 | 0 | 4 | 7.98ms | 0.00 | 0.01 |
| gc cr grant 2-way | 2,762 | 0 | 4 | 1.43ms | 0.00 | 0.01 |
| enq: CR - block range reuse ckpt | 766 | 0 | 4 | 5.05ms | 0.00 | 0.01 |
| gc current block 2-way | 1,751 | 0 | 4 | 2.16ms | 0.00 | 0.01 |
| DFS lock handle | 1,495 | 100 | 3 | 2.30ms | 0.00 | 0.01 |
| PX Deq: reap credit | 110,036 | 100 | 3 | 28.96us | 0.00 | 0.00 |
| latch: checkpoint queue latch | 1,375 | 0 | 3 | 2.30ms | 0.00 | 0.00 |
| library cache: mutex X | 1,101 | 0 | 3 | 2.84ms | 0.00 | 0.00 |
| PGA memory operation | 41,256 | 0 | 3 | 71.08us | 0.00 | 0.00 |
| PX Deq: Join ACK | 466 | 0 | 3 | 6.27ms | 0.00 | 0.00 |
| gc current block busy | 1,155 | 0 | 3 | 2.47ms | 0.00 | 0.00 |
| buffer busy waits | 732 | 0 | 2 | 2.97ms | 0.00 | 0.00 |
| Backup: MML commit backup piece | 17 | 0 | 2 | 122.30ms | 0.00 | 0.00 |
| CSS initialization | 90 | 0 | 2 | 22.15ms | 0.00 | 0.00 |
| LGWR all worker groups | 457 | 0 | 2 | 4.25ms | 0.00 | 0.00 |
| enq: TX - contention | 15 | 0 | 2 | 124.58ms | 0.00 | 0.00 |
| latch: undo global data | 265 | 0 | 2 | 6.98ms | 0.00 | 0.00 |
| enq: PW - flush prewarm buffers | 300 | 100 | 2 | 5.79ms | 0.00 | 0.00 |
| enq: JG - queue lock | 78 | 0 | 2 | 22.23ms | 0.00 | 0.00 |
| KJC: Wait for msg sends to complete | 1,152 | 0 | 2 | 1.44ms | 0.00 | 0.00 |
| gc cr multi block mixed | 491 | 0 | 2 | 3.23ms | 0.00 | 0.00 |
| direct path write temp | 535 | 0 | 1 | 2.74ms | 0.00 | 0.00 |
| latch: gcs resource hash | 542 | 0 | 1 | 2.46ms | 0.00 | 0.00 |
| process terminate | 12 | 0 | 1 | 97.84ms | 0.00 | 0.00 |
| enq: PS - contention | 274 | 13 | 1 | 3.70ms | 0.00 | 0.00 |
| CGS wait for IPC msg | 40,471 | 100 | 1 | 23.19us | 0.00 | 0.00 |
| CSS operation: action | 486 | 0 | 1 | 1.92ms | 0.00 | 0.00 |
| enq: KI - contention | 277 | 0 | 1 | 3.20ms | 0.00 | 0.00 |
| direct path read | 42 | 0 | 1 | 20.31ms | 0.00 | 0.00 |
| log file switch completion | 8 | 0 | 1 | 99.30ms | 0.00 | 0.00 |
| log file sync | 39 | 0 | 1 | 20.02ms | 0.00 | 0.00 |
| AQ: RAC AQ Network | 35,834 | 100 | 1 | 21.15us | 0.00 | 0.00 |
| PX Deq: Signal ACK EXT | 468 | 0 | 1 | 1.42ms | 0.00 | 0.00 |
| db file scattered read | 226 | 0 | 1 | 2.74ms | 0.00 | 0.00 |
| IPC send completion sync | 3,836 | 94 | 1 | 142.24us | 0.00 | 0.00 |
| enq: PR - contention | 3 | 0 | 0 | 165.70ms | 0.00 | 0.00 |
| latch: shared pool | 124 | 0 | 0 | 3.91ms | 0.00 | 0.00 |
| control file single write | 172 | 0 | 0 | 2.68ms | 0.00 | 0.00 |
| PX Deq: Slave Session Stats | 468 | 0 | 0 | .96ms | 0.00 | 0.00 |
| enq: DA - Slave Process Array | 1 | 0 | 0 | 421.46ms | 0.00 | 0.00 |
| name-service call wait | 123 | 0 | 0 | 3.31ms | 0.00 | 0.00 |
| latch: active service list | 49 | 0 | 0 | 8.29ms | 0.00 | 0.00 |
| latch: kjci process context latch | 211 | 0 | 0 | 1.84ms | 0.00 | 0.00 |
| ges LMD suspend for testing event | 4 | 0 | 0 | 96.93ms | 0.00 | 0.00 |
| IPC group service call | 4,673 | 0 | 0 | 72.30us | 0.00 | 0.00 |
| enq: RS - prevent file delete | 72 | 100 | 0 | 4.55ms | 0.00 | 0.00 |
| latch: ges resource hash list | 161 | 0 | 0 | 1.98ms | 0.00 | 0.00 |
| local write wait | 24 | 0 | 0 | 12.59ms | 0.00 | 0.00 |
| enq: FB - contention | 61 | 0 | 0 | 4.85ms | 0.00 | 0.00 |
| gc current multi block request | 81 | 0 | 0 | 3.54ms | 0.00 | 0.00 |
| kfk: async disk IO | 203 | 0 | 0 | 1.39ms | 0.00 | 0.00 |
| latch: enqueue hash chains | 67 | 0 | 0 | 3.80ms | 0.00 | 0.00 |
| library cache: bucket mutex X | 13 | 0 | 0 | 19.20ms | 0.00 | 0.00 |
| ADR block file write | 24 | 0 | 0 | 10.22ms | 0.00 | 0.00 |
| enq: TM - contention | 16 | 0 | 0 | 14.59ms | 0.00 | 0.00 |
| gc cr block busy | 28 | 0 | 0 | 8.03ms | 0.00 | 0.00 |
| libcache interrupt action by LCK | 171,485 | 0 | 0 | 1.26us | 0.00 | 0.00 |
| enq: WF - contention | 76 | 0 | 0 | 2.83ms | 0.00 | 0.00 |
| ksxr poll remote instances | 7,276 | 100 | 0 | 28.99us | 0.00 | 0.00 |
| enq: CT - state | 65 | 0 | 0 | 2.98ms | 0.00 | 0.00 |
| log file single write | 96 | 0 | 0 | 2.01ms | 0.00 | 0.00 |
| enq: TX - index contention | 71 | 0 | 0 | 2.67ms | 0.00 | 0.00 |
| ADR block file read | 40 | 0 | 0 | 4.37ms | 0.00 | 0.00 |

| | | | | | | |
|---|---|---|---|---|---|---|
| CSS operation: query | 258 | 0 | 0 | 574.24us | 0.00 | 0.00 |
| CSS group registration | 12 | 0 | 0 | 10.61ms | 0.00 | 0.00 |
| Backup: MML delete backup piece | 25 | 0 | 0 | 4.08ms | 0.00 | 0.00 |
| ges inquiry response | 33 | 0 | 0 | 3.03ms | 0.00 | 0.00 |
| ges message buffer allocation | 22 | 0 | 0 | 4.40ms | 0.00 | 0.00 |
| CSS operation: data query | 30 | 0 | 0 | 2.92ms | 0.00 | 0.00 |
| CSS operation: data update | 30 | 0 | 0 | 2.76ms | 0.00 | 0.00 |
| SQL*Net break/reset to client | 16 | 0 | 0 | 5.08ms | 0.00 | 0.00 |
| db file single write | 65 | 0 | 0 | 1.18ms | 0.00 | 0.00 |
| gc cr multi block grant | 22 | 0 | 0 | 3.43ms | 0.00 | 0.00 |
| latch: call allocation | 22 | 0 | 0 | 2.35ms | 0.00 | 0.00 |
| enq: TD - KTF dump entries | 8 | 0 | 0 | 6.12ms | 0.00 | 0.00 |
| enq: HW - contention | 7 | 0 | 0 | 6.80ms | 0.00 | 0.00 |
| enq: SM - contention | 12 | 0 | 0 | 3.13ms | 0.00 | 0.00 |
| enq: TA - contention | 12 | 0 | 0 | 2.94ms | 0.00 | 0.00 |
| enq: WL - contention | 12 | 100 | 0 | 2.87ms | 0.00 | 0.00 |
| SQL*Net message to client | 13,292 | 0 | 0 | 2.51us | 0.00 | 0.00 |
| row cache read | 7 | 0 | 0 | 4.49ms | 0.00 | 0.00 |
| wait list latch free | 17 | 0 | 0 | 1.75ms | 0.00 | 0.00 |
| gc current retry | 2 | 0 | 0 | 14.42ms | 0.00 | 0.00 |
| latch: MGA heap latch | 30 | 0 | 0 | 807.83us | 0.00 | 0.00 |
| enq: DW - contention | 6 | 100 | 0 | 3.98ms | 0.00 | 0.00 |
| latch: lob segment hash table latch | 13 | 0 | 0 | 1.65ms | 0.00 | 0.00 |
| gc buffer busy release | 5 | 0 | 0 | 4.10ms | 0.00 | 0.00 |
| datafile move cleanup during resize | 65 | 0 | 0 | 266.38us | 0.00 | 0.00 |
| direct path sync | 146 | 0 | 0 | 111.05us | 0.00 | 0.00 |
| cursor: pin S | 11 | 0 | 0 | 1.28ms | 0.00 | 0.00 |
| gc current grant congested | 1 | 0 | 0 | 13.11ms | 0.00 | 0.00 |
| library cache lock | 5 | 0 | 0 | 2.50ms | 0.00 | 0.00 |
| kjctssqmg: quick message send wait | 4 | 100 | 0 | 2.97ms | 0.00 | 0.00 |
| asynch descriptor resize | 1,330 | 100 | 0 | 8.40us | 0.00 | 0.00 |
| enq: TO - contention | 4 | 0 | 0 | 2.58ms | 0.00 | 0.00 |
| enq: KO - fast object checkpoint | 4 | 0 | 0 | 2.52ms | 0.00 | 0.00 |
| ADR file lock | 46 | 0 | 0 | 205.63us | 0.00 | 0.00 |
| enq: AF - task serialization | 3 | 0 | 0 | 3.07ms | 0.00 | 0.00 |
| get branch/thread/sequence enqueue | 94 | 0 | 0 | 93.95us | 0.00 | 0.00 |
| db file parallel read | 5 | 0 | 0 | 1.57ms | 0.00 | 0.00 |
| library cache pin | 5 | 0 | 0 | 1.49ms | 0.00 | 0.00 |
| enq: MW - contention | 2 | 0 | 0 | 2.86ms | 0.00 | 0.00 |
| Parameter File I/O | 2 | 0 | 0 | 2.63ms | 0.00 | 0.00 |
| gc buffer busy acquire | 1 | 0 | 0 | 5.10ms | 0.00 | 0.00 |
| enq: DR - contention | 2 | 0 | 0 | 1.50ms | 0.00 | 0.00 |
| Space Manager: slave idle wait | 516,151 | 0 | 672,828 | 1303.55ms | 0.01 | |
| rdbms ipc message | 708,336 | 12 | 111,645 | 157.62ms | 0.02 | |
| LMS CR slave timer | 6,319,096 | 0 | 64,751 | 10.25ms | 0.16 | |
| gcs yield cpu | 2,144,183 | 100 | 64,669 | 30.16ms | 0.05 | |
| gcs remote message | 11,677,689 | 0 | 64,114 | 5.49ms | 0.30 | |
| PX Idle Wait | 1,461 | 0 | 53,296 | 36.48 s | 0.00 | |
| SQL*Net message from client | 17,337 | 0 | 33,522 | 1933.55ms | 0.00 | |
| class slave wait | 48,770 | 71 | 25,982 | 532.74ms | 0.00 | |
| pmon timer | 8,454 | 98 | 25,085 | 2967.28ms | 0.00 | |
| EMON slave idle wait | 3,602 | 100 | 18,012 | 5000.45ms | 0.00 | |
| ges remote message | 1,158,376 | 0 | 14,127 | 12.20ms | 0.03 | |
| wait for unread message on broadcast channel | 5,521 | 100 | 10,812 | 1958.39ms | 0.00 | |
| GCR sleep | 20,430 | 0 | 6,631 | 324.57ms | 0.00 | |
| DIAG idle wait | 107,533 | 26 | 5,384 | 50.06ms | 0.00 | |
| Data Guard: Gap Manager | 61 | 0 | 3,660 | 60.00 s | 0.00 | |
| Streams AQ: qmn coordinator idle wait | 265 | 0 | 3,613 | 13.63 s | 0.00 | |
| Streams AQ: qmn slave idle wait | 134 | 0 | 3,612 | 26.96 s | 0.00 | |
| ASM cluster membership changes | 2,060 | 88 | 3,607 | 1750.78ms | 0.00 | |
| OFS idle | 1,201 | 100 | 3,604 | 3000.86ms | 0.00 | |
| pman timer | 1,201 | 100 | 3,604 | 3000.66ms | 0.00 | |
| heartbeat redo informer | 39,797 | 0 | 3,604 | 90.55ms | 0.00 | |
| REPL Capture/Apply: RAC AQ qmn coordinator | 76 | 100 | 3,603 | 47.41 s | 0.00 | |
| lreg timer | 1,199 | 100 | 3,602 | 3003.80ms | 0.00 | |
| PING | 2,486 | 21 | 3,601 | 1448.39ms | 0.00 | |
| Streams AQ: emn coordinator idle wait | 360 | 100 | 3,601 | 10.00 s | 0.00 | |
| Data Guard: Timer | 120 | 0 | 3,600 | 30.00 s | 0.00 | |
| AQPC idle | 120 | 100 | 3,600 | 30.00 s | 0.00 | |
| smon timer | 12 | 100 | 3,600 | 300.00 s | 0.00 | |
| ASM background timer | 145,261 | 0 | 3,599 | 24.77ms | 0.00 | |
| SCM slave idle | 36,009 | 0 | 3,499 | 97.18ms | 0.00 | |
| PX Deq: Execute Reply | 7,044 | 0 | 2,135 | 303.04ms | 0.00 | |

| | | | | | |
|---|---|---|---|---|---|
| LGWR worker group idle | 1,073,267 | 0 | 1,533 | 1.43ms | 0.03 |
| PX Deq Credit: send blkd | 1,807 | 0 | 4 | 2.41ms | 0.00 |
| PX Deq: Parse Reply | 466 | 0 | 4 | 7.77ms | 0.00 |
| heartbeat monitor sleep | 17 | 0 | 2 | 108.00ms | 0.00 |
| PX Deq Credit: need buffer | 51 | 0 | 0 | 1.58ms | 0.00 |
| RMA: IPC0 completion sync | 4,046 | 0 | 0 | 11.47us | 0.00 |

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# Wait Event Histogram

- Units for Total Waits column: K is 1000, M is 1000000, G is 1000000000
- Units for % of Total Waits: us is microseconds
- % of Total Waits: value of .0 indicates value was <.05%; value of null is truly 0
- Ordered by Event (idle events last)

| | | % of Total Waits | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Event | Total Waits | <8us | <16us | <32us | <64us | <128us | <256us | <512us | >=512us |
| ADR block file read | 40 | | | | | | | | 100.0 |
| ADR block file write | 24 | | | | | | | | 100.0 |
| ADR file lock | 46 | 4.3 | 32.6 | 10.9 | 2.2 | 13.0 | 21.7 | 10.9 | 4.3 |
| AQ: RAC AQ Network | 35.8K | 2.2 | 18.7 | 74.1 | 4.3 | .6 | .1 | .0 | .1 |
| ASM IO for non-blocking poll | 7.6M | 91.4 | 5.3 | 2.6 | .5 | .1 | .0 | .0 | .1 |
| ASM background starting | 7 | 100.0 | | | | | | | |
| ASM file metadata operation | 155.1K | 87.3 | 4.5 | 1.4 | .5 | .3 | .9 | 2.1 | 3.0 |
| AWR Flush | 26 | 96.2 | 3.8 | | | | | | |
| Backup: MML commit backup piece | 17 | | | | | | | | 100.0 |
| Backup: MML create a backup piece | 21 | | | | | | | | 100.0 |
| Backup: MML delete backup piece | 25 | | | | | | | | 100.0 |
| Backup: MML extended initialization | 36 | | | | | | | | 100.0 |
| Backup: MML initialization | 36 | 2.8 | 63.9 | 27.8 | 2.8 | 2.8 | | | |
| Backup: MML query backup piece | 42 | | | | | | | | 100.0 |
| Backup: MML shutdown | 24 | | | | | | | | 100.0 |
| Backup: MML write backup piece | 232.6K | | | | | | | | 100.0 |
| CGS wait for IPC msg | 40.4K | 19.6 | 6.2 | 65.2 | 7.5 | 1.4 | .2 | .0 | .0 |
| CSS group membership query | 93 | | | | | | 1.1 | 49.5 | 49.5 |
| CSS group registration | 12 | | | | | | | | 100.0 |
| CSS initialization | 573 | .2 | 7.2 | 23.9 | 8.6 | .9 | .2 | | 59.2 |
| CSS operation: action | 970 | 1.9 | 8.1 | 8.5 | .5 | | | .1 | 80.9 |
| CSS operation: data query | 216 | | | | | | 1.4 | 44.4 | 54.2 |
| CSS operation: data update | 30 | | | | | | | | 100.0 |
| CSS operation: query | 1614 | 76.3 | 7.9 | 1.2 | | | .1 | | 14.5 |
| DFS lock handle | 1523 | | | | | | 4.1 | 18.2 | 77.7 |
| DLM cross inst call completion | 346K | 34.9 | 14.0 | 1.7 | .2 | .1 | .1 | .4 | 48.7 |
| Data file init write | 1629 | | | | | | | .1 | 99.9 |
| Disk file operations I/O | 1.2M | 21.8 | 29.6 | 28.3 | 6.8 | 2.7 | 1.4 | 5.4 | 4.0 |
| GCR CSS group query | 30 | 3.3 | 80.0 | 16.7 | | | | | |
| GCR CSS group update | 30 | 80.0 | 16.7 | 3.3 | | | | | |
| IMR slave acknowledgement msg | 10.7K | .9 | .1 | 1.7 | 4.5 | 4.1 | 9.0 | 16.1 | 63.6 |
| IPC group service call | 52.9K | 10.6 | 62.8 | 19.2 | 3.9 | 1.2 | 1.9 | .3 | .1 |
| IPC send completion sync | 5226 | | 22.6 | 45.0 | 1.2 | 2.4 | 7.6 | 5.0 | 16.3 |
| JS kgl get object wait | 3 | | | | | | | | 100.0 |
| KJC: Wait for msg sends to complete | 51K | .0 | .0 | .3 | 32.7 | 27.6 | 3.8 | 5.0 | 30.6 |
| KSV master wait | 10.3K | 11.6 | 9.2 | 2.6 | .5 | 8.3 | 8.9 | 9.4 | 49.6 |
| LGWR all worker groups | 455 | | | | | .4 | .4 | 2.0 | 97.1 |
| LGWR any worker group | 1.2M | .0 | .0 | .0 | .3 | 1.0 | 2.4 | 5.8 | 90.4 |
| LGWR intra group IO completion | 826.9K | .0 | .0 | .1 | .9 | 2.7 | 6.0 | 12.1 | 78.1 |
| LGWR intra group sync | 2.6M | .0 | .0 | .0 | .3 | 2.2 | 4.8 | 9.2 | 83.4 |
| LGWR wait for redo copy | 19.5K | 2.1 | .1 | .5 | 5.5 | 9.2 | 8.3 | 10.7 | 63.5 |
| LGWR worker group ordering | 395.3K | .3 | .0 | .5 | 2.1 | 2.7 | 4.3 | 8.1 | 82.1 |
| Log archive I/O | 198.7K | .0 | .0 | | | | | .0 | 100.0 |
| PGA memory operation | 882.2K | 10.2 | 19.8 | 30.4 | 27.7 | 10.8 | .7 | .1 | .3 |
| PX Deq Credit: free buffer | 1 | | 100.0 | | | | | | |
| PX Deq: Join ACK | 2078 | 6.1 | .6 | .1 | .1 | .8 | 1.4 | 2.6 | 88.2 |
| PX Deq: Signal ACK EXT | 2078 | 4.7 | 9.0 | 20.4 | 24.8 | 7.1 | 3.6 | 4.5 | 25.8 |
| PX Deq: Slave Session Stats | 3475 | 20.4 | 9.8 | 7.1 | 1.6 | 3.9 | 9.6 | 4.9 | 42.6 |
| PX Deq: Table Q Get Keys | 32 | | | | | | | | 100.0 |
| PX Deq: reap credit | 162.6K | 40.7 | 28.3 | 27.1 | 2.5 | .7 | .3 | .1 | .3 |
| PX qref latch | 24K | 98.5 | .6 | .3 | .1 | .1 | .1 | .1 | .3 |
| Parameter File I/O | 2 | | | | | | | | 100.0 |
| RMAN backup & recovery I/O | 5459 | .6 | .1 | .1 | | | .0 | .4 | 98.8 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Redo Transport Open | 24 | 100.0 | | | | | | | |
| SQL*Net break/reset to client | 31.5K | 35.6 | 13.2 | .9 | .2 | .1 | .6 | 3.3 | 46.1 |
| SQL*Net message to client | 1.1G | 99.5 | .3 | .1 | .0 | .0 | .0 | .0 | .0 |
| SQL*Net more data from client | 1.5M | 1.3 | 15.2 | 16.7 | 6.8 | 2.3 | 3.8 | 9.7 | 44.2 |
| SQL*Net more data to client | 149M | 4.5 | 16.8 | 60.6 | 16.9 | 1.0 | .1 | .0 | .0 |
| SQL*Net vector data to client | 524K | 10.9 | 31.3 | 16.4 | 24.6 | 16.1 | .7 | .0 | .0 |
| Sync ASM rebalance | 13.4K | 10.4 | 30.0 | 8.8 | .7 | .1 | | .1 | 49.9 |
| asynch descriptor resize | 3507 | 53.3 | 43.3 | 2.5 | .7 | .1 | .1 | | .1 |
| buffer busy waits | 2.2M | 5.9 | 5.5 | 1.8 | 8.2 | 8.8 | 10.9 | 13.1 | 45.8 |
| buffer deadlock | 21.1K | 23.1 | 11.5 | 1.7 | 2.0 | 4.8 | 7.4 | 8.9 | 40.7 |
| control file parallel write | 4850 | | | | | | | 2.0 | 98.0 |
| control file sequential read | 125.2K | | | | | | 5.1 | 30.1 | 64.8 |
| control file single write | 172 | | | | | | | 6.4 | 93.6 |
| cursor: mutex S | 118 | | | | | | | | 100.0 |
| cursor: mutex X | 1 | | | | | | | | 100.0 |
| cursor: pin S | 379.8K | | | | | | | | 100.0 |
| cursor: pin S wait on X | 2 | | | | | | | | 100.0 |
| datafile move cleanup during resize | 65 | | | | | | 56.9 | 43.1 | |
| db file async I/O submit | 21.6M | 49.9 | .0 | .1 | 9.1 | 37.9 | 2.6 | .2 | .2 |
| db file parallel read | 24.9K | | | | | | | .4 | 99.6 |
| db file parallel write | 10.9M | .0 | .2 | .1 | .0 | .0 | .1 | 20.1 | 79.3 |
| db file scattered read | 140.5K | | | | | | | 1.3 | 98.7 |
| db file sequential read | 14.4M | | | | | | .0 | 3.1 | 96.9 |
| db file single write | 65 | | | | | | | 29.2 | 70.8 |
| direct path read | 2.4M | .0 | .0 | .0 | .0 | .1 | 2.0 | 16.3 | 81.6 |
| direct path read temp | 3294 | | | | | | .2 | 11.0 | 88.8 |
| direct path sync | 146 | | | | 1.4 | 74.7 | 23.3 | .7 | |
| direct path write | 560.2K | .0 | .0 | .0 | .0 | .0 | .1 | 14.0 | 85.9 |
| direct path write temp | 4872 | .4 | .5 | .2 | 1.0 | 2.4 | 7.8 | 19.2 | 68.5 |
| enq: AF - task serialization | 3 | | | | | | | | 100.0 |
| enq: CF - contention | 664 | | | | | .2 | | 2.1 | 97.7 |
| enq: CR - block range reuse ckpt | 769 | | | | | | .1 | 6.9 | 93.0 |
| enq: CT - state | 65 | | | | | | 1.5 | 4.6 | 93.8 |
| enq: DA - Slave Process Array | 3 | | | | | | | | 100.0 |
| enq: DR - contention | 2 | | | | | | | | 100.0 |
| enq: DW - contention | 6 | | | | | | | | 100.0 |
| enq: FB - contention | 45.1K | | | | .0 | .0 | .1 | 2.8 | 97.0 |
| enq: HW - contention | 45.8K | .0 | .0 | .0 | .0 | .1 | .4 | 2.0 | 97.4 |
| enq: JG - queue lock | 78 | | | | | | | 1.3 | 98.7 |
| enq: JS - job run lock - synchronize | 4 | | | | | | | | 100.0 |
| enq: KI - contention | 278 | | | | .4 | | 3.2 | 12.2 | 84.2 |
| enq: KO - fast object checkpoint | 75 | | | | | | | 2.7 | 97.3 |
| enq: MW - contention | 2 | | | | | | | | 100.0 |
| enq: PR - contention | 6 | | | | | | | | 100.0 |
| enq: PS - contention | 1361 | | | | | | .2 | 2.8 | 97.0 |
| enq: PW - flush prewarm buffers | 301 | | | | | | | 1.7 | 98.3 |
| enq: RO - fast object reuse | 837 | | | | | | | 4.4 | 95.6 |
| enq: RS - prevent file delete | 72 | | | | | | | 6.9 | 93.1 |
| enq: SM - contention | 12 | | | | | | | 16.7 | 83.3 |
| enq: SQ - contention | 6015 | | | | | | .0 | .2 | 99.8 |
| enq: SV - contention | 140.2K | .0 | .0 | .1 | .4 | .7 | .8 | 1.1 | 96.9 |
| enq: TA - contention | 12 | | | | | | | | 100.0 |
| enq: TD - KTF dump entries | 8 | | | | | | | | 100.0 |
| enq: TM - contention | 15 | | | | | | | | 100.0 |
| enq: TO - contention | 33 | | | | | | | 6.1 | 93.9 |
| enq: TX - allocate ITL entry | 42.2K | | | | | | | .0 | 100.0 |
| enq: TX - contention | 564 | | | | .2 | | | .5 | 99.3 |
| enq: TX - index contention | 401.2K | | .0 | .0 | .0 | .1 | 1.1 | 5.0 | 93.8 |
| enq: TX - row lock contention | 242.9K | .0 | .0 | .0 | .0 | .0 | .0 | .1 | 99.8 |
| enq: US - contention | 207 | | | | | | .5 | 1.4 | 98.1 |
| enq: WF - contention | 76 | | | | | | | 7.9 | 92.1 |
| enq: WL - contention | 15 | | | | | | | | 100.0 |
| enq: XR - database force logging | 1154 | | | | | | .4 | 6.7 | 92.9 |
| gc buffer busy acquire | 8146 | 1.0 | .7 | .1 | .0 | .1 | .5 | 1.5 | 96.0 |
| gc buffer busy release | 130 | .8 | 1.5 | | | .8 | 4.6 | 8.5 | 83.8 |
| gc cr block 2-way | 10.2K | | | | .0 | .6 | 23.5 | 21.1 | 54.8 |
| gc cr block busy | 33 | | | | | | | | 100.0 |
| gc cr disk read | 2101 | | | | | 7.5 | 22.9 | 14.0 | 55.5 |
| gc cr grant 2-way | 537.6K | | | .0 | .0 | .4 | 14.9 | 25.3 | 59.4 |
| gc cr grant congested | 60 | | | | | | | | 100.0 |
| gc cr multi block grant | 48.4K | | | .0 | .0 | 1.2 | 10.8 | 12.4 | 75.6 |
| gc cr multi block mixed | 280.9K | | | | | .0 | 18.5 | 30.4 | 51.1 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| gc current block 2-way | 148.6K | | | | .0 | .0 | 34.2 | 21.8 | 43.9 |
| gc current block busy | 1348 | | | | | | 8.6 | 32.0 | 59.3 |
| gc current block congested | 4 | | | | | | | | 100.0 |
| gc current grant 2-way | 731.5K | .0 | .0 | .0 | .0 | .4 | 11.3 | 21.0 | 67.4 |
| gc current grant busy | 16.1K | | | | .0 | 1.7 | 9.3 | 14.2 | 74.8 |
| gc current grant congested | 66 | | | | | | | | 100.0 |
| gc current grant read-mostly invalidation | 1.7M | .0 | .0 | .0 | .0 | .0 | .0 | 2.5 | 97.5 |
| gc current multi block request | 19.2K | | | | | .0 | .0 | 1.2 | 98.8 |
| gc current retry | 2 | | | | | | | 50.0 | 50.0 |
| gc current split | 1 | | | | | | | 100.0 | |
| gcs log flush sync | 4231 | 30.9 | 1.5 | .9 | .9 | 3.5 | 5.5 | 7.6 | 49.4 |
| ges LMD suspend for testing event | 4 | | | | | 25.0 | | | 75.0 |
| ges inquiry response | 37 | | | | | | | | 100.0 |
| ges message buffer allocation | 22 | 45.5 | 18.2 | | | | | | 36.4 |
| ges resource directory to be unfrozen | 4746 | 99.7 | .2 | .1 | .0 | | | | |
| get branch/thread/sequence enqueue | 97 | | | 1.0 | 29.9 | 56.7 | 5.2 | 7.2 | |
| global enqueue expand wait | 6407 | 2.9 | 2.5 | 5.4 | 19.0 | 12.7 | 12.6 | 13.3 | 31.6 |
| inactive session | 6 | | | | | | | | 100.0 |
| kfk: async disk IO | 203 | | | | | | | 13.8 | 86.2 |
| kjctssqmg: quick message send wait | 4 | 75.0 | | | | | | | 25.0 |
| ksxr poll remote instances | 7266 | 27.1 | 35.2 | 24.9 | 11.0 | 1.2 | .4 | .2 | .1 |
| latch free | 822.1K | 10.8 | 3.2 | 4.8 | 7.7 | 5.2 | 6.4 | 7.7 | 54.2 |
| latch: MGA heap latch | 30 | 6.7 | | 6.7 | 6.7 | 13.3 | 10.0 | 10.0 | 46.7 |
| latch: MGA shared context latch | 1579 | .2 | .2 | | .1 | .4 | .5 | 2.7 | 95.9 |
| latch: MGA shared context root latch | 1715 | | | | | | .1 | .1 | 99.9 |
| latch: active service list | 78 | 1.3 | 2.6 | 5.1 | 3.8 | 3.8 | 6.4 | 16.7 | 60.3 |
| latch: cache buffer handles | 6 | | | | | 16.7 | 16.7 | 16.7 | 50.0 |
| latch: cache buffers chains | 1.6M | 6.6 | 2.4 | 2.7 | 8.5 | 10.2 | 11.2 | 13.1 | 45.3 |
| latch: cache buffers lru chain | 25.7K | 5.4 | 3.3 | 2.4 | 5.9 | 11.7 | 12.4 | 12.1 | 46.8 |
| latch: call allocation | 52 | 3.8 | 7.7 | | 3.8 | 9.6 | 7.7 | 7.7 | 59.6 |
| latch: checkpoint queue latch | 1523 | 5.1 | 1.1 | 2.0 | 6.8 | 12.5 | 11.3 | 11.0 | 50.3 |
| latch: enqueue hash chains | 14.1K | 5.2 | 2.1 | 1.8 | 6.4 | 7.7 | 9.4 | 11.0 | 56.3 |
| latch: gc element | 1021 | 7.6 | 2.4 | 1.7 | 3.5 | 6.7 | 7.2 | 7.5 | 63.4 |
| latch: gcs resource hash | 544 | 6.3 | 6.6 | 2.4 | 5.3 | 8.5 | 12.1 | 10.8 | 48.0 |
| latch: ges resource hash list | 7.5M | 1.8 | 2.7 | 2.0 | 1.5 | .6 | .6 | .5 | 90.2 |
| latch: kjci process context latch | 262 | 9.2 | 1.5 | 4.2 | 13.7 | 6.9 | 9.9 | 11.8 | 42.7 |
| latch: lob segment dispenser latch | 32 | 28.1 | 3.1 | 6.3 | 6.3 | 6.3 | 12.5 | 9.4 | 28.1 |
| latch: lob segment hash table latch | 38 | 5.3 | | | 2.6 | 2.6 | 2.6 | 10.5 | 76.3 |
| latch: messages | 2881 | 9.3 | 2.3 | 2.4 | 9.3 | 15.1 | 13.5 | 11.7 | 36.5 |
| latch: object queue header operation | 1560 | 1.0 | .6 | 1.0 | 1.2 | 2.1 | 3.5 | 6.9 | 83.8 |
| latch: parallel query alloc buffer | 18 | | | | | 11.1 | 5.6 | 16.7 | 66.7 |
| latch: redo allocation | 58K | 11.2 | 3.9 | 1.6 | 6.1 | 10.4 | 11.5 | 11.4 | 43.9 |
| latch: redo writing | 43.1K | 1.7 | .3 | .6 | 1.7 | 2.9 | 3.8 | 5.9 | 83.2 |
| latch: session allocation | 89 | 6.7 | 2.2 | 3.4 | 13.5 | 14.6 | 21.3 | 13.5 | 24.7 |
| latch: shared pool | 733 | 10.0 | 1.9 | 2.0 | 4.5 | 4.2 | 6.5 | 10.9 | 59.9 |
| latch: undo global data | 752.7K | 5.5 | 1.6 | 1.5 | 3.7 | 4.8 | 6.3 | 8.1 | 68.4 |
| libcache interrupt action by LCK | 171.3K | 99.4 | .4 | .2 | .1 | .0 | .0 | .0 | .0 |
| library cache load lock | 49 | | | | 2.0 | 12.2 | 24.5 | 24.5 | 36.7 |
| library cache lock | 659 | | | | | | | .3 | 99.7 |
| library cache pin | 288 | | | | | | .3 | 4.2 | 95.5 |
| library cache: bucket mutex X | 202.3K | 24.1 | 7.6 | 2.4 | 2.8 | 5.0 | 7.7 | 8.3 | 42.1 |
| library cache: mutex X | 30.4M | 25.7 | 9.0 | 2.7 | 2.4 | 4.7 | 6.9 | 7.9 | 40.7 |
| local write wait | 24 | | | | | | | | 100.0 |
| lock escalate retry | 2 | | | | | | 50.0 | | 50.0 |
| log file parallel write | 3.9M | | | | | | | 1.1 | 98.9 |
| log file sequential read | 3623 | 2.1 | .6 | .1 | .0 | .0 | .4 | 2.0 | 94.7 |
| log file single write | 96 | | | | | | | 31.3 | 68.8 |
| log file switch completion | 22.3K | | | | | | | | 100.0 |
| log file sync | 7.6M | | .0 | .0 | .0 | .0 | .0 | .0 | 100.0 |
| name-service call wait | 245 | 1.6 | 21.6 | 1.2 | | | | .8 | 74.7 |
| oracle thread bootstrap | 369 | | | 1.4 | 3.8 | | .3 | .3 | 94.3 |
| oradebug request completion | 41 | | | | | | | | 100.0 |
| os thread creation | 369 | | | | | | | | 100.0 |
| process diagnostic dump | 2 | | | | | | | | 100.0 |
| process terminate | 12 | | | | | | | | 100.0 |
| rdbms ipc reply | 112 | | | | .9 | 1.8 | 2.7 | 6.3 | 88.4 |
| read by other session | 61.4K | .0 | .0 | .0 | .2 | .6 | 2.2 | 7.7 | 89.3 |
| recovery area: computing backed up files | 4 | | | | | | | | 100.0 |
| recovery area: computing dropped files | 4 | | | | | | | | 100.0 |
| recovery area: computing obsolete files | 4 | | | | | | | | 100.0 |
| redo log switch request completion | 2 | | | | | | | | 100.0 |
| reliable message | 1677 | | | | | | | | 100.0 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| row cache lock | 50.3K | | .0 | | | | .0 | 1.0 | 99.0 |
| row cache mutex | 30.6K | 23.5 | 7.8 | 1.0 | 1.6 | 4.2 | 7.4 | 10.0 | 44.6 |
| row cache read | 73 | | 13.7 | 2.7 | 11.0 | 2.7 | 5.5 | 12.3 | 52.1 |
| transaction | 8302 | | .0 | 2.7 | 69.4 | 26.8 | 1.0 | .0 | .0 |
| undo_retention publish retry | 12 | 100.0 | | | | | | | |
| wait list latch free | 18K | | | | | | | | 100.0 |
| write complete waits | 65 | | | | | | 1.5 | 4.6 | 93.8 |
| AQPC idle | 120 | | | | | | | | 100.0 |
| ASM background timer | 145.6K | | | | .0 | .2 | .5 | 1.1 | 98.2 |
| ASM cluster membership changes | 2056 | | | | | | | | 100.0 |
| DIAG idle wait | 107.4K | | | .0 | .1 | 1.2 | 34.2 | 13.6 | 50.8 |
| Data Guard: Gap Manager | 60 | | | | | | | | 100.0 |
| Data Guard: Timer | 120 | | | | | | | | 100.0 |
| EMON slave idle wait | 3600 | | | | | | | | 100.0 |
| GCR sleep | 20.4K | | .0 | | | | | | 100.0 |
| LGWR worker group idle | 1.1M | .4 | .0 | .4 | 3.0 | 6.9 | 12.2 | 19.1 | 58.1 |
| LMS CR slave timer | 6.3M | | | | | | | | 100.0 |
| OFS idle | 1199 | | | | | | | | 100.0 |
| PING | 2487 | | .3 | 2.6 | 18.1 | 19.0 | 7.3 | 4.7 | 48.0 |
| PL/SQL lock timer | 60 | | | | | | | | 100.0 |
| PX Deq Credit: need buffer | 1599 | .5 | 1.2 | .9 | .3 | .6 | 2.4 | 6.4 | 87.7 |
| PX Deq Credit: send blkd | 5220 | .8 | 2.1 | 5.6 | 4.3 | 5.4 | 5.4 | 9.0 | 67.4 |
| PX Deq: Execute Reply | 27.8K | 22.2 | 1.5 | .8 | .5 | .9 | 2.4 | 4.8 | 67.0 |
| PX Deq: Execution Msg | 8142 | .0 | .2 | .6 | .7 | 1.6 | 4.5 | 8.1 | 84.3 |
| PX Deq: Msg Fragment | 2133 | 35.9 | 1.1 | 1.4 | 1.8 | 1.8 | 6.6 | 8.4 | 42.9 |
| PX Deq: Parse Reply | 2078 | 23.3 | 3.0 | .4 | .2 | .9 | 1.3 | 2.8 | 68.1 |
| PX Deq: Table Q Normal | 266 | | | | | | | | 100.0 |
| PX Deq: Table Q Sample | 32 | | | | | | | | 100.0 |
| PX Idle Wait | 1397 | | .1 | .1 | | | | .1 | 99.8 |
| REPL Capture/Apply: RAC AQ qmn coordinator | 76 | | | | | | | | 100.0 |
| RMA: IPC0 completion sync | 4042 | 57.2 | 32.4 | 7.6 | 1.2 | .4 | .7 | .5 | |
| SCM slave idle | 36K | | | | | | | | 100.0 |
| SQL*Net message from client | 1.1G | | .0 | .0 | .0 | .0 | .4 | 4.6 | 95.0 |
| Space Manager: slave idle wait | 510K | .3 | .1 | .1 | .5 | .8 | 2.1 | 5.2 | 90.9 |
| Streams AQ: emn coordinator idle wait | 360 | | | | | | | | 100.0 |
| Streams AQ: qmn coordinator idle wait | 263 | 1.1 | | | | | 2.3 | 16.0 | 80.6 |
| Streams AQ: qmn slave idle wait | 133 | 2.3 | | | | | | | 97.7 |
| class slave wait | 48.7K | .2 | .0 | .1 | .4 | .8 | 1.6 | 2.9 | 94.0 |
| gcs remote message | 11.7M | 19.2 | 2.1 | .9 | 1.9 | 6.3 | 9.3 | 10.0 | 50.4 |
| gcs yield cpu | 2.1M | .3 | .0 | .0 | .0 | .0 | .0 | .0 | 99.7 |
| ges remote message | 1.2M | 19.7 | 7.0 | .7 | 1.0 | 3.5 | 5.4 | 7.3 | 55.4 |
| heartbeat monitor sleep | 17 | | | | | | | | 100.0 |
| heartbeat redo informer | 39.8K | | | | | | | | 100.0 |
| jobq slave wait | 11K | | | .0 | | | | | 100.0 |
| lreg timer | 1197 | | | | | | | | 100.0 |
| pman timer | 1200 | | | | | | | | 100.0 |
| pmon timer | 8446 | .0 | .4 | | | | | | 99.6 |
| rdbms ipc message | 707.4K | 11.1 | .8 | .4 | 1.2 | 3.6 | 8.0 | 13.8 | 61.2 |
| smon timer | 12 | | | | | | | | 100.0 |
| wait for unread message on broadcast channel | 5516 | | | | | | | | 100.0 |
| watchdog main loop | 24K | | | | | | | | 100.0 |

**Back to Wait Events Statistics**
**Back to Top**

# Wait Event Histogram (up to 64 us)

- Units for Total Waits column: K is 1000, M is 1000000, G is 1000000000
- Units for % of Total Waits: us is microseconds
- % of Total Waits: total waits for all wait classes, including Idle
- % of Total Waits: value of .0 indicates value was <.05%; value of null is truly 0
- Ordered by Event (only non-idle events are displayed)

| | | % of Total Waits | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Event | Waits 1us - 64us | <1us | <2us | <4us | <8us | <16us | <32us | <64us | >=64us |
| ADR file lock | 23 | | 2.2 | | 2.2 | 32.6 | 10.9 | 2.2 | 50.0 |
| AQ: RAC AQ Network | 35.5K | | | | 2.2 | 18.7 | 74.1 | 4.3 | .8 |
| ASM IO for non-blocking poll | 7.6M | 16.4 | 30.1 | 32.4 | 12.6 | 5.3 | 2.6 | .5 | .2 |
| ASM background starting | 7 | | 14.3 | 85.7 | | | | | |
| ASM file metadata operation | 145.5K | 7.2 | 27.8 | 28.2 | 24.2 | 4.5 | 1.4 | .5 | 6.2 |
| AWR Flush | 26 | 26.9 | 53.8 | 15.4 | | 3.8 | | | |
| Backup: MML initialization | 35 | | | | 2.8 | 63.9 | 27.8 | 2.8 | 2.8 |
| CGS wait for IPC msg | 39.8K | | .8 | 8.0 | 10.8 | 6.2 | 65.2 | 7.5 | 1.6 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CSS initialization | 228 | | | | .2 | 7.2 | 23.9 | 8.6 | 60.2 |
| CSS operation: action | 184 | | | | 1.9 | 8.1 | 8.5 | .5 | 81.0 |
| CSS operation: query | 1379 | 33.6 | 21.3 | 14.0 | 7.4 | 7.9 | 1.2 | | 14.6 |
| DLM cross inst call completion | 175.7K | .0 | .0 | 4.6 | 30.3 | 14.0 | 1.7 | .2 | 49.2 |
| Disk file operations I/O | 1M | .1 | .1 | 5.5 | 16.1 | 29.6 | 28.3 | 6.8 | 13.5 |
| GCR CSS group query | 30 | | | | 3.3 | 80.0 | 16.7 | | |
| GCR CSS group update | 30 | | | | 80.0 | 16.7 | 3.3 | | |
| IMR slave acknowledgement msg | 777 | | .0 | .4 | .5 | .1 | 1.7 | 4.5 | 92.8 |
| IPC group service call | 51K | | .1 | 2.1 | 8.5 | 62.8 | 19.2 | 3.9 | 3.5 |
| IPC send completion sync | 3592 | | | | | 22.6 | 45.0 | 1.2 | 31.3 |
| KJC: Wait for msg sends to complete | 16.8K | | | | .0 | .0 | .3 | 32.7 | 67.0 |
| KSV master wait | 2455 | | 1.0 | 7.5 | 3.1 | 9.2 | 2.6 | .5 | 76.2 |
| LGWR any worker group | 4432 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | 99.6 |
| LGWR intra group IO completion | 8988 | .0 | .0 | .0 | .0 | .0 | .1 | .9 | 98.9 |
| LGWR intra group sync | 8743 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | 99.7 |
| LGWR wait for redo copy | 1619 | .1 | 1.0 | .7 | .3 | .1 | .5 | 5.5 | 91.7 |
| LGWR worker group ordering | 11.3K | .1 | .1 | .0 | .0 | .0 | .5 | 2.1 | 97.1 |
| Log archive I/O | 24 | | .0 | .0 | .0 | .0 | | | 100.0 |
| PGA memory operation | 776.9K | | .0 | 1.5 | 8.6 | 19.8 | 30.4 | 27.7 | 11.9 |
| PX Deq Credit: free buffer | 1 | | | | | 100.0 | | | |
| PX Deq: Join ACK | 145 | | .5 | 4.3 | 1.2 | .6 | .1 | .1 | 93.0 |
| PX Deq: Signal ACK EXT | 1225 | | | .4 | 4.3 | 9.0 | 20.4 | 24.8 | 41.0 |
| PX Deq: Slave Session Stats | 1351 | .3 | 1.5 | 8.9 | 9.7 | 9.8 | 7.1 | 1.6 | 61.1 |
| PX Deq: reap credit | 160.4K | .0 | .5 | 10.6 | 29.7 | 28.3 | 27.1 | 2.5 | 1.3 |
| PX qref latch | 23.9K | .4 | 52.5 | 42.2 | 3.3 | .6 | .3 | .1 | .5 |
| RMAN backup & recovery I/O | 41 | | .1 | .4 | .2 | .1 | .1 | | 99.2 |
| Redo Transport Open | 24 | 8.3 | 70.8 | 20.8 | | | | | |
| SQL*Net break/reset to client | 15.7K | | 5.2 | 11.4 | 19.0 | 13.2 | .9 | .2 | 50.1 |
| SQL*Net message to client | 1.1G | 28.4 | 58.0 | 10.9 | 2.2 | .3 | .1 | .0 | .0 |
| SQL*Net more data from client | 580.3K | .0 | .0 | .0 | 1.3 | 15.2 | 16.7 | 6.8 | 60.0 |
| SQL*Net more data to client | 147.3M | | .0 | .1 | 4.3 | 16.8 | 60.6 | 16.9 | 1.2 |
| SQL*Net vector data to client | 435.6K | | .0 | 1.8 | 9.0 | 31.3 | 16.4 | 24.6 | 16.9 |
| Sync ASM rebalance | 6689 | | | .1 | 10.3 | 30.0 | 8.8 | .7 | 50.1 |
| asynch descriptor resize | 3496 | | 6.7 | 23.3 | 23.3 | 43.3 | 2.5 | .7 | .3 |
| buffer busy waits | 460.1K | .0 | .2 | .9 | 4.8 | 5.5 | 1.8 | 8.2 | 78.6 |
| buffer deadlock | 8064 | | | 1.4 | 21.7 | 11.5 | 1.7 | 2.0 | 61.8 |
| db file async I/O submit | 12.8M | 27.4 | 22.2 | .2 | .1 | .0 | .1 | 9.1 | 40.9 |
| db file parallel write | 42.5K | | | | .0 | .2 | .1 | .0 | 99.6 |
| direct path read | 941 | | | .0 | .0 | .0 | .0 | .0 | 100.0 |
| direct path sync | 2 | | | | | | | 1.4 | 98.6 |
| direct path write | 83 | | | | .0 | .0 | .0 | .0 | 100.0 |
| direct path write temp | 100 | | | | .4 | .5 | .2 | 1.0 | 97.9 |
| enq: FB - contention | 2 | | | | | | | .0 | 100.0 |
| enq: HW - contention | 20 | | | | .0 | .0 | .0 | .0 | 100.0 |
| enq: KI - contention | 1 | | | | | | | .4 | 99.6 |
| enq: SV - contention | 764 | | | .0 | .0 | .0 | .1 | .4 | 99.5 |
| enq: TX - contention | 1 | | | | | | | .2 | 99.8 |
| enq: TX - index contention | 77 | | | | | .0 | .0 | .0 | 100.0 |
| enq: TX - row lock contention | 10 | | | .0 | | .0 | .0 | .0 | 100.0 |
| gc buffer busy acquire | 152 | | .1 | .5 | .4 | .7 | .1 | .0 | 98.1 |
| gc buffer busy release | 3 | | | | .8 | 1.5 | | | 97.7 |
| gc cr block 2-way | 1 | | | | | | | .0 | 100.0 |
| gc cr grant 2-way | 25 | | | | | | .0 | .0 | 100.0 |
| gc cr multi block grant | 6 | | | | | | .0 | .0 | 100.0 |
| gc current block 2-way | 16 | | | | | | | .0 | 100.0 |
| gc current grant 2-way | 145 | | | | .0 | .0 | .0 | .0 | 100.0 |
| gc current grant busy | 4 | | | | | | | .0 | 100.0 |
| gc current grant read-mostly invalidation | 40 | | | | .0 | .0 | .0 | .0 | 100.0 |
| gcs log flush sync | 1441 | | .3 | 16.3 | 14.4 | 1.5 | .9 | .9 | 65.9 |
| ges message buffer allocation | 14 | | | 4.5 | 40.9 | 18.2 | | | 36.4 |
| ges resource directory to be unfrozen | 4746 | 21.9 | 70.7 | 5.9 | 1.1 | .2 | .1 | .0 | |
| get branch/thread/sequence enqueue | 30 | | | | | | 1.0 | 29.9 | 69.1 |
| global enqueue expand wait | 1906 | | .2 | 1.1 | 1.6 | 2.5 | 5.4 | 19.0 | 70.3 |
| kjctssqmg: quick message send wait | 3 | | | | 75.0 | | | | 25.0 |
| ksxr poll remote instances | 7132 | | .9 | 6.7 | 19.5 | 35.2 | 24.9 | 11.0 | 1.8 |
| latch free | 218K | .0 | .2 | 2.3 | 8.3 | 3.2 | 4.8 | 7.7 | 73.5 |
| latch: MGA heap latch | 6 | | | 6.7 | | | 6.7 | 6.7 | 80.0 |
| latch: MGA shared context latch | 8 | | | | .2 | .2 | | .1 | 99.5 |
| latch: active service list | 10 | | | 1.3 | | 2.6 | 5.1 | 3.8 | 87.2 |
| latch: cache buffers chains | 318.1K | .0 | .0 | .8 | 5.8 | 2.4 | 2.7 | 8.5 | 79.7 |
| latch: cache buffers lru chain | 4343 | | .0 | .4 | 5.0 | 3.3 | 2.4 | 5.9 | 83.1 |
| latch: call allocation | 8 | | | 1.9 | 1.9 | 7.7 | | 3.8 | 84.6 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| latch: checkpoint queue latch | 228 | | | .3 | 4.9 | 1.1 | 2.0 | 6.8 | 85.0 |
| latch: enqueue hash chains | 2185 | | | .4 | 4.9 | 2.1 | 1.8 | 6.4 | 84.5 |
| latch: gc element | 155 | | | .3 | 7.3 | 2.4 | 1.7 | 3.5 | 84.8 |
| latch: gcs resource hash | 112 | | | .2 | 6.1 | 6.6 | 2.4 | 5.3 | 79.4 |
| latch: ges resource hash list | 598.5K | .0 | .1 | .7 | 1.0 | 2.7 | 2.0 | 1.5 | 92.0 |
| latch: kjci process context latch | 75 | | | .8 | 8.4 | 1.5 | 4.2 | 13.7 | 71.4 |
| latch: lob segment dispenser latch | 14 | | | | 28.1 | 3.1 | 6.3 | 6.3 | 56.3 |
| latch: lob segment hash table latch | 3 | | | | 5.3 | | | 2.6 | 92.1 |
| latch: messages | 669 | | | .8 | 8.4 | 2.3 | 2.4 | 9.3 | 76.8 |
| latch: object queue header operation | 58 | | | .1 | .9 | .6 | 1.0 | 1.2 | 96.3 |
| latch: redo allocation | 13.2K | | | .3 | 10.9 | 3.9 | 1.6 | 6.1 | 77.2 |
| latch: redo writing | 1825 | | .0 | .1 | 1.6 | .3 | .6 | 1.7 | 95.8 |
| latch: session allocation | 23 | | | | 6.7 | 2.2 | 3.4 | 13.5 | 74.2 |
| latch: shared pool | 135 | | .1 | 1.2 | 8.6 | 1.9 | 2.0 | 4.5 | 81.6 |
| latch: undo global data | 93K | | .0 | .5 | 5.0 | 1.6 | 1.5 | 3.7 | 87.7 |
| libcache interrupt action by LCK | 171.2K | 27.3 | 42.9 | 27.5 | 1.8 | .4 | .2 | .1 | .0 |
| library cache load lock | 1 | | | | | | | 2.0 | 98.0 |
| library cache: bucket mutex X | 74.6K | | .0 | 4.1 | 20.1 | 7.6 | 2.4 | 2.8 | 63.1 |
| library cache: mutex X | 12.1M | .0 | .8 | 7.9 | 17.0 | 9.0 | 2.7 | 2.4 | 60.2 |
| log file sequential read | 102 | | .1 | .9 | 1.1 | .6 | .1 | .0 | 97.2 |
| log file sync | 11 | | | | | .0 | .0 | .0 | 100.0 |
| name-service call wait | 60 | | | | 1.6 | 21.6 | 1.2 | | 75.5 |
| oracle thread bootstrap | 19 | | | | | | 1.4 | 3.8 | 94.9 |
| rdbms ipc reply | 1 | | | | | | | .9 | 99.1 |
| read by other session | 140 | | | .0 | .0 | .0 | .0 | .2 | 99.8 |
| row cache lock | 1 | | | | | .0 | | | 100.0 |
| row cache mutex | 10.3K | .0 | 1.0 | 10.5 | 12.0 | 7.8 | 1.0 | 1.6 | 66.2 |
| row cache read | 20 | | | | | 13.7 | 2.7 | 11.0 | 72.6 |
| transaction | 5993 | | | | | .0 | 2.7 | 69.4 | 27.8 |
| undo_retention publish retry | 12 | | | 83.3 | 16.7 | | | | |

**Back to Wait Events Statistics**
**Back to Top**

# Wait Event Histogram (up to 32 ms)

- Units for Total Waits column: K is 1000, M is 1000000, G is 1000000000
- Units for % of Total Waits: us is microseconds, ms is 1024 microseconds (approximately 1 millisecond)
- % of Total Waits: total waits for all wait classes, including Idle
- % of Total Waits: value of .0 indicates value was <.05%; value of null is truly 0
- Ordered by Event (only non-idle events are displayed)

| | | % of Total Waits | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Event | Waits 1ms to 32ms | <512us | <1ms | <2ms | <4ms | <8ms | <16ms | <32ms | >=32ms |
| ADR block file read | 39 | | | 10.0 | 67.5 | 15.0 | 5.0 | | 2.5 |
| ADR block file write | 22 | | | 12.5 | 41.7 | 8.3 | 25.0 | 4.2 | 8.3 |
| ADR file lock | 2 | 95.7 | 2.2 | | 2.2 | | | | |
| AQ: RAC AQ Network | 20 | 99.9 | .0 | .0 | .0 | .0 | | | |
| ASM IO for non-blocking poll | 5291 | 99.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| ASM file metadata operation | 4337 | 97.0 | 1.2 | .8 | .3 | .2 | .2 | .1 | .2 |
| Backup: MML create a backup piece | 1 | | | | 4.8 | | | | 95.2 |
| Backup: MML delete backup piece | 25 | | | 44.0 | 24.0 | 24.0 | 4.0 | 4.0 | |
| Backup: MML query backup piece | 30 | | 35.7 | 16.7 | 16.7 | 2.4 | | | 28.6 |
| Backup: MML write backup piece | 172.2K | | | .3 | 23.9 | 31.0 | 13.2 | 5.6 | 26.0 |
| CGS wait for IPC msg | 5 | 100.0 | .0 | .0 | | .0 | | .0 | .0 |
| CSS group membership query | 46 | 50.5 | 25.8 | 16.1 | 3.2 | 4.3 | | | |
| CSS group registration | 12 | | | | | | 91.7 | 8.3 | |
| CSS initialization | 307 | 40.8 | | | | 13.3 | 30.9 | 9.4 | 5.6 |
| CSS operation: action | 782 | 19.1 | 7.9 | 40.1 | 21.9 | 7.1 | 2.4 | 1.2 | .3 |
| CSS operation: data query | 117 | 45.8 | 24.5 | 11.1 | 13.9 | 2.8 | 1.9 | | |
| CSS operation: data update | 30 | | 3.3 | 66.7 | 26.7 | | | 3.3 | |
| CSS operation: query | 230 | 85.5 | | 7.2 | 4.8 | 1.4 | .5 | .4 | .2 |
| DFS lock handle | 1183 | 22.3 | 24.7 | 22.5 | 13.8 | 10.2 | 6.2 | .3 | |
| DLM cross inst call completion | 166K | 51.3 | 4.9 | 10.9 | 13.0 | 11.9 | 5.8 | 1.6 | .7 |
| Data file init write | 1610 | .1 | .4 | 15.6 | 53.4 | 19.0 | 8.3 | 2.0 | 1.0 |
| Disk file operations I/O | 46.3K | 96.0 | 2.5 | .5 | .6 | .3 | .1 | .0 | .0 |
| IMR slave acknowledgement msg | 6826 | 36.4 | 23.2 | 24.1 | 9.6 | 3.3 | 3.0 | .2 | .1 |
| IPC group service call | 66 | 99.9 | .0 | .0 | .0 | .0 | .0 | | .0 |
| IPC send completion sync | 848 | 83.7 | 5.4 | 3.8 | 3.1 | 2.5 | 1.2 | .2 | .0 |
| KJC: Wait for msg sends to complete | 15.6K | 69.4 | 6.9 | 7.0 | 7.2 | 7.0 | 2.2 | .2 | .0 |
| KSV master wait | 4746 | 50.4 | 12.0 | 14.1 | 8.9 | 4.7 | 3.4 | 2.7 | 3.6 |
| LGWR all worker groups | 442 | 2.9 | 5.1 | 16.7 | 38.5 | 26.6 | 9.0 | 1.3 | |
| LGWR any worker group | 1M | 9.6 | 12.7 | 28.4 | 33.3 | 11.7 | 3.5 | .6 | .2 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| LGWR intra group IO completion | 644.5K | 21.9 | 20.6 | 26.6 | 19.1 | 8.0 | 3.1 | .5 | .1 |
| LGWR intra group sync | 2.2M | 16.6 | 15.4 | 23.1 | 23.4 | 13.9 | 5.9 | 1.3 | .3 |
| LGWR wait for redo copy | 12.2K | 36.5 | 14.7 | 17.7 | 15.6 | 9.0 | 4.1 | 1.5 | .9 |
| LGWR worker group ordering | 322.4K | 17.9 | 14.3 | 21.9 | 22.5 | 14.5 | 6.7 | 1.7 | .5 |
| Log archive I/O | 197.3K | .0 | .0 | .0 | 50.6 | 36.9 | 9.7 | 2.1 | .7 |
| PGA memory operation | 2662 | 99.7 | .1 | .1 | .1 | .1 | .0 | .0 | .0 |
| PX Deq: Join ACK | 1796 | 11.8 | 3.8 | 23.1 | 28.6 | 15.1 | 9.4 | 6.4 | 1.8 |
| PX Deq: Signal ACK EXT | 518 | 74.2 | 5.4 | 6.0 | 5.5 | 4.7 | 2.4 | 1.0 | .9 |
| PX Deq: Slave Session Stats | 1382 | 57.4 | 6.8 | 8.7 | 9.0 | 7.1 | 6.0 | 2.1 | 2.9 |
| PX Deq: Table Q Get Keys | 4 | | 3.1 | 6.3 | | | 3.1 | | 87.5 |
| PX Deq: reap credit | 489 | 99.7 | .1 | .1 | .1 | .0 | .0 | .0 | .0 |
| PX qref latch | 64 | 99.7 | .1 | .1 | .0 | .0 | .0 | .0 | |
| Parameter File I/O | 2 | | 50.0 | | | 50.0 | | | |
| RMAN backup & recovery I/O | 5179 | 1.2 | 1.0 | 1.8 | 51.5 | 28.4 | 9.1 | 3.2 | 4.0 |
| SQL*Net break/reset to client | 14.5K | 53.9 | 16.4 | 19.0 | 6.8 | 2.6 | .9 | .2 | .2 |
| SQL*Net message to client | 7515 | 100.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| SQL*Net more data from client | 635.2K | 55.8 | 21.6 | 13.9 | 5.6 | 1.9 | .6 | .1 | .4 |
| SQL*Net more data to client | 46.7K | 100.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| SQL*Net vector data to client | 103 | 100.0 | .0 | .0 | .0 | .0 | .0 | | |
| Sync ASM rebalance | 5984 | 50.1 | 1.0 | 1.2 | .8 | 7.1 | 16.9 | 17.7 | 5.3 |
| asynch descriptor resize | 4 | 99.9 | .1 | .0 | | .0 | | | |
| buffer busy waits | 920.8K | 54.2 | 13.4 | 11.7 | 8.1 | 4.9 | 2.9 | 1.8 | 3.0 |
| buffer deadlock | 8431 | 59.3 | 9.7 | 10.0 | 8.6 | 6.2 | 3.6 | 1.7 | .7 |
| control file parallel write | 4701 | 2.0 | 21.7 | 32.2 | 22.6 | 12.2 | 6.1 | 2.0 | 1.1 |
| control file sequential read | 80.6K | 35.2 | 27.4 | 19.7 | 10.3 | 4.5 | 1.9 | .6 | .4 |
| control file single write | 161 | 6.4 | 15.7 | 32.0 | 27.3 | 13.4 | 4.7 | .6 | |
| cursor: mutex S | 118 | | | 79.7 | 12.7 | 5.1 | 2.5 | | |
| cursor: mutex X | 1 | | | 100.0 | | | | | |
| cursor: pin S | 376.8K | | .0 | 79.1 | 13.7 | 4.2 | 1.6 | .6 | .8 |
| cursor: pin S wait on X | 2 | | | | | | 50.0 | 50.0 | |
| db file async I/O submit | 36.5K | 99.8 | .1 | .0 | .0 | .0 | .0 | .0 | .0 |
| db file parallel read | 24.7K | .4 | 16.3 | 37.7 | 27.4 | 12.2 | 4.7 | .9 | .4 |
| db file parallel write | 8.6M | 20.7 | 33.8 | 26.0 | 12.6 | 4.9 | 1.6 | .3 | .2 |
| db file scattered read | 138.5K | 1.3 | 39.1 | 37.3 | 15.5 | 4.7 | 1.7 | .3 | .1 |
| db file sequential read | 13.9M | 3.1 | 41.3 | 34.7 | 14.2 | 4.8 | 1.6 | .3 | .1 |
| db file single write | 46 | 29.2 | 30.8 | 21.5 | 16.9 | 1.5 | | | |
| direct path read | 2M | 18.4 | 31.7 | 24.7 | 16.0 | 6.6 | 2.0 | .4 | .2 |
| direct path read temp | 2915 | 11.2 | 30.9 | 33.0 | 15.1 | 5.8 | 2.9 | .8 | .3 |
| direct path write | 480.1K | 14.1 | 33.0 | 28.7 | 14.0 | 6.7 | 2.8 | .5 | .2 |
| direct path write temp | 3324 | 31.5 | 27.1 | 22.6 | 10.6 | 5.5 | 1.8 | .6 | .3 |
| enq: AF - task serialization | 3 | | 33.3 | 33.3 | | 33.3 | | | |
| enq: CF - contention | 605 | 2.3 | 15.8 | 21.2 | 20.8 | 18.1 | 11.1 | 4.1 | 6.6 |
| enq: CR - block range reuse ckpt | 702 | 7.0 | 20.2 | 20.5 | 14.2 | 19.2 | 14.2 | 3.0 | 1.7 |
| enq: CT - state | 61 | 6.2 | 33.8 | 26.2 | 10.8 | 16.9 | 3.1 | 3.1 | |
| enq: DR - contention | 2 | | | 100.0 | | | | | |
| enq: DW - contention | 6 | | 16.7 | 16.7 | 50.0 | | 16.7 | | |
| enq: FB - contention | 43.5K | 3.0 | 22.3 | 29.0 | 20.6 | 15.2 | 7.6 | 1.7 | .6 |
| enq: HW - contention | 42.2K | 2.6 | 9.6 | 21.1 | 25.0 | 20.8 | 11.5 | 4.2 | 5.2 |
| enq: JG - queue lock | 64 | 1.3 | 1.3 | | 1.3 | 12.8 | 32.1 | 34.6 | 16.7 |
| enq: JS - job run lock - synchronize | 4 | | 25.0 | 25.0 | 25.0 | 25.0 | | | |
| enq: KI - contention | 233 | 15.8 | 21.6 | 23.7 | 15.5 | 14.0 | 6.8 | 2.2 | .4 |
| enq: KO - fast object checkpoint | 47 | 2.7 | 10.7 | 29.3 | 13.3 | 6.7 | 2.7 | | 34.7 |
| enq: MW - contention | 2 | | | 50.0 | 50.0 | | | | |
| enq: PS - contention | 1318 | 3.0 | 19.4 | 29.2 | 19.3 | 16.4 | 11.0 | 1.5 | .1 |
| enq: PW - flush prewarm buffers | 290 | 1.7 | 11.3 | 20.6 | 25.2 | 21.6 | 13.3 | 4.3 | 2.0 |
| enq: RO - fast object reuse | 750 | 4.4 | 16.4 | 18.4 | 12.4 | 18.5 | 16.7 | 7.2 | 6.0 |
| enq: RS - prevent file delete | 66 | 6.9 | 38.9 | 18.1 | 16.7 | 11.1 | 4.2 | 2.8 | 1.4 |
| enq: SM - contention | 10 | 16.7 | 8.3 | 16.7 | 16.7 | 33.3 | 8.3 | | |
| enq: SQ - contention | 5389 | .2 | 1.3 | 4.4 | 12.0 | 24.3 | 29.2 | 18.4 | 10.2 |
| enq: SV - contention | 113.2K | 3.1 | 2.1 | 4.8 | 11.3 | 23.9 | 25.7 | 13.0 | 16.1 |
| enq: TA - contention | 12 | | 16.7 | 50.0 | 16.7 | 8.3 | 8.3 | | |
| enq: TD - KTF dump entries | 8 | | | 25.0 | 25.0 | 12.5 | 37.5 | | |
| enq: TM - contention | 13 | | 26.7 | 13.3 | 33.3 | 13.3 | | | 13.3 |
| enq: TO - contention | 31 | 6.1 | 21.2 | 24.2 | 15.2 | 24.2 | 6.1 | 3.0 | |
| enq: TX - allocate ITL entry | 512 | .0 | .0 | .0 | .1 | .1 | .3 | .7 | 98.8 |
| enq: TX - contention | 172 | .7 | 3.0 | 3.5 | 4.8 | 6.6 | 4.3 | 8.3 | 68.8 |
| enq: TX - index contention | 329.5K | 6.2 | 10.0 | 16.1 | 19.2 | 17.2 | 12.4 | 7.2 | 11.7 |
| enq: TX - row lock contention | 5725 | .2 | .1 | .2 | .2 | .3 | .5 | 1.0 | 97.5 |
| enq: US - contention | 99 | 1.9 | 3.4 | 4.8 | 1.0 | 1.4 | 1.9 | 35.3 | 50.2 |
| enq: WF - contention | 69 | 7.9 | 25.0 | 32.9 | 19.7 | 7.9 | 3.9 | 1.3 | 1.3 |
| enq: WL - contention | 12 | | 20.0 | 20.0 | 26.7 | 13.3 | | | 20.0 |
| enq: XR - database force logging | 1053 | 7.1 | 25.9 | 23.0 | 19.8 | 12.2 | 8.2 | 2.2 | 1.6 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| gc buffer busy acquire | 7674 | 4.0 | 6.2 | 19.8 | 29.3 | 24.6 | 11.8 | 2.6 | 1.8 |
| gc buffer busy release | 88 | 16.2 | 19.2 | 12.3 | 16.2 | 8.5 | 9.2 | 2.3 | 16.2 |
| gc cr block 2-way | 5574 | 45.2 | 18.0 | 15.0 | 10.0 | 6.9 | 4.1 | .5 | .2 |
| gc cr block busy | 33 | | | 9.1 | 21.2 | 27.3 | 36.4 | 6.1 | |
| gc cr disk read | 1154 | 44.5 | 14.6 | 14.2 | 11.2 | 9.1 | 4.8 | 1.0 | .6 |
| gc cr grant 2-way | 318.9K | 40.6 | 21.1 | 16.6 | 11.2 | 7.5 | 2.6 | .3 | .1 |
| gc cr grant congested | 57 | | | 8.3 | 23.3 | 25.0 | 26.7 | 11.7 | 5.0 |
| gc cr multi block grant | 36.5K | 24.4 | 20.3 | 22.9 | 15.8 | 11.0 | 4.8 | .7 | .3 |
| gc cr multi block mixed | 143.4K | 48.9 | 22.0 | 14.5 | 8.1 | 4.5 | 1.7 | .2 | .1 |
| gc current block 2-way | 65.1K | 56.1 | 16.7 | 12.5 | 7.5 | 4.9 | 1.9 | .3 | .0 |
| gc current block busy | 793 | 40.7 | 18.8 | 16.2 | 9.9 | 10.1 | 2.9 | 1.0 | .5 |
| gc current block congested | 4 | | | | 25.0 | 25.0 | 25.0 | 25.0 | |
| gc current grant 2-way | 491.8K | 32.6 | 20.9 | 18.8 | 13.8 | 9.4 | 3.7 | .6 | .1 |
| gc current grant busy | 12K | 25.2 | 20.0 | 22.0 | 15.5 | 11.0 | 4.9 | 1.0 | .3 |
| gc current grant congested | 63 | | | 7.6 | 16.7 | 24.2 | 30.3 | 16.7 | 4.5 |
| gc current grant read-mostly invalidation | 1.7M | 2.5 | 20.2 | 32.9 | 22.4 | 13.2 | 7.1 | 1.3 | .3 |
| gc current multi block request | 18.8K | 1.2 | 13.9 | 27.5 | 24.1 | 20.0 | 10.3 | 2.4 | .6 |
| gc current retry | 1 | 50.0 | | | | | | 50.0 | |
| gcs log flush sync | 2089 | 50.6 | 10.5 | 13.6 | 14.0 | 7.7 | 2.6 | .9 | |
| ges LMD suspend for testing event | 1 | 25.0 | | | | | | 25.0 | 50.0 |
| ges inquiry response | 37 | | 24.3 | 40.5 | 16.2 | 5.4 | 13.5 | | |
| ges message buffer allocation | 8 | 63.6 | | | | | 27.3 | 9.1 | |
| global enqueue expand wait | 1950 | 68.4 | 12.9 | 8.7 | 5.4 | 2.2 | 1.0 | .3 | 1.1 |
| kfk: async disk IO | 175 | 13.8 | 43.8 | 30.5 | 6.9 | 3.4 | 1.0 | .5 | |
| kjctssqmg: quick message send wait | 1 | 75.0 | | | | | 25.0 | | |
| ksxr poll remote instances | 7 | 99.9 | .0 | .0 | .0 | | | .0 | .0 |
| latch free | 424.2K | 45.8 | 9.6 | 12.8 | 12.7 | 8.6 | 5.0 | 2.8 | 2.6 |
| latch: MGA heap latch | 14 | 53.3 | 20.0 | 13.3 | 10.0 | 3.3 | | | |
| latch: MGA shared context latch | 1271 | 4.1 | 6.5 | 14.2 | 16.8 | 19.8 | 14.6 | 8.7 | 15.5 |
| latch: MGA shared context root latch | 1238 | .1 | .6 | 2.2 | 7.2 | 14.5 | 25.0 | 22.7 | 27.7 |
| latch: active service list | 44 | 39.7 | 19.2 | 11.5 | 6.4 | 6.4 | 11.5 | 1.3 | 3.8 |
| latch: cache buffer handles | 3 | 50.0 | 33.3 | | | | 16.7 | | |
| latch: cache buffers chains | 695.9K | 54.7 | 13.5 | 12.3 | 9.0 | 5.6 | 2.8 | 1.2 | .9 |
| latch: cache buffers lru chain | 11.7K | 53.2 | 11.9 | 12.3 | 9.8 | 6.2 | 3.4 | 1.8 | 1.4 |
| latch: call allocation | 31 | 40.4 | 28.8 | 9.6 | 3.8 | 13.5 | 1.9 | 1.9 | |
| latch: checkpoint queue latch | 739 | 49.7 | 11.5 | 12.7 | 11.9 | 7.2 | 4.1 | 1.1 | 1.8 |
| latch: enqueue hash chains | 6592 | 43.7 | 10.4 | 9.7 | 8.3 | 6.4 | 6.1 | 5.7 | 9.6 |
| latch: gc element | 600 | 36.6 | 9.7 | 11.8 | 12.9 | 13.8 | 7.1 | 3.4 | 4.6 |
| latch: gcs resource hash | 257 | 52.0 | 11.4 | 13.1 | 10.3 | 7.7 | 3.7 | 1.1 | .7 |
| latch: ges resource hash list | 89.9K | 9.8 | .4 | .3 | .2 | .1 | .1 | .1 | 89.0 |
| latch: kjci process context latch | 111 | 57.3 | 13.0 | 13.0 | 8.4 | 4.6 | 1.9 | 1.5 | .4 |
| latch: lob segment dispenser latch | 9 | 71.9 | 6.3 | 9.4 | 3.1 | 9.4 | | | |
| latch: lob segment hash table latch | 29 | 23.7 | 15.8 | 31.6 | 28.9 | | | | |
| latch: messages | 1024 | 63.5 | 9.6 | 8.7 | 6.5 | 5.1 | 2.9 | 2.7 | 1.0 |
| latch: object queue header operation | 1219 | 16.2 | 10.3 | 15.6 | 19.5 | 14.9 | 11.5 | 6.3 | 5.7 |
| latch: parallel query alloc buffer | 12 | 33.3 | | 11.1 | 11.1 | 33.3 | 11.1 | | |
| latch: redo allocation | 24.9K | 56.1 | 11.4 | 11.1 | 9.1 | 6.6 | 3.6 | 1.2 | .9 |
| latch: redo writing | 35.1K | 16.8 | 9.5 | 15.6 | 21.0 | 20.0 | 11.5 | 4.0 | 1.6 |
| latch: session allocation | 22 | 75.3 | 11.2 | 5.6 | 7.9 | | | | |
| latch: shared pool | 433 | 40.1 | 10.5 | 18.8 | 13.9 | 8.6 | 4.8 | 2.5 | .8 |
| latch: undo global data | 476.1K | 31.6 | 9.6 | 11.2 | 11.8 | 11.9 | 10.9 | 7.8 | 5.2 |
| libcache interrupt action by LCK | 1 | 100.0 | .0 | | | | | | |
| library cache load lock | 18 | 63.3 | 16.3 | 4.1 | 4.1 | 6.1 | 6.1 | | |
| library cache lock | 571 | .3 | 4.2 | 12.0 | 16.5 | 21.4 | 17.9 | 14.6 | 13.1 |
| library cache pin | 273 | 4.5 | 16.7 | 24.0 | 22.2 | 15.3 | 12.5 | 4.2 | .7 |
| library cache: bucket mutex X | 82.7K | 57.9 | 8.6 | 8.4 | 7.8 | 5.7 | 8.2 | 2.2 | 1.2 |
| library cache: mutex X | 12.1M | 59.3 | 8.6 | 8.8 | 7.7 | 5.7 | 7.1 | 2.2 | .8 |
| local write wait | 24 | | | | | 29.2 | 41.7 | 29.2 | |
| lock escalate retry | 1 | 50.0 | | | 50.0 | | | | |
| log file parallel write | 3.9M | 1.1 | 25.5 | 46.7 | 19.2 | 5.3 | 1.8 | .3 | .1 |
| log file sequential read | 3279 | 5.3 | 5.3 | 16.1 | 36.6 | 22.2 | 7.1 | 3.1 | 4.2 |
| log file single write | 66 | 31.3 | 33.3 | 18.8 | 5.2 | 4.2 | 5.2 | 2.1 | |
| log file switch completion | 2681 | | | .0 | .1 | .7 | 2.8 | 8.4 | 88.0 |
| log file sync | 7.2M | .0 | .1 | .8 | 10.7 | 35.9 | 33.1 | 13.9 | 5.5 |
| name-service call wait | 178 | 25.3 | 4.9 | 16.3 | 19.6 | 15.5 | 13.1 | 3.3 | 2.0 |
| oracle thread bootstrap | 13 | 5.7 | | | .3 | .3 | 1.4 | 1.6 | 90.8 |
| oradebug request completion | 17 | | | | | 4.9 | 14.6 | 22.0 | 58.5 |
| os thread creation | 247 | | | | | | 13.6 | 53.4 | 33.1 |
| rdbms ipc reply | 99 | 11.6 | 4.5 | 17.0 | 33.9 | 20.5 | 8.9 | 3.6 | |
| read by other session | 54.2K | 10.7 | 21.9 | 28.9 | 21.0 | 10.7 | 4.4 | 1.4 | 1.0 |
| redo log switch request completion | 1 | | | | | | 50.0 | | 50.0 |
| reliable message | 1415 | | 4.2 | 16.6 | 17.4 | 16.8 | 16.7 | 12.8 | 15.6 |
| row cache lock | 49.4K | 1.0 | 13.9 | 34.0 | 25.8 | 14.7 | 8.3 | 1.7 | .6 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| row cache mutex | 13.4K | 55.4 | 11.7 | 9.6 | 6.2 | 3.6 | 10.7 | 2.1 | .7 |
| row cache read | 38 | 47.9 | 11.0 | 12.3 | 6.8 | 9.6 | 8.2 | 4.1 | |
| transaction | 2 | 100.0 | .0 | | | | | | |
| wait list latch free | 16.9K | | .0 | 64.1 | 15.8 | 7.4 | 4.2 | 2.8 | 5.6 |
| write complete waits | 48 | 6.2 | 3.1 | 13.8 | 10.8 | 20.0 | 12.3 | 13.8 | 20.0 |

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# Wait Event Histogram (up to 2 sec)

- Units for Total Waits column: K is 1000, M is 1000000, G is 1000000000
- Units for % of Total Waits: ms is milliseconds s is 1024 milliseconds (approximately 1 second)
- % of Total Waits: total waits for all wait classes, including Idle
- % of Total Waits: value of .0 indicates value was <.05%; value of null is truly 0
- Ordered by Event (only non-idle events are displayed)

| | | % of Total Waits | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Event | Waits 64ms to 2s | <32ms | <64ms | <1/8s | <1/4s | <1/2s | <1s | <2s | >=2s |
| ADR block file read | 1 | 97.5 | 2.5 | | | | | | |
| ADR block file write | 2 | 91.7 | 4.2 | 4.2 | | | | | |
| ASM IO for non-blocking poll | 30 | 100.0 | .0 | .0 | .0 | .0 | | | |
| ASM file metadata operation | 299 | 99.8 | .1 | .0 | .0 | .0 | .0 | .0 | |
| Backup: MML commit backup piece | 17 | | 17.6 | 58.8 | 17.6 | 5.9 | | | |
| Backup: MML extended initialization | 35 | | | | | | | 97.2 | 2.8 |
| Backup: MML write backup piece | 60.5K | 74.0 | 11.9 | 9.1 | 3.6 | 1.1 | .2 | .0 | .0 |
| CGS wait for IPC msg | 1 | 100.0 | .0 | | | | | | |
| CSS initialization | 32 | 94.4 | 3.7 | .9 | .9 | .2 | | | |
| CSS operation: action | 3 | 99.7 | .3 | | | | | | |
| CSS operation: query | 4 | 99.8 | .1 | | .1 | | | | |
| DLM cross inst call completion | 2425 | 99.3 | .5 | .2 | .0 | .0 | .0 | .0 | |
| Data file init write | 17 | 99.0 | .9 | .1 | .1 | | | | |
| Disk file operations I/O | 231 | 100.0 | .0 | .0 | .0 | .0 | .0 | .0 | |
| IMR slave acknowledgement msg | 15 | 99.9 | .0 | .1 | .0 | | | | |
| IPC group service call | 1 | 100.0 | .0 | | | | | | |
| IPC send completion sync | 2 | 100.0 | .0 | | .0 | | | | |
| JS kgl get object wait | 3 | | | 100.0 | | | | | |
| KJC: Wait for msg sends to complete | 23 | 100.0 | .0 | .0 | .0 | | | | |
| KSV master wait | 373 | 96.4 | 2.3 | .7 | .2 | .2 | .2 | .0 | |
| LGWR any worker group | 2541 | 99.8 | .2 | .0 | .0 | .0 | .0 | | |
| LGWR intra group IO completion | 1190 | 99.9 | .1 | .0 | .0 | .0 | .0 | | |
| LGWR intra group sync | 8723 | 99.7 | .3 | .1 | .0 | .0 | .0 | | |
| LGWR wait for redo copy | 178 | 99.1 | .6 | .2 | .1 | .0 | .0 | | |
| LGWR worker group ordering | 1949 | 99.5 | .4 | .1 | .0 | .0 | .0 | | |
| Log archive I/O | 1360 | 99.3 | .5 | .1 | .0 | | .0 | | |
| PGA memory operation | 52 | 100.0 | .0 | .0 | .0 | .0 | | | |
| PX Deq: Join ACK | 37 | 98.2 | 1.6 | .1 | .1 | | | | |
| PX Deq: Signal ACK EXT | 19 | 99.1 | .6 | .1 | .1 | | | | |
| PX Deq: Slave Session Stats | 100 | 97.1 | 1.0 | .4 | 1.0 | .5 | | | |
| PX Deq: Table Q Get Keys | 5 | 12.5 | | | | | 3.1 | 12.5 | 71.9 |
| PX Deq: reap credit | 13 | 100.0 | .0 | .0 | | .0 | | | |
| RMAN backup & recovery I/O | 217 | 96.0 | 2.3 | 1.2 | .3 | .1 | | | |
| SQL*Net break/reset to client | 60 | 99.8 | .1 | .1 | .0 | .0 | | | |
| SQL*Net message to client | 119 | 100.0 | .0 | .0 | .0 | .0 | | | |
| SQL*Net more data from client | 5623 | 99.6 | .0 | .0 | .3 | .0 | .0 | | |
| SQL*Net more data to client | 162 | 100.0 | .0 | .0 | .0 | .0 | .0 | | |
| Sync ASM rebalance | 704 | 94.7 | 4.5 | .6 | .1 | | | | |
| buffer busy waits | 63.8K | 97.0 | 1.2 | .8 | .6 | .3 | .0 | .0 | |
| buffer deadlock | 151 | 99.3 | .6 | .1 | .0 | | | | |
| control file parallel write | 51 | 98.9 | .8 | .2 | .0 | | | | |
| control file sequential read | 486 | 99.6 | .2 | .1 | .0 | .0 | .0 | .0 | |
| cursor: pin S | 2997 | 99.2 | .4 | .3 | .0 | .1 | | | |
| db file async I/O submit | 959 | 100.0 | .0 | .0 | .0 | .0 | | | |
| db file parallel read | 99 | 99.6 | .3 | .1 | .0 | | .0 | | |
| db file parallel write | 16.6K | 99.8 | .1 | .0 | .0 | .0 | .0 | .0 | |
| db file scattered read | 167 | 99.9 | .1 | .0 | .0 | .0 | | | |
| db file sequential read | 21.4K | 99.9 | .1 | .0 | .0 | .0 | .0 | .0 | |
| direct path read | 5205 | 99.8 | .1 | .1 | .0 | .0 | .0 | .0 | |
| direct path read temp | 10 | 99.7 | .3 | .0 | | | | | |
| direct path write | 924 | 99.8 | .1 | .0 | .0 | .0 | .0 | | |
| direct path write temp | 15 | 99.7 | .2 | .1 | .0 | | | | |
| enq: CF - contention | 44 | 93.4 | 1.5 | 3.0 | 1.2 | .8 | .2 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| enq: CR - block range reuse ckpt | 13 | 98.3 | 1.7 | | | | | | |
| enq: DA - Slave Process Array | 3 | | | | 33.3 | 66.7 | | | |
| enq: FB - contention | 274 | 99.4 | .4 | .1 | .0 | .0 | .0 | | |
| enq: HW - contention | 2362 | 94.8 | 2.2 | 1.5 | 1.1 | .3 | .0 | | |
| enq: JG - queue lock | 13 | 83.3 | 11.5 | 5.1 | | | | | |
| enq: KI - contention | 1 | 99.6 | .4 | | | | | | |
| enq: KO - fast object checkpoint | 26 | 65.3 | | 1.3 | 2.7 | 4.0 | 17.3 | 9.3 | |
| enq: PR - contention | 6 | | | 50.0 | 16.7 | 33.3 | | | |
| enq: PS - contention | 2 | 99.9 | .1 | .1 | | | | | |
| enq: PW - flush prewarm buffers | 6 | 98.0 | 1.7 | .3 | | | | | |
| enq: RO - fast object reuse | 50 | 94.0 | 4.1 | 1.3 | .5 | .1 | | | |
| enq: RS - prevent file delete | 1 | 98.6 | | 1.4 | | | | | |
| enq: SQ - contention | 611 | 89.8 | 2.1 | 5.1 | 2.9 | | | | |
| enq: SV - contention | 22.6K | 83.9 | 6.4 | 4.6 | 2.7 | 1.3 | .9 | .3 | .0 |
| enq: TM - contention | 2 | 86.7 | | 13.3 | | | | | |
| enq: TX - allocate ITL entry | 41.6K | 1.2 | 1.8 | 3.8 | 7.6 | 13.3 | 64.3 | 8.1 | .0 |
| enq: TX - contention | 388 | 31.2 | 17.4 | 23.4 | 23.6 | 4.4 | | | |
| enq: TX - index contention | 46.9K | 88.3 | 4.1 | 3.5 | 2.6 | 1.2 | .3 | .1 | |
| enq: TX - row lock contention | 221.1K | 2.5 | 2.3 | 4.9 | 17.6 | 38.3 | 21.1 | 6.7 | 6.5 |
| enq: US - contention | 104 | 49.8 | 42.5 | 7.7 | | | | | |
| enq: WF - contention | 1 | 98.7 | 1.3 | | | | | | |
| enq: XR - database force logging | 19 | 98.4 | 1.0 | .4 | .2 | | | | |
| gc buffer busy acquire | 144 | 98.2 | .7 | .5 | .2 | .2 | .1 | .1 | |
| gc buffer busy release | 21 | 83.8 | 3.8 | 8.5 | 3.1 | .8 | | | |
| gc cr block 2-way | 17 | 99.8 | .1 | .0 | .0 | | | | |
| gc cr disk read | 13 | 99.4 | .6 | | | | | | |
| gc cr grant 2-way | 341 | 99.9 | .1 | .0 | .0 | | | | |
| gc cr grant congested | 3 | 95.0 | 3.3 | 1.7 | | | | | |
| gc cr multi block grant | 139 | 99.7 | .2 | .1 | .0 | | .0 | | |
| gc cr multi block mixed | 141 | 99.9 | .0 | .0 | .0 | .0 | .0 | | |
| gc current block 2-way | 67 | 100.0 | .0 | .0 | .0 | | | | |
| gc current block busy | 7 | 99.5 | .1 | .3 | .1 | | | | |
| gc current grant 2-way | 926 | 99.9 | .1 | .0 | .0 | | | | |
| gc current grant busy | 51 | 99.7 | .3 | .1 | | | | | |
| gc current grant congested | 3 | 95.5 | 1.5 | 1.5 | 1.5 | | | | |
| gc current grant read-mostly invalidation | 5075 | 99.7 | .2 | .1 | .0 | .0 | .0 | | |
| gc current multi block request | 109 | 99.4 | .4 | .1 | .0 | | | | |
| ges LMD suspend for testing event | 2 | 50.0 | | | 50.0 | | | | |
| global enqueue expand wait | 73 | 98.9 | .3 | .5 | .4 | | | | |
| inactive session | 6 | | | 50.0 | 16.7 | 16.7 | 16.7 | | |
| ksxr poll remote instances | 1 | 100.0 | .0 | | | | | | |
| latch free | 21.7K | 97.4 | 1.4 | .8 | .3 | .1 | .0 | | |
| latch: MGA shared context latch | 244 | 84.5 | 3.7 | 1.9 | 1.3 | 2.3 | 3.9 | 2.3 | |
| latch: MGA shared context root latch | 475 | 72.3 | 12.7 | 10.4 | 2.6 | .9 | .2 | .9 | |
| latch: active service list | 3 | 96.2 | 1.3 | 2.6 | | | | | |
| latch: cache buffers chains | 14.8K | 99.1 | .5 | .2 | .1 | .2 | .0 | .0 | |
| latch: cache buffers lru chain | 364 | 98.6 | .9 | .4 | .1 | .0 | | | |
| latch: checkpoint queue latch | 27 | 98.2 | 1.2 | .5 | | | | | |
| latch: enqueue hash chains | 1359 | 90.4 | 3.0 | 2.6 | 3.5 | .5 | | | |
| latch: gc element | 47 | 95.4 | 3.0 | 1.6 | | | | | |
| latch: gcs resource hash | 4 | 99.3 | .2 | .4 | .2 | | | | |
| latch: ges resource hash list | 6.6M | 11.0 | .9 | 9.4 | 43.2 | 31.6 | 3.6 | .3 | .0 |
| latch: kjci process context latch | 1 | 99.6 | | .4 | | | | | |
| latch: messages | 28 | 99.0 | .5 | .5 | | | | | |
| latch: object queue header operation | 89 | 94.3 | 4.4 | 1.0 | .1 | .2 | | | |
| latch: redo allocation | 536 | 99.1 | .5 | .4 | .1 | | | | |
| latch: redo writing | 691 | 98.4 | 1.2 | .4 | .0 | | | | |
| latch: shared pool | 6 | 99.2 | .8 | | | | | | |
| latch: undo global data | 38.8K | 94.8 | 3.5 | 1.1 | .4 | .1 | .0 | | |
| library cache lock | 86 | 86.9 | 8.2 | 3.5 | .5 | .6 | .3 | | |
| library cache pin | 2 | 99.3 | .7 | | | | | | |
| library cache: bucket mutex X | 2511 | 98.8 | .8 | .2 | .2 | .1 | .0 | | |
| library cache: mutex X | 234.1K | 99.2 | .6 | .1 | .0 | .0 | .0 | .0 | |
| log file parallel write | 4523 | 99.9 | .1 | .0 | .0 | .0 | .0 | | |
| log file sequential read | 152 | 95.8 | 2.1 | 1.4 | .5 | .1 | .1 | | |
| log file switch completion | 19.7K | 12.0 | 24.9 | 54.1 | 8.8 | .1 | | | |
| log file sync | 422.2K | 94.5 | 3.8 | 1.3 | .3 | .1 | .0 | | |
| name-service call wait | 5 | 98.0 | 1.2 | .8 | | | | | |
| oracle thread bootstrap | 334 | 9.2 | 2.2 | 16.3 | 40.9 | 22.8 | 5.4 | 3.0 | .3 |
| oradebug request completion | 23 | 41.5 | 2.4 | 17.1 | 4.9 | 7.3 | 19.5 | 4.9 | 2.4 |
| os thread creation | 122 | 66.9 | 17.1 | 6.2 | 4.9 | 2.7 | 1.6 | .5 | |
| process terminate | 12 | | 8.3 | 91.7 | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| read by other session | 595 | 99.0 | .6 | .3 | .1 | .0 | .0 | |
| recovery area: computing backed up files | 4 | | | | 25.0 | 75.0 | | |
| recovery area: computing dropped files | 4 | | | 25.0 | | 75.0 | | |
| redo log switch request completion | 1 | 50.0 | 50.0 | | | | | |
| reliable message | 262 | 84.4 | 4.8 | 2.5 | 2.3 | 3.8 | 2.1 | .1 |
| row cache lock | 321 | 99.4 | .3 | .2 | .1 | .0 | .0 | .0 |
| row cache mutex | 210 | 99.3 | .6 | .1 | .0 | | | |
| wait list latch free | 1010 | 94.4 | 2.2 | 2.2 | 1.3 | | | |
| write complete waits | 13 | 80.0 | 7.7 | 3.1 | 9.2 | | | |

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# Wait Event Histogram (up to 2 min)

- Units for Total Waits column: K is 1000, M is 1000000, G is 1000000000
- Units for % of Total Waits: s is 1024 milliseconds (approximately 1 second) m is 64*1024 milliseconds (approximately 67 seconds or 1.12 minutes)
- % of Total Waits: total waits for all wait classes, including Idle
- % of Total Waits: value of .0 indicates value was <.05%; value of null is truly 0
- Ordered by Event (only non-idle events are displayed)

| | | % of Total Waits | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Event | Waits 4s to 2m | <2s | <4s | <8s | <16s | <32s | < 1m | < 2m | >=2m |
| Backup: MML create a backup piece | 20 | 4.8 | | 4.8 | 52.4 | 38.1 | | | |
| Backup: MML extended initialization | 1 | 97.2 | 2.8 | | | | | | |
| Backup: MML query backup piece | 12 | 71.4 | | | 2.4 | 26.2 | | | |
| Backup: MML shutdown | 24 | | 100.0 | | | | | | |
| Backup: MML write backup piece | 3 | 100.0 | .0 | | | | | | |
| PX Deq: Table Q Get Keys | 23 | 28.1 | 18.8 | 31.3 | 21.9 | | | | |
| enq: SV - contention | 14 | 100.0 | .0 | | | | | | |
| enq: TX - allocate ITL entry | 12 | 100.0 | .0 | .0 | .0 | .0 | .0 | | |
| enq: TX - row lock contention | 15.7K | 93.5 | 2.6 | .5 | 3.2 | .1 | .0 | | .0 |
| enq: WL - contention | 3 | 80.0 | 6.7 | | | 6.7 | 6.7 | | |
| latch: ges resource hash list | 762 | 100.0 | .0 | | | | | | |
| oracle thread bootstrap | 1 | 99.7 | .3 | | | | | | |
| oradebug request completion | 1 | 97.6 | 2.4 | | | | | | |
| process diagnostic dump | 2 | | | 50.0 | 50.0 | | | | |
| recovery area: computing obsolete files | 4 | | | | 50.0 | 50.0 | | | |

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# Wait Event Histogram (up to 1 hr)

- Units for Total Waits column: K is 1000, M is 1000000, G is 1000000000
- Units for % of Total Waits: m is 64*1024 milliseconds (approximately 67 seconds or 1.12 minutes) h is 4096*1024 milliseconds (approximately 72 minutes or 1.19 hours)
- % of Total Waits: total waits for all wait classes, including Idle
- % of Total Waits: value of .0 indicates value was <.05%; value of null is truly 0
- Ordered by Event (only non-idle events are displayed)

| | | % of Total Waits | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Event | Waits 4m to 1h | <2m | <4m | <8m | <1/4h | <1/2h | < 1h | >=1h |
| enq: TX - row lock contention | 13 | 100.0 | .0 | | | | | |

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# Service Statistics

- ordered by DB Time

| Service Name | DB Time (s) | DB CPU (s) | Physical Reads (K) | Logical Reads (K) |
|---|---|---|---|---|
| q05eoagent01 | 2,294,711 | 306,230 | 21,405 | 9,214,290 |
| q05eosrvc201 | 215,673 | 19,786 | 987 | 482,004 |
| q05eosrvc101 | 67,709 | 34,146 | 847 | 730,473 |
| oq05eodbsvc | 20,512 | 7,231 | 32,716 | 923,774 |
| q05eoweb01 | 7,981 | 4,955 | 3 | 85,301 |
| q05eofms01 | 2,807 | 1,882 | 558 | 118,048 |
| SYS$BACKGROUND | 2,309 | 1,872 | 48 | 129,128 |
| SYS$USERS | 1,874 | 634 | 298 | 11,201 |
| q05eoeoms01 | 1,616 | 1,308 | 73 | 12,548 |
| oq05eodb01svc | 286 | 146 | 0 | 1,579 |

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## Service Wait Class Stats

- Wait Class info for services in the Service Statistics section.
- Total Waits and Time Waited displayed for the following wait classes: User I/O, Concurrency, Administrative, Network
- Time Waited (Wt Time) in seconds

| Service Name | User I/O Total Wts | User I/O Wt Time | Concurcy Total Wts | Concurcy Wt Time | Admin Total Wts | Admin Wt Time | Network Total Wts | Network Wt Time |
|---|---|---|---|---|---|---|---|---|
| q05eoagent01 | 21354707 | 27300 | 31341439 | 89772 | 0 | 0 | 998986672 | 5864 |
| q05eosrvc201 | 1185220 | 1904 | 3043329 | 9397 | 0 | 0 | 61147796 | 209 |
| q05eosrvc101 | 1196262 | 1481 | 476155 | 1485 | 0 | 0 | 127442457 | 394 |
| oq05eodbsvc | 881748 | 1306 | 176213 | 485 | 0 | 0 | 1470790 | 317 |
| q05eoweb01 | 9917 | 11 | 49397 | 148 | 0 | 0 | 21795168 | 154 |
| q05eofms01 | 972901 | 551 | 3581 | 17 | 0 | 0 | 4614047 | 79 |
| SYS$BACKGROUND | 377377 | 56 | 219876 | 78 | 0 | 0 | 4654 | 0 |
| SYS$USERS | 322416 | 120 | 674 | 4 | 233256 | 8135 | 122691 | 23 |
| q05eoeoms01 | 82131 | 142 | 5348 | 20 | 0 | 0 | 5473715 | 29 |
| oq05eodb01svc | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 0 |

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## Top 10 Channel Waits

- Top 10 Channel Waits by wait time

| Channel | Waits | Total Wait Time (s) | Avg Wait |
|---|---|---|---|
| MMON remote action broadcast channel | 3 | 0 | 80.59ms |
| kxfp remote slave spawn channel | 3 | 1 | 235.46ms |
| GEN0 ksbxic channel | 59 | 4 | 65.90ms |
| obj broadcast channel | 387 | 16 | 42.38ms |
| RBR channel | 302 | 21 | 70.24ms |
| kxfp control signal channel | 920 | 33 | 36.37ms |

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## Top Process Types by Wait Class

- This table displays top process types ordered by wait class

| Process Type | Description | Wait Class Type | Wait Time (sec) |
|---|---|---|---|
| | Others (foregrounds + unclassified backgrounds) | Other | 1,746,858.12 |
| | Others (foregrounds + unclassified backgrounds) | Application | 234,752.88 |
| | Others (foregrounds + unclassified backgrounds) | Concurrency | 101,466.77 |
| | Others (foregrounds + unclassified backgrounds) | Commit | 100,626.13 |
| | Others (foregrounds + unclassified backgrounds) | Configuration | 38,370.29 |
| | Others (foregrounds + unclassified backgrounds) | User I/O | 31,419.67 |
| LG | Log Writer Slave | Other | 11,352.49 |
| | Others (foregrounds + unclassified backgrounds) | Cluster | 9,029.94 |
| | Others (foregrounds + unclassified backgrounds) | Administrative | 8,155.32 |
| LG | Log Writer Slave | System I/O | 8,010.50 |
| | Others (foregrounds + unclassified backgrounds) | Network | 7,043.70 |
| LGWR | Redo etc. | Other | 3,263.45 |
| DBW3 | db writer process 3 | System I/O | 1,712.48 |
| DBW1 | db writer process 1 | System I/O | 1,701.27 |
| DBW2 | db writer process 2 | System I/O | 1,697.79 |
| DBW0 | db writer process 0 | System I/O | 1,661.56 |
| DBWb | db writer process 11 (b) | System I/O | 1,594.88 |
| DBW6 | db writer process 6 | System I/O | 1,594.71 |
| DBW4 | db writer process 4 | System I/O | 1,591.22 |
| DBWa | db writer process 10 (a) | System I/O | 1,576.47 |

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## Top Process Types by CPU Used

- This table displays top process types ordered by CPU time

| Process Type | Description | CPU Time (sec) |
|---|---|---|
| | Others (foregrounds + unclassified backgrounds) | 378,145.67 |
| P | Parallel query slave | 2,821.20 |
| LG | Log Writer Slave | 1,643.83 |
| LM | global cache service process | 1,294.00 |
| DIA0 | diagnosibility process 0 | 1,117.04 |
| W | space management slave pool | 419.24 |
| DBW2 | db writer process 2 | 291.92 |
| DBW1 | db writer process 1 | 289.98 |
| DBW3 | db writer process 3 | 288.08 |
| DBW0 | db writer process 0 | 276.30 |
| RS* | GCS RM Slave | 271.12 |
| DBW4 | db writer process 4 | 270.32 |
| DBW7 | db writer process 7 | 265.04 |
| DBWb | db writer process 11 (b) | 264.57 |
| DBW9 | db writer process 9 | 264.25 |
| DBW6 | db writer process 6 | 264.16 |
| DBW8 | db writer process 8 | 256.11 |
| DBW5 | db writer process 5 | 255.21 |
| DBWa | db writer process 10 (a) | 253.76 |
| CR* | GCS CR Slave | 249.48 |

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# SQL Statistics



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# SQL ordered by Elapsed Time

- Resources reported for PL/SQL code includes the resources used by all SQL statements called by the code.
- % Total DB Time is the Elapsed Time of the SQL statement divided into the Total Database Time multiplied by 100
- %Total - Elapsed Time as a percentage of Total DB time
- %CPU - CPU Time as a percentage of Elapsed Time
- %IO - User I/O Time as a percentage of Elapsed Time
- Captured SQL account for 84.6% of Total DB Time (s): 2,617,655
- Captured PL/SQL account for 0.1% of Total DB Time (s): 2,617,655

| Elapsed Time (s) | Executions | Elapsed Time per Exec (s) | %Total | %CPU | %IO | SQL Id | SQL Module | SQL Text |
|---|---|---|---|---|---|---|---|---|
| 1,806,978.67 | 47,322,164 | 0.04 | 69.03 | 0.56 | 0.00 | 8pvr9fks6m1r9 | CREATEORDER | SELECT /*YANTRA*/ TO_CHAR(sysd... |
| 129,832.02 | 3,857,578 | 0.03 | 4.96 | 0.98 | 0.05 | ccfrfn4vuhtt0 | ProcessReleaseHold | SELECT /*YANTRA*/ YFS_ORDER_HE... |
| 105,971.88 | 4,041 | 26.22 | 4.05 | 0.02 | 0.00 | 5953uw2xanr37 | CreateDeliveryReservation | SELECT /*YANTRA*/ YFS_RES_POOL... |
| 23,316.89 | 1,142,422 | 0.02 | 0.89 | 2.20 | 0.76 | 2ycq1d0fd6tum | CREATEORDER | INSERT /*YANTRA*/ INTO YFS_ORD... |
| 9,525.91 | 259,293 | 0.04 | 0.36 | 0.47 | 0.00 | gv04adv103cu6 | JDBC Thin Client | select SEQ_YFS_TABLE_KEY.nextv... |
| 8,316.30 | 13,293,349 | 0.00 | 0.32 | 52.30 | 0.30 | d6620mc5sj2u6 | Publish_Order_Event_2 | SELECT /*YANTRA*/ YFS_WORK_ORD... |
| 7,900.62 | 613,457 | 0.01 | 0.30 | 42.98 | 0.00 | f3g7txqz3htz7 | CREATEORDERNONSPU | SELECT /*YANTRA*/ YFS_ORG_RELA... |
| 7,269.56 | 11,924 | 0.61 | 0.28 | 50.96 | 0.00 | 8x9gn0s1sv70m | ReshipVerificationAgent | SELECT /*YANTRA*/ EOMS_ALLOWAN... |
| 7,263.32 | 1,806,297 | 0.00 | 0.28 | 19.49 | 10.10 | 7r14p9kchcdjk | PROCESSACK | INSERT /*YANTRA*/ INTO YFS_ORD... |
| 6,629.57 | 1 | 6,629.57 | 0.25 | 12.15 | 92.58 | 465r8tnpwgsbr | PreOrderReminder | SELECT /*YANTRA*/ YFS_ORDER_HE... |

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# SQL ordered by CPU Time

- Resources reported for PL/SQL code includes the resources used by all SQL statements called by the code.
- %Total - CPU Time as a percentage of Total DB CPU
- %CPU - CPU Time as a percentage of Elapsed Time
- %IO - User I/O Time as a percentage of Elapsed Time
- Captured SQL account for 21.5% of Total CPU Time (s): 378,448
- Captured PL/SQL account for 0.4% of Total CPU Time (s): 378,448

| CPU Time (s) | Executions | CPU per Exec (s) | %Total | Elapsed Time (s) | %CPU | %IO | SQL Id | SQL Module | SQL Text |
|---|---|---|---|---|---|---|---|---|---|
| 10,127.56 | 47,322,164 | 0.00 | 2.68 | 1,806,978.67 | 0.56 | 0.00 | 8pvr9fks6m1r9 | CREATEORDER | SELECT /*YANTRA*/ TO_CHAR(sysd... |
| 4,349.31 | 13,293,349 | 0.00 | 1.15 | 8,316.30 | 52.30 | 0.30 | d6620mc5sj2u6 | Publish_Order_Event_2 | SELECT /*YANTRA*/ YFS_WORK_ORD... |
| 3,818.93 | 18,085,655 | 0.00 | 1.01 | 5,988.95 | 63.77 | 20.08 | b67byfuh0rv0p | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_RE... |
| 3,704.21 | 11,924 | 0.31 | 0.98 | 7,269.56 | 50.96 | 0.00 | 8x9gn0s1sv70m | ReshipVerificationAgent | SELECT /*YANTRA*/ EOMS_ALLOWAN... |
| 3,395.71 | 613,457 | 0.01 | 0.90 | 7,900.62 | 42.98 | 0.00 | f3g7txqz3htz7 | CREATEORDERNONSPU | SELECT /*YANTRA*/ YFS_ORG_RELA... |
| 3,259.93 | 14,500,142 | 0.00 | 0.86 | 3,723.32 | 87.55 | 0.01 | dqy511zwmcq69 | Pass2Processor | SELECT /*YANTRA*/ YFS_ORDER_HE... |
| 2,477.56 | 10 | 247.76 | 0.65 | 2,604.12 | 95.14 | 0.02 | 1tf5zcj3npznk | SQL*Plus | select * from (SELECT :"SYS_B_... |
| 2,207.65 | 8,992,516 | 0.00 | 0.58 | 3,041.82 | 72.58 | 0.07 | 80g8aj3umx00x | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 2,066.10 | 7,655,709 | 0.00 | 0.55 | 3,459.90 | 59.72 | 11.65 | 2gkddyf8qzjbf | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_CHARGE_T... |
| 2,059.70 | 10,331,363 | 0.00 | 0.54 | 3,231.85 | 63.73 | 7.96 | fqq27u174x4t1 | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_LI... |

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## SQL ordered by User I/O Wait Time

- Resources reported for PL/SQL code includes the resources used by all SQL statements called by the code.
- %Total - User I/O Time as a percentage of Total User I/O Wait time
- %CPU - CPU Time as a percentage of Elapsed Time
- %IO - User I/O Time as a percentage of Elapsed Time
- Captured SQL account for 50.2% of Total User I/O Wait Time (s): 32,974
- Captured PL/SQL account for 0.0% of Total User I/O Wait Time (s): 32,974

| User I/O Time (s) | Executions | UIO per Exec (s) | %Total | Elapsed Time (s) | %CPU | %IO | SQL Id | SQL Module | SQL Text |
|---|---|---|---|---|---|---|---|---|---|
| 6,137.64 | 1 | 6,137.64 | 18.61 | 6,629.57 | 12.15 | 92.58 | 465r8tnpwgsbr | PreOrderReminder | SELECT /*YANTRA*/ YFS_ORDER_HE... |
| 1,206.36 | 75,678 | 0.02 | 3.66 | 1,534.45 | 12.67 | 78.62 | a2zgqbxrn6u8c | CREATEORDER | SELECT /*YANTRA*/ YFS_INBOX_AU... |
| 1,202.69 | 18,085,655 | 0.00 | 3.65 | 5,988.95 | 63.77 | 20.08 | b67byfuh0rv0p | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_RE... |
| 833.39 | 6,559,157 | 0.00 | 2.53 | 2,888.69 | 50.42 | 28.85 | 52x629rt3s9ux | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 824.91 | 505,934 | 0.00 | 2.50 | 2,568.95 | 46.02 | 32.11 | f7ytrk7fdxdwm | CREATEORDERNONSPU | INSERT /*YANTRA*/ INTO YFS_PER... |
| 746.15 | 113,735 | 0.01 | 2.26 | 1,428.18 | 25.19 | 52.24 | gbfz202ufu59w | CREATEORDER | INSERT /*YANTRA*/ INTO YFS_ORD... |
| 733.51 | 1,806,297 | 0.00 | 2.22 | 7,263.32 | 19.49 | 10.10 | 7r14p9kchcdjk | PROCESSACK | INSERT /*YANTRA*/ INTO YFS_ORD... |
| 543.45 | 8,215,741 | 0.00 | 1.65 | 2,162.81 | 63.90 | 25.13 | 2kg29p1qgq7vg | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_HO... |
| 403.04 | 7,655,709 | 0.00 | 1.22 | 3,459.90 | 59.72 | 11.65 | 2gkddyf8qzjbf | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_CHARGE_T... |
| 401.59 | 8,031,360 | 0.00 | 1.22 | 1,710.08 | 60.50 | 23.48 | 1zcxy9wsfy9aj | CREATEORDER | SELECT /*YANTRA*/ YFS_TAX_BREA... |
| 363.98 | 17,799,633 | 0.00 | 1.10 | 3,300.46 | 41.66 | 11.03 | 49swc7fmry6r1 | JDBC Thin Client | SELECT /*YANTRA*/ YFS_PERSON_I... |

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## SQL ordered by Gets

- Resources reported for PL/SQL code includes the resources used by all SQL statements called by the code.
- %Total - Buffer Gets as a percentage of Total Buffer Gets
- %CPU - CPU Time as a percentage of Elapsed Time
- %IO - User I/O Time as a percentage of Elapsed Time
- Total Buffer Gets: 11,707,426,181
- Captured SQL account for 60.2% of Total

| Buffer Gets | Executions | Gets per Exec | %Total | Elapsed Time (s) | %CPU | %IO | SQL Id | SQL Module | SQL Text |
|---|---|---|---|---|---|---|---|---|---|
| 548,233,613 | 13,293,349 | 41.24 | 4.68 | 8,316.30 | 52.3 | .3 | d6620mc5sj2u6 | Publish_Order_Event_2 | SELECT /*YANTRA*/ YFS_WORK_ORD... |
| 450,810,061 | 9 | 50,090,006.78 | 3.85 | 1,361.34 | 92.6 | 3.1 | gw4tv4mjv4ubr | PaymentProcessSettlement | SELECT YOH.ORDER_HEADER_KEY, Y... |
| 429,248,262 | 613,457 | 699.72 | 3.67 | 7,900.62 | 43 | 0 | f3g7txqz3htz7 | CREATEORDERNONSPU | SELECT /*YANTRA*/ YFS_ORG_RELA... |
| 376,097,015 | 18,085,655 | 20.80 | 3.21 | 5,988.95 | 63.8 | 20.1 | b67byfuh0rv0p | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_RE... |
| 353,047,062 | 8,992,516 | 39.26 | 3.02 | 3,041.82 | 72.6 | .1 | 80g8aj3umx00x | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 276,010,161 | 21 | 13,143,341.00 | 2.36 | 1,744.80 | 92.2 | 0 | bvu6r6404zzu0 | PAYMENT_EXECUTION | SELECT /*YANTRA*/ YFS_CHARGE_T... |
| 265,752,874 | 6,995,703 | 37.99 | 2.27 | 2,132.38 | 73.8 | 0 | 19z8ajg6qm0fm | ProcessReleaseHold | SELECT /*YANTRA*/ YFS_TASK_Q.*... |
| 262,134,212 | 11,924 | 21,983.75 | 2.24 | 7,269.56 | 51 | 0 | 8x9gn0s1sv70m | ReshipVerificationAgent | SELECT /*YANTRA*/ EOMS_ALLOWAN... |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 258,995,342 | 10 | 25,899,534.20 | 2.21 | 2,604.12 | 95.1 | 0 | 1tf5zcj3npznk | SQL*Plus | select * from (SELECT :"SYS_B_... |
| 241,112,379 | 7,655,709 | 31.49 | 2.06 | 3,459.90 | 59.7 | 11.6 | 2gkddyf8qzjbf | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_CHARGE_T... |
| 225,903,271 | 6,662,588 | 33.91 | 1.93 | 2,653.07 | 59.3 | 0 | 0n4b0y8h03zvt | JDBC Thin Client | SELECT /*YANTRA*/ YFS_CHARGE_T... |
| 217,939,414 | 17 | 12,819,965.53 | 1.86 | 1,032.25 | 92.9 | 0 | 3wcmb502bx24a | SQL*Plus | select * from (SELECT :"SYS_B_... |
| 210,644,253 | 14,786,413 | 14.25 | 1.80 | 2,440.40 | 60.2 | 7.4 | 2f33vzugkkcnw | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_CREDIT_C... |
| 198,828,727 | 6,673,014 | 29.80 | 1.70 | 2,173.24 | 58.6 | 10.1 | 80h68wwmrh2kf | JDBC Thin Client | SELECT /*YANTRA*/ YFS_REFERENC... |
| 190,185,492 | 10,331,363 | 18.41 | 1.62 | 3,231.85 | 63.7 | 8 | fqq27u174x4t1 | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 185,322,910 | 5,531,931 | 33.50 | 1.58 | 2,335.87 | 67.5 | .3 | 31qz78t5u14tx | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 176,214,243 | 6,559,157 | 26.87 | 1.51 | 2,888.69 | 50.4 | 28.9 | 52x629rt3s9ux | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 167,103,295 | 3,526,421 | 47.39 | 1.43 | 1,878.44 | 72.4 | 10.6 | dys9z85j6dj7p | DIGITAL_RELEASE | SELECT /*YANTRA*/ YFS_ORDER_RE... |
| 155,743,890 | 6,422,099 | 24.25 | 1.33 | 2,409.01 | 71 | 4.5 | 007hmhh979njh | ProcessReleaseHold | SELECT /*YANTRA*/ YFS_TASK_Q.*... |
| 120,053,893 | 9,422,477 | 12.74 | 1.03 | 1,606.28 | 66.7 | 3.6 | 1m4b72a00g1y5 | Publish_Order_Event_2 | SELECT /*YANTRA*/ YFS_ORDER_LI... |

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## SQL ordered by Reads

- %Total - Physical Reads as a percentage of Total Disk Reads
- %CPU - CPU Time as a percentage of Elapsed Time
- %IO - User I/O Time as a percentage of Elapsed Time
- Total Disk Reads: 56,959,867
- Captured SQL account for 17.4% of Total

| Physical Reads | Executions | Reads per Exec | %Total | Elapsed Time (s) | %CPU | %IO | SQL Id | SQL Module | SQL Text |
|---|---|---|---|---|---|---|---|---|---|
| 3,788,696 | 1 | 3,788,696.00 | 6.65 | 6,629.57 | 12.15 | 92.58 | 465r8tnpwgsbr | PreOrderReminder | SELECT /*YANTRA*/ YFS_ORDER_HE... |
| 736,261 | 75,678 | 9.73 | 1.29 | 1,534.45 | 12.67 | 78.62 | a2zgqbxrn6u8c | CREATEORDER | SELECT /*YANTRA*/ YFS_INBOX_AU... |
| 718,010 | 18,085,655 | 0.04 | 1.26 | 5,988.95 | 63.77 | 20.08 | b67byfuh0rv0p | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_RE... |
| 530,521 | 0 | | 0.93 | 623.17 | 25.16 | 52.85 | 2g94qaf5c1q8q | INVENTORY_RESERVATION_OPTIMIZER | SELECT /*YANTRA*/ YFS_ORDER_HE... |
| 459,345 | 6,559,157 | 0.07 | 0.81 | 2,888.69 | 50.42 | 28.85 | 52x629rt3s9ux | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 396,554 | 505,934 | 0.78 | 0.70 | 2,568.95 | 46.02 | 32.11 | f7ytrk7fdxdwm | CREATEORDERNONSPU | INSERT /*YANTRA*/ INTO YFS_PER... |
| 356,709 | 1,806,297 | 0.20 | 0.63 | 7,263.32 | 19.49 | 10.10 | 7r14p9kchcdjk | PROCESSACK | INSERT /*YANTRA*/ INTO YFS_ORD... |
| 302,046 | 8,215,741 | 0.04 | 0.53 | 2,162.81 | 63.90 | 25.13 | 2kg29p1qgq7vg | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_HO... |
| 270,382 | 113,735 | 2.38 | 0.47 | 1,428.18 | 25.19 | 52.24 | gbfz202ufu59w | CREATEORDER | INSERT /*YANTRA*/ INTO YFS_ORD... |
| 251,161 | 2 | 125,580.50 | 0.44 | 190.56 | 68.62 | 11.98 | ghpvca8pr5bng | emagent_SQL_rac_database | WITH jd AS (SELECT end_time, i... |

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## SQL ordered by Physical Reads (UnOptimized)

- UnOptimized Read Reqs = Physical Read Reqs - (Optimized Read Reqs - Cell Flash Cache Read Hits for Controlfile)
- %Opt - Optimized Reads as percentage of SQL Read Requests
- %Total - UnOptimized Read Reqs as a percentage of Total UnOptimized Read Reqs
- Total Physical Read Requests: 18,261,341
- Captured SQL account for 48.6% of Total
- Total UnOptimized Read Requests: 18,261,341
- Captured SQL account for 48.6% of Total
- Total Optimized Read Requests: 1
- Captured SQL account for 0.0% of Total

| UnOptimized Read Reqs | Physical Read Reqs | Executions | UnOptimized Reqs per Exec | %Opt | %Total | SQL Id | SQL Module | SQL Text |
|---|---|---|---|---|---|---|---|---|
| 3,788,696 | 3,788,696 | 1 | 3,788,696.00 | 0.00 | 20.75 | 465r8tnpwgsbr | PreOrderReminder | SELECT /*YANTRA*/ YFS_ORDER_HE... |
| 736,226 | 736,226 | 75,678 | 9.73 | 0.00 | 4.03 | a2zgqbxrn6u8c | CREATEORDER | SELECT /*YANTRA*/ YFS_INBOX_AU... |
| 718,427 | 718,427 | 18,085,655 | 0.04 | 0.00 | 3.93 | b67byfuh0rv0p | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_RE... |
| 459,334 | 459,334 | 6,559,157 | 0.07 | 0.00 | 2.52 | 52x629rt3s9ux | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 396,541 | 396,541 | 505,934 | 0.78 | 0.00 | 2.17 | f7ytrk7fdxdwm | CREATEORDERNONSPU | INSERT /*YANTRA*/ INTO YFS_PER... |
| 340,540 | 340,540 | 1,806,297 | 0.19 | 0.00 | 1.86 | 7r14p9kchcdjk | PROCESSACK | INSERT |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | /*YANTRA*/ INTO YFS_ORD... |
| 301,968 | 301,968 | 8,215,741 | | 0.04 | 0.00 | 1.65 | 2kg29p1qgq7vg | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_HO... |
| 222,971 | 222,971 | 8,031,360 | | 0.03 | 0.00 | 1.22 | 1zcxy9wsfy9aj | CREATEORDER | SELECT /*YANTRA*/ YFS_TAX_BREA... |
| 214,910 | 214,910 | 7,655,709 | | 0.03 | 0.00 | 1.18 | 2gkddyf8qzjbf | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_CHARGE_T... |
| 201,929 | 201,929 | 0 | | | 0.00 | 1.11 | 2g94qaf5c1q8q | INVENTORY_RESERVATION_OPTIMIZER | SELECT /*YANTRA*/ YFS_ORDER_HE... |
| 197,745 | 197,745 | 17,799,633 | | 0.01 | 0.00 | 1.08 | 49swc7fmry6r1 | JDBC Thin Client | SELECT /*YANTRA*/ YFS_PERSON_I... |

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## SQL ordered by Executions

- %CPU - CPU Time as a percentage of Elapsed Time
- %IO - User I/O Time as a percentage of Elapsed Time
- Total Executions: 731,794,947
- Captured SQL account for 52.6% of Total

| Executions | Rows Processed | Rows per Exec | Elapsed Time (s) | %CPU | %IO | SQL Id | SQL Module | SQL Text |
|---|---|---|---|---|---|---|---|---|
| 47,322,164 | 46,762,213 | 0.99 | 1,806,978.67 | .6 | 0 | 8pvr9fks6m1r9 | CREATEORDER | SELECT /*YANTRA*/ TO_CHAR(sysd... |
| 18,955,292 | 18,600,764 | 0.98 | 2,553.53 | 73.6 | 11.8 | 5bkcx7zfx2kz3 | JDBC Thin Client | SELECT /*YANTRA*/ EOMS_ORDER_L... |
| 18,085,655 | 41,402,903 | 2.29 | 5,988.95 | 63.8 | 20.1 | b67byfuh0rv0p | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_RE... |
| 17,799,633 | 17,710,852 | 1.00 | 3,300.46 | 41.7 | 11 | 49swc7fmry6r1 | JDBC Thin Client | SELECT /*YANTRA*/ YFS_PERSON_I... |
| 14,786,413 | 4,701,661 | 0.32 | 2,440.40 | 60.2 | 7.4 | 2f33vzugkkcnw | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_CREDIT_C... |
| 14,500,142 | 14,098,648 | 0.97 | 3,723.32 | 87.6 | 0 | dqy511zwmcq69 | Pass2Processor | SELECT /*YANTRA*/ YFS_ORDER_HE... |
| 13,293,349 | 1,355,786 | 0.10 | 8,316.30 | 52.3 | .3 | d6620mc5sj2u6 | Publish_Order_Event_2 | SELECT /*YANTRA*/ YFS_WORK_ORD... |
| 12,304,977 | 1,826 | 0.00 | 688.84 | 71.5 | .1 | ga3tgcrb6sjyp | JDBC Thin Client | SELECT /*YANTRA*/ EOMS_BBYM_SU... |
| 11,804,389 | 8,105,434 | 0.69 | 1,952.03 | 66.2 | 1.5 | 3xb8xamdqkd6t | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_PAYMENT.... |
| 10,545,112 | 3,792,733 | 0.36 | 883.94 | 75 | 9.9 | b24yg54pysbrx | Publish_Order_Event_2 | SELECT /*YANTRA*/ EOMS_ORD_LN_... |
| 10,331,363 | 23,482,012 | 2.27 | 3,231.85 | 63.7 | 8 | fqq27u174x4t1 | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 9,888,317 | 274 | 0.00 | 553.76 | 79.9 | 0 | gvth7543gv1v1 | Publish_Order_Event_2 | SELECT /*YANTRA*/ EOMS_BBYM_HD... |
| 9,757,551 | 0 | 0.00 | 489.47 | 86.2 | 0 | 2fszn5yw13cg9 | JDBC Thin Client | SELECT /*YANTRA*/ YFS_CHARGE_B... |
| 9,422,477 | 2,723,845 | 0.29 | 1,606.28 | 66.7 | 3.6 | 1m4b72a00g1y5 | Publish_Order_Event_2 | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 9,001,511 | 8,984,809 | 1.00 | 1,163.93 | 81.3 | 1.5 | 9fn83rvnxj1br | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ITEM.* F... |
| 8,992,516 | 1,626,115 | 0.18 | 3,041.82 | 72.6 | .1 | 80g8aj3umx00x | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 8,215,741 | 43,715,068 | 5.32 | 2,162.81 | 63.9 | 25.1 | 2kg29p1qgq7vg | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_HO... |
| 8,054,112 | 8,037,187 | 1.00 | 1,236.62 | 89.1 | 1 | 36xhbtk69wp61 | AlertManagement_Retail | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 8,031,360 | 27,020,700 | 3.36 | 1,710.08 | 60.5 | 23.5 | 1zcxy9wsfy9aj | CREATEORDER | SELECT /*YANTRA*/ YFS_TAX_BREA... |
| 7,989,713 | 10,348,965 | 1.30 | 1,683.67 | 66 | 11.2 | 4w96tb2as5xv9 | CREATEORDER | SELECT /*YANTRA*/ YFS_LINE_CHA... |
| 7,989,329 | 0 | 0.00 | 397.41 | 80.3 | 0 | 9q3dyn8a8g3zx | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 7,758,120 | 0 | 0.00 | 333.58 | 77.9 | 0 | 1r03afx11v1d3 | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_ADDNL_LI... |
| 7,655,709 | 46,928,594 | 6.13 | 3,459.90 | 59.7 | 11.6 | 2gkddyf8qzjbf | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_CHARGE_T... |
| 7,571,671 | 0 | 0.00 | 449.68 | 91.5 | 0 | 80nz83v6vmn0t | Pass2Processor | SELECT /*YANTRA*/ YFS_HEADER_C... |
| 7,440,880 | 0 | 0.00 | 1,342.19 | 66.2 | 13.9 | 9d42pycnz5jt1 | Pass2Processor | SELECT /*YANTRA*/ YFS_TAX_BREA... |

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## SQL ordered by Parse Calls

- Total Parse Calls: 753,289,234
- Captured SQL account for 49.1% of Total

| Parse Calls | Executions | % Total Parses | SQL Id | SQL Module | SQL Text |
|---|---|---|---|---|---|
| 47,409,804 | 47,322,164 | 6.29 | 8pvr9fks6m1r9 | CREATEORDER | SELECT /*YANTRA*/ TO_CHAR(sysd... |
| 17,321,546 | 18,955,292 | 2.30 | 5bkcx7zfx2kz3 | JDBC Thin Client | SELECT /*YANTRA*/ EOMS_ORDER_L... |
| 16,883,112 | 17,799,633 | 2.24 | 49swc7fmry6r1 | JDBC Thin Client | SELECT /*YANTRA*/ YFS_PERSON_I... |
| 14,993,153 | 18,085,655 | 1.99 | b67byfuh0rv0p | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_RE... |
| 13,991,628 | 14,500,142 | 1.86 | dqy511zwmcq69 | Pass2Processor | SELECT /*YANTRA*/ YFS_ORDER_HE... |
| 12,883,610 | 14,786,413 | 1.71 | 2f33vzugkkcnw | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_CREDIT_C... |
| 12,801,597 | 13,293,349 | 1.70 | d6620mc5sj2u6 | Publish_Order_Event_2 | SELECT /*YANTRA*/ YFS_WORK_ORD... |
| 11,536,691 | 11,804,389 | 1.53 | 3xb8xamdqkd6t | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_PAYMENT.... |
| 11,184,823 | 12,304,977 | 1.48 | ga3tgcrb6sjyp | JDBC Thin Client | SELECT /*YANTRA*/ EOMS_BBYM_SU... |
| 10,468,207 | 10,545,112 | 1.39 | b24yg54pysbrx | Publish_Order_Event_2 | SELECT /*YANTRA*/ EOMS_ORD_LN_... |
| 9,987,648 | 10,331,363 | 1.33 | fqq27u174x4t1 | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_LI... |

| | | | | | | |
|---|---|---|---|---|---|---|
| 9,400,809 | 9,422,477 | 1.25 | 1m4b72a00g1y5 | Publish_Order_Event_2 | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 9,280,126 | 9,888,317 | 1.23 | gvth7543gv1v1 | Publish_Order_Event_2 | SELECT /*YANTRA*/ EOMS_BBYM_HD... |
| 8,886,945 | 8,992,516 | 1.18 | 80g8aj3umx00x | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 8,639,526 | 9,001,511 | 1.15 | 9fn83rvnxj1br | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ITEM.* F... |
| 8,620,004 | 9,757,551 | 1.14 | 2fszn5yw13cg9 | JDBC Thin Client | SELECT /*YANTRA*/ YFS_CHARGE_B... |
| 8,214,928 | 8,215,741 | 1.09 | 2kg29p1qgq7vg | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_HO... |
| 8,032,430 | 8,031,360 | 1.07 | 1zcxy9wsfy9aj | CREATEORDER | SELECT /*YANTRA*/ YFS_TAX_BREA... |
| 7,990,890 | 7,989,713 | 1.06 | 4w96tb2as5xv9 | CREATEORDER | SELECT /*YANTRA*/ YFS_LINE_CHA... |
| 7,989,185 | 7,989,329 | 1.06 | 9q3dyn8a8g3zx | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 7,862,995 | 8,054,112 | 1.04 | 36xhbtk69wp61 | AlertManagement_Retail | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 7,759,848 | 7,758,120 | 1.03 | 1r03afx11v1d3 | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_ADDNL_LI... |
| 7,659,038 | 7,655,709 | 1.02 | 2gkddyf8qzjbf | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_CHARGE_T... |
| 7,572,844 | 7,571,671 | 1.01 | 80nz83v6vmn0t | Pass2Processor | SELECT /*YANTRA*/ YFS_HEADER_C... |

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## SQL ordered by Sharable Memory

- Only Statements with Sharable Memory greater than 1048576 are displayed

| Sharable Mem (b) | Executions | % Total | SQL Id | SQL Module | SQL Text |
|---|---|---|---|---|---|
| 12,396,643 | 86 | 0.01 | 0za9fv0j1vgkk | | WITH MONITOR_DATA AS (SELECT *... |
| 6,201,276 | 85 | 0.01 | atwuyuvqkf27w | | SELECT /*+ OPT_PARAM('_fix_con... |
| 5,198,634 | 14 | 0.01 | 3ytmcn7yp2gs2 | Monitor | SELECT /*YANTRA*/ YFS_INBOX.* ... |
| 4,691,695 | 22,434 | 0.00 | atufy3z5hqjub | JDBC Thin Client | update YFS_ORDER_LINE set ACTU... |
| 2,802,251 | 14 | 0.00 | ahgqyy497mj2y | oraagent.bin@drl02omsdb003.na.bestbuy.com (TNS V | MERGE /*+ INDEX(dest (signatur... |
| 2,757,440 | 2 | 0.00 | ghpvca8pr5bng | emagent_SQL_rac_database | WITH jd AS (SELECT end_time, i... |
| 2,674,495 | 22,860 | 0.00 | 419jqm7410vvz | JDBC Thin Client | insert into YFS_ORDER_LINE (AC... |
| 2,330,982 | 2 | 0.00 | 0jrngm5htnzuv | emagent_SQL_rac_database | WITH jd AS (SELECT end_time, ... |
| 2,237,239 | 1 | 0.00 | 92yjj5ydx1gmk | | WITH binds as (select :dbid as... |
| 2,056,355 | 1,274 | 0.00 | 9rpbk73xg36rd | CREATEORDER | INSERT /*YANTRA*/ INTO YFS_ORD... |
| 1,092,309 | 14 | 0.00 | 38ncj2h3sat9d | oraagent.bin@drl02omsdb003.na.bestbuy.com (TNS V | MERGE /*+ INDEX(dest (signatur... |

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## SQL ordered by Version Count

- Only Statements with Version Count greater than 20 are displayed

| Version Count | Executions | SQL Id | SQL Module | SQL Text |
|---|---|---|---|---|
| 54 | 14 | 3ytmcn7yp2gs2 | Monitor | SELECT /*YANTRA*/ YFS_INBOX.* ... |

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## SQL ordered by Cluster Wait Time

- %Total - Cluster Time as a percentage of Total Cluster Wait Time
- %Clu - Cluster Time as a percentage of Elapsed Time
- %CPU - CPU Time as a percentage of Elapsed Time
- %IO - User I/O Time as a percentage of Elapsed Time
- Only SQL with Cluster Wait Time > .005 seconds is reported
- Total Cluster Wait Time (s): 9,127
- Captured SQL account for 17.9% of Total

| Cluster Wait Time (s) | Executions | %Total | Elapsed Time(s) | %Clu | %CPU | %IO | SQL Id | SQL Module | SQL Text |
|---|---|---|---|---|---|---|---|---|---|
| 568.05 | 1 | 6.22 | 680.61 | 83.46 | 19.97 | 5.13 | cbb7z2jajjdru | Oracle Enterprise Manager.Metric Engine | SELECT TO_CHAR(current_timest... |
| 297.14 | 1,806,297 | 3.26 | 7,263.32 | 4.09 | 19.49 | 10.10 | 7r14p9kchcdjk | PROCESSACK | INSERT /*YANTRA*/ INTO YFS_ORD... |
| 203.19 | 113,735 | 2.23 | 1,428.18 | 14.23 | 25.19 | 52.24 | gbfz202ufu59w | CREATEORDER | INSERT /*YANTRA*/ INTO YFS_ORD... |
| 124.52 | 142,976 | 1.36 | 5,942.67 | 2.10 | 1.63 | 0.62 | fs0ppdb2mqvat | Invoice | INSERT /*YANTRA*/ INTO YFS_SHI... |
| 114.31 | 0 | 1.25 | 623.17 | 18.34 | 25.16 | 52.85 | 2g94qaf5c1q8q | INVENTORY_RESERVATION_OPTIMIZER | SELECT /*YANTRA*/ YFS_ORDER_HE... |
| 59.17 | 75,678 | 0.65 | 1,534.45 | 3.86 | 12.67 | 78.62 | a2zgqbxrn6u8c | CREATEORDER | SELECT /*YANTRA*/ YFS_INBOX_AU... |
| 49.61 | 6,422,099 | 0.54 | 2,409.01 | 2.06 | 71.00 | 4.49 | 007hmhh979njh | ProcessReleaseHold | SELECT /*YANTRA*/ YFS_TASK_Q.*... |
| 34.26 | 584,229 | 0.38 | 2,086.41 | 1.64 | 13.83 | 3.49 | bbbdk4yah0qaw | Publish_Order_Event_2 | UPDATE EOMS_ORDER_EVENT_REVISI... |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 28.77 | 1,601,451 | 0.32 | 1,528.79 | 1.88 | 28.43 | 4.61 | 2sg3vgtpxyk2r | ProcessReleaseHold | INSERT /*YANTRA*/ INTO YFS_TAS... |
| 27.50 | 934,744 | 0.30 | 2,105.78 | 1.31 | 10.83 | 2.75 | dr9hu79np2u3u | INVENTORYOPTIMIZATION | INSERT /*YANTRA*/ INTO YFS_STA... |
| 26.94 | 10,545,112 | 0.30 | 883.94 | 3.05 | 74.97 | 9.89 | b24yg54pysbrx | Publish_Order_Event_2 | SELECT /*YANTRA*/ EOMS_ORD_LN_... |
| 26.90 | 41,058 | 0.29 | 1,741.06 | 1.54 | 4.75 | 1.76 | gvnt36z559q08 | CustomMonitor | INSERT /*YANTRA*/ INTO YFS_SHI... |
| 18.59 | 324,928 | 0.20 | 676.26 | 2.75 | 32.31 | 26.83 | 00y7vj2by3cvg | PROCESSACK | update /*YANTRA*/ YFS_ORDER_RE... |
| 12.43 | 2 | 0.14 | 190.56 | 6.52 | 68.62 | 11.98 | ghpvca8pr5bng | emagent_SQL_rac_database | WITH jd AS (SELECT end_time, i... |
| 10.54 | 1,142,422 | 0.12 | 23,316.89 | 0.05 | 2.20 | 0.76 | 2ycq1d0fd6tum | CREATEORDER | INSERT /*YANTRA*/ INTO YFS_ORD... |
| 7.21 | 17,150 | 0.08 | 45.61 | 15.80 | 40.09 | 22.34 | 7tryzzqjc7n7v | CREATEORDERNONSPU | INSERT /*YANTRA*/ INTO YFS_REP... |
| 5.12 | 9,001,511 | 0.06 | 1,163.93 | 0.44 | 81.25 | 1.52 | 9fn83rvnxj1br | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ITEM.* F... |
| 3.90 | 505,934 | 0.04 | 2,568.95 | 0.15 | 46.02 | 32.11 | f7ytrk7fdxdwm | CREATEORDERNONSPU | INSERT /*YANTRA*/ INTO YFS_PER... |
| 3.59 | 22,860 | 0.04 | 83.01 | 4.33 | 53.37 | 19.25 | 419jqm7410vvz | JDBC Thin Client | insert into YFS_ORDER_LINE (AC... |
| 3.22 | 1,274 | 0.04 | 43.76 | 7.35 | 35.79 | 34.88 | 9rpbk73xg36rd | CREATEORDER | INSERT /*YANTRA*/ INTO YFS_ORD... |
| 2.78 | 14 | 0.03 | 23.50 | 11.83 | 37.55 | 27.82 | 3ytmcn7yp2gs2 | Monitor | SELECT /*YANTRA*/ YFS_INBOX.* ... |
| 1.71 | 6,673,014 | 0.02 | 2,173.24 | 0.08 | 58.58 | 10.06 | 80h68wwmrh2kf | JDBC Thin Client | SELECT /*YANTRA*/ YFS_REFERENC... |
| 0.84 | 22,434 | 0.01 | 59.40 | 1.41 | 48.24 | 11.21 | atufy3z5hqjub | JDBC Thin Client | update YFS_ORDER_LINE set ACTU... |
| 0.60 | 14,786,413 | 0.01 | 2,440.40 | 0.02 | 60.16 | 7.41 | 2f33vzugkkcnw | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_CREDIT_C... |
| 0.60 | 8,992,516 | 0.01 | 3,041.82 | 0.02 | 72.58 | 0.07 | 80g8aj3umx00x | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 0.57 | 7,989,713 | 0.01 | 1,683.67 | 0.03 | 65.97 | 11.21 | 4w96tb2as5xv9 | CREATEORDER | SELECT /*YANTRA*/ YFS_LINE_CHA... |
| 0.56 | 13,293,349 | 0.01 | 8,316.30 | 0.01 | 52.30 | 0.30 | d6620mc5sj2u6 | Publish_Order_Event_2 | SELECT /*YANTRA*/ YFS_WORK_ORD... |
| 0.48 | 9,422,477 | 0.01 | 1,606.28 | 0.03 | 66.70 | 3.60 | 1m4b72a00g1y5 | Publish_Order_Event_2 | SELECT /*YANTRA*/ YFS_ORDER_LI... |
| 0.41 | 86 | 0.00 | 2,405.59 | 0.02 | 78.86 | 0.29 | 0za9fv0j1vgkk | | WITH MONITOR_DATA AS (SELECT *... |
| 0.18 | 12 | 0.00 | 0.35 | 51.95 | 4.99 | 10.41 | 4nc1yfmtr258g | oraagent.bin@drl02omsdb003.na.bestbuy.com (TNS V | SELECT /*+ INDEX(sqlobj$ (name... |
| 0.17 | 12,304,977 | 0.00 | 688.84 | 0.03 | 71.47 | 0.06 | ga3tgcrb6sjyp | JDBC Thin Client | SELECT /*YANTRA*/ EOMS_BBYM_SU... |
| 0.12 | 3,857,578 | 0.00 | 129,832.02 | 0.00 | 0.98 | 0.05 | ccfrfn4vuhtt0 | ProcessReleaseHold | SELECT /*YANTRA*/ YFS_ORDER_HE... |
| 0.10 | 6,995,703 | 0.00 | 2,132.38 | 0.00 | 73.78 | 0.02 | 19z8ajg6qm0fm | ProcessReleaseHold | SELECT /*YANTRA*/ YFS_TASK_Q.*... |
| 0.04 | 14 | 0.00 | 0.07 | 65.64 | 18.14 | 15.32 | 8d9zcdz3j0b3w | oraagent.bin@drl02omsdb003.na.bestbuy.com (TNS V | SELECT obj_type, plan_id, desc... |
| 0.04 | 14 | 0.00 | 0.05 | 87.02 | 16.48 | 0.00 | d2whwtj1sd881 | oraagent.bin@drl02omsdb003.na.bestbuy.com (TNS V | DELETE FROM sql$ WHERE signatu... |
| 0.03 | 9,888,317 | 0.00 | 553.76 | 0.01 | 79.87 | 0.03 | gvth7543gv1v1 | Publish_Order_Event_2 | SELECT /*YANTRA*/ EOMS_BBYM_HD... |
| 0.02 | 15 | 0.00 | 0.18 | 10.63 | 11.06 | 75.17 | 69subccxd9b03 | | SELECT signature, inuse_featur... |
| 0.02 | 10,461 | 0.00 | 109.10 | 0.02 | 23.93 | 32.91 | ggv9gpa6u4s4u | JDBC Thin Client | update ola_ord_obj set createp... |
| 0.02 | 3,526,421 | 0.00 | 1,878.44 | 0.00 | 72.44 | 10.55 | dys9z85j6dj7p | DIGITAL_RELEASE | SELECT /*YANTRA*/ YFS_ORDER_RE... |
| 0.01 | 13 | 0.00 | 0.04 | 38.71 | 24.10 | 46.62 | f946p6b0qhh5t | oraagent.bin@drl02omsdb003.na.bestbuy.com (TNS V | SELECT /*+ INDEX(sqlobj$ (sign... |
| 0.01 | 1,176 | 0.00 | 0.30 | 4.49 | 78.14 | 6.67 | cqpajabx4jjvs | Pass2Loader | SELECT /*YANTRA*/ YFS_FLOW.* F... |
| 0.01 | 14 | 0.00 | 0.14 | 8.80 | 8.28 | 0.00 | 38ncj2h3sat9d | oraagent.bin@drl02omsdb003.na.bestbuy.com (TNS V | MERGE /*+ INDEX(dest (signatur... |
| 0.01 | 11,804,389 | 0.00 | 1,952.03 | 0.00 | 66.15 | 1.48 | 3xb8xamdqkd6t | PriorityPass2Processor | SELECT /*YANTRA*/ YFS_PAYMENT.... |
| 0.01 | 654,322 | 0.00 | 4,974.10 | 0.00 | 2.07 | 0.00 | 1myy6cf5wr6gc | HURLER_2 | SELECT SEQ_YANTRA_CUSTOM_NOTES... |
| 0.01 | 32 | 0.00 | 0.02 | 50.65 | 48.34 | 10.81 | acmvv4fhdc9zh | | select obj#, type#, ctime, mti... |
| 0.01 | 14 | 0.00 | 0.02 | 49.96 | 41.31 | 0.00 | ahgqyy497mj2y | oraagent.bin@drl02omsdb003.na.bestbuy.com (TNS V | MERGE /*+ INDEX(dest (signatur... |
| 0.01 | 10,331,363 | 0.00 | 3,231.85 | 0.00 | 63.73 | 7.96 | fqq27u174x4t1 | JDBC Thin Client | SELECT /*YANTRA*/ YFS_ORDER_LI... |

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## Complete List of SQL Text

| SQL Id | SQL Text |
|---|---|

007hmhh979njh
```
SELECT /*YANTRA*/ YFS_TASK_Q.* FROM YFS_TASK_Q YFS_TASK_Q WHERE DATA_TYPE = :1 AND DATA_KEY = :2
```

00y7vj2by3cvg
```
update /*YANTRA*/ YFS_ORDER_RELEASE_STATUS set STATUS_DATE = :1 , STATUS_QUANTITY = :2 , TOTAL_QUANTITY = :3 , MODIFYTS = :4 ,
MODIFYUSERID = :5 , MODIFYPROGID = :6 , LOCKID = :7 WHERE ORDER_RELEASE_STATUS_KEY= :8 AND LOCKID= :9
```

0jrngm5htnzuv
```
WITH jd AS
(SELECT end_time, input_bytes, session_key, session_recid, session_stamp, input_type, output_device_type, status
FROM V$RMAN_BACKUP_JOB_DETAILS
WHERE output_device_type IN (:"SYS_B_00", :"SYS_B_01")
AND status NOT LIKE :"SYS_B_02"),
db_bkp_data AS
(SELECT to_char(jd.end_time, :"SYS_B_03") db_backup_end_time, ROUND((sysdate-end_time)*:"SYS_B_04", :"SYS_B_05") db_backup_age, jd.input_bytes
db_backup_size,
jd.status db_backup_status, s.incremental_level db_backup_incr_level, jd.input_type db_backup_input_type
FROM V$BACKUP_SET_DETAILS s, jd
WHERE jd.input_type IN (:"SYS_B_06", :"SYS_B_07")
AND s.session_key = jd.session_key
AND s.session_recid = jd.session_recid
AND s.session_stamp = jd.session_stamp),
LAST_SUC_DB_FULL AS
(SELECT * FROM
(SELECT * FRO
M
(SELECT db_backup_end_time last_db_backup_date, db_backup_age last_db_backup_age, db_backup_size last_db_backup_size
FROM db_bkp_data
WHERE db_backup_status LIKE :"SYS_B_08"
AND db_backup_input_type = :"SYS_B_09"
AND db_backup_incr_level IS NULL
ORDER by db_backup_end_time DESC)
UNION ALL
SELECT NULL, NULL, NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_10"),
LAST_EXEC_DB_FULL AS
(SELECT * FROM
(SELECT * FROM
(SELECT db_backup_end_time last_exec_db_backup_date, db_backup_status last_exec_db_backup_status
FROM db_bkp_data
WHERE db_backup_status NOT LIKE :"SYS_B_11"
AND db_backup_input_type = :"SYS_B_12"
AND db_backup_incr_level IS NULL
ORDER by db_backup_end_time DESC)
UNION ALL
SELECT NULL, NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_13"),
LAST_SUC_DB_INCR AS
(SELECT * FROM
(SELECT * FROM
(SELECT db_backup_end_time last_db_incr_end_time, db_backup_age last_db_incr_age, db_backup_size last_db_incr_size
FROM db_bkp_data
WHERE db_
backup_status LIKE :"SYS_B_14"
AND db_backup_input_type = :"SYS_B_15"
ORDER by db_backup_end_time DESC)
UNION ALL
SELECT NULL, NULL, NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_16"),
LAST_EXEC_DB_INCR AS
(SELECT * FROM
(SELECT * FROM
(SELECT db_backup_end_time db_incr_exec_end_time, db_backup_status db_incr_exec_status
FROM db_bkp_data
WHERE db_backup_status NOT LIKE :"SYS_B_17"
AND db_backup_input_type = :"SYS_B_18"
ORDER by db_backup_end_time DESC)
UNION ALL
SELECT NULL, NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_19"),
LAST_SUC_DB_INCR0 AS
(SELECT * FROM
(SELECT * FROM
(SELECT db_backup_end_time last_db_incr_0_end_time, db_backup_age last_db_incr_0_age, db_backup_size last_db_incr_0_size
FROM db_bkp_data
WHERE db_backup_status LIKE :"SYS_B_20"
AND db_backup_input_type = :"SYS_B_21"
AND db_backup_incr_level = :"SYS_B_22"
ORDER by db_backup_end_time DESC)
UNION ALL
SELECT NULL, NULL, NULL FROM DU
AL)
WHERE ROWNUM = :"SYS_B_23"),
LAST_EXEC_DB_INCR0 AS
(SELECT * FROM
(SELECT * FROM
(SELECT db_backup_end_time db_incr_0_exec_end_time, db_backup_status db_incr_0_exec_status
FROM db_bkp_data
WHERE db_backup_status NOT LIKE :"SYS_B_24"
AND db_backup_input_type = :"SYS_B_25"
AND db_backup_incr_level = :"SYS_B_26"
ORDER by db_backup_end_time DESC)
UNION ALL
SELECT NULL, NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_27"),
LAST_SUC_DB_INCR1 AS
(SELECT * FROM
(SELECT * FROM
(SELECT db_backup_end_time last_db_incr_1_end_time, db_backup_age last_db_incr_1_age, db_backup_size last_db_incr_1_size
FROM db_bkp_data
```

```
WHERE db_backup_status LIKE :"SYS_B_28"
AND db_backup_input_type = :"SYS_B_29"
AND db_backup_incr_level > :"SYS_B_30"
ORDER by db_backup_end_time DESC)
UNION ALL
SELECT NULL, NULL, NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_31"),
LAST_EXEC_DB_INCR1 AS
(SELECT * FROM
(SELECT * FROM
(SELECT db_bac
kup_end_time db_incr_1_exec_end_time, db_backup_status db_incr_1_exec_status
FROM db_bkp_data
WHERE db_backup_status NOT LIKE :"SYS_B_32"
AND db_backup_input_type = :"SYS_B_33"
AND db_backup_incr_level > :"SYS_B_34"
ORDER by db_backup_end_time DESC)
UNION ALL
SELECT NULL, NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_35"),
arch_data AS
(SELECT to_char(jd.end_time, :"SYS_B_36") arch_backup_date, ROUND((sysdate-end_time)*:"SYS_B_37", :"SYS_B_38") arch_backup_age,
jd.input_bytes arch_backup_size, jd.status arch_status
FROM jd
WHERE jd.status NOT LIKE :"SYS_B_39"
AND jd.input_type = :"SYS_B_40"),
LAST_SUC_DB_ARCH AS
(SELECT * FROM
(SELECT * FROM
(SELECT arch_backup_date last_arch_backup_date, arch_backup_age last_arch_backup_age, arch_backup_size last_arch_backup_size
FROM arch_data
WHERE arch_status LIKE :"SYS_B_41"
ORDER by arch_backup_date DESC)
UNION ALL
SELECT NULL, NULL, NULL F
ROM DUAL)
WHERE ROWNUM = :"SYS_B_42"),
LAST_EXEC_DB_ARCH AS
(SELECT * FROM
(SELECT * FROM
(SELECT arch_backup_date last_exec_arch_backup_date, arch_status last_exec_arch_backup_status
FROM arch_data
WHERE arch_status NOT LIKE :"SYS_B_43"
ORDER by arch_backup_date DESC)
UNION ALL
SELECT NULL, NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_44")
SELECT sf.last_db_backup_date, sf.last_db_backup_age, sf.last_db_backup_size,
ef.last_exec_db_backup_date, ef.last_exec_db_backup_status,
si.last_db_incr_end_time, si.last_db_incr_age, si.last_db_incr_size,
ei.db_incr_exec_end_time, ei.db_incr_exec_status,
si0.last_db_incr_0_age, si0.last_db_incr_0_size,
ei0.db_incr_0_exec_status,
si1.last_db_incr_1_age, si1.last_db_incr_1_size,
ei1.db_incr_1_exec_status,
sa.last_arch_backup_date, sa.last_arch_backup_age, sa.last_arch_backup_size,
ea.last_exec_arch_backup_date, ea.last_exec_arch_backup_status
FROM LAST_SUC_DB_FULL sf, LAST_EXEC_DB_FULL ef, LAST_SUC_DB
_INCR si, LAST_EXEC_DB_INCR ei,
LAST_SUC_DB_INCR0 si0, LAST_EXEC_DB_INCR0 ei0, LAST_SUC_DB_INCR1 si1, LAST_EXEC_DB_INCR1 ei1,
LAST_SUC_DB_ARCH sa, LAST_EXEC_DB_ARCH ea
```

0n4b0y8h03zvt

```
SELECT /*YANTRA*/ YFS_CHARGE_TRANSACTION.* FROM YFS_CHARGE_TRANSACTION YFS_CHARGE_TRANSACTION WHERE
YFS_CHARGE_TRANSACTION.ORDER_HEADER_KEY= :1 AND CHARGE_TYPE = :"SYS_B_0" ORDER BY CREATETS
```

0za9fv0j1vgkk

```
WITH MONITOR_DATA AS (SELECT * FROM TABLE(GV$(CURSOR( SELECT USERENV('instance') AS INST_ID, KEY, NVL2(PX_QCSID, NULL, STATUS)
STATUS, FIRST_REFRESH_TIME, LAST_REFRESH_TIME, REFRESH_COUNT, PROCESS_NAME, SID, SQL_ID, SQL_EXEC_START, SQL_EXEC_ID,
DBOP_NAME, DBOP_EXEC_ID, SQL_PLAN_HASH_VALUE, SQL_FULL_PLAN_HASH_VALUE, SESSION_SERIAL#, SQL_TEXT, PX_SERVER#,
PX_SERVER_GROUP, PX_SERVER_SET, PX_QCINST_ID, PX_QCSID, CASE WHEN ELAPSED_TIME < (CPU_TIME+ APPLICATION_WAIT_TIME+
CONCURRENCY_WAIT_TIME+ CLUSTER_WAIT_TIME+ USER_IO_WAIT_TIME+ QUEUING_TIME) THEN (CPU_TIME+ APPLICATION_WAIT_TIME+
CONCURRENCY_WAIT_TIME+ CLUSTER_WAIT_TIME+ USER_IO_WAIT_TIME+ QUEUING_TIME) ELSE ELAPSED_TIME END ELAPSED_TIME,
QUEUING_TIME, CPU_TIME, APPLICATION_WAIT_TIME, CONCURRENCY_WAIT_TIME, CLUSTER_WAIT_TIME, USER_IO_WAIT_TIME, CASE WHEN
ELAPSED_TIME < (
CPU_TIME+ APPLICATION_WAIT_TIME+ CONCURRENCY_WAIT_TIME+ CLUSTER_WAIT_TIME+ USER_IO_WAIT_TIME+ QUEUING_TIME) THEN 0 ELSE
ELAPSED_TIME - (CPU_TIME+ APPLICATION_WAIT_TIME+ CONCURRENCY_WAIT_TIME+ CLUSTER_WAIT_TIME+ USER_IO_WAIT_TIME+
QUEUING_TIME) END OTHER_WAIT_TIME, PLSQL_EXEC_TIME, JAVA_EXEC_TIME, FETCHES, BUFFER_GETS, IO_INTERCONNECT_BYTES
IO_INTER_BYTES, PHYSICAL_READ_REQUESTS READ_REQS, PHYSICAL_READ_BYTES READ_BYTES, PHYSICAL_WRITE_REQUESTS
WRITE_REQS, PHYSICAL_WRITE_BYTES WRITE_BYTES, NVL(PHYSICAL_READ_BYTES, 0) + NVL(PHYSICAL_WRITE_BYTES, 0) IO_BYTES,
NVL(PHYSICAL_READ_REQUESTS, 0) + NVL(PHYSICAL_WRITE_REQUESTS, 0) IO_REQS, IO_CELL_UNCOMPRESSED_BYTES IO_UNC_BYTES,
IO_CELL_OFFLOAD_ELIGIBLE_BYTES IO_ELIG_BYTES, IO_CELL_OFFLOAD_RETURNED_BYTES IO_RET_BYTES, USER# USERID, USERNAME,
MODULE, ACTION, SERVICE_NAME, CLIENT_IDENTIFIER, CLIENT_INFO, PROGRAM, PLSQL_OBJECT_ID PL_OID, PLSQL_SUBPROGRAM_ID
PL_PROGID, PLSQL_ENTRY_OBJECT_ID PL_ENTRY_OID, PLSQL_ENTRY_SUB
PROGRAM_ID PL_ENTRY_PROGID, PX_MAXDOP MAX_DOP, PX_IS_CROSS_INSTANCE, PX_MAXDOP_INSTANCES MAX_DOP_INSTANCES,
PX_SERVERS_REQUESTED SERVERS_REQUESTED, PX_SERVERS_ALLOCATED SERVERS_ALLOCATED, ERROR_NUMBER, ERROR_FACILITY,
ERROR_MESSAGE, NVL2(OTHER_XML, 'Y', NULL) HAS_OTHER_XML, NVL2(BINDS_XML, 'Y', NULL) HAS_BINDS_XML,
NVL2(RM_CONSUMER_GROUP, NVL2(RM_LAST_ACTION_TIME, TO_CHAR(RM_LAST_ACTION_TIME, :B12 ), '00/00/0000 00:00:01') || XMLELEMENT(
"rminfo", XMLATTRIBUTES( RM_LAST_ACTION AS "rmlastact", RM_LAST_ACTION_REASON AS "rmlastreason", TO_CHAR(RM_LAST_ACTION_TIME, :B12
) AS "rmlasttime", RM_CONSUMER_GROUP AS "rmcg")).GETSTRINGVAL(), '00/00/0000 00:00:00') RM_INFO, CON_NAME, CON_ID FROM
V$ALL_SQL_MONITOR MO1 WHERE USERENV('INSTANCE') BETWEEN :B11 AND :B10 AND MO1.SQL_ID = NVL(:B9 , MO1.SQL_ID) AND
MO1.SQL_EXEC_START = NVL(:B8 , MO1.SQL_EXEC_START) AND MO1.SQL_EXEC_ID = NVL(:B7 , MO1.SQL_EXEC_ID) OR (MO1.DBOP_NA
ME = NVL(:B6 , MO1.DBOP_NAME) AND MO1.DBOP_EXEC_ID = NVL(:B5 , MO1.DBOP_EXEC_ID)) AND ((:B4 = 1 AND MO1.PX_QCSID IS NULL) OR
(MO1.PX_SERVER_GROUP = NVL(:B3 , MO1.PX_SERVER_GROUP) AND MO1.PX_SERVER_SET = NVL(:B2 , MO1.PX_SERVER_SET) AND
MO1.PX_SERVER# = NVL(:B1 , MO1.PX_SERVER#))) ))), MONITOR_AGG AS (SELECT MAX_PX_QCSID, MAX_KEY, MAX_INST_ID, MAX_SESSION_ID,
MAX_SESSION_SERIAL, MAX_PX_DOP, MAX_PX_DOP_INSTANCES, MAX_PX_IS_CROSS_INSTANCE, SUM_SERVERS_REQUESTED,
SUM_SERVERS_ALLOCATED, DIST_INST_COUNT, DIST_PX_GROUP_COUNT, DIST_PX_SET_COUNT, MAX_PLAN_HASH_VALUE,
MAX_FULL_PLAN_HASH_VALUE, MAX_USERID, MAX_PROGRAM, MAX_USERNAME, MAX_MODULE, MAX_ACTION, MAX_SERVICE_NAME,
MAX_CLIENT_ID, MAX_CLIENT_INFO, MAX_ERROR_NUMBER, MAX_ERROR_FACILITY, MAX_ERROR_MESSAGE, QC_HAS_OTHER_XML,
QC_HAS_BINDS_XML, MAX_PL_OID, MAX_PL_PROGID, MAX_PL_ENTRY_OID, MAX_PL_ENTRY_PROGID, MAX_SQL_ID, MAX_SQL_EXEC_START,
```

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MAX_SQL_EXEC_ID, MAX_LAST_REFRESH_TIME, MAX_DBOP_NAME, MAX_D
BOP_EXEC_ID, CASE WHEN MAX_PL_OID IS NOT NULL THEN NVL((SELECT P.OWNER || '.' || P.OBJECT_NAME || DECODE(P.PROCEDURE_NAME,
NULL, '', '.' || P.PROCEDURE_NAME) FROM ALL_PROCEDURES P WHERE P.OBJECT_ID = MAX_PL_OID AND P.SUBPROGRAM_ID = MAX_PL_PROGID
AND ROWNUM = 1), 'Unavailable') END MAX_PL_NAME, CASE WHEN MAX_PL_ENTRY_OID IS NOT NULL THEN NVL((SELECT P.OWNER || '.' ||
P.OBJECT_NAME || DECODE(P.PROCEDURE_NAME, NULL, '', '.' || P.PROCEDURE_NAME) FROM ALL_PROCEDURES P WHERE P.OBJECT_ID =
MAX_PL_ENTRY_OID AND P.SUBPROGRAM_ID = MAX_PL_ENTRY_PROGID AND ROWNUM = 1), 'Unavailable') END MAX_PL_ENTRY_NAME,
MAX_STATUS, SUM_REFRESH_COUNT, MIN_FIRST_REFRESH_TIME, SQLMON_TEXT, SUM_ELAPSED_TIME, MAX_ELAPSED_TIME,
MAX_QUEUING_TIME, SUM_CPU_TIME, SUM_USER_IO_WAIT_TIME, SUM_APPLICATION_WAIT_TIME, SUM_CONCURRENCY_WAIT_TIME,
SUM_CLUSTER_WAIT_TIME, SUM_PLSQL_EXEC_TIME, SUM_JAVA_EXEC_TIME, SUM_OTHER_WAIT_TIME, SUM_FETCHES, SUM_BUFFER_GETS,
SUM_READ_REQS, SUM_READ_BYTES, SUM_WRIT
E_REQS, SUM_WRITE_BYTES, SUM_IO_BYTES, SUM_IO_INTER_BYTES, SUM_IO_UNC_BYTES, SUM_IO_ELIG_BYTES, SUM_IO_RET_BYTES,
DECODE(:B14 , 1, 'db_name', SYS_CONTEXT('userenv', 'db_unique_name')) DB_UNIQUE_NAME, DECODE(:B14 , 1, 'platform_name',
SYS.DBMS_UTILITY.PORT_STRING) PLATFORM_NAME, DECODE(:B14 , 1, 'host_name', SYS_CONTEXT('userenv', 'server_host')) HOST_NAME,
AGG_RM_INFO MAX_RM_INFO, MAX_CON_NAME, DECODE(MAX_CON_ID, 0, NULL, MAX_CON_ID) MAX_CON_ID FROM (SELECT MAX(PX_QCSID)
MAX_PX_QCSID, MAX(CASE WHEN PX_QCSID IS NULL THEN KEY ELSE NULL END) MAX_KEY, MAX(CASE WHEN PX_QCSID IS NULL THEN INST_ID
ELSE NULL END) MAX_INST_ID, MAX(CASE WHEN PX_QCSID IS NULL THEN SID ELSE NULL END) MAX_SESSION_ID, MAX(CASE WHEN PX_QCSID IS
NULL THEN SESSION_SERIAL# ELSE NULL END) MAX_SESSION_SERIAL, MAX(MAX_DOP) MAX_PX_DOP, MAX(MAX_DOP_INSTANCES)
MAX_PX_DOP_INSTANCES, MAX(PX_IS_CROSS_INSTANCE) MAX_PX_IS_CROSS_INSTANCE, SUM(SERVERS_REQUESTED)
SUM_SERVERS_REQUESTED, SUM(SERVERS_A
LLOCATED) SUM_SERVERS_ALLOCATED, COUNT(DISTINCT INST_ID) DIST_INST_COUNT, COUNT(DISTINCT PX_SERVER_GROUP)
DIST_PX_GROUP_COUNT, COUNT(DISTINCT PX_SERVER_SET) DIST_PX_SET_COUNT, MAX(SQL_PLAN_HASH_VALUE) MAX_PLAN_HASH_VALUE,
MAX(SQL_FULL_PLAN_HASH_VALUE) MAX_FULL_PLAN_HASH_VALUE, MAX(USERID) MAX_USERID, MAX(PROGRAM) MAX_PROGRAM,
MAX(USERNAME) MAX_USERNAME, MAX(MODULE) MAX_MODULE, MAX(ACTION) MAX_ACTION, MAX(SERVICE_NAME) MAX_SERVICE_NAME,
MAX(CLIENT_IDENTIFIER) MAX_CLIENT_ID, MAX(CLIENT_INFO) MAX_CLIENT_INFO, MAX(ERROR_NUMBER) MAX_ERROR_NUMBER,
MAX(ERROR_FACILITY) MAX_ERROR_FACILITY, MAX(ERROR_MESSAGE) MAX_ERROR_MESSAGE, MAX(NVL2(PX_QCSID, HAS_OTHER_XML,
NULL)) QC_HAS_OTHER_XML, MAX(HAS_BINDS_XML) QC_HAS_BINDS_XML, MAX(PL_OID) MAX_PL_OID, MAX(PL_PROGID) MAX_PL_PROGID,
MAX(PL_ENTRY_OID) MAX_PL_ENTRY_OID, MAX(PL_ENTRY_PROGID) MAX_PL_ENTRY_PROGID, MAX(SQL_ID) MAX_SQL_ID,
MAX(SQL_EXEC_START) MAX_SQL_EXEC_START, MAX(SQL_EXEC_ID) MAX_SQL_EXEC_ID, MAX(LAST_REFRESH_TIM
E) MAX_LAST_REFRESH_TIME, MAX(STATUS) MAX_STATUS, SUM(REFRESH_COUNT) SUM_REFRESH_COUNT, MIN(FIRST_REFRESH_TIME)
MIN_FIRST_REFRESH_TIME, MAX(DBOP_NAME) MAX_DBOP_NAME, MAX(DBOP_EXEC_ID) MAX_DBOP_EXEC_ID, CASE WHEN :B13 = 0 THEN NULL
ELSE MAX(SQL_TEXT) END SQLMON_TEXT, SUM(ELAPSED_TIME) SUM_ELAPSED_TIME, MAX(ELAPSED_TIME) MAX_ELAPSED_TIME,
MAX(QUEUING_TIME) MAX_QUEUING_TIME, SUM(CPU_TIME) SUM_CPU_TIME, SUM(USER_IO_WAIT_TIME) SUM_USER_IO_WAIT_TIME,
SUM(APPLICATION_WAIT_TIME) SUM_APPLICATION_WAIT_TIME, SUM(CONCURRENCY_WAIT_TIME) SUM_CONCURRENCY_WAIT_TIME,
SUM(CLUSTER_WAIT_TIME) SUM_CLUSTER_WAIT_TIME, SUM(PLSQL_EXEC_TIME) SUM_PLSQL_EXEC_TIME, SUM(JAVA_EXEC_TIME)
SUM_JAVA_EXEC_TIME, SUM(OTHER_WAIT_TIME) SUM_OTHER_WAIT_TIME, SUM(FETCHES) SUM_FETCHES, SUM(BUFFER_GETS)
SUM_BUFFER_GETS, SUM(READ_REQS) SUM_READ_REQS, SUM(READ_BYTES) SUM_READ_BYTES, SUM(WRITE_REQS) SUM_WRITE_REQS,
SUM(WRITE_BYTES) SUM_WRITE_BYTES, NVL(SUM(READ_BYTES), 0) + NVL(SUM(WRITE_BYTES), 0) SUM_IO_B
YTES, SUM(IO_INTER_BYTES) SUM_IO_INTER_BYTES, SUM(IO_UNC_BYTES) SUM_IO_UNC_BYTES, SUM(IO_ELIG_BYTES) SUM_IO_ELIG_BYTES,
SUM(IO_RET_BYTES) SUM_IO_RET_BYTES, MAX(RM_INFO) AGG_RM_INFO, MAX(CON_NAME) MAX_CON_NAME, MAX(CON_ID) MAX_CON_ID FROM
MONITOR_DATA) MD), ASH_DATA AS (SELECT AD0.INST_ID, AD0.SESSION_ID, AD0.PLAN_LINE_ID, AD0.PLSQL_OBJECT_ID,
AD0.PLSQL_SUBPROGRAM_ID, AD0.ACTIVITY_BUCKET_NUM, AD0.PLAN_ACTIVITY_BUCKET_NUM, AD0.SQL, AD0.TOP_LEVEL_SQL_ID,
AD0.DBOP_NAME, AD0.IS_MONITORED_SQL, AD0.IS_PX_SLAVE, AD0.BUCKET_ACTIVITY_START, AD0.ACTIVITY_START,
AD0.BUCKET_ACTIVITY_END, AD0.ACTIVITY_END, AD0.ACTIVITY_COUNT, AD0.ACTIVITY_TYPE, AD0.OTHER_SQL_ACTIVITY_TYPE,
AD0.EVENT_NAME, AD0.IMQ_COUNT, AD0.WAIT_COUNT, AD0.CPU_COUNT, AD0.OTHER_SQL_COUNT, AD0.PX_SERVER_SET,
AD0.PX_DFO_ACTIVITY_COUNT, AD0.DFO_MOST_ACTIVE_IID, AD0.DFO_MOST_ACTIVE_SID, (CASE WHEN AD0.DFO_MOST_ACTIVE_IID =
AD0.INST_ID AND AD0.DFO_MOST_ACTIVE_SID = AD0.SESSION_ID AND (((AD0.PX_DFO_ACTIV
ITY_COUNT / AD0.DFO_MOST_ACTIVE_COUNT) >= AD0.PX_DOP * 1.05) OR ((AD0.PX_DFO_ACTIVITY_COUNT / AD0.DFO_MOST_ACTIVE_COUNT) <=
AD0.PX_DOP *0.95)) AND (AD0.DFO_DURATION * 100) > :B32 THEN AD0.ACTIVITY_COUNT ELSE NULL END) DFO_MOST_ACTIVE_COUNT,
AD0.BUCKET_DISTINCT_SAMPLES, AD0.SQL_BUCKET_DISTINCT_SAMPLES, CASE WHEN AD0.PX_SERVER_GROUP IS NULL AND AD0.IS_PX_SLAVE
= 1 THEN 1 ELSE AD0.PX_SERVER_GROUP END PX_SERVER_GROUP, AD0.PX_STEP_ID, AD0.PX_DFO_PAIR_TYPE, AD0.PX_DFO_PAIR_ID,
AD0.PX_STEP_ARG, AD0.PX_DOP, CASE WHEN AD0.PX_DOP IS NOT NULL AND AD0.PX_DOP <> AD0.PX_MIN_DOP AND AD0.PX_MIN_DOP != 0 THEN
PX_MIN_DOP ELSE NULL END PX_MIN_DOP FROM (SELECT /*+ use_hash(ash) leading(mo) */ ASH.INST_ID, ASH.IS_PX_SLAVE, ASH.SESSION_ID,
ASH.PLAN_LINE_ID, ASH.PLSQL_OBJECT_ID, ASH.PLSQL_SUBPROGRAM_ID, ASH.ACTIVITY_BUCKET_NUM, ASH.PLAN_ACTIVITY_BUCKET_NUM,
ASH.SQL, ASH.TOP_LEVEL_SQL_ID, ASH.DBOP_NAME, ASH.IS_MONITORED_SQL, ASH.BUCKET_ACTIVITY_START, ASH.ACTIVITY_START,
ASH.BUCKET_ACTIVITY_END, ASH.ACTIVITY_END, ASH.ACTIVITY_COUNT, ASH.ACTIVITY_TYPE, ASH.OTHER_SQL_ACTIVITY_TYPE,
ASH.EVENT_NAME, ASH.IMQ_COUNT, ASH.WAIT_COUNT, ASH.CPU_COUNT, ASH.OTHER_SQL_COUNT, MO.PX_SERVER_SET,
ASH.PX_DFO_ACTIVITY_COUNT, TRUNC(ASH.MOST_ACTIVE_IN_DFO / 10000000000) DFO_MOST_ACTIVE_COUNT,
MOD(TRUNC(ASH.MOST_ACTIVE_IN_DFO / 1000000), 10000) DFO_MOST_ACTIVE_IID, MOD(ASH.MOST_ACTIVE_IN_DFO, 1000000)
DFO_MOST_ACTIVE_SID, ASH.DFO_DURATION, ASH.BUCKET_DISTINCT_SAMPLES, ASH.SQL_BUCKET_DISTINCT_SAMPLES,
MO.PX_SERVER_GROUP, ASH.PX_STEP_ID, ASH.PX_DFO_PAIR_TYPE, ASH.PX_DFO_PAIR_ID, ASH.PX_STEP_ARG, ASH.PX_DOP,
ASH.PX_MIN_DOP FROM (SELECT /*+ no_merge */ MD.INST_ID, MD.SID, MD.SESSION_SERIAL#, MD.PX_SERVER_SET, MD.PX_SERVER_GROUP
FROM MONITOR_DATA MD WHERE MD.SID IS NOT NULL OR :B31 = 1) MO, (SELECT /*+ no_merge */ GVTF.INST_ID, GVTF.GLOBAL_SAMPLE_ID,
GVTF.IS_PX_SLAVE, GVTF.SESSION_ID, GVTF.PLAN_LINE_ID, GVTF.PLSQL_OBJECT_ID, GVTF.PLSQL_SUBPROG
RAM_ID, GVTF.ACTIVITY_BUCKET_NUM, GVTF.PLAN_ACTIVITY_BUCKET_NUM, GVTF.SQL, GVTF.TOP_LEVEL_SQL_ID, GVTF.DBOP_NAME,
GVTF.IS_MONITORED_SQL, GVTF.BUCKET_ACTIVITY_START, GVTF.ACTIVITY_START, GVTF.BUCKET_ACTIVITY_END, GVTF.ACTIVITY_END,
GVTF.ACTIVITY_COUNT, GVTF.ACTIVITY_TYPE, GVTF.OTHER_SQL_ACTIVITY_TYPE, GVTF.EVENT_NAME, GVTF.IMQ_COUNT, GVTF.WAIT_COUNT,
GVTF.CPU_COUNT, GVTF.OTHER_SQL_COUNT, MAX(GVTF.PER_SERVER_DFO_COUNT * 10000000000 + GVTF.INST_ID * 1000000 + GVTF.SESSION_ID)
OVER(PARTITION BY GVTF.PX_DFO_PAIR_TYPE, GVTF.PX_DFO_PAIR_ID) MOST_ACTIVE_IN_DFO, SUM(GVTF.ACTIVITY_COUNT) OVER(PARTITION
BY GVTF.PX_DFO_PAIR_TYPE, GVTF.PX_DFO_PAIR_ID) PX_DFO_ACTIVITY_COUNT, GVTF.DFO_DURATION, GVTF.PX_STEP_ID,
GVTF.PX_DFO_PAIR_TYPE, GVTF.PX_DFO_PAIR_ID, GVTF.PX_STEP_ARG, GVTF.PX_DOP, GVTF.PX_MIN_DOP, COUNT(DISTINCT
GVTF.GLOBAL_SAMPLE_ID) OVER(PARTITION BY GVTF.ACTIVITY_BUCKET_NUM) BUCKET_DISTINCT_SAMPLES, COUNT(DISTINCT
GVTF.GLOBAL_SAMPLE_ID) OVER(PARTITION BY GVTF.SQL
, GVTF.ACTIVITY_BUCKET_NUM) SQL_BUCKET_DISTINCT_SAMPLES FROM TABLE(SYS.GV$(CURSOR( (SELECT USERENV('INSTANCE') INST_ID,
ASH2.GLOBAL_SAMPLE_ID, CASE WHEN :B30 = 1 AND :B27 > 1 THEN BUCKET_NUM ELSE NULL END ACTIVITY_BUCKET_NUM, CASE WHEN :B29 = 1
AND :B27 > 1 THEN BUCKET_NUM ELSE NULL END PLAN_ACTIVITY_BUCKET_NUM, ASH2.SQL, ASH2.TOP_LEVEL_SQL_ID, ASH2.DBOP_NAME,
ASH2.IS_MONITORED_SQL, ASH2.PLAN_LINE_ID, ASH2.PLSQL_OBJECT_ID, ASH2.PLSQL_SUBPROGRAM_ID, ASH2.ACTIVITY_TYPE,
ASH2.OTHER_SQL_ACTIVITY_TYPE, ASH2.EVENT_NAME, ASH2.IS_PX_SLAVE, ASH2.SESSION_ID, ASH2.PX_STEP_ID, ASH2.PX_DFO_PAIR_TYPE,
ASH2.PX_DFO_PAIR_ID, ASH2.PX_STEP_ARG, CASE WHEN ASH2.PX_DFO_PAIR_ID IS NOT NULL THEN DECODE(ASH2.PX_DOP, 0, :B28 ,
ASH2.PX_DOP) ELSE NULL END PX_DOP, ASH2.PX_MIN_DOP, :B20 + NUMTODSINTERVAL(:B26 * (ASH2.BUCKET_NUM-1), 'SECOND')
BUCKET_ACTIVITY_START, :B20 + NUMTODSINTERVAL( :B26 * ASH2.BUCKET_NUM - 1, 'SECOND') BUCKET_ACTIVITY_END, ASH2.ACTIVITY_START,
ASH2.ACTIVIT
Y_END, ASH2.ACTIVITY_COUNT, ASH2.IMQ_COUNT, ASH2.WAIT_COUNT, ASH2.CPU_COUNT, ASH2.OTHER_SQL_COUNT,
SUM(ASH2.ACTIVITY_COUNT) OVER(PARTITION BY ASH2.PX_DFO_PAIR_ID, ASH2.PX_DFO_PAIR_TYPE, DECODE(ASH2.PX_DFO_PAIR_ID, NULL,
NULL, ASH2.SESSION_ID)) PER_SERVER_DFO_COUNT, CEIL((MAX(ASH2.MAX_SAMPLE_DATE) OVER(PARTITION BY ASH2.PX_DFO_PAIR_ID,
ASH2.PX_DFO_PAIR_TYPE) - MIN(ASH2.MIN_SAMPLE_DATE) OVER(PARTITION BY ASH2.PX_DFO_PAIR_ID, ASH2.PX_DFO_PAIR_TYPE)) * 3600 * 24)
DFO_DURATION FROM (SELECT ASH1.BUCKET_NUM, ASH1.GLOBAL_SAMPLE_ID, ASH1.PLAN_LINE_ID, ASH1.PLSQL_OBJECT_ID,
ASH1.PLSQL_SUBPROGRAM_ID, ASH1.ACTIVITY_TYPE, ASH1.OTHER_SQL_ACTIVITY_TYPE, ASH1.EVENT_NAME, ASH1.SESSION_ID,
ASH1.PX_STEP_ID, ASH1.PX_STEP_ARG, MAX(ASH1.SQL) SQL, MAX(ASH1.IS_MONITORED_SQL) IS_MONITORED_SQL,
MAX(ASH1.PX_DFO_PAIR_TYPE) PX_DFO_PAIR_TYPE, MAX(ASH1.PX_DFO_PAIR_ID) PX_DFO_PAIR_ID, MIN(SAMPLE_DATE) MIN_SAMPLE_DATE,
MAX(SAMPLE_DATE) MAX_SAMPLE_DATE, MAX(ASH1.IS_PX_SLAVE) IS_PX_SLAVE,
 MAX(ASH1.PX_DOP) PX_DOP, MIN(ASH1.PX_DOP) PX_MIN_DOP, MIN(ASH1.SAMPLE_DATE) ACTIVITY_START, MAX(ASH1.SAMPLE_DATE)
ACTIVITY_END, COUNT(ASH1.SQL) ACTIVITY_COUNT, COUNT(CASE WHEN ASH1.ACTIVITY_TYPE = 'Cpu' AND ASH1.EVENT_NAME = 'in memory' THEN
1 ELSE NULL END) IMQ_COUNT, COUNT(CASE WHEN ASH1.ACTIVITY_TYPE != 'Other SQL Execution' AND ASH1.ACTIVITY_TYPE != 'Non SQL' AND
ASH1.ACTIVITY_TYPE != 'Cpu' THEN 1 ELSE NULL END) WAIT_COUNT, COUNT(CASE WHEN ASH1.ACTIVITY_TYPE = 'Cpu' AND ASH1.EVENT_NAME IS
NULL THEN 1 ELSE NULL END) CPU_COUNT, COUNT(CASE WHEN ASH1.ACTIVITY_TYPE = 'Other SQL Execution' AND ASH1.ACTIVITY_TYPE != 'Non
SQL' THEN 1 ELSE NULL END) OTHER_SQL_COUNT, MAX(ASH1.TOP_LEVEL_SQL_ID) TOP_LEVEL_SQL_ID, MAX(ASH1.DBOP_NAME) DBOP_NAME
FROM ( SELECT (CASE WHEN :B27 > 1 THEN (TRUNC(DELTA_TIME_SECONDS/ :B26 ) + 1) ELSE 1 END) BUCKET_NUM, ASH00.SQL,
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ASH00.SAMPLE_DATE, NVL2(DUP.C2, TRUNC(DELTA_TIME_SECONDS/ (:B25 )) + 1, NULL) GLOBAL_SAMPLE_ID, NVL2(DUP.C2, NULL, ASH00
.IS_MONITORED_SQL) IS_MONITORED_SQL, NVL2(DUP.C2, NULL, ASH00.IN_INMEMORY_QUERY) IN_INMEMORY_QUERY, NVL2(DUP.C2, NULL,
ASH00.WAIT_CLASS) WAIT_CLASS, NVL2(DUP.C2, NULL, ASH00.ACTIVITY_TYPE) ACTIVITY_TYPE, NVL2(DUP.C2, NULL,
ASH00.OTHER_SQL_ACTIVITY_TYPE) OTHER_SQL_ACTIVITY_TYPE, NVL2(DUP.C2, NULL, ASH00.EVENT_NAME) EVENT_NAME, NVL2(DUP.C2,
NULL, ASH00.TOP_LEVEL_SQL_ID) TOP_LEVEL_SQL_ID, NVL2(DUP.C2, NULL, ASH00.DBOP_NAME) DBOP_NAME, NVL2(DUP.C2, NULL,
ASH00.IS_PX_SLAVE) IS_PX_SLAVE, NVL2(DUP.C2, NULL, ASH00.SESSION_ID) SESSION_ID, NVL2(DUP.C2, NULL, ASH00.PLSQL_OBJECT_ID)
PLSQL_OBJECT_ID, NVL2(DUP.C2, NULL, ASH00.PLSQL_SUBPROGRAM_ID) PLSQL_SUBPROGRAM_ID, NVL2(DUP.C2, NULL, ASH00.PLAN_LINE_ID)
PLAN_LINE_ID, NVL2(DUP.C2, NULL, ASH00.PX_STEP_ID) PX_STEP_ID, NVL2(DUP.C2, NULL, ASH00.PX_STEP_ARG) PX_STEP_ARG, NVL2(DUP.C2,
NULL, ASH00.PX_DFO_PAIR_ID) PX_DFO_PAIR_ID, NVL2(DUP.C2, NULL, ASH00.PX_DFO_PAIR_TYPE) PX_DFO_PAIR_TYPE, NVL2(DUP.C2, NULL
, ASH00.PX_DOP) PX_DOP FROM (SELECT 1 C1, NULL C2 FROM V$DUAL UNION ALL SELECT 1 C1, 1 C2 FROM V$DUAL) DUP, (SELECT /*+ no_merge
*/ 1 C1, ASH000.SAMPLE_DATE, ASH000.IS_MONITORED_SQL, ((EXTRACT(SECOND FROM(DELTA_TIME)) + EXTRACT(MINUTE FROM(DELTA_TIME)) *
60 + EXTRACT(HOUR FROM(DELTA_TIME)) * 3600 + EXTRACT(DAY FROM(DELTA_TIME)) * 86400)) DELTA_TIME_SECONDS,
ASH000.IN_INMEMORY_QUERY, ASH000.WAIT_CLASS, DECODE(ASH000.IS_MONITORED_SQL, 1, NVL(ASH000.WAIT_CLASS, 'Cpu'),
DECODE(SQL_ID, NULL, 'Non SQL', 'Other SQL Execution')) ACTIVITY_TYPE, NVL(ASH000.WAIT_CLASS, 'Cpu') OTHER_SQL_ACTIVITY_TYPE,
DECODE(:B24 , 1, CASE WHEN ASH000.IS_MONITORED_SQL = 1 THEN NVL(ASH000.EVENT, DECODE(ASH000.IN_INMEMORY_QUERY, 'Y', 'in
memory', ASH000.EVENT)) WHEN ASH000.SQL_ID IS NOT NULL THEN 'sql_id: ' || ASH000.SQL_ID WHEN ASH000.CALL_NAME IS NOT NULL THEN 'call: ' ||
ASH000.CALL_NAME ELSE 'anonymous: '|| ASH000.EVENT END, NULL) EVENT_NAME, CASE WHEN ASH000.IS_MONITORED_SQL = 1 AND
(NVL(ASH000.SQL_ID, :B9 ) = :B9 OR NVL(ASH000.DBOP_NAME, :B6 ) = :B6 ) THEN 'this' WHEN ASH000.IS_PX_SLAVE = 1 AND ASH000.SQL_ID IS NOT
NULL AND ASH000.TOP_LEVEL_SQL_ID != ASH000.SQL_ID THEN ASH000.TOP_LEVEL_SQL_ID WHEN ASH000.SQL_ID IS NOT NULL THEN
ASH000.SQL_ID ELSE NVL(CALL_NAME, 'anonymous') END SQL, CASE WHEN ASH000.IS_PX_SLAVE = 0 AND (ASH000.SQL_ID IS NULL OR
ASH000.TOP_LEVEL_SQL_ID != ASH000.SQL_ID) THEN ASH000.TOP_LEVEL_SQL_ID END TOP_LEVEL_SQL_ID, ASH000.DBOP_NAME,
ASH000.IS_PX_SLAVE, CASE WHEN ASH000.IS_PX_SLAVE = 1 AND ASH000.IS_MONITORED_SQL != 1 THEN 65536 ELSE ASH000.SESSION_ID END
SESSION_ID, DECODE(ASH000.IS_MONITORED_SQL, 1, ASH000.PLSQL_OBJECT_ID, NULL) PLSQL_OBJECT_ID,
DECODE(ASH000.IS_MONITORED_SQL, 1, ASH000.PLSQL_SUBPROGRAM_ID, NULL) PLSQL_SUBPROGRAM_ID,
DECODE(ASH000.IS_MONITORED_SQL, 1, ASH000.SQL_PLAN_LINE_ID, NULL) PLAN_LINE_ID, DECODE(ASH000.IS_MONITORED_SQL, 1,
ASH000.PX_STEP_ID, NULL) PX_STEP_ID, CASE WHEN ASH000.IS_PX_SLAVE = 1 AN
D ASH000.IS_MONITORED_SQL = 1 AND ASH000.PX_STEP_ID IN (1, 2, 3) THEN ASH000.PX_STEP_ARG ELSE NULL END PX_DFO_PAIR_ID, CASE
WHEN ASH000.IS_PX_SLAVE = 0 OR ASH000.IS_MONITORED_SQL != 1 THEN NULL WHEN ASH000.PX_STEP_ID = 1 THEN 1 WHEN
ASH000.PX_STEP_ID IN (2, 3) THEN 0 ELSE NULL END PX_DFO_PAIR_TYPE, DECODE(ASH000.IS_MONITORED_SQL, 1, ASH000.PX_STEP_ARG,
NULL) PX_STEP_ARG, DECODE(ASH000.IS_MONITORED_SQL, 1, ASH000.PX_DOP, NULL) PX_DOP FROM (SELECT ASH0.*, CASE WHEN
ASH0.IS_TARGET_SQL = 1 OR (ASH0.IS_PX_SLAVE = 1 AND ((NVL(ASH0.TOP_LEVEL_SQL_ID, ASH0.SQL_ID) IS NOT NULL AND
NVL(ASH0.TOP_LEVEL_SQL_ID, ASH0.SQL_ID) = :B9 ) OR (SQL_ID IS NULL AND :B23 = 'Y'))) THEN 1 ELSE 0 END IS_MONITORED_SQL FROM (SELECT
(CASE WHEN (ASH.SQL_ID = :B9 AND ASH.SQL_EXEC_ID = :B7 AND ASH.SQL_EXEC_START = :B8 ) THEN 1 ELSE 0 END) IS_TARGET_SQL,
ASH.SQL_ID, ASH.SQL_PLAN_LINE_ID, ASH.PLSQL_OBJECT_ID, ASH.PLSQL_SUBPROGRAM_ID, ASH.TOP_LEVEL_SQL_ID, DECODE(ASH.SQL_ID,
NULL, ASH.TOP_LEVEL_CALL_
NAME, NULL) CALL_NAME, ASH.EVENT, ASH.IN_INMEMORY_QUERY, ASH.WAIT_CLASS, ASH.SQL_EXEC_ID, ASH.SQL_EXEC_START,
ASH.DBOP_NAME, ASH.DBOP_EXEC_ID, ASH.SESSION_ID, ASH.SESSION_SERIAL#, CASE WHEN QC_INSTANCE_ID IS NOT NULL AND
(ASH.SESSION_ID != ASH.QC_SESSION_ID OR ASH.SESSION_SERIAL# != ASH.QC_SESSION_SERIAL# OR USERENV('instance') !=
ASH.QC_INSTANCE_ID) THEN 1 ELSE 0 END IS_PX_SLAVE, SAMPLE_TIME - CAST(:B20 AS TIMESTAMP) DELTA_TIME,
CAST(FROM_TZ(ASH.SAMPLE_TIME, DBTIMEZONE) AS DATE) SAMPLE_DATE, TRUNC(MOD(PX_FLAGS/65536, 32)) PX_STEP_ID, MOD(PX_FLAGS,
65536) PX_STEP_ARG, TRUNC(PX_FLAGS/2097152) PX_DOP FROM V$ALL_ACTIVE_SESSION_HISTORY ASH WHERE ((ASH.SESSION_ID = :B19 AND
ASH.SESSION_SERIAL# = :B18 AND USERENV('INSTANCE') = :B17 ) OR (ASH.QC_SESSION_ID IS NOT NULL AND ASH.QC_SESSION_ID = :B19 AND
ASH.QC_SESSION_SERIAL# = :B18 AND ASH.QC_INSTANCE_ID = :B17 )) AND SAMPLE_TIME BETWEEN :B16 AND :B15 ) ASH0 WHERE
(ASH0.SAMPLE_DATE BETWEEN :B20 + 1/24/3600 AND :B22 - 1/24/360
0 OR (ASH0.SQL_ID = :B9 AND ASH0.SQL_EXEC_START = :B8 AND ASH0.SQL_EXEC_ID = :B7 ) OR (ASH0.DBOP_NAME = :B6 AND ASH0.DBOP_EXEC_ID
= :B5 )) AND (:B21 IS NULL OR ASH0.SQL_PLAN_LINE_ID = :B21 ) AND (ASH0.IS_PX_SLAVE = 0 OR ASH0.SQL_ID IS NOT NULL)) ASH000 ) ASH00
WHERE ASH00.C1 = DUP.C1) ASH1 WHERE ASH1.BUCKET_NUM > 0 AND ASH1.BUCKET_NUM <= :B27 GROUP BY USERENV('INSTANCE'),
ASH1.GLOBAL_SAMPLE_ID, ASH1.BUCKET_NUM, ASH1.SESSION_ID, ASH1.PLAN_LINE_ID, ASH1.PLSQL_OBJECT_ID,
ASH1.PLSQL_SUBPROGRAM_ID, ASH1.ACTIVITY_TYPE, ASH1.EVENT_NAME, ASH1.OTHER_SQL_ACTIVITY_TYPE, ASH1.PX_STEP_ID,
ASH1.PX_STEP_ARG) ASH2)))) GVTF WHERE GVTF.INST_ID BETWEEN :B11 AND :B10 ) ASH WHERE ASH.GLOBAL_SAMPLE_ID IS NULL AND
ASH.SESSION_ID = MO.SID(+) AND ASH.INST_ID = MO.INST_ID(+)) AD0), RESPONSE_TIME_DATA AS (SELECT ADH.BUCKET_NUM,
ADH.SQL_ROWNUM, ADH.SQL, ADH.TOP_LEVEL_SQL_ID, ADH.DBOP_NAME, ADH.PX_ID, DECODE( ADH.PX_STEP_ID, NULL, NULL, 0, NULL, 1,
'PX Server(s) - Executing Parent DFO
', 2, 'PX Server(s) - Executing Child DFO', 3, 'PX Server(s) - Sampling Child DFO', 4, 'PX Server(s) - Joining Group', 5, 'QC - Scheduling Child DFO', 6, 'QC -
Scheduling Parent DFO', 7, 'QC - Initializing Objects', 8, 'QC - Flushing Objects', 9, 'QC - Allocating Slaves', 10, 'QC - Initializing Granules', 11, 'PX Server(s) -
Parsing Cursor', 12, 'PX Server(s) - Executing Cursor', 13, 'PX Server(s) - Preparing Transaction', 14, 'PX Server(s) - Joining Transaction', 15, 'PX Server(s) -
Load Commit', 16, 'PX Server(s) - Aborting Transaction', 17, 'QC - Executing Child DFO', 18, 'QC - Executing Parent DFO', 'PX Step - ' || PX_STEP_ID)
PX_STEP_ID, ADH.PX_STEP_ARG, ADH.PX_DFO_PAIR_ID, ADH.PX_DOP, ADH.PX_MIN_DOP, ADH.DFO_MOST_ACTIVE_IID,
ADH.DFO_MOST_ACTIVE_SID, ADH.DFO_MOST_ACTIVE_COUNT, ADH.ACTIVITY_START, ADH.ACTIVITY_END, ADH.ACTIVITY_TYPE,
ADH.OTHER_SQL_ACTIVITY_TYPE, ADH.EVENT_NAME, ADH.PLAN_LINE_ID, ADH.PLSQL_OBJECT_ID, ADH.PLSQL_SUBPRO
GRAM_ID, CASE WHEN PLSQL_ROWNUM = 1 AND ADH.PLSQL_OBJECT_ID IS NOT NULL THEN NVL((SELECT P.OWNER || '.' || P.OBJECT_NAME ||
DECODE(P.PROCEDURE_NAME, NULL, '', '.' || P.PROCEDURE_NAME) FROM ALL_PROCEDURES P WHERE P.OBJECT_ID = ADH.PLSQL_OBJECT_ID
AND P.SUBPROGRAM_ID = ADH.PLSQL_SUBPROGRAM_ID), 'Unavailable') ELSE NULL END PLSQL_NAME, ADH.ACTIVITY_COUNT,
ADH.BUCKET_ACTIVE_SECONDS, ADH.BUCKET_IDLE_SECONDS, (CASE WHEN ADH.IS_MONITORED_SQL = 0 THEN ADH.ACTIVE_SECONDS WHEN
ADH.PX_DFO_PAIR_ID IS NOT NULL AND ADH.DFO_PAIR_CPU_HEIGHT >= :B34 THEN DECODE(ADH.ACTIVITY_TYPE, 'Cpu',
(ADH.DFO_PAIR_ACTIVITY_HEIGHT / ADH.DFO_PAIR_CPU_HEIGHT) * ADH.DFO_PAIR_TOTAL_SECONDS, 0) WHEN ADH.PX_DFO_PAIR_ID IS NOT
NULL AND ADH.PX_DOP > :B34 THEN (ADH.DFO_PAIR_TOTAL_SECONDS * DECODE(ADH.ACTIVITY_TYPE, 'Cpu', ADH.DFO_PAIR_ACTIVITY_HEIGHT,
(ADH.DFO_PAIR_ACTIVITY_HEIGHT * (:B34 - ADH.DFO_PAIR_CPU_HEIGHT)) / (ADH.DFO_PAIR_TOTAL_HEIGHT_ADJ - ADH.DFO_PAIR_CPU_HEIGHT))) /
:B34 WHEN ADH.PX_DFO_PAIR_
ID IS NOT NULL THEN (ADH.DFO_PAIR_TOTAL_SECONDS * ADH.DFO_PAIR_ACTIVITY_HEIGHT) / ADH.PX_DOP ELSE ADH.ACTIVE_SECONDS END)
RESP_TIME, (CASE WHEN ADH.PX_DFO_PAIR_ID IS NOT NULL AND ADH.DFO_PAIR_IDLE_HEIGHT > 0 AND ADH.PX_DOP > :B34 THEN
(ADH.DFO_PAIR_TOTAL_SECONDS * (ADH.DFO_PAIR_IDLE_HEIGHT * (:B34 - ADH.DFO_PAIR_CPU_HEIGHT)) / (ADH.DFO_PAIR_TOTAL_HEIGHT_ADJ -
ADH.DFO_PAIR_CPU_HEIGHT)) / :B34 WHEN ADH.PX_DFO_PAIR_ID IS NOT NULL AND ADH.DFO_PAIR_IDLE_HEIGHT > 0 THEN
(ADH.DFO_PAIR_TOTAL_SECONDS * ADH.DFO_PAIR_IDLE_HEIGHT) / ADH.PX_DOP ELSE 0 END) DFO_PAIR_IDLE_RESP_TIME,
ADH.DFO_PAIR_ACTIVITY_HEIGHT, ADH.DFO_PAIR_CPU_HEIGHT, ADH.DFO_PAIR_IDLE_HEIGHT, ADH.DFO_PAIR_TOTAL_HEIGHT,
ADH.DFO_PAIR_CPU_ACTIVITY, ADH.DFO_PAIR_TOTAL_SECONDS FROM (SELECT ADH_1.*, (ROW_NUMBER() OVER(PARTITION BY
ADH_1.PLSQL_OBJECT_ID, ADH_1.PLSQL_SUBPROGRAM_ID ORDER BY ADH_1.BUCKET_NUM, ADH_1.ACTIVITY_TYPE, ADH_1.EVENT_NAME))
PLSQL_ROWNUM, (ROW_NUMBER() OVER(PARTITION BY ADH_1.SQL ORDER BY ADH_1.B
UCKET_NUM, ADH_1.ACTIVITY_TYPE, ADH_1.EVENT_NAME)) SQL_ROWNUM, (CASE WHEN ADH_1.PX_DFO_PAIR_ID IS NOT NULL AND
(ADH_1.DFO_PAIR_TOTAL_HEIGHT < ADH_1.PX_DOP) AND (ADH_1.DFO_PAIR_CPU_HEIGHT < :B34 ) THEN ADH_1.PX_DOP -
ADH_1.DFO_PAIR_TOTAL_HEIGHT ELSE 0 END) DFO_PAIR_IDLE_HEIGHT, (CASE WHEN ADH_1.PX_DFO_PAIR_ID IS NOT NULL AND
(ADH_1.DFO_PAIR_TOTAL_HEIGHT < ADH_1.PX_DOP) AND (ADH_1.DFO_PAIR_CPU_HEIGHT < :B34 ) THEN ADH_1.PX_DOP ELSE
ADH_1.DFO_PAIR_TOTAL_HEIGHT END) DFO_PAIR_TOTAL_HEIGHT_ADJ FROM (SELECT ADH_0.*, (CASE WHEN ADH_0.DFO_PAIR_TOTAL_SECONDS
> 0 THEN (ADH_0.DFO_PAIR_TOTAL_ACTIVITY * :B25 ) / ADH_0.DFO_PAIR_TOTAL_SECONDS ELSE 0 END) DFO_PAIR_TOTAL_HEIGHT, (CASE WHEN
ADH_0.DFO_PAIR_TOTAL_SECONDS > 0 THEN (ADH_0.DFO_PAIR_CPU_ACTIVITY * :B25 ) / ADH_0.DFO_PAIR_TOTAL_SECONDS ELSE 0 END)
DFO_PAIR_CPU_HEIGHT, (CASE WHEN ADH_0.PX_DFO_PAIR_ID IS NOT NULL AND ADH_0.DFO_PAIR_TOTAL_SECONDS > 0 THEN
(ADH_0.ACTIVITY_COUNT * :B25 ) / ADH_0.DFO_PAIR_TOTAL_SECONDS ELS
E 0 END) DFO_PAIR_ACTIVITY_HEIGHT FROM (SELECT AD3.*, (SUM(DECODE(AD3.PX_DFO_PAIR_ID, NULL, 0, AD3.ACTIVE_SECONDS))
OVER(PARTITION BY DECODE(AD3.PX_DFO_PAIR_ID, NULL, NULL, AD3.BUCKET_NUM), DECODE(AD3.PX_DFO_PAIR_ID, NULL, NULL,
AD3.PX_STEP_ARG))) DFO_PAIR_TOTAL_SECONDS FROM (SELECT AD2.*, CASE WHEN AD2.IS_MONITORED_SQL = 0 THEN
SQL_BUCKET_DISTINCT_SAMPLES * :B25 WHEN AD2.PX_ID IS NULL THEN AD2.ACTIVITY_COUNT * :B25 WHEN
AD2.BUCKET_PARALLEL_MON_ACTIVITY > 0 THEN (AD2.ACTIVITY_COUNT * AD2.BUCKET_PARALLEL_MON_SECONDS) /
AD2.BUCKET_PARALLEL_MON_ACTIVITY ELSE 0 END ACTIVE_SECONDS, CASE WHEN AD2.BUCKET_INTERVAL > BUCKET_ACTIVE_SECONDS THEN
AD2.BUCKET_INTERVAL - BUCKET_ACTIVE_SECONDS ELSE 0 END BUCKET_IDLE_SECONDS FROM (SELECT AD1.*,
(AD1.BUCKET_SERIAL_MON_ACTIVITY * :B25 ) BUCKET_SERIAL_MON_SECONDS, (AD1.BUCKET_TOTAL_MON_ACTIVITY -
AD1.BUCKET_SERIAL_MON_ACTIVITY) BUCKET_PARALLEL_MON_ACTIVITY, (AD1.BUCKET_ACTIVE_SECONDS - (AD1.BUCKET_OTHER_ACTIVITY +
AD1.BUCKET_SERIAL_M
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ON_ACTIVITY) * :B25 ) BUCKET_PARALLEL_MON_SECONDS, (AD1.BUCKET_OTHER_ACTIVITY * :B25 ) BUCKET_OTHER_SECONDS,
DECODE(AD1.PX_DFO_PAIR_ID, NULL, NULL, SUM(AD1.ACTIVITY_COUNT) OVER(PARTITION BY DECODE(AD1.PX_DFO_PAIR_ID, NULL, NULL,
AD1.BUCKET_NUM), AD1.PX_DFO_PAIR_ID)) DFO_PAIR_TOTAL_ACTIVITY, DECODE(AD1.PX_DFO_PAIR_ID, NULL, NULL,
SUM(DECODE(AD1.ACTIVITY_TYPE, 'Cpu', AD1.ACTIVITY_COUNT, 0)) OVER(PARTITION BY DECODE(AD1.PX_DFO_PAIR_ID, NULL, NULL,
AD1.BUCKET_NUM), AD1.PX_DFO_PAIR_ID)) DFO_PAIR_CPU_ACTIVITY FROM (SELECT AD01.*, NVL((SUM(DECODE(AD01.IS_MONITORED_SQL, 1,
AD01.ACTIVITY_COUNT, NULL)) OVER(PARTITION BY AD01.BUCKET_NUM)), 0) BUCKET_TOTAL_MON_ACTIVITY, (NVL(SUM(CASE WHEN
AD01.IS_MONITORED_SQL = 1 AND AD01.PX_ID IS NULL THEN AD01.ACTIVITY_COUNT ELSE NULL END) OVER(PARTITION BY AD01.BUCKET_NUM),
0)) BUCKET_SERIAL_MON_ACTIVITY, (NVL((SUM(DECODE(AD01.IS_MONITORED_SQL, 0, AD01.SQL_BUCKET_DISTINCT_SAMPLES, NULL))
OVER(PARTITION BY AD01.BUCKET_NUM)), 0))
BUCKET_OTHER_ACTIVITY, (NVL(AD01.BUCKET_DISTINCT_SAMPLES, 0) * :B25 ) BUCKET_ACTIVE_SECONDS, DECODE(AD01.BUCKET_NUM, :B27 ,
MOD(:B32 , :B26 ), :B26 ) BUCKET_INTERVAL FROM (SELECT AD0.ACTIVITY_BUCKET_NUM BUCKET_NUM, AD0.PX_ID, AD0.ACTIVITY_TYPE,
AD0.OTHER_SQL_ACTIVITY_TYPE, AD0.EVENT_NAME, AD0.PLAN_LINE_ID, AD0.PX_STEP_ID, AD0.PX_STEP_ARG, AD0.PLSQL_OBJECT_ID,
AD0.PLSQL_SUBPROGRAM_ID, SUM(AD0.ACTIVITY_COUNT) ACTIVITY_COUNT, MIN(AD0.ACTIVITY_START) ACTIVITY_START,
MAX(AD0.ACTIVITY_END) ACTIVITY_END, MAX(AD0.IS_MONITORED_SQL) IS_MONITORED_SQL, MAX(AD0.SQL) SQL, MAX(AD0.TOP_LEVEL_SQL_ID)
TOP_LEVEL_SQL_ID, MAX(AD0.DBOP_NAME) DBOP_NAME, MAX(DECODE(AD0.DFO_MOST_ACTIVE_COUNT, NULL, NULL,
AD0.DFO_MOST_ACTIVE_IID)) DFO_MOST_ACTIVE_IID, MAX(DECODE(AD0.DFO_MOST_ACTIVE_COUNT, NULL, NULL,
AD0.DFO_MOST_ACTIVE_SID)) DFO_MOST_ACTIVE_SID, SUM(AD0.DFO_MOST_ACTIVE_COUNT) DFO_MOST_ACTIVE_COUNT,
MAX(PX_DFO_PAIR_TYPE) PX_DFO_PAIR_TYPE, MAX(PX_DFO_PAIR_ID) PX_DFO_PAIR_ID, MA
X(AD0.PX_DOP) PX_DOP, MIN(AD0.PX_MIN_DOP) PX_MIN_DOP, MAX(AD0.BUCKET_DISTINCT_SAMPLES) BUCKET_DISTINCT_SAMPLES,
MAX(AD0.SQL_BUCKET_DISTINCT_SAMPLES) SQL_BUCKET_DISTINCT_SAMPLES FROM (SELECT AD00.*, (CASE WHEN AD00.IS_MONITORED_SQL =
1 AND (AD00.SESSION_ID != :B19 OR AD00.INST_ID != :B17 ) THEN AD00.PX_SERVER_GROUP END) PX_ID FROM ASH_DATA AD00 WHERE :B33 = 1 )
AD0 GROUP BY AD0.ACTIVITY_BUCKET_NUM, AD0.PX_ID, AD0.ACTIVITY_TYPE, AD0.EVENT_NAME, AD0.OTHER_SQL_ACTIVITY_TYPE,
AD0.PLAN_LINE_ID, AD0.PLSQL_OBJECT_ID, AD0.PLSQL_SUBPROGRAM_ID, AD0.PX_STEP_ID, AD0.PX_STEP_ARG ) AD01) AD1) AD2) AD3) ADH_0)
ADH_1) ADH) SELECT /*+ no_monitor no_xml_query_rewrite
        opt_param('_gby_hash_aggregation_enabled', 'false') */ XMLELEMENT( "sql_monitor_report", XMLATTRIBUTES(:B59 AS "version", TO_CHAR(:B58 ,
:B12 ) AS "sysdate"), XMLELEMENT( "report_parameters", NULL, CASE WHEN :B57 IS NOT NULL THEN XMLFOREST( :B57 AS "dbop_name
", :B56 AS "dbop_exec_id") ELSE XMLFOREST( :B55 AS "sql_id", :B54 AS "sql_exec_id") END, XMLFOREST( :B53 AS "session_id", :B52 AS "session_serial",
TO_CHAR(:B51 , :B12 ) AS "sql_exec_start", :B27 AS "bucket_count", TO_CHAR(:B50 , :B12 ) AS "interval_start", TO_CHAR(:B22 , :B12 ) AS "interval_end",
DECODE(:B49 , 'Y', :B48 , NULL) AS "auto_refresh", :B47 AS "base_path"), CASE WHEN :B23 = 'Y' AND :B46 IS NOT NULL AND NOT (:B4 = 1 AND :B3 IS
NULL AND :B2 IS NULL AND :B1 IS NULL) THEN XMLELEMENT( "parallel_filter", NULL, XMLFOREST( DECODE(:B4 , 1, 'yes', 'no') AS "qc", :B3 AS
"server_group", :B2 AS "server_set", :B1 AS "server_number")) ELSE NULL END), CASE WHEN :B14 = 1 THEN XMLELEMENT( "derived_parameters_testing",
NULL, XMLFOREST(:B11 AS "instance_id_low", :B10 AS "instanc
e_id_high", :B26 AS "bucket_interval_sec", :B32 AS "interval_second", :B27 AS "bucket_calc_count", :B45 AS "bucket_calc_max_count", :B13 AS "sel_sqltext"))
ELSE NULL END, (SELECT XMLCONCAT( CASE WHEN :B46 IS NULL AND :B67 IS NULL THEN XMLELEMENT( "target", XMLATTRIBUTES(:B17 AS
"instance_id", :B19 AS "session_id", :B18 AS "session_serial", NVL2(:B6 , NULL, :B9 ) AS "sql_id", NVL2(:B6 , NULL, TO_CHAR(:B8 , :B12 )) AS
"sql_exec_start", NVL2(:B6 , NULL, :B7 ) AS "sql_exec_id", NVL2(:B6 , :B6 , NULL) AS "dbop_name", NVL2(:B6 , :B5 , NULL) AS "dbop_exec_id", NVL2(:B6
, TO_CHAR(:B8 , :B12 ), NULL) AS "dbop_exec_start", NVL2(:B6 , NULL, MAX_PLAN_HASH_VALUE) AS "sql_plan_hash", NVL2(:B6 , NULL,
MAX_FULL_PLAN_HASH_VALUE) AS "sql_full_plan_hash", MAGG.DB_UNIQUE_NAME AS "db_unique_nam
e", MAGG.PLATFORM_NAME AS "db_platform_name", MAGG.HOST_NAME AS "report_host_name"), NVL2(SUM_SERVERS_REQUESTED, XMLELEMENT(
"servers_requested", NULL, SUM_SERVERS_REQUESTED), NULL), NVL2(SUM_SERVERS_ALLOCATED, XMLELEMENT( "servers_allocated", NULL,
SUM_SERVERS_ALLOCATED), NULL), NVL2(MAX_USERID, XMLELEMENT( "user_id", NULL, MAX_USERID), NULL), NVL2(MAX_USERNAME,
XMLELEMENT( "user", NULL, MAX_USERNAME), NULL), NVL2(MAX_CON_ID, XMLELEMENT( "con_id", NULL, MAX_CON_ID), NULL),
NVL2(MAX_CON_NAME, XMLELEMENT( "con_name", NULL, MAX_CON_NAME), NULL), NVL2(MAX_PROGRAM, XMLELEMENT( "program", NULL,
MAX_PROGRAM), NULL), NVL2(MAX_MODULE, XMLELEMENT( "module", NULL, MAX_MODULE), NULL), NVL2(MAX_ACTION, XMLELEMENT( "action",
NULL, MAX_ACTION), NULL), NVL2(MAX_SERVICE_NAME, XMLELEMENT( "service", NULL, MAX_SERVICE_NAME), NULL
), NVL2(MAX_CLIENT_ID, XMLELEMENT( "client_id", NULL, MAX_CLIENT_ID), NULL), NVL2(MAX_CLIENT_INFO, XMLELEMENT( "client_info", NULL,
MAX_CLIENT_INFO), NULL), NVL2(MAX_PL_ENTRY_OID, XMLELEMENT( "plsql_entry_object_id", NULL, MAX_PL_ENTRY_OID), NULL),
NVL2(MAX_PL_ENTRY_PROGID, XMLELEMENT( "plsql_entry_subprogram_id", NULL, MAX_PL_ENTRY_PROGID), NULL), NVL2(MAX_PL_ENTRY_NAME,
XMLELEMENT( "plsql_entry_name", NULL, MAX_PL_ENTRY_NAME), NULL), NVL2(MAX_PL_OID, XMLELEMENT( "plsql_object_id", NULL, MAX_PL_OID),
NULL), NVL2(MAX_PL_PROGID, XMLELEMENT( "plsql_subprogram_id", NULL, MAX_PL_PROGID), NULL), NVL2(MAX_PL_NAME, XMLELEMENT(
"plsql_name", NULL, MAX_PL_NAME), NULL), CASE WHEN (:B13 = 0 OR :B6 IS NOT NULL) THEN NULL ELSE XMLELEMENT( "sql_fulltext",
XMLATTRIBUTES( NVL2(:B65 , 'Y', :B66 ) AS "is_full"), NVL2(:B65 , :B65 , SQLMON_TEXT)) END, XMLELEME
NT( "status", NULL, MAX_STATUS), XMLELEMENT( "refresh_count", NULL, SUM_REFRESH_COUNT), XMLELEMENT( "first_refresh_time", NULL,
TO_CHAR(MIN_FIRST_REFRESH_TIME, :B12 )), XMLELEMENT( "last_refresh_time", NULL, TO_CHAR(:B58 , :B12 )), XMLELEMENT( "duration", NULL,
GREATEST(:B64 , LEAST(MAX_ELAPSED_TIME/1000000, 1), CEIL(MAX_QUEUING_TIME/1000000))), DECODE(MAX_RM_INFO, '00/00/0000 00:00:00',
NULL, XMLTYPE(SUBSTR(MAX_RM_INFO, 20))), CASE WHEN (:B62 = 'Y') THEN XMLELEMENT( "adaptive_plan", XMLATTRIBUTES(:B63 AS "is_final"),
:B62 ) ELSE NULL END ) END, XMLELEMENT( "stats", XMLATTRIBUTES('monitor' AS "type"), DECODE(NVL(SUM_ELAPSED_TIME, 0), 0, NULL,
XMLELEMENT( "stat", XMLATTRIBUTES('elapsed_time' AS "name"), SUM_ELAPSED_TIME)), DECODE(NVL(MAX_QUEUING_TIME, 0), 0, NULL,
XMLELEMENT( "stat", XMLATTRIBUTES('queuing_time' AS "name
"), MAX_QUEUING_TIME)), DECODE(NVL(SUM_CPU_TIME, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('cpu_time' AS "name"),
SUM_CPU_TIME)), DECODE(NVL(SUM_USER_IO_WAIT_TIME, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('user_io_wait_time' AS "name"),
SUM_USER_IO_WAIT_TIME)), DECODE(NVL(SUM_APPLICATION_WAIT_TIME, 0), 0, NULL, XMLELEMENT( "stat",
XMLATTRIBUTES('application_wait_time' AS "name"), SUM_APPLICATION_WAIT_TIME)), DECODE(NVL(SUM_CONCURRENCY_WAIT_TIME, 0), 0, NULL,
XMLELEMENT( "stat", XMLATTRIBUTES('concurrency_wait_time' AS "name"), SUM_CONCURRENCY_WAIT_TIME)),
DECODE(NVL(SUM_CLUSTER_WAIT_TIME, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('cluster_wait_time' AS "name"),
SUM_CLUSTER_WAIT_TIME)), DECODE(NVL(SUM_PLSQL_EXEC_TIME, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('plsql_exec_time' AS
"name"), SUM_PLSQL_EX
EC_TIME)), DECODE(NVL(SUM_JAVA_EXEC_TIME, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('java_exec_time' AS "name"),
SUM_JAVA_EXEC_TIME)), DECODE(NVL(SUM_OTHER_WAIT_TIME, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('other_wait_time' AS "name"),
SUM_OTHER_WAIT_TIME)), DECODE(NVL(SUM_FETCHES, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('user_fetch_count' AS "name"),
SUM_FETCHES)), DECODE(NVL(SUM_BUFFER_GETS, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('buffer_gets' AS "name"),
SUM_BUFFER_GETS)), DECODE(NVL(SUM_READ_REQS, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('disk_reads' AS "name"),
SUM_READ_REQS)), DECODE(NVL(SUM_WRITE_REQS, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('direct_writes' AS "name"),
SUM_WRITE_REQS)), DECODE(NVL(SUM_READ_REQS, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('read
_reqs' AS "name"), SUM_READ_REQS)), DECODE(NVL(SUM_READ_BYTES, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('read_bytes' AS
"name"), SUM_READ_BYTES)), DECODE(NVL(SUM_WRITE_REQS, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('write_reqs' AS "name"),
SUM_WRITE_REQS)), DECODE(NVL(SUM_WRITE_BYTES, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('write_bytes' AS "name"),
SUM_WRITE_BYTES)), DECODE(NVL(SUM_IO_UNC_BYTES, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('unc_bytes' AS "name"),
SUM_IO_UNC_BYTES)), DECODE(NVL(SUM_IO_ELIG_BYTES, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('elig_bytes' AS "name"),
SUM_IO_ELIG_BYTES)), DECODE(NVL(SUM_IO_RET_BYTES, 0), 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('ret_bytes' AS "name"),
SUM_IO_RET_BYTES)), CASE WHEN SUM_IO_INTER_BYTES IS NULL OR SUM_IO_BYTES = 0 OR SUM_IO_INTER_
BYTES = SUM_IO_BYTES OR NVL(SUM_IO_ELIG_BYTES, 0) = 0 THEN NULL ELSE XMLELEMENT( "stat", XMLATTRIBUTES('cell_offload_efficiency' AS
"name"), ROUND(SUM_IO_BYTES / DECODE(SUM_IO_INTER_BYTES, 0, 1, SUM_IO_INTER_BYTES), 2)) END, CASE WHEN
NVL(SUM_IO_ELIG_BYTES, 0) = 0 OR SUM_IO_BYTES = 0 OR SUM_IO_UNC_BYTES = SUM_IO_RET_BYTES THEN NULL ELSE XMLELEMENT( "stat",
XMLATTRIBUTES('cell_offload_efficiency2' AS "name"), GREATEST(0, ROUND(100* (GREATEST(SUM_IO_UNC_BYTES, SUM_IO_ELIG_BYTES) -
SUM_IO_RET_BYTES) / SUM_IO_ELIG_BYTES, 2))) END), CASE WHEN :B33 = 1 THEN (SELECT CASE WHEN SUM(ACTIVITY_COUNT) > 0 THEN
XMLELEMENT( "activity_sampled", XMLAGG( XMLELEMENT( "activity", XMLATTRIBUTES( AD1.ACTIVITY_TYPE AS "class", AD1.EVENT_NAME AS "event"),
AD1.ACTIVITY_COUNT) ORDER BY AD1.ACTIVITY_TYPE, AD1.EVENT_NAME)) ELSE NULL END FROM (SELECT AD0.ACTIVITY_TYPE,
AD0.EVENT_NAME, SUM(AD0.ACTIVITY_COUNT) AC
TIVITY_COUNT FROM ASH_DATA AD0 GROUP BY AD0.ACTIVITY_TYPE, AD0.EVENT_NAME) AD1) ELSE NULL END, NVL2(MAX_ERROR_NUMBER,
XMLELEMENT( "error", XMLATTRIBUTES(MAX_ERROR_NUMBER AS "number", MAX_ERROR_FACILITY AS "facility"), MAX_ERROR_MESSAGE), NULL),
CASE WHEN :B61 = 1 AND MAGG.QC_HAS_BINDS_XML = 'Y' THEN (SELECT XMLTYPE(BINDS_XML) FROM GV$ALL_SQL_MONITOR MON WHERE
MON.INST_ID = :B17 AND MON.KEY = MAGG.MAX_KEY AND MON.SID = MAGG.MAX_SESSION_ID AND MON.SQL_ID = :B9 AND MON.SQL_EXEC_START
= :B8 AND MON.SQL_EXEC_ID = :B7 AND ROWNUM = 1) ELSE NULL END, CASE WHEN :B60 = 1 AND MAGG.QC_HAS_OTHER_XML = 'Y' THEN (SELECT
XMLTYPE(OTHER_XML) FROM GV$ALL_SQL_MONITOR MON WHERE MON.INST_ID = MAGG.MAX_INST_ID AND MON.KEY = MAGG.MAX_KEY AND
MON.SID = MAGG.MAX_SESSION_ID AND MON.SQL_ID = :B9 AND MON.SQL_EXEC_START = :B8 AND MON.SQL_EXEC_ID = :B7 AND ROWNUM = 1)
ELSE NULL END) FROM MONITOR_AGG MAGG), CASE WHEN :B44 = 1 THEN (SELECT CASE WHEN AT.ACTIVITY_COUNT > 0 THEN
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XMLELEMENT( "activity_sampled", XMLATTRIBUTES( :B41 AS "ash_missing_seconds", TO_CHAR(AT.ACTIVITY_START, :B12 ) AS "first_sample_time", TO_CHAR(AT.ACTIVITY_END, :B12 ) AS "last_sample_time", ROUND((AT.ACTIVITY_END - AT.ACTIVITY_START) * 3600 * 24) + 1 AS "duration", AT.ACTIVITY_COUNT AS "count", AT.IMQ_COUNT AS "imq_count", AT.WAIT_COUNT AS "wait_count", AT.CPU_COUNT AS "cpu_count", DECODE(AT.OTHER_SQL_COUNT, 0, NULL, AT.OTHER_SQL_COUNT) AS "other_sql_count", :B40 AS "cpu_cores", :B39 AS "hyperthread"), AT.ACTIVITY_TOTAL, AH.GLOB_ACTIVITY_HISTO) WHEN :B41 IS NOT NULL THEN XMLELEMENT( "activity_sampled", XMLATTRIBUTES( DECODE( :B41 , -1, 'all', TO_CHAR( :B41 )) AS "ash_missing_seconds")) ELSE NULL END FROM (SELECT MIN(AD1.ACTIVITY_START) ACTIVITY_START, MAX(AD1.ACTIVITY_END) ACTIVITY_END, SUM(AD1.ACTIVITY_COUNT) ACTIVITY_COU
NT, SUM(AD1.IMQ_COUNT) IMQ_COUNT, SUM(AD1.WAIT_COUNT) WAIT_COUNT, SUM(AD1.CPU_COUNT) CPU_COUNT, SUM(AD1.OTHER_SQL_COUNT) OTHER_SQL_COUNT, SUBSTR(MAX(LPAD(AD1.ACTIVITY_COUNT, 10)|| AD1.ACTIVITY_TYPE), 11) MOST_ACTIVE, XMLAGG( XMLELEMENT( "activity", XMLATTRIBUTES( AD1.ACTIVITY_TYPE AS "class", AD1.EVENT_NAME AS "event"), AD1.ACTIVITY_COUNT) ORDER BY AD1.ACTIVITY_TYPE, AD1.EVENT_NAME) ACTIVITY_TOTAL FROM (SELECT AD0.ACTIVITY_TYPE, AD0.EVENT_NAME, MIN(AD0.ACTIVITY_START) ACTIVITY_START, MAX(AD0.ACTIVITY_END) ACTIVITY_END, SUM(AD0.ACTIVITY_COUNT) ACTIVITY_COUNT, SUM(AD0.IMQ_COUNT) IMQ_COUNT, SUM(AD0.WAIT_COUNT) WAIT_COUNT, SUM(AD0.CPU_COUNT) CPU_COUNT, SUM(AD0.OTHER_SQL_COUNT) OTHER_SQL_COUNT FROM ASH_DATA AD0 GROUP BY AD0.ACTIVITY_TYPE, AD0.EVENT_NAME) AD1) AT, (SELECT CASE WHEN :B30 = 1 AND :B27 > 1 THEN XMLELEMENT( "activity_histogram", XMLATTRIBUTES( :B26 AS "bucket_interval", :B27 AS "bucket_count", TO_CHAR( :B20 , :B12 ) AS "start_time", TO_CHAR( :B22 , :B12 ) AS "end_time", ROUND(( :B22 - :B20 ) *3600*24) + 1 AS "duration"), XMLAGG( XMLELEMENT( "bucket", XMLATTRIBUTES( AD2.BUCKET_NUM AS "number"), ACTIVITY_BUCKET) ORDER BY AD2.BUCKET_NUM)) ELSE NULL END GLOB_ACTIVITY_HISTO FROM (SELECT AD1.BUCKET_NUM, SUM(ACTIVITY_COUNT) ACTIVITY_COUNT, SUM(IMQ_COUNT) IMQ_COUNT, SUM(WAIT_COUNT) WAIT_COUNT, SUM(CPU_COUNT) CPU_COUNT, SUM(OTHER_SQL_COUNT) OTHER_SQL_COUNT, MIN(AD1.ACTIVITY_START) ACTIVITY_START, MAX(AD1.ACTIVITY_END) ACTIVITY_END, MIN(AD1.BUCKET_ACTIVITY_START) BUCKET_ACTIVITY_START, MAX(AD1.BUCKET_ACTIVITY_END) BUCKET_ACTIVITY_END, SUBSTR(MAX(LPAD(AD1.ACTIVITY_COUNT, 10)|| AD1.ACTIVITY_TYPE), 11) MOST_ACTIVE, XMLAGG( XMLELEMENT( "activity", XMLATTRIBUTES( AD1.ACTIVITY_TYPE AS "class", AD1.EVENT_NAME AS "event"), AD1.ACTIVITY_COUNT) ORDER BY AD1.ACTIVITY_TYPE, AD1.EVENT_NAME) ACTI
VITY_BUCKET FROM (SELECT AD0.ACTIVITY_BUCKET_NUM BUCKET_NUM, AD0.ACTIVITY_TYPE, AD0.EVENT_NAME, MIN(AD0.ACTIVITY_START) ACTIVITY_START, MAX(AD0.ACTIVITY_END) ACTIVITY_END, SUM(AD0.ACTIVITY_COUNT) ACTIVITY_COUNT, SUM(AD0.IMQ_COUNT) IMQ_COUNT, SUM(AD0.WAIT_COUNT) WAIT_COUNT, SUM(AD0.CPU_COUNT) CPU_COUNT, SUM(AD0.OTHER_SQL_COUNT) OTHER_SQL_COUNT, MIN(AD0.BUCKET_ACTIVITY_START) BUCKET_ACTIVITY_START, MAX(AD0.BUCKET_ACTIVITY_END) BUCKET_ACTIVITY_END FROM ASH_DATA AD0 GROUP BY AD0.ACTIVITY_BUCKET_NUM, AD0.ACTIVITY_TYPE, AD0.EVENT_NAME) AD1 GROUP BY AD1.BUCKET_NUM) AD2) AH) ELSE NULL END, CASE WHEN :B33 = 1 THEN (SELECT CASE WHEN AH.ACTIVITY_COUNT > 0 THEN XMLELEMENT( "activity_detail", XMLATTRIBUTES( TO_CHAR( :B20 , :B12 ) AS "start_time", TO_CHAR( :B22 , :B12 ) AS "end_time", :B41 AS "ash_missing_seconds", TO_CHAR(AH.ACTIVITY_START, :B12 ) AS "first_sample_time", TO_CHAR(AH.ACTIVITY_END, :B12 ) AS "last_sample_
time", ROUND((AH.ACTIVITY_END - AH.ACTIVITY_START) * 3600 * 24) + 1 AS "duration", :B25 AS "sample_interval", :B26 AS "bucket_interval", :B27 AS "bucket_count", ROUND((:B22 - :B20 ) *3600*24) + 1 AS "bucket_duration", :B40 AS "cpu_cores", :B34 AS "total_cpu_cores", :B39 AS "hyperthread"), AH.GLOB_ACTIVITY_HISTO) WHEN :B41 IS NOT NULL THEN XMLELEMENT( "activity_detail", XMLATTRIBUTES( DECODE( :B41 , -1, 'all', TO_CHAR( :B41 )) AS "ash_missing_seconds")) ELSE NULL END FROM (SELECT MIN(AD2.ACTIVITY_START) ACTIVITY_START, MAX(AD2.ACTIVITY_END) ACTIVITY_END, SUM(AD2.ACTIVITY_COUNT) ACTIVITY_COUNT, XMLAGG( XMLELEMENT( "bucket", XMLATTRIBUTES( AD2.BUCKET_NUM AS "number"), ACTIVITY_BUCKET_XML) ORDER BY AD2.BUCKET_NUM) GLOB_ACTIVITY_HISTO FROM (SELECT AD1.BUCKET_NUM, MIN(AD1.ACTIVITY_START) ACTIVITY_START, MAX(AD1.ACTIVITY_END) ACTIVITY_END, SUM(AD1.A
CTIVITY_COUNT) ACTIVITY_COUNT, MAX(AD1.BUCKET_IDLE_SECONDS) BUCKET_IDLE_SECONDS, XMLAGG( XMLCONCAT( CASE WHEN AD1.DFO_PAIR_IDLE_RESP_TIME != 0 AND DFO_PAIR_ROWNUM = 1 THEN XMLELEMENT( "activity", XMLATTRIBUTES( 'Parallel Skew' AS "class", AD1.PX_STEP_ARG AS "line", AD1.PX_ID AS "px", ROUND(AD1.DFO_PAIR_IDLE_RESP_TIME, 2) AS "rt"), 0) ELSE NULL END, XMLELEMENT( "activity", XMLATTRIBUTES( NVL(AD1.OTHER_SQL, AD1.RPI) AS "sql", AD1.NON_SQL AS "non_sql", AD1.CLASS AS "class", AD1.OTHER_SQL_CLASS AS "other_sql_class", AD1.EVENT AS "event", AD1.PLAN_LINE_ID AS "line", NVL2(AD1.PLSQL_OBJECT_ID, AD1.PLSQL_OBJECT_ID||'.'||
AD1.PLSQL_SUBPROGRAM_ID, NULL) AS "plsql_id", AD1.PLSQL_NAME AS "plsql_name", CASE WHEN AD1.SQL_ROWNUM = 1 THEN AD1.TOP_LEVEL_SQL_ID END AS "top_sql_id", CASE WHEN AD1.DBOP_NAME IS NOT NULL THEN AD1.DBOP_NAM
E END AS "dbop_name", CASE WHEN AD1.DFO_MOST_ACTIVE_IID IS NOT NULL AND :B68 = 'Y' THEN AD1.DFO_MOST_ACTIVE_IID END AS "skew_iid", DECODE(AD1.DFO_MOST_ACTIVE_COUNT, NULL, NULL, AD1.DFO_MOST_ACTIVE_SID) AS "skew_sid", AD1.DFO_MOST_ACTIVE_COUNT AS "skew_count", DECODE(AD1.PX_DOP, :B28 , NULL, AD1.PX_DOP) AS "dop", DECODE(AD1.PX_DOP, AD1.PX_MIN_DOP, NULL, AD1.PX_MIN_DOP) AS "min_dop", AD1.PX_ID AS "px", AD1.PX_STEP_ID AS "step", AD1.PX_STEP_ARG AS "arg", DECODE(AD1.ACTIVITY_COUNT, AD1.RESP_TIME, NULL, ROUND(AD1.RESP_TIME, 2)) AS "rt"), AD1.ACTIVITY_COUNT)) ORDER BY AD1.PX_STEP_ID, AD1.PX_STEP_ARG, AD1.DFO_PAIR_ROWNUM) ACTIVITY_BUCKET_XML FROM (SELECT AD01.*, CASE WHEN AD01.ACTIVITY_TYPE != 'Other SQL Execution' AND AD01.ACTIVITY_TYPE != 'Non SQL' THEN AD01.ACTIVITY_TYPE END CLASS, CASE WHEN (AD01.ACTIVITY_TYPE = 'Other SQL Execution' OR AD01.ACTIVITY_TYPE = 'Non SQ
L') THEN AD01.OTHER_SQL_ACTIVITY_TYPE END OTHER_SQL_CLASS, CASE WHEN AD01.ACTIVITY_TYPE != 'Other SQL Execution' AND AD01.ACTIVITY_TYPE != 'Non SQL' THEN AD01.EVENT_NAME END EVENT, CASE WHEN AD01.SQL IN ('this', 'anonymous') THEN NULL ELSE AD01.SQL END RPI, DECODE(AD01.ACTIVITY_TYPE, 'Other SQL Execution', SUBSTR(AD01.EVENT_NAME, 9), NULL) OTHER_SQL, DECODE(AD01.ACTIVITY_TYPE, 'Non SQL', AD01.EVENT_NAME, NULL) NON_SQL, ROW_NUMBER() OVER(PARTITION BY AD01.BUCKET_NUM, AD01.PX_DFO_PAIR_ID ORDER BY AD01.ACTIVITY_TYPE, AD01.EVENT_NAME, AD01.PLAN_LINE_ID) DFO_PAIR_ROWNUM FROM RESPONSE_TIME_DATA AD01) AD1 GROUP BY AD1.BUCKET_NUM) AD2) AH) ELSE NULL END, CASE WHEN :B23 = 'Y' THEN (SELECT XMLELEMENT( "parallel_info", XMLATTRIBUTES( :B17 AS "qc_instance_id", MAX_PX_QCSID AS "qc_session_id", MAX_PX_IS_CROSS_INSTANCE AS "is_cross_instance", MAX_PX_DOP AS "dop", MAX_PX_DOP_INSTANCES AS "max_dop_instances", DIST_INST_
COUNT AS "inst_count", DIST_PX_GROUP_COUNT AS "server_group_count", DIST_PX_SET_COUNT AS "server_set_count"), CASE WHEN :B70 = 1 THEN PX_SESSIONS ELSE NULL END, CASE WHEN :B68 = 'Y' THEN DECODE(:B69 , 1, PX_INSTANCES, NULL) ELSE NULL END) FROM (SELECT MAX_PX_QCSID, MAX_PX_DOP, MAX_PX_DOP_INSTANCES, MAX_PX_IS_CROSS_INSTANCE, SUM_SERVERS_REQUESTED, SUM_SERVERS_ALLOCATED, DIST_INST_COUNT, DIST_PX_GROUP_COUNT, DIST_PX_SET_COUNT, (SELECT XMLELEMENT( "sessions", XMLATTRIBUTES(MAX(PX_SESSION.ACTIVITY_COUNT) AS "max_activity_count", MAX(PX_SESSION.IMQ_COUNT) AS "max_imq_count", MAX(PX_SESSION.CPU_COUNT) AS "max_cpu_count", MAX(PX_SESSION.WAIT_COUNT) AS "max_wait_count", MAX(PX_SESSION.OTHER_SQL_COUNT) AS "max_other_sql_count", MAX(PX_SESSION.MAX_IO_REQS) AS "max_io_reqs", MAX(PX_SESSION.MAX_IO_BYTES) AS "max_io_bytes", MAX(PX_SESSION.MAX_BUFFER_GETS) AS "ma
x_buffer_gets", MAX(PX_SESSION.MAX_ELAPSED_TIME) AS "max_elapsed_time"), XMLAGG(PX_SESSION.PX_SESSION_XML ORDER BY PX_SERVER_GROUP NULLS FIRST, PX_SERVER_SET, PX_SERVER#)) FROM (SELECT PX_SERVER_GROUP, PX_SERVER_SET, PX_SERVER#, MAX(PI.MAX_ELAPSED_TIME) MAX_ELAPSED_TIME, MAX(PI.MAX_IO_REQS) MAX_IO_REQS, MAX(PI.MAX_IO_BYTES) MAX_IO_BYTES, MAX(PI.MAX_BUFFER_GETS) MAX_BUFFER_GETS, SUM(PI.ACTIVITY_COUNT) ACTIVITY_COUNT, SUM(PI.IMQ_COUNT) IMQ_COUNT, SUM(PI.WAIT_COUNT) WAIT_COUNT, SUM(PI.CPU_COUNT) CPU_COUNT, SUM(PI.OTHER_SQL_COUNT) OTHER_SQL_COUNT, XMLELEMENT( "session", XMLATTRIBUTES( INST_ID AS "inst_id", PROCESS_NAME AS "process_name", SID AS "session_id", SESSION_SERIAL# AS "session_serial", PX_SERVER_GROUP AS "server_group", PX_SERVER_SET AS "server_set", PX_SERVER# AS "server_num"), XMLELEMENT( "stats", XMLATTRIBUTES( 'monitor' AS "type"), NVL2(M
AX(ELAPSED_TIME), XMLELEMENT( "stat", XMLATTRIBUTES('elapsed_time' AS "name"), MAX(ELAPSED_TIME)), NULL), NVL2(MAX(QUEUING_TIME), XMLELEMENT( "stat", XMLATTRIBUTES('queuing_time' AS "name"), MAX(QUEUING_TIME)), NULL), NVL2(MAX(CPU_TIME), XMLELEMENT( "stat", XMLATTRIBUTES('cpu_time' AS "name"), MAX(CPU_TIME)), NULL), NVL2(MAX(USER_IO_WAIT_TIME), XMLELEMENT( "stat", XMLATTRIBUTES('user_io_wait_time' AS "name"), MAX(USER_IO_WAIT_TIME)), NULL), NVL2(MAX(APPLICATION_WAIT_TIME), XMLELEMENT( "stat", XMLATTRIBUTES('application_wait_time' AS "name"), MAX(APPLICATION_WAIT_TIME)), NULL), NVL2(MAX(CONCURRENCY_WAIT_TIME), XMLELEMENT( "stat", XMLATTRIBUTES('concurrency_wait_time' AS "name"), MAX(CONCURRENCY_WAIT_TIME)), NULL), NVL2(MAX(CLUSTER_WAIT_TIME), XMLELEMENT( "stat", XMLATTRIBUTES('cluster_wait_time' AS "name"), MAX(CLUST
ER_WAIT_TIME)), NULL), NVL2(MAX(PLSQL_EXEC_TIME), XMLELEMENT( "stat", XMLATTRIBUTES('plsql_exec_time' AS "name"), MAX(PLSQL_EXEC_TIME)), NULL), NVL2(MAX(JAVA_EXEC_TIME), XMLELEMENT( "stat", XMLATTRIBUTES('java_exec_time' AS "name"), MAX(JAVA_EXEC_TIME)), NULL), NVL2(MAX(OTHER_WAIT_TIME), XMLELEMENT( "stat", XMLATTRIBUTES( 'other_wait_time' AS "name"), MAX(OTHER_WAIT_TIME)), NULL), NVL2(MAX(FETCHES), XMLELEMENT( "stat", XMLATTRIBUTES('user_fetch_count' AS "name"), MAX(FETCHES)), NULL), NVL2(MAX(BUFFER_GETS), XMLELEMENT( "stat", XMLATTRIBUTES('buffer_gets' AS "name"), MAX(BUFFER_GETS)), NULL), NVL2(MAX(READ_REQS), XMLELEMENT( "stat", XMLATTRIBUTES('disk_reads' AS "name"), MAX(READ_REQS)), NULL), NVL2(MAX(WRITE_REQS), XMLELEMENT( "stat", XMLATTRIBUTES('direct_writes' AS "name"), MAX(WRITE_REQS)), NULL), NVL2(MAX(RE
AD_REQS), XMLELEMENT( "stat", XMLATTRIBUTES('read_reqs' AS "name"), MAX(READ_REQS)), NULL), NVL2(MAX(READ_BYTES), XMLELEMENT( "stat", XMLATTRIBUTES('read_bytes' AS "name"), MAX(READ_BYTES)), NULL), NVL2(MAX(WRITE_REQS), XMLELEMENT( "stat", XMLATTRIBUTES('write_reqs' AS "name"), MAX(WRITE_REQS)), NULL), NVL2(MAX(WRITE_BYTES), XMLELEMENT( "stat", XMLATTRIBUTES('write_bytes' AS "name"), MAX(WRITE_BYTES)), NULL), NVL2(MAX(IO_UNC_BYTES), XMLELEMENT( "stat", XMLATTRIBUTES('unc_bytes' AS "name"), MAX(IO_UNC_BYTES)), NULL), NVL2(MAX(IO_ELIG_BYTES), XMLELEMENT( "stat", XMLATTRIBUTES('elig_bytes' AS "name"), MAX(IO_ELIG_BYTES)), NULL), NVL2(MAX(IO_RET_BYTES), XMLELEMENT( "stat", XMLATTRIBUTES('ret_bytes' AS "name"), MAX(IO_RET_BYTES)), NULL), CASE WHEN MAX(IO_INTER_BYTES) IS NULL OR NVL(MAX(IO_BYTES), 0) = 0 OR MAX(IO_INTE

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R_BYTES) = MAX(IO_BYTES) OR NVL(MAX(IO_ELIG_BYTES), 0) = 0 THEN NULL ELSE XMLELEMENT( "stat", XMLATTRIBUTES('cell_offload_efficiency' AS
"name"), ROUND(MAX(IO_BYTES) / DECODE(MAX(IO_INTER_BYTES), 0, 1, MAX(IO_INTER_BYTES)), 2)) END, CASE WHEN
NVL(MAX(IO_ELIG_BYTES), 0) = 0 OR NVL(MAX(IO_BYTES), 0) = 0 OR MAX(IO_UNC_BYTES) = MAX(IO_RET_BYTES) THEN NULL ELSE XMLELEMENT(
"stat", XMLATTRIBUTES('cell_offload_efficiency2' AS "name"), GREATEST(0, ROUND(100* (GREATEST( NVL(MAX(IO_UNC_BYTES), 0),
NVL(MAX(IO_ELIG_BYTES), 0)) - MAX(IO_RET_BYTES)) / MAX(IO_ELIG_BYTES), 2))) END), CASE WHEN SUM(PI.ACTIVITY_COUNT) > 0 AND :B33 = 1
THEN XMLELEMENT( "activity_sampled", XMLATTRIBUTES( TO_CHAR(MIN(PI.ACTIVITY_START), :B12 ) AS "first_sample_time",
TO_CHAR(MAX(PI.ACTIVITY_END), :B12 ) AS "last_sample_time", ROUND((MAX(PI.ACTIVITY_END) - MIN(PI.ACTIVITY_START)) * 3600 * 24) + 1 AS
"duration", SUM(PI.AC
TIVITY_COUNT) AS "count", SUM(PI.IMQ_COUNT) AS "imq_count", SUM(PI.CPU_COUNT) AS "cpu_count", SUM(PI.WAIT_COUNT) AS "wait_count",
SUM(PI.OTHER_SQL_COUNT)AS "other_sql_count", :B40 AS "cpu_cores", :B39 AS "hyperthread"), XMLAGG( NVL2(ACTIVITY_TYPE, XMLELEMENT(
"activity", XMLATTRIBUTES( PI.ACTIVITY_TYPE AS "class", PI.EVENT_NAME AS "event"), ACTIVITY_COUNT), NULL) ORDER BY PI.ACTIVITY_TYPE,
PI.EVENT_NAME)) ELSE NULL END, CASE WHEN :B60 = 1 AND PI.HAS_OTHER_XML = 'Y' THEN (SELECT XMLTYPE(OTHER_XML) FROM
GV$ALL_SQL_MONITOR MON WHERE MON.INST_ID = PI.INST_ID AND MON.KEY = PI.KEY AND MON.SID = PI.SID AND MON.SQL_ID = :B9 AND
MON.SQL_EXEC_START = :B8 AND MON.SQL_EXEC_ID = :B7 AND ROWNUM = 1) ELSE NULL END) PX_SESSION_XML FROM (SELECT
MO.HAS_OTHER_XML, MO.KEY, MO.INST_ID, DECODE(MO.PROCESS_NAME, 'ora', 'PX Coordinator', MO.PROCESS_NAME) PROCESS_NAME,
MO.SID, MO.SESSION_SER
IAL#, MO.PX_SERVER_GROUP, MO.PX_SERVER_SET, MO.PX_SERVER#, ASH0.ACTIVITY_TYPE, ASH0.EVENT_NAME, MAX(MO.IO_REQS)
MAX_IO_REQS, MAX(MO.IO_BYTES) MAX_IO_BYTES, MAX(MO.BUFFER_GETS) MAX_BUFFER_GETS, MAX(MO.ELAPSED_TIME)
MAX_ELAPSED_TIME, SUM(DECODE(ASH0.ACTIVITY_TYPE, NULL, NULL, ASH0.ACTIVITY_COUNT)) ACTIVITY_COUNT,
SUM(DECODE(ASH0.ACTIVITY_TYPE, NULL, NULL, ASH0.IMQ_COUNT)) IMQ_COUNT, SUM(DECODE(ASH0.ACTIVITY_TYPE, NULL, NULL,
ASH0.WAIT_COUNT)) WAIT_COUNT, SUM(DECODE(ASH0.ACTIVITY_TYPE, NULL, NULL, ASH0.CPU_COUNT)) CPU_COUNT,
SUM(DECODE(ASH0.ACTIVITY_TYPE, NULL, NULL, ASH0.OTHER_SQL_COUNT)) OTHER_SQL_COUNT, MIN(ASH0.ACTIVITY_START)
ACTIVITY_START, MAX(ASH0.ACTIVITY_END) ACTIVITY_END, MAX(DECODE(MO.ELAPSED_TIME, 0, NULL, MO.ELAPSED_TIME)) ELAPSED_TIME,
MAX(DECODE(MO.QUEUING_TIME, 0, NULL, MO.QUEUING_TIME)) QUEUING_TIME, MAX(DECODE(MO.CPU_TIME, 0, NULL, CPU_TIME)) CPU_TIME,
MAX(DECODE(MO.FETCHES, 0, NULL, FETCHES)) FETCHES, MAX(DECODE(MO.BUFFER
_GETS, 0, NULL, MO.BUFFER_GETS)) BUFFER_GETS, MAX(DECODE(MO.IO_INTER_BYTES, 0, NULL, MO.IO_INTER_BYTES)) IO_INTER_BYTES,
MAX(DECODE(MO.READ_REQS, 0, NULL, MO.READ_REQS)) READ_REQS, MAX(DECODE(MO.READ_BYTES, 0, NULL, MO.READ_BYTES))
READ_BYTES, MAX(DECODE(MO.WRITE_REQS, 0, NULL, MO.WRITE_REQS)) WRITE_REQS, MAX(DECODE(MO.WRITE_BYTES, 0, NULL,
MO.WRITE_BYTES)) WRITE_BYTES, MAX(DECODE(MO.IO_BYTES, 0, NULL, MO.IO_BYTES)) IO_BYTES, MAX(DECODE(MO.IO_UNC_BYTES, 0, NULL,
MO.IO_UNC_BYTES)) IO_UNC_BYTES, MAX(DECODE(MO.IO_ELIG_BYTES, 0, NULL, MO.IO_ELIG_BYTES)) IO_ELIG_BYTES,
MAX(DECODE(MO.IO_RET_BYTES, 0, NULL, MO.IO_RET_BYTES)) IO_RET_BYTES, MAX(DECODE(MO.APPLICATION_WAIT_TIME, 0, NULL,
MO.APPLICATION_WAIT_TIME)) APPLICATION_WAIT_TIME, MAX(DECODE(MO.CONCURRENCY_WAIT_TIME, 0, NULL,
MO.CONCURRENCY_WAIT_TIME)) CONCURRENCY_WAIT_TIME, MAX(DECODE(MO.CLUSTER_WAIT_TIME, 0, NULL, MO.CLUSTER_WAIT_TIME))
CLUSTER_WAIT_TIME, MAX(DECODE(MO.USER_IO_WAIT_TIME,
0, NULL, MO.USER_IO_WAIT_TIME)) USER_IO_WAIT_TIME, MAX(DECODE(PLSQL_EXEC_TIME, 0, NULL, PLSQL_EXEC_TIME)) PLSQL_EXEC_TIME,
MAX(DECODE(MO.JAVA_EXEC_TIME, 0, NULL, MO.JAVA_EXEC_TIME)) JAVA_EXEC_TIME, MAX(DECODE(MO.OTHER_WAIT_TIME, 0, NULL,
MO.OTHER_WAIT_TIME)) OTHER_WAIT_TIME FROM MONITOR_DATA MO, (SELECT ASH1.INST_ID, ASH1.SESSION_ID, ASH1.ACTIVITY_TYPE,
ASH1.EVENT_NAME, SUM(ASH1.ACTIVITY_COUNT) ACTIVITY_COUNT, SUM(ASH1.IMQ_COUNT) IMQ_COUNT, SUM(ASH1.WAIT_COUNT)
WAIT_COUNT, SUM(ASH1.CPU_COUNT) CPU_COUNT, SUM(ASH1.OTHER_SQL_COUNT)OTHER_SQL_COUNT, MIN(ASH1.ACTIVITY_START)
ACTIVITY_START, MAX(ASH1.ACTIVITY_END) ACTIVITY_END FROM ASH_DATA ASH1 GROUP BY ASH1.INST_ID, ASH1.SESSION_ID,
ASH1.ACTIVITY_TYPE, ASH1.EVENT_NAME) ASH0 WHERE MO.INST_ID = ASH0.INST_ID(+) AND MO.SID = ASH0.SESSION_ID(+) AND (:B70 = 1 OR :B69
= 1) GROUP BY MO.INST_ID, MO.KEY, MO.HAS_OTHER_XML, MO.PROCESS_NAME, MO.SID, MO.SESSION_SERIAL#, MO.PX_SERVER_GROUP,
MO.PX_SERVER_SET, MO.PX_SER
VER#, ASH0.ACTIVITY_TYPE, ASH0.EVENT_NAME) PI WHERE (:B70 = 1) GROUP BY PI.INST_ID, PI.KEY, PI.HAS_OTHER_XML, PI.SID,
PI.PROCESS_NAME, PI.SESSION_SERIAL#, PI.PX_SERVER_GROUP, PI.PX_SERVER_SET, PI.PX_SERVER#) PX_SESSION) PX_SESSIONS, (SELECT
XMLELEMENT( "instances", XMLATTRIBUTES( MAX(PX_INSTANCE.ACTIVITY_COUNT) AS "max_activity_count", MAX(PX_INSTANCE.IMQ_COUNT) AS
"max_imq_count", MAX(PX_INSTANCE.CPU_COUNT) AS "max_cpu_count", MAX(PX_INSTANCE.WAIT_COUNT) AS "max_wait_count",
MAX(PX_INSTANCE.OTHER_SQL_COUNT) AS "max_other_sql_count", MAX(PX_INSTANCE.ELAPSED_TIME) AS "max_elapsed_time",
MAX(PX_INSTANCE.BUFFER_GETS) AS "max_buffer_gets", MAX(PX_INSTANCE.IO_REQS) AS "max_io_reqs", MAX(PX_INSTANCE.IO_BYTES) AS
"max_io_bytes"), XMLAGG(PX_INSTANCE.PX_INSTANCES_XML ORDER BY INST_ID)) FROM (SELECT PI.INST_ID, MAX(PI.ELAPSED_TIME)
ELAPSED_TIME, MAX(PI.IO_REQS) IO_REQS, MAX
(PI.IO_BYTES) IO_BYTES, MAX(PI.BUFFER_GETS) BUFFER_GETS, SUM(PI.ACTIVITY_COUNT) ACTIVITY_COUNT, SUM(PI.IMQ_COUNT) IMQ_COUNT,
SUM(PI.WAIT_COUNT) WAIT_COUNT, SUM(PI.CPU_COUNT) CPU_COUNT, SUM(PI.OTHER_SQL_COUNT) OTHER_SQL_COUNT, XMLELEMENT(
"instance", XMLATTRIBUTES( INST_ID AS "inst_id"), XMLELEMENT( "stats", XMLATTRIBUTES( 'monitor' AS "type"), NVL2(MAX(ELAPSED_TIME),
XMLELEMENT( "stat", XMLATTRIBUTES('elapsed_time' AS "name"), MAX(ELAPSED_TIME)), NULL), NVL2(MAX(QUEUING_TIME), XMLELEMENT( "stat",
XMLATTRIBUTES('queuing_time' AS "name"), MAX(QUEUING_TIME)), NULL), NVL2(MAX(CPU_TIME), XMLELEMENT( "stat", XMLATTRIBUTES('cpu_time'
AS "name"), MAX(CPU_TIME)), NULL), NVL2(MAX(USER_IO_WAIT_TIME), XMLELEMENT( "stat", XMLATTRIBUTES('user_io_wait_time' AS "name"),
MAX(USER_IO_WAIT_TIME)), NULL), NVL2(MAX(APPLICATION_WAIT_TIME), XMLELEMENT( "
stat", XMLATTRIBUTES('application_wait_time' AS "name"), MAX(APPLICATION_WAIT_TIME)), NULL), NVL2(MAX(CONCURRENCY_WAIT_TIME),
XMLELEMENT( "stat", XMLATTRIBUTES('concurrency_wait_time' AS "name"), MAX(CONCURRENCY_WAIT_TIME)), NULL),
NVL2(MAX(CLUSTER_WAIT_TIME), XMLELEMENT( "stat", XMLATTRIBUTES('cluster_wait_time' AS "name"), MAX(CLUSTER_WAIT_TIME)), NULL),
NVL2(MAX(PLSQL_EXEC_TIME), XMLELEMENT( "stat", XMLATTRIBUTES('plsql_exec_time' AS "name"), MAX(PLSQL_EXEC_TIME)), NULL),
NVL2(MAX(JAVA_EXEC_TIME), XMLELEMENT( "stat", XMLATTRIBUTES('java_exec_time' AS "name"), MAX(JAVA_EXEC_TIME)), NULL),
NVL2(MAX(OTHER_WAIT_TIME), XMLELEMENT( "stat", XMLATTRIBUTES( 'other_wait_time' AS "name"), MAX(OTHER_WAIT_TIME)), NULL),
NVL2(MAX(FETCHES), XMLELEMENT( "stat", XMLATTRIBUTES('user_fetch_count' AS "name"), MAX(FETCHES)), NULL), NVL2(
MAX(BUFFER_GETS), XMLELEMENT( "stat", XMLATTRIBUTES('buffer_gets' AS "name"), MAX(BUFFER_GETS)), NULL), NVL2(MAX(READ_REQS),
XMLELEMENT( "stat", XMLATTRIBUTES('disk_reads' AS "name"), MAX(READ_REQS)), NULL), NVL2(MAX(WRITE_REQS), XMLELEMENT( "stat",
XMLATTRIBUTES('direct_writes' AS "name"), MAX(WRITE_REQS)), NULL), NVL2(MAX(READ_REQS), XMLELEMENT( "stat", XMLATTRIBUTES('read_reqs'
AS "name"), MAX(READ_REQS)), NULL), NVL2(MAX(READ_BYTES), XMLELEMENT( "stat", XMLATTRIBUTES('read_bytes' AS "name"),
MAX(READ_BYTES)), NULL), NVL2(MAX(WRITE_REQS), XMLELEMENT( "stat", XMLATTRIBUTES('write_reqs' AS "name"), MAX(WRITE_REQS)), NULL),
NVL2(MAX(WRITE_BYTES), XMLELEMENT( "stat", XMLATTRIBUTES('write_bytes' AS "name"), MAX(WRITE_BYTES)), NULL),
NVL2(MAX(IO_UNC_BYTES), XMLELEMENT( "stat", XMLATTRIBUTES('unc_bytes' AS
"name"), MAX(IO_UNC_BYTES)), NULL), NVL2(MAX(IO_ELIG_BYTES), XMLELEMENT( "stat", XMLATTRIBUTES('elig_bytes' AS "name"),
MAX(IO_ELIG_BYTES)), NULL), NVL2(MAX(IO_RET_BYTES), XMLELEMENT( "stat", XMLATTRIBUTES('ret_bytes' AS "name"), MAX(IO_RET_BYTES)),
NULL), CASE WHEN MAX(IO_INTER_BYTES) IS NULL OR NVL(MAX(IO_BYTES), 0) = 0 OR MAX(IO_INTER_BYTES) = MAX(IO_BYTES) OR
NVL(MAX(IO_ELIG_BYTES), 0) = 0 THEN NULL ELSE XMLELEMENT( "stat", XMLATTRIBUTES('cell_offload_efficiency' AS "name"),
ROUND(MAX(IO_BYTES)/ DECODE(MAX(IO_INTER_BYTES), 0, 1, MAX(IO_INTER_BYTES)), 2)) END, CASE WHEN NVL(MAX(IO_ELIG_BYTES), 0) = 0
OR NVL(MAX(IO_BYTES), 0) = 0 OR MAX(IO_UNC_BYTES) = MAX(IO_RET_BYTES) THEN NULL ELSE XMLELEMENT( "stat",
XMLATTRIBUTES('cell_offload_efficiency2' AS "name"), GREATEST(0, ROUND(100* (GREATEST( NVL(MAX(IO_UNC_BYTES), 0),
NVL(MAX(IO_ELIG_BYTES), 0)) - MAX(IO_RET_BYTES))
/ MAX(IO_ELIG_BYTES), 2))) END), CASE WHEN :B33 = 1 AND SUM(PI.ACTIVITY_COUNT) > 0 THEN XMLELEMENT( "activity_sampled", XMLATTRIBUTES(
TO_CHAR(MIN(PI.ACTIVITY_START), :B12 ) AS "start_time", TO_CHAR(MAX(PI.ACTIVITY_END), :B12 ) AS "end_time", ROUND((MAX(PI.ACTIVITY_END) -
MIN(PI.ACTIVITY_START)) * 3600 * 24) + 1 AS "duration", SUM(PI.ACTIVITY_COUNT) AS "count", SUM(PI.IMQ_COUNT) AS "imq_count",
SUM(PI.WAIT_COUNT) AS "wait_count", SUM(PI.CPU_COUNT) AS "cpu_count", SUM(PI.OTHER_SQL_COUNT) AS "other_sql_count", :B40 AS "cpu_cores",
:B39 AS "hyperthread"), XMLAGG( NVL2(ACTIVITY_TYPE, XMLELEMENT( "activity", XMLATTRIBUTES( PI.ACTIVITY_TYPE AS "class", PI.EVENT_NAME AS
"event"), ACTIVITY_COUNT), NULL) ORDER BY PI.ACTIVITY_TYPE, PI.EVENT_NAME)) ELSE NULL END) PX_INSTANCES_XML FROM (SELECT
MO.INST_ID, ASH.ACTIVITY_TYPE, ASH.EVENT_
NAME, ASH.ACTIVITY_COUNT, ASH.IMQ_COUNT, ASH.WAIT_COUNT, ASH.CPU_COUNT, ASH.OTHER_SQL_COUNT, ASH.ACTIVITY_START,
ASH.ACTIVITY_END, MO.ELAPSED_TIME, MO.QUEUING_TIME, MO.CPU_TIME, MO.APPLICATION_WAIT_TIME, MO.CONCURRENCY_WAIT_TIME,
MO.CLUSTER_WAIT_TIME, MO.USER_IO_WAIT_TIME, MO.PLSQL_EXEC_TIME, MO.JAVA_EXEC_TIME, MO.OTHER_WAIT_TIME, MO.FETCHES,
MO.BUFFER_GETS, MO.IO_INTER_BYTES, MO.IO_BYTES, MO.READ_REQS, MO.READ_BYTES, MO.WRITE_REQS, MO.WRITE_BYTES,
MO.IO_REQS, MO.IO_UNC_BYTES, MO.IO_ELIG_BYTES, MO.IO_RET_BYTES FROM (SELECT MO0.INST_ID, SUM(MO0.ELAPSED_TIME)
ELAPSED_TIME, SUM(MO0.QUEUING_TIME) QUEUING_TIME, SUM(MO0.CPU_TIME) CPU_TIME, SUM(MO0.FETCHES) FETCHES,
SUM(MO0.BUFFER_GETS) BUFFER_GETS, SUM(MO0.IO_INTER_BYTES) IO_INTER_BYTES, SUM(MO0.IO_BYTES) IO_BYTES, SUM(MO0.READ_REQS)
READ_REQS, SUM(MO0.READ_BYTES) READ_BYTES, SUM(MO0.WRITE_REQS) WRITE_REQS, SUM(MO0.WRITE_BYTES) WRITE_BYTES,
SUM(MO0.IO_REQS) IO_REQS, SUM(MO0.IO_UNC_BYTES) IO_UNC_BYTES
, SUM(MO0.IO_ELIG_BYTES) IO_ELIG_BYTES, SUM(MO0.IO_RET_BYTES) IO_RET_BYTES, SUM(MO0.APPLICATION_WAIT_TIME)
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APPLICATION_WAIT_TIME, SUM(MO0.CONCURRENCY_WAIT_TIME) CONCURRENCY_WAIT_TIME, SUM(MO0.CLUSTER_WAIT_TIME)
CLUSTER_WAIT_TIME, SUM(MO0.USER_IO_WAIT_TIME) USER_IO_WAIT_TIME, SUM(MO0.PLSQL_EXEC_TIME) PLSQL_EXEC_TIME,
SUM(MO0.JAVA_EXEC_TIME) JAVA_EXEC_TIME, SUM(MO0.OTHER_WAIT_TIME) OTHER_WAIT_TIME FROM MONITOR_DATA MO0 GROUP BY
MO0.INST_ID) MO, (SELECT ASH0.INST_ID, ASH0.ACTIVITY_TYPE, ASH0.EVENT_NAME, SUM(ASH0.ACTIVITY_COUNT) ACTIVITY_COUNT,
SUM(ASH0.IMQ_COUNT) IMQ_COUNT, SUM(ASH0.WAIT_COUNT) WAIT_COUNT, SUM(ASH0.CPU_COUNT) CPU_COUNT,
SUM(ASH0.OTHER_SQL_COUNT) OTHER_SQL_COUNT, MIN(ASH0.ACTIVITY_START) ACTIVITY_START, MAX(ASH0.ACTIVITY_END) ACTIVITY_END
FROM ASH_DATA ASH0 GROUP BY ASH0.INST_ID, ASH0.ACTIVITY_TYPE, ASH0.EVENT_NAME) ASH, MONITOR_AGG WHERE MO.INST_ID =
ASH.INST_ID(+) AND MONITOR_AGG.DIST_INST_COUNT > 0 ) PI GROUP BY PI.INST_ID)PX_INSTANCE) PX_INSTAN
CES FROM MONITOR_AGG)) ELSE NULL END, XPLAN_XML, CASE WHEN :B43 = 1 THEN (SELECT XMLELEMENT( "plan_monitor",
XMLATTRIBUTES(MAX(PLI.MAX_LINE_ACTIVITY_COUNT) AS "max_activity_count", MAX(PLI.OVERALL_MAX_IO_REQS) AS "max_io_reqs",
MAX(PLI.OVERALL_MAX_IO_BYTES) AS "max_io_bytes", MAX(PLI.MAX_LINE_IMQ_COUNT) AS "max_imq_count", MAX(PLI.MAX_LINE_CPU_COUNT) AS
"max_cpu_count", MAX(PLI.MAX_LINE_WAIT_COUNT) AS "max_wait_count", MAX(PLI.MAX_LINE_OTHER_SQL_COUNT) AS "max_other_sql_count"),
XMLAGG( XMLELEMENT( "operation", XMLATTRIBUTES( PLI.PLAN_LINE_ID AS "id", PLI.PARENT_ID AS "parent_id", PLI.OPERATION AS "name",
PLI.OPTIONS AS "options", PLI.DEPTH AS "depth", PLI.POSITION AS "position", PLI.INACTIVE AS "skp", PLI.PX_TYPE AS "px_type"),
NVL2(PLI.OBJECT_NAME, XMLELEMENT( "object", XMLATTRIBUTES(PL
I.OBJECT_TYPE AS "type"), XMLFOREST(PLI.OBJECT_OWNER AS "owner"), XMLFOREST(PLI.OBJECT_NAME AS "name")), NULL),
XMLFOREST(PLI.PARTITION_START AS "partition_start", PLI.PARTITION_STOP AS "partition_stop"), CASE WHEN PLI.CARDINALITY IS NULL AND
PLI.BYTES IS NULL AND PLI.COST IS NULL AND PLI.TEMP_SPACE IS NULL AND PLI.TIME IS NULL THEN NULL ELSE XMLELEMENT( "optimizer", NULL,
NVL2(PLI.CARDINALITY, XMLFOREST(PLI.CARDINALITY AS "cardinality"), NULL), NVL2(PLI.BYTES, XMLFOREST(PLI.BYTES AS "bytes"), NULL),
NVL2(PLI.COST, XMLFOREST(PLI.COST AS "cost"), NULL), NVL2(PLI.CPU_COST, XMLFOREST(PLI.CPU_COST AS "cpu_cost"), NULL),
NVL2(PLI.IO_COST, XMLFOREST(PLI.IO_COST AS "io_cost"), NULL), NVL2(PLI.TEMP_SPACE, XMLFOREST(PLI.TEMP_SPACE AS "temp"), NULL),
NVL2(PLI.TIME, XMLFOREST(PLI.TIME AS "time"), NULL)) END, XMLELEMENT( "stats",
XMLATTRIBUTES('plan_monitor' AS "type"), NVL2(PLI.FIRST_MOVE_TIME, XMLELEMENT( "stat", XMLATTRIBUTES('first_active' AS "name"),
TO_CHAR(FIRST_MOVE_TIME, :B12 )), NULL), CASE WHEN PLI.FIRST_MOVE_TIME != PLI.FIRST_CHANGE_TIME THEN XMLELEMENT( "stat",
XMLATTRIBUTES('first_row' AS "name"), TO_CHAR(FIRST_CHANGE_TIME, :B12 )) ELSE NULL END, NVL2(PLI.LAST_MOVE_TIME, XMLELEMENT( "stat",
XMLATTRIBUTES('last_active' AS "name"), TO_CHAR(LAST_MOVE_TIME, :B12 )), NULL), CASE WHEN (PLI.FIRST_MOVE_TIME IS NULL OR
PLI.LAST_MOVE_TIME IS NULL) THEN NULL ELSE XMLELEMENT( "stat", XMLATTRIBUTES('duration' AS "name"), ROUND((LAST_MOVE_TIME -
FIRST_MOVE_TIME) * 3600 * 24)+1) END, CASE WHEN (PLI.OVERALL_LAST_MOVE_TIME IS NULL OR PLI.LAST_MOVE_TIME IS NULL) THEN NULL ELSE
XMLELEMENT( "stat", XMLATTRIBUTES('from_most_recent' AS "name"), ROUND((PLI.OVERALL_LAST_MOVE_TIME - PLI.LAST_
MOVE_TIME) * 3600 * 24)) END, NVL2(PLI.LAST_MOVE_TIME, XMLELEMENT( "stat", XMLATTRIBUTES( 'from_sql_exec_start' AS "name"), ROUND(
(FIRST_MOVE_TIME - :B8 ) * 3600*24)), NULL), NVL2(PLI.PERCENT_COMPLETE, XMLELEMENT( "stat", XMLATTRIBUTES('percent_complete' AS "name"),
PLI.PERCENT_COMPLETE), NULL), NVL2(PLI.TIME_REMAINING, XMLELEMENT( "stat", XMLATTRIBUTES('time_left' AS "name"), PLI.TIME_REMAINING),
NULL), CASE WHEN PLI.HAS_EXECUTED = 1 THEN XMLELEMENT( "stat", XMLATTRIBUTES('starts' AS "name"), PLI.STARTS) ELSE NULL END, CASE
WHEN PLI.DOP > 0 AND PLI.HAS_EXECUTED = 1 THEN XMLELEMENT( "stat", XMLATTRIBUTES( 'max_starts' AS "name", DECODE(:B68 , 'Y',
MOD(TRUNC(MAX_STARTS/1000000), 10000), NULL) AS "iid", MOD(MAX_STARTS, 1000000) AS "sid"), TRUNC(PLI.MAX_STARTS/10000000000)) ELSE
NULL END, CASE WHEN PLI.DOP > 0 AND PLI.HAS_EXECUTED = 1
THEN XMLELEMENT( "stat", XMLATTRIBUTES('dop' AS "name"), PLI.DOP) ELSE NULL END, CASE WHEN NEED_ROWS IS NOT NULL AND
PLI.FIRST_MOVE_TIME IS NOT NULL THEN XMLELEMENT( "stat", XMLATTRIBUTES('cardinality' AS "name"), PLI.OUTPUT_ROWS) ELSE NULL END,
CASE WHEN PLI.NEED_ROWS IS NOT NULL AND PLI.DOP > 0 AND PLI.MAX_OUTPUT_ROWS IS NOT NULL AND (PLI.FIRST_MOVE_TIME IS NOT NULL)
THEN XMLELEMENT( "stat", XMLATTRIBUTES( 'max_card' AS "name", DECODE(:B68 , 'Y', MOD(TRUNC(MAX_OUTPUT_ROWS/1000000), 10000), NULL)
AS "iid", MOD(MAX_OUTPUT_ROWS, 1000000) AS "sid"), TRUNC(PLI.MAX_OUTPUT_ROWS/10000000000)) ELSE NULL END, CASE WHEN PLI.MEM > 0
THEN XMLELEMENT( "stat", XMLATTRIBUTES('memory' AS "name"), PLI.MEM) ELSE NULL END, CASE WHEN PLI.MAX_MEM > 0 THEN XMLELEMENT(
"stat", XMLATTRIBUTES('max_memory' AS "name"), PLI.MAX_MEM) ELSE NULL END, CASE WHEN PLI.DO
P > 0 AND PLI.MIN_MAX_MEM IS NOT NULL AND PLI.MAX_MEM > 0 THEN XMLELEMENT( "stat", XMLATTRIBUTES( 'min_max_mem' AS "name",
DECODE(:B68 , 'Y', MOD(TRUNC(MIN_MAX_MEM/1000000), 10000), NULL) AS "iid", MOD(MIN_MAX_MEM, 1000000) AS "sid"),
TRUNC(PLI.MIN_MAX_MEM/10000000000)) ELSE NULL END, CASE WHEN PLI.TEMP > 0 THEN XMLELEMENT( "stat", XMLATTRIBUTES('temp' AS "name"),
PLI.TEMP) ELSE NULL END, CASE WHEN PLI.MAX_TEMP > 0 THEN XMLELEMENT( "stat", XMLATTRIBUTES('max_temp' AS "name"), PLI.MAX_TEMP)
ELSE NULL END, CASE WHEN PLI.MAX_TEMP > 0 THEN XMLELEMENT( "stat", XMLATTRIBUTES('spill_count' AS "name"), PLI.SPILL_COUNT) ELSE NULL
END, CASE WHEN PLI.DOP > 0 AND PLI.MAX_MAX_TEMP IS NOT NULL AND PLI.MAX_TEMP > 0 THEN XMLELEMENT( "stat", XMLATTRIBUTES(
'max_max_temp' AS "name", DECODE(:B68 , 'Y', MOD(TRUNC(MAX_MAX_TEMP/1000000), 10000),
NULL) AS "iid", MOD(MAX_MAX_TEMP, 1000000) AS "sid"), TRUNC(PLI.MAX_MAX_TEMP/10000000000)) ELSE NULL END, CASE WHEN
PLI.READ_REQS > 0 THEN XMLELEMENT( "stat", XMLATTRIBUTES('read_reqs' AS "name"), PLI.READ_REQS) ELSE NULL END, CASE WHEN PLI.DOP > 0
AND PLI.MAX_READ_REQS IS NOT NULL AND PLI.READ_REQS > 0 THEN XMLELEMENT( "stat", XMLATTRIBUTES( 'max_read_reqs' AS "name",
DECODE(:B68 , 'Y', MOD(TRUNC(PLI.MAX_READ_REQS/1000000), 10000), NULL) AS "iid", MOD(PLI.MAX_READ_REQS, 1000000) AS "sid"),
TRUNC(PLI.MAX_READ_REQS/10000000000)) ELSE NULL END, CASE WHEN PLI.READ_BYTES > 0 THEN XMLELEMENT( "stat",
XMLATTRIBUTES('read_bytes' AS "name"), PLI.READ_BYTES) ELSE NULL END, CASE WHEN PLI.DOP > 0 AND PLI.MAX_READ_BYTES IS NOT NULL AND
PLI.READ_BYTES > 0 THEN XMLELEMENT( "stat", XMLATTRIBUTES( 'max_read_bytes' AS "name", DECODE(:B68 , 'Y
', MOD(TRUNC(PLI.MAX_READ_BYTES/1000000), 10000), NULL) AS "iid", MOD(PLI.MAX_READ_BYTES, 1000000) AS "sid"),
TRUNC(PLI.MAX_READ_BYTES/10000000000)) ELSE NULL END, CASE WHEN PLI.WRITE_REQS > 0 THEN XMLELEMENT( "stat",
XMLATTRIBUTES('write_reqs' AS "name"), PLI.WRITE_REQS) ELSE NULL END, CASE WHEN PLI.DOP > 0 AND PLI.MAX_WRITE_REQS IS NOT NULL AND
PLI.WRITE_REQS > 0 THEN XMLELEMENT( "stat", XMLATTRIBUTES( 'max_write_reqs' AS "name", DECODE(:B68 , 'Y',
MOD(TRUNC(PLI.MAX_WRITE_REQS/1000000), 10000), NULL) AS "iid", MOD(PLI.MAX_WRITE_REQS, 1000000) AS "sid"),
TRUNC(PLI.MAX_WRITE_REQS/10000000000)) ELSE NULL END, CASE WHEN PLI.WRITE_BYTES > 0 THEN XMLELEMENT( "stat",
XMLATTRIBUTES('write_bytes' AS "name"), PLI.WRITE_BYTES) ELSE NULL END, CASE WHEN PLI.DOP > 0 AND PLI.MAX_WRITE_BYTES IS NOT NULL
AND PLI.WRITE_BYTES > 0 THEN XMLELEMENT( "stat",
XMLATTRIBUTES( 'max_write_bytes' AS "name", DECODE(:B68 , 'Y', MOD(TRUNC(PLI.MAX_WRITE_BYTES/1000000), 10000), NULL) AS "iid",
MOD(PLI.MAX_WRITE_BYTES, 1000000) AS "sid"), TRUNC(PLI.MAX_WRITE_BYTES/10000000000)) ELSE NULL END, CASE WHEN PLI.IO_INTER_BYTES
IS NOT NULL AND PLI.IO_BYTES > 0 AND PLI.IO_BYTES != PLI.IO_INTER_BYTES THEN XMLELEMENT( "stat", XMLATTRIBUTES('io_inter_bytes' AS
"name"), PLI.IO_INTER_BYTES) ELSE NULL END, CASE WHEN PLI.DOP > 0 AND PLI.MAX_IO_INTER_BYTES IS NOT NULL AND PLI.IO_BYTES > 0 AND
PLI.IO_BYTES != PLI.IO_INTER_BYTES THEN XMLELEMENT( "stat", XMLATTRIBUTES( 'max_io_inter_bytes' AS "name", DECODE(:B68 , 'Y',
MOD(TRUNC(MAX_IO_INTER_BYTES/1000000), 10000), NULL) AS "iid", MOD(MAX_IO_INTER_BYTES, 1000000) AS "sid"),
TRUNC(PLI.MAX_IO_INTER_BYTES/10000000000)) ELSE NULL END, CASE WHEN PLI.IO_INTER_BYTES IS NOT NULL AND PLI.IO_BYTES > 0 AND P
LI.IO_BYTES != PLI.IO_INTER_BYTES THEN XMLELEMENT( "stat", XMLATTRIBUTES('cell_offload_efficiency' AS "name"), ROUND(PLI.IO_BYTES /
DECODE(PLI.IO_INTER_BYTES, 0, 1, PLI.IO_INTER_BYTES), 2)) ELSE NULL END), NVL2(STAT_GID, XMLELEMENT( "rwsstats", XMLATTRIBUTES(
PLI.STAT_GID AS "group_id"), DECODE(GID_ROWNUM, 1, (SELECT XMLELEMENT( "metadata", NULL, XMLAGG( XMLELEMENT( "stat",
XMLATTRIBUTES( ROWNUM AS "id", NAME AS "name", DESCRIPTION AS "desc", TYPE AS "type", DECODE(FLAGS, 0, NULL, FLAGS) AS "flags"),
NULL) ORDER BY ID)) FROM V$SQL_MONITOR_STATNAME WHERE GROUP_ID = PLI.STAT_GID), NULL), NVL2(STAT1_VALUE, XMLELEMENT( "stat",
XMLATTRIBUTES(1 AS "id"), STAT1_VALUE), NULL), NVL2(STAT2_VALUE, XMLELEMENT( "stat", XMLATTRIBUTES(2 AS "id"), STAT2_VALUE), NULL),
NVL2(STAT3_VALUE, XMLELEMENT( "stat", XM
LATTRIBUTES(3 AS "id"), STAT3_VALUE), NULL), NVL2(STAT4_VALUE, XMLELEMENT( "stat", XMLATTRIBUTES(4 AS "id"), STAT4_VALUE), NULL),
NVL2(STAT5_VALUE, XMLELEMENT( "stat", XMLATTRIBUTES(5 AS "id"), STAT5_VALUE), NULL), NVL2(STAT6_VALUE, XMLELEMENT( "stat",
XMLATTRIBUTES(6 AS "id"), STAT6_VALUE), NULL), NVL2(STAT7_VALUE, XMLELEMENT( "stat", XMLATTRIBUTES(7 AS "id"), STAT7_VALUE), NULL),
NVL2(STAT8_VALUE, XMLELEMENT( "stat", XMLATTRIBUTES(8 AS "id"), STAT8_VALUE), NULL), NVL2(STAT9_VALUE, XMLELEMENT( "stat",
XMLATTRIBUTES(9 AS "id"), STAT9_VALUE), NULL), NVL2(STAT10_VALUE, XMLELEMENT( "stat", XMLATTRIBUTES(10 AS "id"), STAT10_VALUE),
NULL)), NULL), CASE WHEN PLI.LINE_ACTIVITY_COUNT > 0 AND :B33 = 1 THEN XMLELEMENT( "activity_sampled", XMLATTRIBUTES(
TO_CHAR(PLI.LINE_ACTIVITY_START, :B12 ) AS
"start_time", TO_CHAR(PLI.LINE_ACTIVITY_END, :B12 ) AS "end_time", ROUND((PLI.LINE_ACTIVITY_END - PLI.LINE_ACTIVITY_START) * 3600*24) + 1
AS "duration", PLI.LINE_ACTIVITY_COUNT AS "count", PLI.LINE_IMQ_COUNT AS "imq_count", PLI.LINE_WAIT_COUNT AS "wait_count",
PLI.LINE_CPU_COUNT AS "cpu_count", PLI.LINE_OTHER_SQL_COUNT AS "other_sql_count", :B40 AS "cpu_cores", :B39 AS "hyperthread"),
PLI.ACTIVITY_TOTAL, PLI.PLAN_ACTIVITY_HISTO) ELSE NULL END) ORDER BY PLI.PLAN_LINE_ID) ) FROM (SELECT AT.MAX_LINE_ACTIVITY_COUNT,
PM.OVERALL_MAX_IO_REQS, PM.OVERALL_MAX_IO_BYTES, AT.MAX_LINE_IMQ_COUNT, AT.MAX_LINE_CPU_COUNT, AT.MAX_LINE_WAIT_COUNT,
AT.LINE_OTHER_SQL_COUNT, AT.MAX_LINE_OTHER_SQL_COUNT, PM.PLAN_LINE_ID, PM.PARENT_ID, PM.OPERATION, PM.OPTIONS, PM.DEPTH,
PM.POSITION, PM.INACTIVE, CASE WHEN PM.OPERATION = 'PX COORDINATOR' AND :B23 = 'Y' AND (PM.PX_SERVER_SET IS NOT NU
LL OR AH.PX_SERVER_SET IS NOT NULL) THEN 'QC' WHEN PM.PX_SERVER_SET IS NOT NULL THEN TO_CHAR(PM.PX_SERVER_SET) WHEN
AH.PX_SERVER_SET IS NOT NULL THEN TO_CHAR(AH.PX_SERVER_SET) WHEN (:B23 = 'N' OR (PM.LAST_CHANGE_TIME IS NULL AND
AT.LINE_ACTIVITY_END IS NULL)) THEN NULL ELSE 'QC' END PX_TYPE, PM.FIRST_CHANGE_TIME, AT.LINE_ACTIVITY_START,
PM.LAST_CHANGE_TIME, PM.OVERALL_LAST_CHANGE_TIME, AT.LINE_ACTIVITY_END, AT.OVERALL_LINE_ACTIVITY_END,
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LEAST(NVL(AT.LINE_ACTIVITY_START, PM.FIRST_CHANGE_TIME), NVL(PM.FIRST_CHANGE_TIME, AT.LINE_ACTIVITY_START)) FIRST_MOVE_TIME,
GREATEST(NVL(AT.LINE_ACTIVITY_END, PM.LAST_CHANGE_TIME), NVL(PM.LAST_CHANGE_TIME, AT.LINE_ACTIVITY_END)) LAST_MOVE_TIME,
GREATEST(NVL(AT.OVERALL_LINE_ACTIVITY_END, PM.OVERALL_LAST_CHANGE_TIME), NVL(PM.OVERALL_LAST_CHANGE_TIME,
AT.OVERALL_LINE_ACTIVITY_END)) OVERALL_LAST_MOVE_TIME, CASE WHEN PM.STARTS IS NOT NULL AND PM.STARTS > 0 THEN 1 ELSE 0 END
HAS_EXECUTED, PM.OBJECT_NAME, PM.OBJECT_TYPE, PM.OBJECT_OWN
ER, PM.PARTITION_START, PM.PARTITION_STOP, PM.CARDINALITY, PM.BYTES, PM.COST, PM.TEMP_SPACE, PM.TIME, PM.CPU_COST,
PM.IO_COST, LO.PERCENT_COMPLETE, LO.TIME_REMAINING, PM.STARTS, PM.DOP, PM.MAX_STARTS, PM.OUTPUT_ROWS, PM.NEED_ROWS,
PM.MAX_OUTPUT_ROWS, PM.MEM, PM.MAX_MEM, PM.MIN_MAX_MEM, PM.TEMP, PM.MAX_TEMP, PM.SPILL_COUNT, PM.MAX_MAX_TEMP,
PM.READ_REQS, PM.MAX_READ_REQS, PM.READ_BYTES, PM.MAX_READ_BYTES, PM.WRITE_REQS, PM.MAX_WRITE_REQS, PM.WRITE_BYTES,
PM.MAX_WRITE_BYTES, PM.IO_INTER_BYTES, PM.IO_BYTES, PM.MAX_IO_INTER_BYTES, AT.LINE_ACTIVITY_COUNT, AT.LINE_IMQ_COUNT,
AT.LINE_WAIT_COUNT, AT.LINE_CPU_COUNT, AT.ACTIVITY_TOTAL, AH.PLAN_ACTIVITY_HISTO, PM.STAT_GID, PM.GID_ROWNUM,
PM.STAT1_VALUE, PM.STAT2_VALUE, PM.STAT3_VALUE, PM.STAT4_VALUE, PM.STAT5_VALUE, PM.STAT6_VALUE, PM.STAT7_VALUE,
PM.STAT8_VALUE, PM.STAT9_VALUE, PM.STAT10_VALUE FROM (SELECT AT0.*, MAX(LINE_ACTIVITY_END) OVER() OVERALL_LINE_ACTIVITY_END,
MAX(LINE_ACTIVITY_COUN
T) OVER() MAX_LINE_ACTIVITY_COUNT, MAX(LINE_IMQ_COUNT) OVER() MAX_LINE_IMQ_COUNT, MAX(LINE_CPU_COUNT) OVER()
MAX_LINE_CPU_COUNT, MAX(LINE_WAIT_COUNT) OVER() MAX_LINE_WAIT_COUNT, MAX(LINE_OTHER_SQL_COUNT) OVER()
MAX_LINE_OTHER_SQL_COUNT FROM (SELECT AD1.PLAN_LINE_ID, MIN(AD1.LINE_ACTIVITY_START) LINE_ACTIVITY_START,
MAX(AD1.LINE_ACTIVITY_END) LINE_ACTIVITY_END, SUM(AD1.ACTIVITY_COUNT) LINE_ACTIVITY_COUNT, SUM(AD1.IMQ_COUNT)
LINE_IMQ_COUNT, SUM(AD1.WAIT_COUNT) LINE_WAIT_COUNT, SUM(AD1.OTHER_SQL_COUNT) LINE_OTHER_SQL_COUNT, SUM(AD1.CPU_COUNT)
LINE_CPU_COUNT, SUBSTR(MAX(LPAD(AD1.ACTIVITY_COUNT, 10)|| AD1.ACTIVITY_TYPE), 11) MOST_ACTIVE, XMLAGG(XMLELEMENT( "activity",
XMLATTRIBUTES( AD1.ACTIVITY_TYPE AS "class", AD1.EVENT_NAME AS "event"), AD1.ACTIVITY_COUNT) ORDER BY AD1.ACTIVITY_TYPE,
AD1.EVENT_NAME) ACTIVITY_TOTAL FROM (SELECT AD0.PLAN_LINE_ID, AD0.ACTIVITY_TYPE, AD0.EVENT_NAME, MIN(AD0.ACTIVITY_START)
LINE_ACTIVITY_START, MAX(AD0.ACTIV
ITY_END) LINE_ACTIVITY_END, SUM(AD0.ACTIVITY_COUNT) ACTIVITY_COUNT, SUM(AD0.IMQ_COUNT) IMQ_COUNT, SUM(AD0.WAIT_COUNT)
WAIT_COUNT, SUM(AD0.CPU_COUNT) CPU_COUNT, SUM(AD0.OTHER_SQL_COUNT) OTHER_SQL_COUNT, MAX(AD0.DFO_MOST_ACTIVE_IID)
DFO_MOST_ACTIVE_IID, MAX(AD0.DFO_MOST_ACTIVE_SID) DFO_MOST_ACTIVE_SID, SUM(AD0.DFO_MOST_ACTIVE_COUNT)
DFO_MOST_ACTIVE_COUNT FROM ASH_DATA AD0 WHERE AD0.PLAN_LINE_ID IS NOT NULL GROUP BY AD0.PLAN_LINE_ID, AD0.ACTIVITY_TYPE,
AD0.EVENT_NAME) AD1 GROUP BY AD1.PLAN_LINE_ID) AT0) AT, (SELECT AD2.PLAN_LINE_ID, MIN(AD2.PX_SERVER_SET) PX_SERVER_SET,
MIN(AD2.LINE_ACTIVITY_START) LINE_ACTIVITY_START, MAX(AD2.LINE_ACTIVITY_END) LINE_ACTIVITY_END, SUM(AD2.ACTIVITY_COUNT)
ACTIVITY_COUNT, SUM(AD2.IMQ_COUNT) IMQ_COUNT, SUM(AD2.WAIT_COUNT) WAIT_COUNT, SUM(AD2.CPU_COUNT) CPU_COUNT,
SUM(AD2.OTHER_SQL_COUNT) OTHER_SQL_COUNT, CASE WHEN :B29 = 1 AND SUM(AD2.ACTIVITY_COUNT) > 0 THEN XMLELEMENT(
"activity_histogram", XMLATTRIBUTES( :B26 AS "buc
ket_interval", :B27 AS "bucket_count", TO_CHAR( :B20 , :B12 ) AS "start_time", TO_CHAR(:B22 , :B12 ) AS "end_time", ROUND((:B22 -:B20 ) *3600*24) + 1
AS "duration"), XMLAGG(XMLELEMENT( "bucket", XMLATTRIBUTES( AD2.BUCKET_NUM AS "number"), AD2.ACTIVITY_BUCKET) ORDER BY
AD2.BUCKET_NUM)) ELSE NULL END PLAN_ACTIVITY_HISTO FROM (SELECT AD1.PLAN_LINE_ID, AD1.BUCKET_NUM, MIN(AD1.PX_SERVER_SET)
PX_SERVER_SET, MIN(AD1.LINE_ACTIVITY_START) LINE_ACTIVITY_START, MAX(AD1.LINE_ACTIVITY_END) LINE_ACTIVITY_END,
MIN(AD1.BUCKET_ACTIVITY_START) BUCKET_ACTIVITY_START, MAX(AD1.BUCKET_ACTIVITY_END) BUCKET_ACTIVITY_END,
SUM(AD1.ACTIVITY_COUNT) ACTIVITY_COUNT, SUM(AD1.IMQ_COUNT) IMQ_COUNT, SUM(AD1.WAIT_COUNT) WAIT_COUNT, SUM(AD1.CPU_COUNT)
CPU_COUNT, SUM(AD1.OTHER_SQL_COUNT) OTHER_SQL_COUNT, SUBSTR(MAX(LPAD(AD1.ACTIVITY_COUNT, 10)|| AD1.ACTIVITY_TYPE), 11)
MOST_ACTIVE, XMLAGG(NVL2(AD1.ACTIVITY_TYPE, XMLELEMENT( "acti
vity", XMLATTRIBUTES( AD1.ACTIVITY_TYPE AS "class", AD1.EVENT_NAME AS "event"), AD1.ACTIVITY_COUNT), NULL) ORDER BY
AD1.ACTIVITY_TYPE, AD1.EVENT_NAME) ACTIVITY_BUCKET FROM (SELECT AD0.PLAN_LINE_ID, AD0.PLAN_ACTIVITY_BUCKET_NUM BUCKET_NUM,
AD0.ACTIVITY_TYPE, AD0.EVENT_NAME, MIN(NVL2(AD0.ACTIVITY_START, AD0.PX_SERVER_SET, NULL)) PX_SERVER_SET,
MIN(AD0.ACTIVITY_START) LINE_ACTIVITY_START, MAX(AD0.ACTIVITY_END) LINE_ACTIVITY_END, MIN(AD0.BUCKET_ACTIVITY_START)
BUCKET_ACTIVITY_START, MAX(AD0.BUCKET_ACTIVITY_END) BUCKET_ACTIVITY_END, SUM(AD0.IMQ_COUNT) IMQ_COUNT,
SUM(AD0.CPU_COUNT) CPU_COUNT, SUM(AD0.WAIT_COUNT) WAIT_COUNT, SUM(AD0.OTHER_SQL_COUNT) OTHER_SQL_COUNT,
SUM(AD0.ACTIVITY_COUNT) ACTIVITY_COUNT FROM ASH_DATA AD0 GROUP BY AD0.PLAN_LINE_ID, AD0.PLAN_ACTIVITY_BUCKET_NUM,
AD0.ACTIVITY_TYPE, AD0.EVENT_NAME) AD1 GROUP BY AD1.PLAN_LINE_ID, AD1.BUCKET_NUM) AD2 GROUP BY AD2.PLAN_LINE_ID) AH, (SELECT
LO2.SQL_PLAN_LINE_ID PLAN_LINE_ID, DECODE(
SUM(LO2.TOTALWORK), 0, NULL, ROUND(SUM(LO2.SOFAR)*100/SUM(LO2.TOTALWORK))) PERCENT_COMPLETE, MAX(LO2.TIME_REMAINING)
TIME_REMAINING FROM MONITOR_DATA MO, (SELECT * FROM TABLE( GV$(CURSOR( SELECT USERENV('instance') INST_ID, SQL_PLAN_LINE_ID,
TOTALWORK, SOFAR, TIME_REMAINING, SID FROM V$SESSION_LONGOPS L WHERE (:B49 = 'Y' OR :B71 = 'DONE (ERROR)') AND L.SQL_ID = :B9 AND
L.SQL_EXEC_START = :B8 AND L.SQL_EXEC_ID = :B7 )))) LO2 WHERE LO2.INST_ID = MO.INST_ID AND LO2.SID = MO.SID GROUP BY
LO2.SQL_PLAN_LINE_ID ) LO, (SELECT PM0.*, CASE WHEN PM0.STARTS IS NULL OR PM0.STARTS = 0 OR PM0.OUTPUT_ROWS IS NULL THEN NULL
ELSE 1 END NEED_ROWS, ROW_NUMBER() OVER(PARTITION BY PM0.STAT_GID ORDER BY PM0.PLAN_LINE_ID ) GID_ROWNUM,
MAX(LAST_CHANGE_TIME) OVER() OVERALL_LAST_CHANGE_TIME, MAX(MAX_IO_REQS) OVER() OVERALL_MAX_IO_REQS, MAX(MAX_IO_BYTES)
OVER() OVERALL_MAX_IO_BYTES FROM (SELECT /*+ leading(mo) use_hash(plm) */ PLM.PLAN_LINE_ID PLAN_LINE_ID, PLM.PLAN_OPERATION
OPERATION, PLM.PLAN
_OPTIONS OPTIONS, MAX(PLM.PLAN_PARENT_ID) PARENT_ID, MAX(PLM.PLAN_DEPTH) DEPTH, MAX(PLM.PLAN_POSITION) POSITION,
MAX(PLM.PLAN_OPERATION_INACTIVE) INACTIVE, MAX(PLM.PLAN_OBJECT_OWNER) OBJECT_OWNER, MAX(PLM.PLAN_OBJECT_NAME)
OBJECT_NAME, MAX(PLM.PLAN_OBJECT_TYPE) OBJECT_TYPE, MAX(PLM.PLAN_COST) COST, MAX(PLM.PLAN_CARDINALITY) CARDINALITY,
MAX(PLM.PLAN_BYTES) BYTES, MAX(PLM.PLAN_CPU_COST) CPU_COST, MAX(PLM.PLAN_IO_COST) IO_COST, MAX(PLM.PLAN_TEMP_SPACE)
TEMP_SPACE, MAX(PLM.PLAN_TIME) TIME, MAX(PLM.PLAN_PARTITION_START) PARTITION_START, MAX(PLM.PLAN_PARTITION_STOP)
PARTITION_STOP, MIN(PLM.FIRST_CHANGE_TIME) FIRST_CHANGE_TIME, MAX(PLM.LAST_CHANGE_TIME) LAST_CHANGE_TIME,
MIN(PLM.LAST_CHANGE_TIME) MIN_LAST_CHANGE_TIME, MIN(NVL2(PLM.FIRST_CHANGE_TIME, MO.PX_SERVER_SET, NULL)) PX_SERVER_SET,
COUNT(CASE WHEN PLM.PAR IS NOT NULL AND PLM.STARTS IS NOT NULL AND PLM.STARTS > 0 AND PLM.PLAN_LINE_ID != 0 AND
PLM.PLAN_OPERATION != 'PX COORDINATOR' THEN 1 ELSE NULL END) DOP, S
UM(PLM.STARTS) STARTS, MAX(NVL2(PAR, PLM.STARTS * 10000000000 + PLM.ES, NULL)) MAX_STARTS, SUM(PLM.OUTPUT_ROWS)
OUTPUT_ROWS, MAX(NVL2(PAR, PLM.OUTPUT_ROWS * 10000000000 +PLM.ES, NULL)) MAX_OUTPUT_ROWS, SUM(PLM.WORKAREA_MEM) MEM,
SUM(PLM.WORKAREA_MAX_MEM) MAX_MEM, MIN(NVL2(PAR, PLM.WORKAREA_MAX_MEM * 10000000000 + PLM.ES, NULL)) MIN_MAX_MEM,
SUM(PLM.WORKAREA_TEMPSEG) TEMP, SUM(PLM.WORKAREA_MAX_TEMPSEG) MAX_TEMP, MAX(NVL2(PAR, PLM.WORKAREA_MAX_TEMPSEG *
10000000000 + PLM.ES, NULL)) MAX_MAX_TEMP, COUNT(PLM.WORKAREA_MAX_TEMPSEG) SPILL_COUNT, SUM(PLM.PHYSICAL_READ_REQUESTS)
READ_REQS, MAX(NVL2(PAR, PLM.PHYSICAL_READ_REQUESTS * 10000000000 + PLM.ES, NULL)) MAX_READ_REQS,
SUM(PLM.PHYSICAL_READ_BYTES) READ_BYTES, MAX(NVL2(PAR, PLM.PHYSICAL_READ_BYTES * 10000000000 + PLM.ES, NULL))
MAX_READ_BYTES, SUM(PLM.PHYSICAL_WRITE_REQUESTS) WRITE_REQS, MAX(NVL2(PAR, PLM.PHYSICAL_WRITE_REQUESTS * 10000000000 +
PLM.ES, NULL)) MAX_WRITE_REQS, SUM(PLM.PHYSICAL_WRITE_BYTES) WRITE
_BYTES, MAX(NVL2(PAR, PLM.PHYSICAL_WRITE_BYTES * 10000000000 + PLM.ES, NULL)) MAX_WRITE_BYTES,
NVL(SUM(PLM.PHYSICAL_READ_BYTES), 0) + NVL(SUM(PLM.PHYSICAL_WRITE_BYTES), 0) IO_BYTES, SUM(NVL(PLM.PHYSICAL_READ_REQUESTS,
0) + NVL(PLM.PHYSICAL_WRITE_REQUESTS, 0)) MAX_IO_REQS, SUM(NVL(PLM.PHYSICAL_READ_BYTES, 0) + NVL(PLM.PHYSICAL_WRITE_BYTES,
0)) MAX_IO_BYTES, SUM(PLM.IO_INTERCONNECT_BYTES) IO_INTER_BYTES, MAX(NVL2(PAR, PLM.IO_INTERCONNECT_BYTES * 10000000000 +
PLM.ES, NULL)) MAX_IO_INTER_BYTES, MAX(OTHERSTAT_GROUP_ID) STAT_GID, NVL(DECODE(MAX(OTHERSTAT_1_TYPE), 3,
MAX(OTHERSTAT_1_VALUE), 4, MAX(OTHERSTAT_1_VALUE), 6, MIN(OTHERSTAT_1_VALUE), 7, MIN(OTHERSTAT_1_VALUE), NULL),
SUM(DECODE(OTHERSTAT_1_TYPE, 1, OTHERSTAT_1_VALUE, 2, OTHERSTAT_1_VALUE, NULL))) STAT1_VALUE,
NVL(MOD((DECODE(MAX(OTHERSTAT_2_TYPE), 3, MAX(OTHERSTAT_2_VALUE), 5, DECODE(MAX(OTHERSTAT_1_TYPE), 4, MAX(RMAX1 +
OTHERSTAT_2_VALUE), 7, MIN(RMAX1 + OTHERSTAT_2_VALUE), NULL), 6, MI
N(OTHERSTAT_2_VALUE), NULL)), 10000000000000000), SUM(DECODE(OTHERSTAT_2_TYPE, 1, OTHERSTAT_2_VALUE, 2, OTHERSTAT_2_VALUE,
NULL))) STAT2_VALUE, NVL(MOD((DECODE(MAX(OTHERSTAT_3_TYPE), 3, MAX(OTHERSTAT_3_VALUE), 5, DECODE(MAX(OTHERSTAT_1_TYPE), 4,
MAX(RMAX1 + OTHERSTAT_3_VALUE), 7, MIN(RMAX1 + OTHERSTAT_3_VALUE), NULL), 6, MIN(OTHERSTAT_3_VALUE), NULL)),
10000000000000000), SUM(DECODE(OTHERSTAT_3_TYPE, 1, OTHERSTAT_3_VALUE, 2, OTHERSTAT_3_VALUE, NULL))) STAT3_VALUE,
NVL(MOD((DECODE(MAX(OTHERSTAT_4_TYPE), 3, MAX(OTHERSTAT_4_VALUE), 5, DECODE(MAX(OTHERSTAT_1_TYPE), 4, MAX(RMAX1 +
OTHERSTAT_4_VALUE), 7, MIN(RMAX1 + OTHERSTAT_4_VALUE), NULL), 6, MIN(OTHERSTAT_4_VALUE), NULL)), 10000000000000000),
SUM(DECODE(OTHERSTAT_4_TYPE, 1, OTHERSTAT_4_VALUE, 2, OTHERSTAT_4_VALUE, NULL))) STAT4_VALUE,
NVL(MOD((DECODE(MAX(OTHERSTAT_5_TYPE), 3, MAX(OTHERSTAT_5_VALUE), 5, DECODE(MAX(OTHERSTAT_1_TYPE), 4, MAX(RMAX1 +
OTHERSTAT_5_VALUE), 7, MIN(RMAX1 +
OTHERSTAT_5_VALUE), NULL), 6, MIN(OTHERSTAT_5_VALUE), NULL)), 10000000000000000), SUM(DECODE(OTHERSTAT_5_TYPE, 1,
OTHERSTAT_5_VALUE, 2, OTHERSTAT_5_VALUE, NULL))) STAT5_VALUE, NVL(MOD((DECODE(MAX(OTHERSTAT_6_TYPE), 3,
MAX(OTHERSTAT_6_VALUE), 5, DECODE(MAX(OTHERSTAT_1_TYPE), 4, MAX(RMAX1 + OTHERSTAT_6_VALUE), 7, MIN(RMAX1 +
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OTHERSTAT_6_VALUE), NULL), 6, MIN(OTHERSTAT_6_VALUE), NULL)), 10000000000000000), SUM(DECODE(OTHERSTAT_6_TYPE, 1,
OTHERSTAT_6_VALUE, 2, OTHERSTAT_6_VALUE, NULL))) STAT6_VALUE, NVL(MOD((DECODE(MAX(OTHERSTAT_7_TYPE), 3,
MAX(OTHERSTAT_7_VALUE), 5, DECODE(MAX(OTHERSTAT_1_TYPE), 4, MAX(RMAX1 + OTHERSTAT_7_VALUE), 7, MIN(RMAX1 +
OTHERSTAT_7_VALUE), NULL), 6, MIN(OTHERSTAT_7_VALUE), NULL)), 10000000000000000), SUM(DECODE(OTHERSTAT_7_TYPE, 1,
OTHERSTAT_7_VALUE, 2, OTHERSTAT_7_VALUE, NULL))) STAT7_VALUE, NVL(MOD((DECODE(MAX(OTHERSTAT_8_TYPE), 3,
MAX(OTHERSTAT_8_VALUE), 5, DECODE(MAX(OTHERSTAT_1_TYPE), 4, MAX(RMAX1 + OT
HERSTAT_8_VALUE), 7, MIN(RMAX1 + OTHERSTAT_8_VALUE), NULL), 6, MIN(OTHERSTAT_8_VALUE), NULL)), 10000000000000000),
SUM(DECODE(OTHERSTAT_8_TYPE, 1, OTHERSTAT_8_VALUE, 2, OTHERSTAT_8_VALUE, NULL))) STAT8_VALUE,
NVL(MOD((DECODE(MAX(OTHERSTAT_9_TYPE), 3, MAX(OTHERSTAT_9_VALUE), 5, DECODE(MAX(OTHERSTAT_1_TYPE), 4, MAX(RMAX1 +
OTHERSTAT_9_VALUE), 7, MIN(RMAX1 + OTHERSTAT_9_VALUE), NULL), 6, MIN(OTHERSTAT_9_VALUE), NULL)), 10000000000000000),
SUM(DECODE(OTHERSTAT_9_TYPE, 1, OTHERSTAT_9_VALUE, 2, OTHERSTAT_9_VALUE, NULL))) STAT9_VALUE,
NVL(MOD((DECODE(MAX(OTHERSTAT_10_TYPE), 3, MAX(OTHERSTAT_10_VALUE), 5, DECODE(MAX(OTHERSTAT_1_TYPE), 4, MAX(RMAX1 +
OTHERSTAT_10_VALUE), 7, MIN(RMAX1 + OTHERSTAT_10_VALUE), NULL), 6, MIN(OTHERSTAT_10_VALUE), NULL)), 10000000000000000),
SUM(DECODE(OTHERSTAT_10_TYPE, 1, OTHERSTAT_10_VALUE, 2, OTHERSTAT_10_VALUE, NULL))) STAT10_VALUE FROM (SELECT A.*,
OTHERSTAT_1_VALUE * 10000000000000000 RMAX1, A.INST_ID * 100
0000 + A.SID ES, DECODE(A.PROCESS_NAME, 'ora', NULL, 1) PAR FROM (SELECT * FROM TABLE(GV$(CURSOR( SELECT USERENV('instance')
INST_ID, A0.* FROM V$ALL_SQL_PLAN_MONITOR A0 WHERE A0.SQL_ID = :B9 AND A0.SQL_EXEC_START = :B8 AND A0.SQL_EXEC_ID = :B7 AND
USERENV('instance') BETWEEN :B11 AND :B10 ))) ) A ) PLM, MONITOR_DATA MO WHERE PLM.INST_ID = MO.INST_ID AND PLM.INST_ID BETWEEN :B11
AND :B10 AND PLM.KEY = MO.KEY GROUP BY PLM.PLAN_LINE_ID, PLM.PLAN_OPERATION, PLM.PLAN_OPTIONS) PM0) PM WHERE
AH.PLAN_LINE_ID(+) = PM.PLAN_LINE_ID AND AT.PLAN_LINE_ID(+) = PM.PLAN_LINE_ID AND LO.PLAN_LINE_ID(+) = PM.PLAN_LINE_ID AND (:B21 IS
NULL OR PM.PLAN_LINE_ID = :B21 )) PLI) ELSE NULL END, CASE WHEN :B42 = 1 THEN DBMS_SQLTUNE.BUILD_STASH_XML( SESSION_ID=>:B19 ,
SESSION_SERIAL=>:B18 , SESSION_INST_ID=>:B17 , PX_MODE=>'yes', START_TIME=>:B20 , END_TIME=>:B22 , MISSING_SECONDS=> :B41 ,
INSTANCE_LOW_FILTER=>:B11 , INSTANCE_HIGH_FILTER=>:B10 , BUCKET_MAX_COUNT=>NUL
L, BUCKET_INTERVAL=>:B26 , REPORT_LEVEL=>'typical', CPU_CORES=>:B40 , IS_HYPER=>:B39 ) ELSE NULL END), (CASE WHEN :B38 = 1 THEN
(SELECT XMLELEMENT( "skewed_sessions", XMLATTRIBUTES( DECODE(MIN(INST_ID), NULL, :B17 , MIN(INST_ID)) AS "min_iid",
DECODE(MAX(INST_ID), NULL, :B17 , MAX(INST_ID)) AS "max_iid"), XMLAGG( XMLELEMENT( "s", XMLATTRIBUTES( INST_ID AS "i"), SESSION_ID)
ORDER BY INST_ID, SESSION_ID)) FROM (SELECT SESS.* FROM (SELECT DECODE(AD.DFO_MOST_ACTIVE_IID, :B17 , NULL,
AD.DFO_MOST_ACTIVE_IID) INST_ID, AD.DFO_MOST_ACTIVE_SID SESSION_ID FROM ASH_DATA AD WHERE AD.DFO_MOST_ACTIVE_COUNT IS NOT
NULL GROUP BY AD.DFO_MOST_ACTIVE_IID, AD.DFO_MOST_ACTIVE_SID ORDER BY MAX(AD.DFO_MOST_ACTIVE_COUNT) DESC) SESS WHERE
ROWNUM <= 100)) ELSE NULL END), (CASE WHEN :B37 = 1 THEN (SELECT XMLELEMENT( "report_repository_summary", CASE WHEN
MA.MAX_DBOP_NAME IS NOT NULL THEN XMLELEMENT( "dbop"
, XMLATTRIBUTES('F' AS "detail", MA.MAX_DBOP_NAME AS "dbop_name", TO_CHAR(MA.MIN_FIRST_REFRESH_TIME, :B12 ) AS "dbop_exec_start",
MA.MAX_DBOP_EXEC_ID AS "dbop_exec_id"), XMLFOREST( MA.MAX_STATUS AS "status", TO_CHAR(NVL(MA.MAX_SQL_EXEC_START,
MA.MIN_FIRST_REFRESH_TIME), :B12 )AS "first_refresh_time", TO_CHAR(MA.MAX_LAST_REFRESH_TIME, :B12 )AS "last_refresh_time",
MA.SUM_REFRESH_COUNT AS "refresh_count", MA.MAX_INST_ID AS "inst_id", MA.MAX_SESSION_ID AS "session_id", MA.MAX_SESSION_SERIAL AS
"session_serial", MA.MAX_USERID AS "user_id", MA.MAX_USERNAME AS "user", MA.MAX_CON_ID AS "con_id", MA.MAX_CON_NAME AS "con_name",
MA.MAX_MODULE AS "module", MA.MAX_ACTION AS "action", MA.MAX_SERVICE_NAME AS "service", MA.MAX_CLIENT_ID AS "client_id",
MA.MAX_CLIENT_INFO AS "client_inf
o", MA.MAX_PROGRAM AS "program", MA.MAX_PL_ENTRY_OID AS "plsql_entry_object_id", MA.MAX_PL_ENTRY_PROGID AS
"plsql_entry_subprogram_id", MA.MAX_PL_OID AS "plsql_object_id", MA.MAX_PL_PROGID AS "plsql_subprogram_id", MA.MAX_PX_IS_CROSS_INSTANCE
AS "is_cross_instance", MA.MAX_PX_DOP AS "dop", MA.MAX_PX_DOP_INSTANCES AS "instances"), CASE WHEN MA.MAX_ERROR_NUMBER IS NULL
THEN NULL ELSE XMLELEMENT( "error", XMLATTRIBUTES(MA.MAX_ERROR_NUMBER AS "number", MA.MAX_ERROR_FACILITY AS "facility"),
MA.MAX_ERROR_MESSAGE) END, XMLELEMENT( "stats", XMLATTRIBUTES('monitor' AS "type"), XMLELEMENT( "stat", XMLATTRIBUTES('duration' AS
"name"), GREATEST(ROUND((MA.MAX_LAST_REFRESH_TIME- NVL(MA.MAX_SQL_EXEC_START, MA.MIN_FIRST_REFRESH_TIME))*86400),
LEAST(MA.SUM_ELAPSED_TIME/1000000, 1), CEIL(MA.MAX_QUEUING_TIME/1000000))), DECODE(MA.
SUM_ELAPSED_TIME, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('elapsed_time' AS "name"), MA.SUM_ELAPSED_TIME)),
DECODE(MA.MAX_QUEUING_TIME, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('queuing_time' AS "name"), MA.MAX_QUEUING_TIME)),
DECODE(MA.SUM_CPU_TIME, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('cpu_time' AS "name"), MA.SUM_CPU_TIME)),
DECODE(MA.SUM_USER_IO_WAIT_TIME, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('user_io_wait_time' AS "name"),
MA.SUM_USER_IO_WAIT_TIME)), DECODE(MA.SUM_APPLICATION_WAIT_TIME, 0, NULL, XMLELEMENT( "stat",
XMLATTRIBUTES('application_wait_time' AS "name"), MA.SUM_APPLICATION_WAIT_TIME)), DECODE(MA.SUM_CONCURRENCY_WAIT_TIME, 0, NULL,
XMLELEMENT( "stat", XMLATTRIBUTES('concurrency_wait_time' AS "name"), MA.SUM_CONCURRENCY_WAIT_TIME)),
DECODE(MA.SUM_CLUSTER_WAIT_TIME, 0, NULL, XMLELEMENT( "stat
", XMLATTRIBUTES('cluster_wait_time' AS "name"), MA.SUM_CLUSTER_WAIT_TIME)), DECODE(MA.SUM_PLSQL_EXEC_TIME, 0, NULL, XMLELEMENT(
"stat", XMLATTRIBUTES('plsql_exec_time' AS "name"), MA.SUM_PLSQL_EXEC_TIME)), DECODE(MA.SUM_JAVA_EXEC_TIME, 0, NULL, XMLELEMENT(
"stat", XMLATTRIBUTES('java_exec_time' AS "name"), MA.SUM_JAVA_EXEC_TIME)), DECODE(MA.SUM_OTHER_WAIT_TIME, 0, NULL, XMLELEMENT(
"stat", XMLATTRIBUTES('other_wait_time' AS "name"), MA.SUM_OTHER_WAIT_TIME)), DECODE(MA.SUM_FETCHES, 0, NULL, XMLELEMENT( "stat",
XMLATTRIBUTES('user_fetch_count' AS "name"), MA.SUM_FETCHES)), DECODE(MA.SUM_BUFFER_GETS, 0, NULL, XMLELEMENT( "stat",
XMLATTRIBUTES('buffer_gets' AS "name"), MA.SUM_BUFFER_GETS)), DECODE(MA.SUM_READ_REQS, 0, NULL, XMLELEMENT( "stat",
XMLATTRIBUTES('read_reqs' AS "name"), MA.SUM_READ_REQS)), DECODE(MA.SUM_REA
D_BYTES, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('read_bytes' AS "name"), MA.SUM_READ_BYTES)), DECODE(MA.SUM_WRITE_REQS, 0,
NULL, XMLELEMENT( "stat", XMLATTRIBUTES('write_reqs' AS "name"), MA.SUM_WRITE_REQS)), DECODE(MA.SUM_WRITE_BYTES, 0, NULL,
XMLELEMENT( "stat", XMLATTRIBUTES('write_bytes' AS "name"), MA.SUM_WRITE_BYTES)), CASE WHEN MA.SUM_IO_INTER_BYTES IS NULL OR
MA.SUM_IO_INTER_BYTES = MA.SUM_IO_BYTES OR MA.SUM_IO_BYTES = 0 OR NVL(MA.SUM_IO_ELIG_BYTES, 0) = 0 THEN NULL ELSE
XMLELEMENT( "stat", XMLATTRIBUTES('cell_offload_efficiency' AS "name"), ROUND(MA.SUM_IO_BYTES / DECODE(MA.SUM_IO_INTER_BYTES, 0, 1,
MA.SUM_IO_INTER_BYTES), 2)) END, CASE WHEN NVL(MA.SUM_IO_ELIG_BYTES, 0) = 0 OR MA.SUM_IO_BYTES = 0 OR MA.SUM_IO_UNC_BYTES =
MA.SUM_IO_RET_BYTES THEN NULL ELSE XMLELEMENT( "stat", XMLATTRIBUTES('cell_offload_efficiency2' AS "name"), GREATEST(0, ROUND(
100 * (GREATEST(MA.SUM_IO_UNC_BYTES, MA.SUM_IO_ELIG_BYTES) - MA.SUM_IO_RET_BYTES) / MA.SUM_IO_ELIG_BYTES, 2))) END) ) ELSE
XMLELEMENT( "sql", XMLATTRIBUTES( MA.MAX_SQL_ID AS "sql_id", TO_CHAR(MA.MAX_SQL_EXEC_START, :B12 ) AS "sql_exec_start",
MA.MAX_SQL_EXEC_ID AS "sql_exec_id"), XMLFOREST(MA.MAX_STATUS AS "status", SUBSTR(MA.SQLMON_TEXT, 1, 100) AS "sql_text",
TO_CHAR(MA.MIN_FIRST_REFRESH_TIME, :B12 ) AS "first_refresh_time", TO_CHAR(MA.MAX_LAST_REFRESH_TIME, :B12 ) AS "last_refresh_time",
MA.SUM_REFRESH_COUNT AS "refresh_count", MA.MAX_INST_ID AS "inst_id", MA.MAX_SESSION_ID AS "session_id", MA.MAX_SESSION_SERIAL AS
"session_serial", MA.MAX_USERID AS "user_id", MA.MAX_USERNAME AS "user", MA.MAX_CON_ID AS "con_id", MA.MAX_CON_NAME AS "con_name",
MA.MAX_MODULE AS "module", MA.MAX_ACTION AS
"action", MA.MAX_SERVICE_NAME AS "service", MA.MAX_CLIENT_ID AS "client_id", MA.MAX_CLIENT_INFO AS "client_info", MA.MAX_PROGRAM AS
"program", MA.MAX_PLAN_HASH_VALUE AS "plan_hash", MA.MAX_PL_ENTRY_OID AS "plsql_entry_object_id", MA.MAX_PL_ENTRY_PROGID AS
"plsql_entry_subprogram_id", MA.MAX_PL_OID AS "plsql_object_id", MA.MAX_PL_PROGID AS "plsql_subprogram_id", MA.MAX_PX_IS_CROSS_INSTANCE
AS "is_cross_instance", MA.MAX_PX_DOP AS "dop", MA.MAX_PX_DOP_INSTANCES AS "instances", MA.SUM_SERVERS_REQUESTED AS
"px_servers_requested", MA.SUM_SERVERS_ALLOCATED AS "px_servers_allocated"), XMLELEMENT( "stats", XMLATTRIBUTES('monitor' AS "type"),
XMLELEMENT( "stat", XMLATTRIBUTES('duration' AS "name"), GREATEST(ROUND((MA.MAX_LAST_REFRESH_TIME- MA.MAX_SQL_EXEC_START) *
86400), LEAST(MA.SUM_ELA
PSED_TIME/1000000, 1), CEIL(MA.MAX_QUEUING_TIME/1000000))), DECODE(MA.SUM_ELAPSED_TIME, 0, NULL, XMLELEMENT( "stat",
XMLATTRIBUTES('elapsed_time' AS "name"), MA.SUM_ELAPSED_TIME)), DECODE(MA.MAX_QUEUING_TIME, 0, NULL, XMLELEMENT( "stat",
XMLATTRIBUTES('queuing_time' AS "name"), MA.MAX_QUEUING_TIME)), DECODE(MA.SUM_CPU_TIME, 0, NULL, XMLELEMENT( "stat",
XMLATTRIBUTES('cpu_time' AS "name"), MA.SUM_CPU_TIME)), DECODE(MA.SUM_USER_IO_WAIT_TIME, 0, NULL, XMLELEMENT( "stat",
XMLATTRIBUTES('user_io_wait_time' AS "name"), MA.SUM_USER_IO_WAIT_TIME)), DECODE(MA.SUM_APPLICATION_WAIT_TIME, 0, NULL,
XMLELEMENT( "stat", XMLATTRIBUTES('application_wait_time' AS "name"), MA.SUM_APPLICATION_WAIT_TIME)),
DECODE(MA.SUM_CONCURRENCY_WAIT_TIME, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('concurrency_wait_time' AS "name"),
MA.SUM_CONCURRENCY_WAIT_TIME)),
 DECODE(MA.SUM_CLUSTER_WAIT_TIME, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('cluster_wait_time' AS "name"),
MA.SUM_CLUSTER_WAIT_TIME)), DECODE(MA.SUM_PLSQL_EXEC_TIME, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('plsql_exec_time' AS
"name"), MA.SUM_PLSQL_EXEC_TIME)), DECODE(MA.SUM_JAVA_EXEC_TIME, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('java_exec_time' AS
"name"), MA.SUM_JAVA_EXEC_TIME)), DECODE(MA.SUM_OTHER_WAIT_TIME, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('other_wait_time' AS
"name"), MA.SUM_OTHER_WAIT_TIME)), DECODE(MA.SUM_FETCHES, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('user_fetch_count' AS "name"),
MA.SUM_FETCHES)), DECODE(MA.SUM_BUFFER_GETS, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('buffer_gets' AS "name"),
MA.SUM_BUFFER_GETS)), DECODE(MA.SUM_READ_REQS, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('rea
d_reqs' AS "name"), MA.SUM_READ_REQS)), DECODE(MA.SUM_READ_BYTES, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('read_bytes' AS
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| | "name"), MA.SUM_READ_BYTES)), DECODE(MA.SUM_WRITE_REQS, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('write_reqs' AS "name"), MA.SUM_WRITE_REQS)), DECODE(MA.SUM_WRITE_BYTES, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('write_bytes' AS "name"), MA.SUM_WRITE_BYTES)), DECODE(MA.SUM_IO_UNC_BYTES, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('unc_bytes' AS "name"), MA.SUM_IO_UNC_BYTES)), DECODE(MA.SUM_IO_ELIG_BYTES, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('elig_bytes' AS "name"), MA.SUM_IO_ELIG_BYTES)), DECODE(MA.SUM_IO_RET_BYTES, 0, NULL, XMLELEMENT( "stat", XMLATTRIBUTES('ret_bytes' AS "name"), MA.SUM_IO_RET_BYTES)), CASE WHEN MA.SUM_IO_INTER_BYTES IS NULL OR MA.SUM_IO_INTER_BYTES = MA.SUM_IO_BYTES OR M A.SUM_IO_BYTES = 0 OR NVL(MA.SUM_IO_ELIG_BYTES, 0) = 0 THEN NULL ELSE XMLELEMENT( "stat", XMLATTRIBUTES('cell_offload_efficiency' AS "name"), ROUND(MA.SUM_IO_BYTES / DECODE(MA.SUM_IO_INTER_BYTES, 0, 1, MA.SUM_IO_INTER_BYTES), 2)) END, CASE WHEN NVL(MA.SUM_IO_ELIG_BYTES, 0) = 0 OR MA.SUM_IO_BYTES = 0 OR MA.SUM_IO_UNC_BYTES = MA.SUM_IO_RET_BYTES THEN NULL ELSE XMLELEMENT( "stat", XMLATTRIBUTES('cell_offload_efficiency2' AS "name"), GREATEST(0, ROUND(100 * (GREATEST(MA.SUM_IO_UNC_BYTES, MA.SUM_IO_ELIG_BYTES) - MA.SUM_IO_RET_BYTES) / MA.SUM_IO_ELIG_BYTES, 2))) END) ) END) FROM MONITOR_AGG MA) ELSE NULL END) FROM (SELECT CASE WHEN V1.XPLAN_XML IS NULL OR V1.XPLAN_XML.EXISTSNODE('/error') > 0 THEN NULL ELSE V1.XPLAN_XML END XPLAN_XML FROM (SELECT CASE WHEN :B36 = 1 THEN DBMS_XPLAN.BUILD_PLAN_XML( TABLE_NAME=>'gv$all_sql_plan', PLAN_TAG=>'plan', FILTER_PREDS=>:B35 , FORMAT=>'-PROJECTION +ALIAS +ADAPTIVE') ELSE NULL END XP LAN_XML FROM DUAL) V1) CONST_VIEW |
| 19z8ajg6qm0fm | SELECT /*YANTRA*/ YFS_TASK_Q.* FROM YFS_TASK_Q YFS_TASK_Q WHERE DATA_TYPE = :1 AND DATA_KEY = :2 AND TRANSACTION_KEY = :3 |
| 1m4b72a00g1y5 | SELECT /*YANTRA*/ YFS_ORDER_LINE_RELATIONSHIP.* FROM YFS_ORDER_LINE_RELATIONSHIP YFS_ORDER_LINE_RELATIONSHIP WHERE YFS_ORDER_LINE_RELATIONSHIP.ORDER_HEADER_KEY= :1 |
| 1myy6cf5wr6gc | SELECT SEQ_YANTRA_CUSTOM_NOTES_PK.NEXTVAL FROM DUAL |
| 1r03afx11v1d3 | SELECT /*YANTRA*/ YFS_ADDNL_LINE_PRICE.* FROM YFS_ADDNL_LINE_PRICE YFS_ADDNL_LINE_PRICE WHERE ORDER_HEADER_KEY = :1 |
| 1tf5zcj3npznk | select * from (SELECT :"SYS_B_0" ||:"SYS_B_1"|| COUNT (*) AS backlogcount FROM yfs_charge_transaction WHERE (status = :"SYS_B_2") AND (charge_transaction_key > TO_CHAR (SYSDATE - :"SYS_B_3", :"SYS_B_4") ) AND (collection_date < SYSDATE) AND charge_type = :"SYS_B_5" AND createuserid <>:"SYS_B_6") |
| 1zcxy9wsfy9aj | SELECT /*YANTRA*/ YFS_TAX_BREAKUP.* FROM YFS_TAX_BREAKUP YFS_TAX_BREAKUP WHERE HEADER_KEY = :1 AND RECORD_TYPE = :2 |
| 2f33vzugkkcnw | SELECT /*YANTRA*/ YFS_CREDIT_CARD_TRANSACTION.* FROM YFS_CREDIT_CARD_TRANSACTION YFS_CREDIT_CARD_TRANSACTION WHERE YFS_CREDIT_CARD_TRANSACTION.CHARGE_TRANSACTION_KEY= :1 |
| 2fszn5yw13cg9 | SELECT /*YANTRA*/ YFS_CHARGE_BREAKUP.* FROM YFS_CHARGE_BREAKUP YFS_CHARGE_BREAKUP WHERE YFS_CHARGE_BREAKUP.LINE_CHARGE_KEY= :1 AND YFS_CHARGE_BREAKUP.ORDER_HEADER_KEY= :2 |
| 2g94qaf5c1q8q | SELECT /*YANTRA*/ YFS_ORDER_HEADER.* FROM YFS_ORDER_HEADER YFS_ORDER_HEADER WHERE YFS_ORDER_HEADER.ORDER_HEADER_KEY IN ( SELECT YFS_ORDER_HEADER.ORDER_HEADER_KEY FROM YFS_ORDER_HEADER YFS_ORDER_HEADER, YFS_ORDER_RELEASE_STATUS YFS_ORDER_RELEASE_STATUS WHERE ( ( :"SYS_B_0" = :"SYS_B_1" ) ) AND ( YFS_ORDER_RELEASE_STATUS.STATUS_QUANTITY >:"SYS_B_2" AND YFS_ORDER_RELEASE_STATUS.STATUS <> :"SYS_B_3" AND ( ( YFS_ORDER_RELEASE_STATUS.STATUS >= :1 AND YFS_ORDER_RELEASE_STATUS.STATUS <= :2 ) ) AND YFS_ORDER_HEADER.ORDER_HEADER_KEY = YFS_ORDER_RELEASE_STATUS.ORDER_HEADER_KEY) ) ORDER BY YFS_ORDER_HEADER.ORDER_HEADER_KEY |
| 2gkddyf8qzjbf | SELECT /*YANTRA*/ YFS_CHARGE_TRANSACTION.* FROM YFS_CHARGE_TRANSACTION YFS_CHARGE_TRANSACTION WHERE YFS_CHARGE_TRANSACTION.ORDER_HEADER_KEY= :1 ORDER BY CREATETS |
| 2kg29p1qgq7vg | SELECT /*YANTRA*/ YFS_ORDER_HOLD_TYPE.* FROM YFS_ORDER_HOLD_TYPE YFS_ORDER_HOLD_TYPE WHERE ORDER_HEADER_KEY = :1 |
| 2sg3vgtpxyk2r | INSERT /*YANTRA*/ INTO YFS_TASK_Q(TASK_Q_KEY, TRANSACTION_KEY, DATA_KEY, DATA_TYPE, AVAILABLE_DATE, HOLD_FLAG, ROLLOUT_VERSION, LOCKID, CREATETS, MODIFYTS, CREATEUSERID, MODIFYUSERID, CREATEPROGID, MODIFYPROGID) values (:1 , :2 , :3 , :4 , :5 , :6 , :7 , :8 , :9 , :10 , :11 , :12 , :13 , :14 ) |
| 2ycq1d0fd6tum | INSERT /*YANTRA*/ INTO YFS_ORDER_LINE_SCHEDULE(ORDER_LINE_SCHEDULE_KEY, SCHEDULE_NO, ORDER_LINE_KEY, ORDER_HEADER_KEY, TAG_NUMBER, LOT_NUMBER, REVISION_NO, BATCH_NO, SHIP_BY_DATE, EXPECTED_SHIPMENT_DATE, EXPECTED_DELIVERY_DATE, SHIP_NODE, RECEIVING_NODE, OVERRIDE_ITEM_ID, OVERRIDE_UOM, OVERRIDE_PRODUCT_CLASS, DISPOSITION_CODE, SOURCE_FROM_ORGANIZATION, PROMISED_APPT_START_DATE, PROMISED_APPT_END_DATE, MERGE_NODE, CREATETS, MODIFYTS, CREATEUSERID, MODIFYUSERID, CREATEPROGID, MODIFYPROGID, LOCKID, PROCURE_FROM_NODE, PRODUCT_AVAILABILITY_DATE) values (:1 , :2 , :3 , :4 , :5 , :6 , :7 , :8 , :9 , :10 , :11 , :12 , :13 , :14 , :15 , :16 , :17 , :18 , :19 , :20 , :21 , :22 , :23 , :24 , :25 , :26 , :27 , :28 , :29 , :30 ) |
| 31qz78t5u14tx | SELECT /*YANTRA*/ YFS_ORDER_LINE.* FROM YFS_ORDER_LINE YFS_ORDER_LINE WHERE ( ORDER_HEADER_KEY IN ( :1 ) ) |
| 36xhbtk69wp61 | SELECT /*YANTRA*/ YFS_ORDER_LINE.* FROM YFS_ORDER_LINE YFS_ORDER_LINE WHERE (YFS_ORDER_LINE.ORDER_LINE_KEY = :1 ) |
| 38ncj2h3sat9d | MERGE /*+ INDEX(dest (signature category obj_type plan_id)) */ INTO sqlobj$ dest USING (SELECT :1 signature, :2 category, :3 obj_type, :4 plan_id FROM dual) src ON (dest.signature = src.signature AND dest.category = src.category AND dest.obj_type = src.obj_type AND dest.plan_id = src.plan_id) WHEN MATCHED THEN UPDATE SET name = :5, flags = :6, last_executed = :7 WHEN NOT MATCHED THEN INSERT (signature, category, obj_type, plan_id, name, flags, last_executed) VALUES (:8, :9, :10, :11, :12, :13, :14) |
| 3wcmb502bx24a | select * from (SELECT :"SYS_B_0" ||:"SYS_B_1"||COUNT(:"SYS_B_2") AS BACKLOGCOUNT FROM yfs_order_invoice WHERE ORDER_INVOICE_KEY > TO_CHAR(SYSDATE - :"SYS_B_3", :"SYS_B_4")AND STATUS =:"SYS_B_5" AND TOTAL_AMOUNT = AMOUNT_COLLECTED AND CREATETS < SYSDATE-:"SYS_B_6"/:"SYS_B_7") |
| 3xb8xamdqkd6t | SELECT /*YANTRA*/ YFS_PAYMENT.* FROM YFS_PAYMENT YFS_PAYMENT WHERE YFS_PAYMENT.ORDER_HEADER_KEY= :1 |
| 3ytmcn7yp2gs2 | SELECT /*YANTRA*/ YFS_INBOX.* FROM YFS_INBOX YFS_INBOX WHERE QUEUE_KEY = :1 AND ACTIVE_FLAG = :2 AND INBOX_KEY > :3 ORDER BY INBOX_KEY |
| 419jqm7410vvz | insert into YFS_ORDER_LINE (ACTUAL_PRICING_QUANTITY, ALTERNATE_ITEM_ID, APPT_STATUS, BASIC_CAPACITY_REQUIRED, BOM_CONFIG_KEY, BUNDLE_FULFILLMENT_MODE, BUNDLE_PARENT_ORDER_LINE_KEY, BUYER_RECEIVING_NODE_ID, EXTN_CUST_DEVICE_SKU_ID, EXTN_CUST_DEVICE_SKU_ITEM_ID, CAN_ADD_SERVICE_LINES, CANNOT_COMPLETE_AFTER_DATE, CANNOT_COMPLETE_BEFORE_DATE, CANNOT_MEET_APPT, EXTN_ORGN_CAP_ID, CAPACITY_UOM, CARRIER_ACCOUNT_NO, CARRIER_SERVICE_CODE, EXTN_CARR_SVC_CDE_DESC, EXTN_CARR_SVC_GRP_VAL, CHAINED_FROM_ORDER_HEADER_KEY, CHAINED_FROM_ORDER_LINE_KEY, CONDITION_VARIABLE_1, CONDITION_VARIABLE_2, COST_CURRENCY, COUNTRY_OF_ORIGIN, CREATEPROGID, CREATETS, CREATEUSERID, CURRENT_WORK_ORDER_KEY, CUSTOMER_ITEM, CUSTOMER_ITEM_DESCRIPTION, CUSTOMER_PO_LINE_NO, CUSTOMER_PO_NO, DELIVERY_CODE, DELIVERY_METHOD, DEPARTMENT_CODE, DEPENDENCY_RATIO, DEP ENDENCY_SHIPPING_RULE, DEPENDENT_ON_LINE_KEY, DERIVED_FROM_EXT_ORD, DERIVED_FROM_ORDER_HEADER_KEY, DERIVED_FROM_ORDER_LINE_KEY, DERIVED_FROM_ORDER_RELEASE_KEY, DISCOUNT_PERCENTAGE, DISCOUNT_REFERENCE, DISCOUNT_TYPE, DISPOSITION_CODE, DISTRIBUTION_RULE_ID, EARLIEST_DELIVERY_DATE, EARLIEST_SCHEDULE_DATE, EARLIEST_SHIP_DATE, ECCN_NO, EXTN_EXPECTED_SHIP_DATE, EXTN_ADDR_INTERCEPT_FLG, EXTN_ADDRESS_OVERRIDDEN_FLAG, EXTN_AGE_TYP_VAL, EXTN_AVAILABILITY_CODE, EXTN_AVAILABILITY_MESSAGE, EXTN_BACKORDER_EMAILCOUNT, EXTN_BEGIN_EXPECTED_SHIP_DATE, EXTN_CARGO_OFFLN_FLG, EXTN_CHG_TYP_VAL, EXTN_DAYS_LEFT_TO_CANCEL, EXTN_ITEM_DTL_DESC, EXTN_DLR_RSRV_DT, EXTN_END_EXPECTED_SHIP_DATE, EXTN_ENTERPRISE_LIABLE_FLAG, EXTN_EOMS_CLASS, EXTN_EOMS_DEPARTMENT, EXTN_ESCALATION_PAGE_COUNT, EXTN_EXP_SHIP_DATE_EMAIL, EXTN_EXPEDITED_FLAG, EXTN_EXTNL_APPT_ID, EXTN_FORMAT, EXTN_FRANKLIN_RELEASE_IND, EXTN_FREE_SHIPPING_FLAG, EXTN_INSURANCE_FLAG, EXTN_IS_DGTL_GIFT, EXTN_IS_HAZMAT_FLA G, EXTN_IS_OVER_USPS_WT_FLAG, EXTN_IS_OVERSIZED_FLAG, EXTN_ITEM_RELSHP_TYPE, EXTN_ITEM_TYPE, EXTN_LATE_NIGHT_PKUP_FLG, EXTN_MAX_ALLOWANCE, EXTN_MIN_GEOCODE, EXTN_MIN_INVOICE_DATE, EXTN_MIN_SHIP_NODE, EXTN_MIN_TAX_PERCENT, EXTN_OLD_CUSTOMER_ITEM, EXTN_ORD_LN_PRTY_NBR, EXTN_ORDER_ACCEPTANCE_GEOCODE, EXTN_ORIG_ORDER_LINE_KEY, EXTN_ORIG_PRIME_LINE_NO, EXTN_ORIG_SUB_LINE_NO, EXTN_PAYPAL_SHIP_ADDR_STATUS, EXTN_PLAN_TYP_VAL, EXTN_PRICE_OVERRIDDEN_FLAG, EXTN_PRICEOVERRIDE_REASON_CODE, EXTN_PRICEOVERRIDE_REASON_TEXT, EXTN_PRICEOVERRIDE_USERID, EXTN_PROMO_CODE_FIVE, EXTN_PROMO_CODE_FIVE_DESC, EXTN_PROMO_CODE_FOUR, EXTN_PROMO_CODE_FOUR_DESC, EXTN_PROMO_CODE_ONE, EXTN_PROMO_CODE_ONE_DESC, EXTN_PROMO_CODE_THREE, EXTN_PROMO_CODE_THREE_DESC, EXTN_PROMO_CODE_TWO, EXTN_PROMO_CODE_TWO_DESC, EXTN_PROMO_REF_TXT, EXTN_PROMOTION_IDS, EXTN_PSEUDO_SKU, EXTN_PSEUDO_SKU_DESCRIPTION, EXTN_REAL_PROP_FLG, EXTN_REPOSTLINE_FLAG, EXTN_REPRICE_EXCLUSION_QTY, EXTN_REPRICE_ITEM_FL AG, EXTN_RESELLABLE_FLAG, EXTN_RESHIPPED_FLAG, EXTN_RESIDENTIAL_COMMER_FLAG, EXTN_RESTOCK_FEE, |

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| | EXTN_RLTD_ACCSORY_OPT_OUT, EXTN_ROS_INITIAL_STATE, EXTN_ROS_ORDER_ID, EXTN_ROS_PICKUP_REASON_CODE, EXTN_ROS_SEQUENCE_ID, EXTN_ROS_UPDATE_TS, EXTN_SHIP_TO_FNAME, EXTN_SHIP_TO_PHONE, EXTN_SHIP_TO_LNAME, EXTN_SHIPFROM_GEO_CODE, EXTN_SHIPMENT_ADDON_FLAG, EXTN_SHIPPING_GROUP_ID, EXTN_SHIPPING_OVERRIDDEN_FLAG, EXTN_SHIPTO_GEO_CODE, EXTN_SHPG_DT_TYP_VAL, EXTN_SLLR_ID, EXTN_SPECIAL_ORDER_FLAG, EXTN_STOR_ALRT_TRIG_VAL, EXTN_SUBCATEGORY, EXTN_SUBSCPN_SKU, EXTN_TOTALRESHIPPED_AMOUNT, EXTN_TRACKING_FLAG, EXTN_VNDR_ORD_ID, EXTN_VNDR_ORD_LN_ID, FILL_QUANTITY, FIXED_CAPACITY_QTY_PER_LINE, FIXED_PRICING_QTY_PER_LINE, FOB, EXTN_FULFILL_BY_DT, EXTN_FLFLMNT_BGN_EXPC_ARVL_DT, EXTN_FLFLMNT_END_EXPC_ARVL_DT, FULFILLMENT_TYPE, FUTURE_AVAIL_DATE, GIFT_FLAG, HARMONIZED_CODE, HOLD_FLAG, HOLD_REASON_CODE, IMPORT_LICENSE_EXP_DATE, IMPORT_LICENSE_NO, EXTN_INSTLMT_BILL_FLG, IN_STORE_PAYMENT_REQUIRED, INTENTIONAL_BACKORDER, INVOICE_BASED_ON_ACTUALS, INVOICE_COMPLETE, INVOICED_EXTENDED_PRICE, INVOICED_LINE_TOTAL, INVOICED_PRICING_QUANTITY, INVOICED_QUANTITY, IS_CAPACITY_OVERRIDDEN, IS_COST_OVERRIDDEN, IS_FIRM_PREDEFINED_NODE, IS_FORWARDING_ALLOWED, IS_GIFT_WRAP, EXTN_IS_KNOWN_BO_FLG, IS_PICK_UP_NOW, EXTN_IS_POSTPAID_FLG, IS_PRICE_INFO_ONLY, IS_PRICE_LOCKED, IS_PRICE_MATCHED, IS_PROCUREMENT_ALLOWED, IS_STANDALONE_SERVICE, ISBN, ITEM_DESCRIPTION, ITEM_GROUP_CODE, ITEM_ID, ITEM_IS_IN_HAND, ITEM_NOT_EXIST, ITEM_SHORT_DESCRIPTION, ITEM_WEIGHT, ITEM_WEIGHT_UOM, KIT_CODE, LEVEL_OF_SERVICE, LINE_SEQ_NO, LINE_TOTAL, LINE_TYPE, LIST_PRICE, LOCKID, MAINTAIN_RATIO, MANUFACTURER_ITEM, MANUFACTURER_ITEM_DESC, MANUFACTURER_NAME, MARK_FOR_KEY, MERGE_NODE, MIN_SHIP_BY_DATE, MODIFYPROGID, MODIFYTS, MODIFYUSERID, NMFC_CLASS, NMFC_CODE, NMFC_DESCRIPTION, OPTION_CAPACITY_REQUIRED, ORDER_CLASS, ORDER_HEADER_KEY, ORDERED_QTY, ORD ERING_UOM, ORIG_ORDER_LINE_KEY, EXTN_ORIG_BEG_ARVL_DT, EXTN_ORIG_CUST_PROMISE_DT, EXTN_ORIG_END_ARVL_DT, ORIGINAL_ORDERED_QTY, OTHER_CHARGES, OVER_RECEIPT_QUANTITY, PACKLIST_TYPE, PARENT_OF_DEPENDENT_GROUP, EXTN_PRTL_PAY_FLG, PERSONALIZE_CODE, PERSONALIZE_FLAG, PICKABLE_FLAG, EXTN_PICKUP_TYPE_VAL, PIPELINE_KEY, EXTN_PRE_ORDER_FLAG, PRICING_DATE, PRICING_QUANTITY, PRICING_QUANTITY_CONV_FACTOR, PRICING_QUANTITY_STRATEGY, PRICING_UOM, PRIME_LINE_NO, PROCURE_FROM_NODE, PRODUCT_CLASS, PRODUCT_LINE, PROMISED_APPT_END_DATE, PROMISED_APPT_START_DATE, PURPOSE, RESHIP_PARENT_LINE_KEY, RECEIVED_QUANTITY, RECEIVING_NODE, REPRICING_QUANTITY, REQ_CANCEL_DATE, REQ_DELIVERY_DATE, REQ_SHIP_DATE, RESERVATION_ID, EXTN_RSRVTN_ITEM_ID, RESERVATION_MANDATORY, RESERVATION_POOL, RETAIL_PRICE, RETURN_REASON, SCAC, SCHED_FAILURE_REASON_CODE, SCHEDULE_B_CODE, SEGMENT, SEGMENT_TYPE, SERIAL_NO, EXTN_CARR_SVC_LVL_VAL, SETTLED_AMOUNT, SETTLED_QUANTITY, SHIPNODE_KEY, SHIP_TO_ID, SHIP_TO_KEY, EXTN_SHIP_TO_LOC_ID, EXTN_SHIP_TO_LOC_NM, EXTN_SHIP_TO_LOC_TYPE, SHIP_TOGETHER_NO, SHIPMENT_CONSOL_GROUP_ID, SHIPPED_QUANTITY, EXTN_SIGNATURE_REQUIRED_FLAG, SOURCE_FROM_ORGANIZATION, SPLIT_QTY, EXTN_STREET_DATE, SUB_LINE_NO, SUPPLIER_CODE, SUPPLIER_ITEM, SUPPLIER_ITEM_DESCRIPTION, TAX, TAX_EXEMPTION_CERTIFICATE, TAX_PRODUCT_CODE, TAXABLE_FLAG, TIMEZONE, TRAN_DISCREPANCY_QTY, EXTN_TRAN_LINE_ID, UNIT_COST, UNIT_PRICE, UOM, UPC_CODE, WAIT_FOR_SEQ_LINE, ORDER_LINE_KEY) values (:1 , :2 , :3 , :4 , :5 , :6 , :7 , :8 , :9 , :10 , :11 , :12 , :13 , :14 , :15 , :16 , :17 , :18 , :19 , :20 , :21 , :22 , :23 , :24 , :25 , :26 , :27 , :28 , :29 , :30 , :31 , :32 , :33 , :34 , :35 , :36 , :37 , :38 , :39 , :40 , :41 , :42 , :43 , :44 , :45 , :46 , :47 , :48 , :49 , :50 , :51 , :52 , :53 , :54 , :55 , :56 , :57 , :58 , :59 , :60 , :61 , :62 , :63 , :64 , :65 , :66 , :67 , :68 , :69 , :70 , :71 , :72 , :73 , :74 , :75 , :76 , :77 , :78 , :79 , :80 , :81 , :82 , :83 , :84 , :85 , :86 , :87 , :88 , :89 , :90 , :91 , :92 , :93 , :94 , :95 , :96 , :97 , :98 , :99 , :100 , :101 , :102 , :103 , :104 , :105 , :106 , :107 , :108 , :109 , :110 , :111 , :112 , :113 , :114 , :115 , :116 , :117 , :118 , :119 , :120 , :121 , :122 , :123 , :124 , :125 , :126 , :127 , :128 , :129 , :130 , :131 , :132 , :133 , :134 , :135 , :136 , :137 , :138 , :139 , :140 , :141 , :142 , :143 , :144 , :145 , :146 , :147 , :148 , :149 , :150 , :151 , :152 , :153 , :154 , :155 , :156 , :157 , :158 , :159 , :160 , :161 , :162 , :163 , :164 , :165 , :166 , :167 , :168 , :169 , :170 , :171 , :172 , :173 , :174 , :175 , :176 , :177 , :178 , :179 , :180 , :181 , :182 , :183 , :184 , :185 , :186 , :187 , :188 , :189 , :190 , :191 , :192 , :193 , :194 , :195 , :196 , :197 , :198 , :199 , :200 , :201 , :202 , :203 , :204 , :205 , :206 , :207 , :208 , :209 , :210 , :211 , :212 , :213 , :214 , :215 , :216 , :217 , :218 , :219 , :220 , :221 , :222 , :223 , :224 , :225 , :226 , :227 , :228 , :229 , :230 , :231 , :232 , :233 , :234 , :235 , :236 , :237 , :238 , :239 , :240 , :241 , :242 , :243 , :244 , :245 , :246 , :247 , :248 , :249 , :250 , :251 , :252 , :253 , :254 , :255 , :256 , :257 , :258 , :259 , :260 , :261 , :262 , :263 , :264 , :265 , :266 , :267 , :268 , :269 , :270 , :271 , :272 , :273 , :274 , :275 , :276 , :277 , :278 , :279 , :280 , :281 , :282 , :283 , :284 , :285 , :286 , :287 , :288 , :289 , :290 , :291 , :292 , :293 , :294 , :295 , :296 , :297 , :298 , :299 ) |
| 465r8tnpwgsbr | SELECT /*YANTRA*/ YFS_ORDER_HEADER.* FROM YFS_ORDER_HEADER YFS_ORDER_HEADER WHERE ( ( ( YFS_ORDER_HEADER.ORDER_HEADER_KEY > :1 ) AND ( YFS_ORDER_HEADER.ENTERPRISE_KEY = :2 ) AND ( YFS_ORDER_HEADER.ORDER_DATE <= :3 ) ) ) AND EXISTS ( SELECT YFS_ORDER_LINE.ORDER_HEADER_KEY FROM YFS_ORDER_LINE WHERE ( ( ( ( YFS_ORDER_LINE.ORDERED_QTY > :4 ) AND ( YFS_ORDER_LINE.ITEM_ID = :5 ) AND ( YFS_ORDER_LINE.EXTN_PRE_ORDER_FLAG = :6 ) ) ) ) AND YFS_ORDER_HEADER.ORDER_HEADER_KEY = YFS_ORDER_LINE.ORDER_HEADER_KEY ) ORDER BY YFS_ORDER_HEADER.ORDER_HEADER_KEY |
| 49swc7fmry6r1 | SELECT /*YANTRA*/ YFS_PERSON_INFO.* FROM YFS_PERSON_INFO YFS_PERSON_INFO WHERE (YFS_PERSON_INFO.PERSON_INFO_KEY = :1 ) |
| 4nc1yfmtr258g | SELECT /*+ INDEX(sqlobj$ (name obj_type)) */ signature, category, plan_id FROM sqlobj$ WHERE name = :1 AND obj_type = :2 |
| 4w96tb2as5xv9 | SELECT /*YANTRA*/ YFS_LINE_CHARGES.* FROM YFS_LINE_CHARGES YFS_LINE_CHARGES WHERE HEADER_KEY = :1 AND RECORD_TYPE = :2 |
| 52x629rt3s9ux | SELECT /*YANTRA*/ YFS_ORDER_LINE_SCHEDULE.* FROM YFS_ORDER_LINE_SCHEDULE YFS_ORDER_LINE_SCHEDULE WHERE ORDER_HEADER_KEY = :1 ORDER BY ORDER_LINE_KEY |
| 5953uw2xanr37 | SELECT /*YANTRA*/ YFS_RES_POOL_CAPCTY_CONSMPTN.* FROM YFS_RES_POOL_CAPCTY_CONSMPTN YFS_RES_POOL_CAPCTY_CONSMPTN WHERE (YFS_RES_POOL_CAPCTY_CONSMPTN.RES_POOL_CAPCTY_CONSMPTN_KEY = :1 ) FOR UPDATE |
| 5bkcx7zfx2kz3 | SELECT /*YANTRA*/ EOMS_ORDER_LINE.* FROM EOMS_ORDER_LINE EOMS_ORDER_LINE WHERE EOMS_ORDER_LINE.ORDER_LINE_KEY= :1 |
| 69subccxd9b03 | SELECT signature, inuse_features, flags FROM sql$ WHERE signature = :1 |
| 7r14p9kchcdjk | INSERT /*YANTRA*/ INTO YFS_ORDER_RELEASE_STATUS(ORDER_RELEASE_STATUS_KEY, ORDER_RELEASE_KEY, ORDER_LINE_KEY, ORDER_HEADER_KEY, STATUS, STATUS_DATE, STATUS_QUANTITY, PIPELINE_KEY, ORDER_LINE_SCHEDULE_KEY, TOTAL_QUANTITY, EXPECTED_SHIPMENT_DATE, CHAINED_TO_ORDER_LINE_KEY, CHAINED_TO_ORDER_HEADER_KEY, CREATETS, MODIFYTS, CREATEUSERID, MODIFYUSERID, CREATEPROGID, MODIFYPROGID, LOCKID) values (:1 , :2 , :3 , :4 , :5 , :6 , :7 , :8 , :9 , :10 , :11 , :12 , :13 , :14 , :15 , :16 , :17 , :18 , :19 , :20 ) |
| 7tryzzqjc7n7v | INSERT /*YANTRA*/ INTO YFS_REPROCESS_ERROR(ERRORTXNID, SYSTEMNAME, APINAME, FLOW_NAME, SUB_FLOW_NAME, ERROR_REFERENCE, EXCEPTION_GROUP_NAME, EXCEPTIONID, EXCEPTIONGROUPID, QUEUEID, STOREFRONT, TXNNAME, ERRORSTRING, STATE, ERRORCODE, YANTRAMESSAGEID, UNIQUEKEY, PARENTTXNID, ERRORMESSAGE, MESSAGE, DESTINATIONCODE, CREATEUSERID, MODIFYUSERID, CREATEPROGID, MODIFYPROGID, CREATETS, MODIFYTS, LOCKID) values (:1 , :2 , :3 , :4 , :5 , :6 , :7 , :8 , :9 , :10 , :11 , :12 , :13 , :14 , :15 , :16 , :17 , :18 , :19 , :20 , :21 , :22 , :23 , :24 , :25 , :26 , :27 , :28 ) |
| 80g8aj3umx00x | SELECT /*YANTRA*/ YFS_ORDER_LINE_SRC_CNTRL.* FROM YFS_ORDER_LINE_SRC_CNTRL YFS_ORDER_LINE_SRC_CNTRL WHERE YFS_ORDER_LINE_SRC_CNTRL.ORDER_LINE_KEY= :1 |
| 80h68wwmrh2kf | SELECT /*YANTRA*/ YFS_REFERENCE_TABLE.* FROM YFS_REFERENCE_TABLE YFS_REFERENCE_TABLE WHERE TABLE_NAME = :1 AND TABLE_KEY IN ( SELECT ORDER_LINE_KEY FROM YFS_ORDER_LINE WHERE ORDER_HEADER_KEY = :2 ) |
| 80nz83v6vmn0t | SELECT /*YANTRA*/ YFS_HEADER_CHARGES.* FROM YFS_HEADER_CHARGES YFS_HEADER_CHARGES WHERE YFS_HEADER_CHARGES.HEADER_KEY= :1 AND YFS_HEADER_CHARGES.RECORD_TYPE= :2 |
| 8d9zcdz3j0b3w | SELECT obj_type, plan_id, description, creator, origin, created, last_modified, last_verified FROM sqlobj$auxdata WHERE signature = :1 AND category = :2 |
| 8pvr9fks6m1r9 | SELECT /*YANTRA*/ TO_CHAR(sysdate, :"SYS_B_0")|| TO_CHAR(SEQ_YFS_TABLE_KEY.NEXTVAL) from DUAL |
| 8x9gn0s1sv70m | SELECT /*YANTRA*/ EOMS_ALLOWANCE_DETAILS.* FROM EOMS_ALLOWANCE_DETAILS EOMS_ALLOWANCE_DETAILS WHERE ( ( ( EOMS_ALLOWANCE_DETAILS.ORDER_HEADER_KEY = :1 ) ) ) |
| 92yjj5ydx1gmk | WITH binds as<br>(select :dbid as dbid<br>, :inst_id_low as instIdLow<br>, :inst_id_high as instIdHigh<br>, :begin_snap as beginSnap<br>, :end_snap as endSnap<br>, :begin_time as beginTime<br>, :end_time as endTime<br>, :disk_begin_time as diskBeginTime<br>, :disk_end_time as diskEndTime |

```
                , :mem_begin_time       as memBeginTime
                , :mem_end_time         as memEndTime
                , :bucket_count         as bucketCount
                , :bucket_interval      as bucketInterval
                , :mem_enable           as memEnable
                , :disk_enable          as diskEnable
                , :disk_filte
r_ratio     as filterRatio,  :filter_action as filter_action,  :filter_blocking_session as filter_blocking_session,  :filter_capture_id as filter_capture_id,  :filter_client_id as
filter_client_id,  :filter_consumer_group_id as filter_consumer_group_id,  :filter_dbop as filter_dbop,  :filter_ecid as filter_ecid,  :filter_event as filter_event,
:filter_instance_number as filter_instance_number,  :filter_is_captured as filter_is_captured,  :filter_is_filtered_out as filter_is_filtered_out,  :filter_is_nc_background
as filter_is_nc_background,  :filter_is_replayed as filter_is_replayed,  :filter_machine as filter_machine,  :filter_machine_port as filter_machine_port,  :filter_module
as filter_module,  :filter_object as filter_object,  :filter_pdb as filter_pdb,  :filter_physical_session as filter_physical_session,  :filter_pl_sql as filter_pl_sql,
:filter_pl_sql_top as filter_pl_sql_top,  :filter_program as filter_program,  :filter_px_process as filter_px_process,  :filter_service_hash
as filter_service_hash,  :filter_session_type as filter_session_type,  :filter_sql_fms as filter_sql_fms,  :filter_sql_id_top as filter_sql_id_top,  :filter_sql_opcode as
filter_sql_opcode,  :filter_sql_opcode_top as filter_sql_opcode_top,  :filter_sql_rws as filter_sql_rws,  :filter_sql_rws_line as filter_sql_rws_line,  :filter_sqlid as
filter_sqlid,  :filter_sqlid_fullphv as filter_sqlid_fullphv,  :filter_sqlid_phv as filter_sqlid_phv,  :filter_user_id as filter_user_id,  :filter_wait_class as filter_wait_class,
:filter_xid as filter_xid from sys.dual)  ,  unified_ash as
            (SELECT a.sample_id
          , a.sample_time
          , a.session_id
          , a.session_serial#
          , a.session_type
          , a.session_state
          , a.flags
          , a.user_id
          , a.sql_id
          , a.sql_opcode
          , a.sql_opname
          , a.top_level_sql_id
          , a.top_level_sql_opcode
          , a.sql_child_number
          , a.sql_plan_hash_value
          , a.sql_full_plan_has
h_value
          , a.sql_plan_line_id
          , a.sql_plan_operation
          , a.sql_plan_options
          , a.sql_exec_id
          , a.force_matching_signature
          , a.plsql_entry_object_id
          , a.plsql_entry_subprogram_id
          , a.plsql_object_id
          , a.plsql_subprogram_id
          , a.service_hash
          , a.qc_session_id
          , a.qc_instance_id
          , a.qc_session_serial#
          , nvl(a.event,
              CASE WHEN bitand(a.time_model,  power(2, 19)) > 0
                   THEN 'CPU: IM Populate'
                   WHEN bitand(a.time_model,  power(2, 20)) > 0
                   THEN 'CPU: IM Prepopulate'
                   WHEN bitand(a.time_model,  power(2, 21)) > 0
                   THEN 'CPU: IM Repopulate'
                   WHEN bitand(a.time_model,  power(2, 22)) > 0
                   THEN 'CPU: IM Trickle Repop'
                   WHEN bitand(a.time_model,  power(2, 18)) > 0
                   THEN 'CPU: IM Query'
              ELSE 'CPU + Wait for
 CPU' END) as event
          , nvl(a.event_id,  1)
             as event_id
          , nvl(a.wait_class,  'CPU')
             as wait_class
          , nvl(a.wait_class_id,  9999)
             as wait_class_id
          , a.seq#
          , a.p1
          , a.p1text
          , a.p2
          , a.p2text
          , a.p3
          , a.p3text
          , a.wait_time
          , a.time_waited
          , rawtohex(a.xid) as xid
          , a.blocking_session
          , a.blocking_session_serial#
          , a.blocking_session_status
          , a.blocking_inst_id
          , a.current_obj#
          , a.current_file#
          , a.current_block#
          , a.top_level_call#
          , a.top_level_call_name
          , a.program
          , a.module
          , a.action
          , a.client_id
          , a.remote_instance#
          , a.ecid
          , a.consumer_group_id
          , a.machine
          , a.port
          , a.in_connection_mgmt
          , a.in_parse
          , a.in_hard_parse
```

```
      , a.in_s
ql_execution
      , a.in_plsql_execution
      , a.in_plsql_rpc
      , a.in_plsql_compilation
      , a.in_java_execution
      , a.in_bind
      , a.in_cursor_close
      , a.in_sequence_load
      , a.is_captured
      , a.is_replayed
      , a.dbreplay_file_id
      , a.dbop_name
      , a.con_dbid
            , decode(binds.diskEnable, 0, 1, binds.filterRatio) as sample_count
            , userenv('instance') AS instance_number
            FROM
            table(gv$(cursor(
               SELECT a.sample_id
      , a.sample_time
      , a.session_id
      , a.session_serial#
      , a.session_type
      , a.session_state
      , a.flags
      , a.user_id
      , a.sql_id
      , a.sql_opcode
      , a.sql_opname
      , a.top_level_sql_id
      , a.top_level_sql_opcode
      , a.sql_child_number
      , a.sql_plan_hash_value
      , a.sql_full_plan_hash_value
      , a.sql_plan_line_id
      ,
a.sql_plan_operation
      , a.sql_plan_options
      , a.sql_exec_id
      , a.force_matching_signature
      , a.plsql_entry_object_id
      , a.plsql_entry_subprogram_id
      , a.plsql_object_id
      , a.plsql_subprogram_id
      , a.service_hash
      , a.qc_session_id
      , a.qc_instance_id
      , a.qc_session_serial#
      , nvl(a.event,
         CASE WHEN bitand(a.time_model,  power(2, 19)) > 0
              THEN 'CPU: IM Populate'
              WHEN bitand(a.time_model,  power(2, 20)) > 0
              THEN 'CPU: IM Prepopulate'
              WHEN bitand(a.time_model,  power(2, 21)) > 0
              THEN 'CPU: IM Repopulate'
              WHEN bitand(a.time_model,  power(2, 22)) > 0
              THEN 'CPU: IM Trickle Repop'
              WHEN bitand(a.time_model,  power(2, 18)) > 0
              THEN 'CPU: IM Query'
         ELSE 'CPU + Wait for CPU' END) as event
      , nvl(a.event_id,
1)
       as event_id
      , nvl(a.wait_class,  'CPU')
       as wait_class
      , nvl(a.wait_class_id,  9999)
       as wait_class_id
      , a.seq#
      , a.p1
      , a.p1text
      , a.p2
      , a.p2text
      , a.p3
      , a.p3text
      , a.wait_time
      , a.time_waited
      , rawtohex(a.xid) as xid
      , a.blocking_session
      , a.blocking_session_serial#
      , a.blocking_session_status
      , a.blocking_inst_id
      , a.current_obj#
      , a.current_file#
      , a.current_block#
      , a.top_level_call#
      , a.top_level_call_name
      , a.program
      , a.module
      , a.action
      , a.client_id
      , a.remote_instance#
      , a.ecid
      , a.consumer_group_id
      , a.machine
      , a.port
      , a.in_connection_mgmt
      , a.in_parse
```

```
                  ,  a.in_hard_parse
                  ,  a.in_sql_execution
                  ,  a.in_plsql_execution

                 ,  a.in_plsql_rpc
                  ,  a.in_plsql_compilation
                  ,  a.in_java_execution
                  ,  a.in_bind
                  ,  a.in_cursor_close
                  ,  a.in_sequence_load
                  ,  a.is_captured
                  ,  a.is_replayed
                  ,  a.dbreplay_file_id
                  ,  a.dbop_name
                  ,  a.con_dbid,  a.is_awr_sample
                             ,  a.TIME_MODEL
                             ,  userenv('instance') inst_id
                        FROM v$active_session_history a
                        ))) a
                     ,  binds
                     WHERE binds.memEnable = 1
                     AND (  binds.diskEnable = 0
                          OR (  binds.diskEnable = 1
                           AND a.is_awr_sample = 'Y'
                           AND bitand(a.flags,  128) = 0 ) )
                     AND a.inst_id between
                           binds.instIdLow
                        and binds.instIdHigh
                     AND a.sample_time between
                           binds.beginTime
                       and binds.endTime

                  UNION ALL
                      SELECT a.sample_id
                  ,  a.sample_time
                  ,  a.session_id
                  ,  a.session_serial#
                  ,  a.session_type
                  ,  a.session_state
                  ,  a.flags
                  ,  a.user_id
                  ,  a.sql_id
                  ,  a.sql_opcode
                  ,  a.sql_opname
                  ,  a.top_level_sql_id
                  ,  a.top_level_sql_opcode
                  ,  a.sql_child_number
                  ,  a.sql_plan_hash_value
                  ,  a.sql_full_plan_hash_value
                  ,  a.sql_plan_line_id
                  ,  a.sql_plan_operation
                  ,  a.sql_plan_options
                  ,  a.sql_exec_id
                  ,  a.force_matching_signature
                  ,  a.plsql_entry_object_id
                  ,  a.plsql_entry_subprogram_id
                  ,  a.plsql_object_id
                  ,  a.plsql_subprogram_id
                  ,  a.service_hash
                  ,  a.qc_session_id
                  ,  a.qc_instance_id
                  ,  a.qc_session_serial#
                  ,  nvl(a.event,
                      CASE WHEN bitand(a.time_model,  power(2, 19)) > 0
                           THEN 'CPU: IM Populate'
                           WHEN bitan
d(a.time_model,  power(2, 20)) > 0
                           THEN 'CPU: IM Prepopulate'
                           WHEN bitand(a.time_model,  power(2, 21)) > 0
                           THEN 'CPU: IM Repopulate'
                           WHEN bitand(a.time_model,  power(2, 22)) > 0
                           THEN 'CPU: IM Trickle Repop'
                           WHEN bitand(a.time_model,  power(2, 18)) > 0
                           THEN 'CPU: IM Query'
                      ELSE 'CPU + Wait for CPU' END) as event
                  ,  nvl(a.event_id,  1)
                    as event_id
                  ,  nvl(a.wait_class,  'CPU')
                    as wait_class
                  ,  nvl(a.wait_class_id,  9999)
                    as wait_class_id
                  ,  a.seq#
                  ,  a.p1
                  ,  a.p1text
                  ,  a.p2
                  ,  a.p2text
                  ,  a.p3
                  ,  a.p3text
                  ,  a.wait_time
                  ,  a.time_waited
                  ,  rawtohex(a.xid) as xid
                  ,  a.blocking_session
                  ,  a.blocking_session_serial#
                  ,  a.blocking_session_status
                  ,  a.blocking_inst_id

                 ,  a.current_obj#
```

```
      ,  a.current_file#
      ,  a.current_block#
      ,  a.top_level_call#
      ,  a.top_level_call_name
      ,  a.program
      ,  a.module
      ,  a.action
      ,  a.client_id
      ,  a.remote_instance#
      ,  a.ecid
      ,  a.consumer_group_id
      ,  a.machine
      ,  a.port
      ,  a.in_connection_mgmt
      ,  a.in_parse
      ,  a.in_hard_parse
      ,  a.in_sql_execution
      ,  a.in_plsql_execution
      ,  a.in_plsql_rpc
      ,  a.in_plsql_compilation
      ,  a.in_java_execution
      ,  a.in_bind
      ,  a.in_cursor_close
      ,  a.in_sequence_load
      ,  a.is_captured
      ,  a.is_replayed
      ,  a.dbreplay_file_id
      ,  a.dbop_name
      ,  a.con_dbid,  binds.filterRatio as sample_count
               ,  instance_number   as instance_number
            FROM AWR_ROOT_active_sess_history a,
               binds
            WHERE binds.diskEnable = 1

  AND a.dbid = binds.dbid
            AND a.instance_number between
                  binds.instIdLow
               and binds.instIdHigh
            AND a.snap_id between
                  binds.beginSnap
               and binds.endSnap + 1
            AND a.sample_time between
                  binds.beginTime
               and binds.endTime
         ),  logical_ash as
         (select sample_id
               ,  sample_time
               ,  sample_count
               ,  instance_number as inst_id,  wait_class as global_hist_wc, event as event, instance_number || ':' || session_id || ', ' || session_serial# as
physical_session, sql_id as sqlid, wait_class as wait_class,  xid as xid,  instance_number as instance_number,  user_id as user_id,  program as program from
unified_ash) ,  bucketized_ash as
        (SELECT ash0.*,
            (case when binds.bucketCount > 1

          then trunc( ( (24 * 60 * 60 *
                        extract(day from sample_time
                              - binds.beginTime))
                     + (60 * 60 *
                        extract(hour from sample_time
                              - binds.beginTime))
                     + (60 *
                        extract(minute from sample_time
                              - binds.beginTime))
                     + (1 *
                        extract(second from sample_time
                              - binds.beginTime))
                      ) / binds.bucketInterval
                    ) + 1
               else 1
             end) as bucket_number
          FROM logical_ash ash0,  binds
),  filter_xml as
       (SELECT xmlconcat(xmlelement("filters" )
       ,  xmlelement("report_time", xmlattributes(
          to_char(o.begintime,  'HH24:MI:SS MM/DD/YYYY') as "begin_time",
          to_char(o.endtime,  'HH24:MI:SS MM/DD/YYYY') as "end_time"))) as xml_frag FROM
   (select binds.*,  nvl(to_number(filter_pdb), 0) as con_dbid from binds) o) ,  filtered_ash as
         (SELECT ash.*,
               (case when 1=1  then 1 else 0 end) filtered
            FROM bucketized_ash ash,  binds),  grouped_ash as
            (SELECT ash.*,   (CASE WHEN nvl(filtered,  2) = 1
                        THEN 0  -- target / no histogram
                        ELSE 1  -- totals/global
                     END) AS bucket_type  FROM (SELECT filtered,  event, physical_session, sqlid, wait_class, bucket_number      ,  grouping_id(filtered,  event,
physical_session,
sqlid, wait_class, bucket_number) as gid , global_hist_wc  , max(inst_id)           as inst_id
                     , sum(sample_count)       as sample_count
                     , count(distinct sqlid)   as uniq_sqlids
                     , count(distinct xid)     as uniq_xids
                     , count(distinct physical_session)
                                 as uniq_sessions
                     , count(distinct instance_number)
                                 as uniq_instances, max(user_id) as user_id, max(program) as program from  filtered_ash
               group by  grouping sets(  (bucket_number,  global_hist_wc) ,  ( bucket_number,  wait_class,  filtered),  (wait_class,  filtered),  (sqlid,  wait_class,
filtered),  (physical_session,  wait_class,  filtered),  (wait_class,  event,  filtered)) ) ash  -- eliminate rows with filtered = 0
               -- keep filtered and from
global/total
```

```
  WHERE (nvl(filtered,  2) != 0)),  component_1_treemap as
(select dim_val
     , inst_id

     , sample_count
     , num_mem
     , mem_rank
     , uniq_sqlids
     , uniq_xids
     , uniq_sessions
     , uniq_instances
     , 0 AS bucket_type --target(not global)/filtered bucket


  from (select max(case when mem_rank <= 13
                then dim_val
                else null
           end)                 as dim_val
     , sum(sample_count)          as sample_count
     , count(*)                   as num_mem
     , max(case w
hen mem_rank <= 13
                then mem_rank
                else (13 + 1)
           end)                 as mem_rank
     , max(case when mem_rank <= 13
                then uniq_sqlids
                else 0
           end)                 as uniq_sqlids
     , max(case when mem_rank <= 13
                then uniq_xids
                else 0
           end)                 as uniq_xids
     , max(case when mem_rank <= 13
                then uniq_sessions
                else 0
           end)                 as uniq_sessions
     , max(case when mem_rank <= 13
                then uniq_instances

     else 0
                end)                 as uniq_instances
     , max(inst_id)               as inst_id


  from (select wait_class as dim_val
             , sample_count
             , dense_rank() over
               (order by sample_count desc
                       , wait_class) as mem_rank
             , uniq_sqlids
             , uniq_xids
             , uniq_sessions
             , uniq_instances
             , inst_id


          from grouped_ash
         where gid = 29
           and wait_class is not null)
  group by (case when
 mem_rank <= 13
                then dim_val
                else null
           end)

) left   ) ,  component_1_histogram as
(select bucket_number
     , sum(sample_count)          as sample_count
     , max(case when mem_rank <= 13
                then mem_rank
                when mem_rank is not null
                then (13 + 1)
           end)                 as mem_rank
     , bucket_type

  from (select g1.bucket_number
             , g1.sample_count       as sample_count
             , (case when g1.wait_class = g2.dim_val

                     then to_char(g2.
dim_val)
                     -- global/totals
                     when g1.bucket_type = 1
                     then g1.global_hist_wc
                     else null
                end)              as dim_val
             , (case when g1.wait_class = g2.dim_val

                     then g2.mem_rank
                     when g1.bucket_type = 1 then NULL
                     else (13 + 1)
                end)              as mem_rank
             ,  g1.bucket_type

          from grouped_ash g1,
               component_1_treemap g2
```

```
                    where -- both filtered and global
                        (g1.gid = 28  AND

            g1.wait_class is not null OR
                          g1.bucket_type = 1)
                      and g1.wait_class = g2.dim_val(+)

                      -- join filtered rows only
                      and g1.bucket_type = g2.bucket_type(+)
                     )
                group by bucket_number
                      , dim_val

                      , bucket_type
                 ) ,  component_1_xml as
                (select xmlelement("item"
                      , xmlattributes('wait_class' as "id"
                                , topmems.cnt_all as "count"
                                , topmems.num_mem as "num_mem"
                                , topmems.num_others as "num_others")             , xmlconcat(
                       topmems.topmems_frag
                      , hist
ogram.histogram_xml)) as dim_frag from (select xmlelement(
                       "top_mems"
                      , xmlattributes(sum(case when mem_rank <= 13
                                          then sample_count
                                          else 0
                                     end) as "count")
                        , xmlagg(xmlelement(
                                  "mem"
                                , xmlattributes(mem_rank          as "id"
                                              , dim_val           as "name"

                                              , sample_count      as "count"
                                              , uniq_sqlids       as "uniq_sqlids"
                                              , uniq_xids         as
"uniq_xids"
                                              , uniq_sessions     as "uniq_sessions"
                                              , uniq_instances    as "uniq_instances")

                                  )
                           order by sample_count desc))
                                    as topmems_frag
                      , sum(case when mem_rank <= 13
                                 then 1
                                 else 0
                            end)            as num_mem
                      , sum(sample_count)     as cnt_all
                      , max(case when mem_rank <= 13
                                 then 0
                                 else num_mem
                            end)            as num_others
                  from (component_1_treemap) t
                 ) t
opmems , (SELECT xmlagg(
                      xmlelement(
                       "histogram"
                      , xmlattributes(
                        (case when bucket_type = 1 then 'all'
                              else 'target'
                         end) AS "type"
                        , max(binds.bucketCount)    as "bucket_count"
                        , max(binds.bucketInterval) as "bucket_interval")
                      , xmlagg(bucket_xml
                               order by
                                 bucket_type,
                                 bucket_number asc)
                                )
                       ) as histogram_xml
                FROM (SELECT  bucket_type
                            , bucket_number
                            , xmlelement(
                              "bucket"

              , xmlattributes(bucket_number     as "number"
                                    , sum(sample_count) as "count")
                            , (case
                              when bucket_type = 0 then -- filtered rows
                                xmlelement(
                                 "top_mems"
                                , xmlattributes(
                                  sum(case when mem_rank <= 13
                                           then sample_count
                                           else 0
                                      end) as "count")
                                , xmlagg(
                                  xmlelement(
                                    "mem"
                                    , xmlattributes(
                                      mem_rank     as "id"

         , sample_count as "count"))
                                    order by mem_rank asc))
                               end)) as bucket_xml
                           FROM (component_1_histogram)
                           GROUP BY bucket_number,  bucket_type),  binds
                      GROUP by bucket_type) histogram ),  component_2_xml as
```

```
          (select xmlelement(
                  "item"
                , xmlattributes(
                    'sqlid, wait_class' as "item")
                  , xmlelement(
                     "top_mems"
                    , xmlagg(
                      xmlelement(
                        "mem"
                       , xmlattributes(
                         dim1_value            as "dim1_value"
                         , dim1_nummem          as "dim1_nummem"

                       , dim1_rank             as "dim1_rank"
                          , dim2_value           as "dim2_value"
                          , dim12_nummem         as "dim2_nummem"
                          , dim12_rank           as "dim2_rank"
                          , dim12_count          as "count"
                          , uniq_sqlids          as "uniq_sqlids"
                          , uniq_xids            as "uniq_xids"
                          , uniq_sessions        as "uniq_sessions"
                          , uniq_instances       as "uniq_instances"

                        )
                       , NVL2(sql_text1,
                            xmlelement("info"
                             ,
xmlattributes('dim1_name' as "type")
                                , sql_text1),  NULL)
                       , NVL2(NULL,
                            xmlelement("info"
                              , xmlattributes('dim2_name' as "type")
                              , NULL),  NULL)
                      )
                      order by dim1_rank, dim12_rank
                     )
                    )
                ) as dim_frag
             from
              (select  dim_data.*
                    , NVL((SELECT replace(substr(v.sql_text,  1,  100), CHR(0), '') as sql_text
            FROM sys.v_$sql v
            WHERE v.sql_id = dim_data.dim1_value

                AND rownum < 2 ), ( SELECT replace(sys.dbms_lob.substr(v.sql_text,  100,  1), CHR(0), '')
             as sql_text
            FROM AWR_ROOT_sqltext v,  binds b
            W
HERE v.dbid = b.dbid
              AND v.sql_id = dim_data.dim1_value

              AND rownum < 2)) as sql_text1

                  from (select
                          max(case when dim1_rank <= 10
                                then dim1_val
                                else null
                           end)                  as dim1_value
                        , max(case when dim1_rank <= 10
                                then dim2_val
                                else null
                           end)                  as dim2_value
                        , sum(dim12_count) as dim12_count
                        , max(case when dim1_rank <= 10
                                then uniq_sqlids
                                else 0
                           end)                  as uniq_sqlids
                        , max(c
ase when dim1_rank <= 10
                                then uniq_xids
                                else 0
                           end)                  as uniq_xids
                        , max(case when dim1_rank <= 10
                                then uniq_sessions
                                else 0
                           end)                  as uniq_sessions
                        , max(case when dim1_rank <= 10
                                then uniq_instances
                                else 0
                           end)                  as uniq_instances
                        , count(distinct dim1_val)      as dim1_nummem
                        , sum(dim12_nummem)           as dim12_nummem
                        , max(case when dim1_rank <= 10
                                then dim1_rank

  else (10 + 1)
                           end)                  as dim1_rank
                        , max(case when dim1_rank <= 10
                                then dim12_rank
                                else (10 + 1)
                           end)                  as dim12_rank
                        , max(inst_id)         as inst_id

                      from (select dim1_val
                              , max(case when dim12_rank <= 13
                                      then dim2_val
                                      else null
```

```
                                end)            as dim2_val
                              , dim1_count
                              , sum(dim12_count)      as dim12_count
                              , max(case when dim12_rank <= 13
                                     then uniq_sqlids

                                   else 0
                                    end)            as uniq_sqlids
                              , max(case when dim12_rank <= 13
                                     then uniq_xids
                                     else 0
                                    end)            as uniq_xids
                              , max(case when dim12_rank <= 13
                                     then uniq_sessions
                                     else 0
                                    end)            as uniq_sessions
                              , max(case when dim12_rank <= 13
                                     then uniq_instances
                                     else 0
                                    end)            as uniq_instances
                              , count(*) as dim12_nummem

                         , dense_rank() over
                                (order by dim1_count desc
                                       , dim1_val
                                ) as dim1_rank
                              , max(case when dim12_rank <= 13
                                     then dim12_rank
                                     else (13 + 1)
                                    end)            as dim12_rank
                              , max(inst_id)          as inst_id

                           from (select sqlid   as dim1_val
                                      , wait_class   as dim2_val
                                      , sample_count as dim12_count
                                      , dense_rank() over
                                        (partition by sqlid


                                             order by sample_count desc
                                                    , wait_class

                                        ) as dim12_rank
                                      , sum(sample_count) over
                                        (partition by sqlid

                                        ) as dim1_count
                                      , uniq_sqlids
                                      , uniq_xids
                                      , uniq_sessions
                                      , uniq_instances
                                      , inst_id

                                   from grouped_ash

where gid = 25
                                    and sqlid is not null
                                    and wait_class is not null )
                              group by dim1_val
                                     , dim1_count
                                     , (case when dim12_rank <= 13
                                          then dim2_val
                                          else null
                                        end)

                           )
                     group by (case when dim1_rank <= 10
                                    then dim1_val
                                    else null
                               end)
                             , (case when dim1_rank <= 10
                                    then dim2_val
                                    else null
                               end)

                           ) dim_data

                     ) t
                       ),  component_3_xml as
               (select xmlelement(
                          "item"
                        , xmlattributes(
                            'physical_session, wait_class' as "item")
                        , xmlelement(
                            "top_mems"
                          , xmlagg(
                              xmlelement(
                                "mem"
                              , xmlattributes(
                                  dim1_value             as "dim1_value"
                                , dim1_nummem            as "dim1_nummem"
                                , dim1_rank              as "dim1_rank"
                                , dim2_value             as "dim2_value"
                                , dim12_nummem           as "dim2_nummem"

                         , dim12_rank             as "dim2_rank"
                                , dim12_count            as "count"
```

```
                                , uniq_sqlids           as "uniq_sqlids"
                                , uniq_xids             as "uniq_xids"
                                , uniq_sessions         as "uniq_sessions"
                                , uniq_instances        as "uniq_instances"

                                )
                               , NVL2(NULL,
                                    xmlelement("info"
                                      , xmlattributes('dim1_name' as "type")
                                      , NULL),  NULL)
                               , NVL2(NULL,
                                    xmlelement("info"
                                      , xmlattributes('dim2_n
ame' as "type")
                                      , NULL),  NULL)
                               )
                              order by dim1_rank, dim12_rank
                             )
                            )
                        ) as dim_frag
                    from
                     (select  dim_data.*


                      from (select
                              max(case when dim1_rank <= 10
                                       then dim1_val
                                       else null
                                   end)                 as dim1_value
                            , max(case when dim1_rank <= 10
                                       then dim2_val
                                       else null
                                   end)                 as dim2_value
                            , sum(dim12_count) as dim12_count
                            , max(case
when dim1_rank <= 10
                                       then uniq_sqlids
                                       else 0
                                   end)                 as uniq_sqlids
                            , max(case when dim1_rank <= 10
                                       then uniq_xids
                                       else 0
                                   end)                 as uniq_xids
                            , max(case when dim1_rank <= 10
                                       then uniq_sessions
                                       else 0
                                   end)                 as uniq_sessions
                            , max(case when dim1_rank <= 10
                                       then uniq_instances
                                       else 0
                                   end)                 as uniq_instances
                            , count(distinct dim1_val)      as dim1_nu
mmem
                            , sum(dim12_nummem)             as dim12_nummem
                            , max(case when dim1_rank <= 10
                                       then dim1_rank
                                       else (10 + 1)
                                   end)                 as dim1_rank
                            , max(case when dim1_rank <= 10
                                       then dim12_rank
                                       else (10 + 1)
                                   end)                 as dim12_rank
                            , max(inst_id)          as inst_id

                          from (select dim1_val
                                     , max(case when dim12_rank <= 13
                                                then dim2_val
                                                else null
                                           end)         as dim2_val

                                , dim1_count
                                     , sum(dim12_count)      as dim12_count
                                     , max(case when dim12_rank <= 13
                                                then uniq_sqlids
                                                else 0
                                           end)         as uniq_sqlids
                                     , max(case when dim12_rank <= 13
                                                then uniq_xids
                                                else 0
                                           end)         as uniq_xids
                                     , max(case when dim12_rank <= 13
                                                then uniq_sessions
                                                else 0
                                           end)         as uniq_sessions
                                     , max(case when dim12_rank <= 13

                                   then uniq_instances
                                                else 0
                                           end)         as uniq_instances
                                     , count(*) as dim12_nummem
                                     , dense_rank() over
                                       (order by dim1_count desc
                                              , dim1_val
                                       ) as dim1_rank
                                     , max(case when dim12_rank <= 13
                                                then dim12_rank
                                                else (13 + 1)
```

```
                                    end)            as dim12_rank
                                  , max(inst_id)          as inst_id

                                from (select physical_session   as dim1_val
                                           , wait_class   as dim2_val

                                , sample_count as dim12_count
                                           , dense_rank() over
                                             (partition by physical_session

                                                 order by sample_count desc
                                                       , wait_class

                                             ) as dim12_rank
                                           , sum(sample_count) over
                                             (partition by physical_session

                                             ) as dim1_count
                                           , uniq_sqlids
                                           , uniq_xids
                                           , uniq
_sessions
                                           , uniq_instances
                                           , inst_id

                                       from grouped_ash
                                      where gid = 21
                                        and physical_session is not null
                                        and wait_class is not null )
                                group by dim1_val
                                       , dim1_count
                                       , (case when dim12_rank <= 13
                                            then dim2_val
                                            else null
                                          end)

                                )
                            group by (case when dim1_rank <= 10
                                        then dim1_val
                                        else null

                    end)
                                , (case when dim1_rank <= 10
                                      then dim2_val
                                      else null
                                    end)

                                ) dim_data
                              ) t
                            ),  component_4_xml as
                      (select xmlelement(
                                "item"
                              , xmlattributes(
                                  'wait_class, event' as "item")
                                , xmlelement(
                                    "top_mems"
                                  , xmlagg(
                                      xmlelement(
                                        "mem"
                                      , xmlattributes(
                                          dim1_value             as "dim1_value"
                                        , dim1_nummem            as "dim1_nummem"

                                , dim1_rank              as "dim1_rank"
                                        , dim2_value             as "dim2_value"
                                        , dim12_nummem           as "dim2_nummem"
                                        , dim12_rank             as "dim2_rank"
                                        , dim12_count            as "count"
                                        , uniq_sqlids            as "uniq_sqlids"
                                        , uniq_xids              as "uniq_xids"
                                        , uniq_sessions          as "uniq_sessions"
                                        , uniq_instances         as "uniq_instances"

                                      )
                                    , NVL2(NULL,
                                        xmlelement("info"
                                          , xmlattributes
('dim1_name' as "type")
                                          , NULL),  NULL)
                                    , NVL2(NULL,
                                        xmlelement("info"
                                          , xmlattributes('dim2_name' as "type")
                                          , NULL),  NULL)
                                  )
                                  order by dim1_rank, dim12_rank
                                )
                              )
                            ) as dim_frag
                          from
                           (select  dim_data.*


                            from (select
                                    max(case when dim1_rank <= 13
                                          then dim1_val
                                          else null
                                        end)                 as dim1_value
```

```
                        , max(case when dim1_rank <= 13

                         then dim2_val
                               else null
                           end)                 as dim2_value
                        , sum(dim12_count) as dim12_count
                        , max(case when dim1_rank <= 13
                               then uniq_sqlids
                               else 0
                           end)                 as uniq_sqlids
                        , max(case when dim1_rank <= 13
                               then uniq_xids
                               else 0
                           end)                 as uniq_xids
                        , max(case when dim1_rank <= 13
                               then uniq_sessions
                               else 0
                           end)                 as uniq_sessions
                        , max(case when dim
1_rank <= 13
                               then uniq_instances
                               else 0
                           end)                 as uniq_instances
                        , count(distinct dim1_val)      as dim1_nummem
                        , sum(dim12_nummem)             as dim12_nummem
                        , max(case when dim1_rank <= 13
                               then dim1_rank
                               else (13 + 1)
                           end)                 as dim1_rank
                        , max(case when dim1_rank <= 13
                               then dim12_rank
                               else (13 + 1)
                           end)                 as dim12_rank
                        , max(inst_id)          as inst_id

                     from (select dim1_val

                   , max(case when dim12_rank <= 10
                                   then dim2_val
                                   else null
                               end)             as dim2_val
                            , dim1_count
                            , sum(dim12_count)      as dim12_count
                            , max(case when dim12_rank <= 10
                                   then uniq_sqlids
                                   else 0
                               end)             as uniq_sqlids
                            , max(case when dim12_rank <= 10
                                   then uniq_xids
                                   else 0
                               end)             as uniq_xids
                            , max(case when dim12_rank <= 10

           then uniq_sessions
                                   else 0
                               end)             as uniq_sessions
                            , max(case when dim12_rank <= 10
                                   then uniq_instances
                                   else 0
                               end)             as uniq_instances
                            , count(*) as dim12_nummem
                            , dense_rank() over
                              (order by dim1_count desc
                                     , dim1_val
                              ) as dim1_rank
                            , max(case when dim12_rank <= 10
                                   then dim12_rank
                                   else (10 + 1)
                               end)             as dim12_rank

                           , max(inst_id)          as inst_id

                        from (select wait_class   as dim1_val
                                   , event   as dim2_val
                                   , sample_count as dim12_count
                                   , dense_rank() over
                                     (partition by wait_class

                                          order by sample_count desc
                                                 , event

                                     ) as dim12_rank
                                   , sum(sample_count) over
                                     (partition by wait_class


                                     ) as dim1_count
                                   , uniq_sqlids
                                   , uniq_xids
                                   , uniq_sessions
                                   , uniq_instances
                                   , inst_id

                                from grouped_ash
                               where gid = 13
                                 and wait_class is not null
                                 and event is not null )
```

```
                        group by dim1_val
                              , dim1_count
                              , (case when dim12_rank <= 10
                                   then dim2_val
                                   else null
                                 end)


                          )
                      group by (case when dim1_rank <= 13
                                   then dim1_val
                                   else null
                                 end)
                              , (case when dim1_rank <= 13
                                   then dim2_val
                                   else null
                                 end)

                          ) dim_data
                        ) t
                       )select xmlconcat((select xml_frag from filter_xml),
                        xmlelement("dim_list",
                            xmlconcat((select dim_frag from component_1_xml), (select dim_frag from component_2_xml), (select dim_frag from component_3_xml),
(select dim_frag from component_4_xml)))
                      ) from sys.dual
```

9d42pycnz5jt1 SELECT /*YANTRA*/ YFS_TAX_BREAKUP.* FROM YFS_TAX_BREAKUP YFS_TAX_BREAKUP WHERE YFS_TAX_BREAKUP.HEADER_KEY= :1 AND YFS_TAX_BREAKUP.RECORD_TYPE= :2 AND YFS_TAX_BREAKUP.LINE_KEY=:"SYS_B_0"

9fn83rvnxj1br SELECT /*YANTRA*/ YFS_ITEM.* FROM YFS_ITEM YFS_ITEM WHERE ORGANIZATION_CODE = :1 AND ITEM_ID = :2 AND UOM = :3

9q3dyn8a8g3zx SELECT /*YANTRA*/ YFS_ORDER_LINE_OPTION.* FROM YFS_ORDER_LINE_OPTION YFS_ORDER_LINE_OPTION WHERE ORDER_HEADER_KEY = :1

9rpbk73xg36rd INSERT /*YANTRA*/ INTO YFS_ORDER_LINE(ORDER_LINE_KEY, ORDER_HEADER_KEY, PRIME_LINE_NO, SUB_LINE_NO, LINE_TYPE,
ORDER_CLASS, ITEM_ID, ALTERNATE_ITEM_ID, UOM, PRODUCT_CLASS, UNIT_PRICE, COST_CURRENCY, ORDERED_QTY,
BASIC_CAPACITY_REQUIRED, OPTION_CAPACITY_REQUIRED, DEPENDENT_ON_LINE_KEY, CURRENT_WORK_ORDER_KEY,
DEPENDENCY_SHIPPING_RULE, FILL_QUANTITY, COMMITTED_QUANTITY, DEPENDENCY_RATIO, MAINTAIN_RATIO, MERGE_NODE,
PARENT_OF_DEPENDENT_GROUP, SOURCE_FROM_ORGANIZATION, CHAINED_FROM_ORDER_LINE_KEY, CHAINED_FROM_ORDER_HEADER_KEY,
DERIVED_FROM_ORDER_LINE_KEY, DERIVED_FROM_ORDER_HEADER_KEY, DERIVED_FROM_ORDER_RELEASE_KEY, DISTRIBUTION_RULE_ID,
INVOICED_QUANTITY, OVER_RECEIPT_QUANTITY, RETURN_REASON, SHIPNODE_KEY, PROCURE_FROM_NODE, SHIP_TO_KEY, MARK_FOR_KEY,
BUYER_MARK_FOR_NODE_ID, REQ_DELIVERY_DATE, REQ_CANCEL_DATE, REQ_SHIP_DATE, SCAC, CARRIER_SERVICE_COD
E, CARRIER_ACCOUNT_NO, PICKABLE_FLAG, SHIP_TOGETHER_NO, HOLD_FLAG, KIT_CODE, HOLD_REASON_CODE, OTHER_CHARGES,
LINE_TOTAL, INVOICED_LINE_TOTAL, INVOICED_EXTENDED_PRICE, SETTLED_QUANTITY, SETTLED_AMOUNT, TAXABLE_FLAG,
TAX_EXEMPTION_CERTIFICATE, DISCOUNT_TYPE, DISCOUNT_REFERENCE, GIFT_FLAG, PERSONALIZE_FLAG, PERSONALIZE_CODE,
DEPARTMENT_CODE, CUSTOMER_ITEM, CUSTOMER_ITEM_DESCRIPTION, ITEM_WEIGHT, ITEM_WEIGHT_UOM, ITEM_DESCRIPTION,
ITEM_SHORT_DESCRIPTION, RESERVATION_ID, RESERVATION_POOL, CUSTOMER_PO_NO, CUSTOMER_PO_LINE_NO, TAX, DELIVERY_CODE,
ORIGINAL_ORDERED_QTY, LIST_PRICE, RETAIL_PRICE, DISCOUNT_PERCENTAGE, PACKLIST_TYPE, SUPPLIER_ITEM,
SUPPLIER_ITEM_DESCRIPTION, UNIT_COST, UPC_CODE, FOB, MANUFACTURER_NAME, MANUFACTURER_ITEM, MANUFACTURER_ITEM_DESC,
COUNTRY_OF_ORIGIN, ISBN, HARMONIZED_CODE, SHIP_TO_ID, PRODUCT_LINE, NMFC_CODE, NMFC_CLASS, NMFC_DESCRIPTION,
TAX_PRODUCT_CODE, IMPORT_LICENSE_NO, IMPORT_LICENSE_EXP_DATE, ECCN_NO, SCHEDULE_B_CODE, SUPPLIER_CODE, PURPOSE,
RECEIVING_NODE, BU
YER_RECEIVING_NODE_ID, SHIPMENT_CONSOL_GROUP_ID, ORIG_ORDER_LINE_KEY, LINE_SEQ_NO, SPLIT_QTY, PRICING_DATE, PIPELINE_KEY,
CONDITION_VARIABLE_1, CONDITION_VARIABLE_2, IS_PRICE_LOCKED, IS_COST_OVERRIDDEN, IS_CAPACITY_OVERRIDDEN, INVOICE_COMPLETE,
DELIVERY_METHOD, ITEM_GROUP_CODE, CANNOT_COMPLETE_BEFORE_DATE, CANNOT_COMPLETE_AFTER_DATE, APPT_STATUS,
CAN_ADD_SERVICE_LINES, PRICING_UOM, CAPACITY_UOM, PRICING_QUANTITY, SHIPPED_QUANTITY, FIXED_CAPACITY_QTY_PER_LINE,
FIXED_PRICING_QTY_PER_LINE, WAIT_FOR_SEQ_LINE, SCHED_FAILURE_REASON_CODE, EARLIEST_SHIP_DATE, EARLIEST_DELIVERY_DATE,
CANNOT_MEET_APPT, PROMISED_APPT_START_DATE, PROMISED_APPT_END_DATE, SEGMENT, SEGMENT_TYPE, EARLIEST_SCHEDULE_DATE,
TIMEZONE, IS_FORWARDING_ALLOWED, IS_PROCUREMENT_ALLOWED, RESHIP_PARENT_LINE_KEY, BUNDLE_PARENT_ORDER_LINE_KEY,
IS_PRICE_INFO_ONLY, LEVEL_OF_SERVICE, FIRST_ITER_SEQ_NO, LAST_ITER_SEQ_NO, CREATETS, MODIFYTS, CREATEUSERID, MODIFYUSERID,
CREATEPROGID, MODIFYPROGID, LOCKID, ORDERING_UOM, PRICING_QUANTITY_CO
NV_FACTOR, PRICING_QUANTITY_STRATEGY, INVOICED_PRICING_QUANTITY, IS_STANDALONE_SERVICE, TRAN_DISCREPANCY_QTY,
RECEIVED_QUANTITY, INVOICE_BASED_ON_ACTUALS, ACTUAL_PRICING_QUANTITY, FULFILLMENT_TYPE, SERIAL_NO, RESERVATION_MANDATORY,
IS_FIRM_PREDEFINED_NODE, INTENTIONAL_BACKORDER, FUTURE_AVAIL_DATE, REPRICING_QUANTITY, MIN_SHIP_BY_DATE, KIT_QTY,
BOM_CONFIG_KEY, BUNDLE_FULFILLMENT_MODE, IS_GIFT_WRAP, GROUP_SEQUENCE_NUM, IN_STORE_PAYMENT_REQUIRED, ITEM_NOT_EXIST,
DERIVED_FROM_EXT_ORD, IS_ELIGIBLE_FOR_SHIP_DISC, BACKORDER_NOTIFICATION_QTY, IS_PRICE_MATCHED, IS_PICK_UP_NOW,
ITEM_IS_IN_HAND, DISPOSITION_CODE, EXTN_CAPTURE_IMEI, EXTN_CAPTURE_SERIALNO, EXTN_IS_PAID_MEMBERSHIP_SKU,
EXTN_ITEM_CAME_BACK, EXTN_IS_DAMAGED, EXTN_TRUCK_CHECK_IN_FLAG, EXTN_PRIORITY_PICK_FLAG, EXTN_QUOTE_DETAIL_ID,
EXTN_ORDERTIME_REGULAR_PRICE, EXTN_ORDERTIME_CURRENT_PRICE, EXTN_USE_PROPOSAL_PRICE, EXTN_SRCNG_SLCTD_CARR,
EXTN_NPCK_RSN_CDE, EXTN_EXTNL_APPT_ID, EXTN_ADVC_SRC_TXN_ID, EXTN_ITEM_RELSHP_TYPE, EXTN_SUBSCPN_SKU
, EXTN_DLR_RSRV_DT, EXTN_REAL_PROP_FLG, EXTN_PLAN_TYP_VAL, EXTN_PROMO_REF_TXT, EXTN_CARGO_OFFLN_FLG, EXTN_PRTL_PAY_FLG,
EXTN_TRAN_LINE_ID, EXTN_LATE_NIGHT_PKUP_FLG, EXTN_CARR_SVC_LVL_VAL, EXTN_RSRVTN_ITEM_ID, EXTN_SLLR_ID,
EXTN_CARR_SVC_GRP_VAL, EXTN_CARR_SVC_CDE_DESC, EXTN_OLD_CARR_SVC_CDE_VAL, EXTN_ASSOC_ORD_ID, EXTN_ASSOC_PRM_LN_NBR,
EXTN_CAT_SKU_ID, EXTN_CHG_TYP_VAL, EXTN_OFFLINE_PEND_CNCL_FLG, EXTN_ITEM_DTL_DESC, EXTN_BACKORDER_EMAILCOUNT,
EXTN_INSTOR_PKUP_CC_OVRD_FLG, EXTN_PRE_ORDER_FLAG, EXTN_STREET_DATE, EXTN_ORIG_ORDER_LINE_KEY,
EXTN_ORIG_PRIME_LINE_NO, EXTN_ORIG_SUB_LINE_NO, EXTN_REPRICE_EXCLUSION_QTY, EXTN_TOTALRESHIPPED_AMOUNT,
EXTN_PSEUDO_SKU, EXTN_PSEUDO_SKU_DESCRIPTION, EXTN_INSTLMT_BILL_FLG, EXTN_RSTRCT_FLFLMNT_CHG_FLG,
EXTN_INSTLMT_BILL_PRC_AMT, EXTN_FORMAT, EXTN_PROMO_CODE_ONE, EXTN_PROMO_CODE_TWO, EXTN_PROMO_CODE_THREE,
EXTN_PROMO_CODE_FOUR, EXTN_PROMO_CODE_FIVE, EXTN_PROMO_CODE_ONE_DESC, EXTN_PROMO_CODE_TWO_DESC,
EXTN_PROMO_CODE_THREE_DESC, EXTN_PROMO_CODE_FOUR_DESC
, EXTN_PROMO_CODE_FIVE_DESC, EXTN_PROMOTION_IDS, EXTN_BEGIN_EXPECTED_SHIP_DATE, EXTN_END_EXPECTED_SHIP_DATE,
EXTN_SUBCATEGORY, EXTN_FREE_SHIPPING_FLAG, EXTN_TRACKING_FLAG, EXTN_INSURANCE_FLAG, EXTN_SIGNATURE_REQUIRED_FLAG,
EXTN_SHIPTO_GEO_CODE, EXTN_SHIPFROM_GEO_CODE, EXTN_IS_HAZMAT_FLAG, EXTN_IS_OVERSIZED_FLAG, EXTN_REPRICE_ITEM_FLAG,
EXTN_MIN_GEOCODE, EXTN_MIN_TAX_PERCENT, EXTN_RESIDENTIAL_COMMER_FLAG, EXTN_EXPECTED_SHIP_DATE,
EXTN_PRICEOVERRIDE_REASON_CODE, EXTN_PRICEOVERRIDE_REASON_TEXT, EXTN_PRICEOVERRIDE_USERID,
EXTN_ORDER_ACCEPTANCE_GEOCODE, EXTN_ITEM_TYPE, EXTN_MAX_ALLOWANCE, EXTN_IS_OVER_USPS_WT_FLAG,
EXTN_EXP_SHIP_DATE_EMAIL, EXTN_ROS_SEQUENCE_ID, EXTN_SHIPMENT_ADDON_FLAG, EXTN_AVAILABILITY_CODE,
EXTN_AVAILABILITY_MESSAGE, EXTN_SHIPPING_GROUP_ID, EXTN_MIN_SHIP_NODE, EXTN_REPOSTLINE_FLAG, EXTN_ENTERPRISE_LIABLE_FLAG,
EXTN_RESELLABLE_FLAG, EXTN_ROS_ORDER_ID, EXTN_ROS_UPDATE_TS, EXTN_ROS_PICKUP_REASON_CODE, EXTN_OLD_CUSTOMER_ITEM,
EXTN_RESTOCK_FEE, EXTN_EOMS_CLASS, EXTN_EOMS_DEP
ARTMENT, EXTN_ROS_INITIAL_STATE, EXTN_MIN_INVOICE_DATE, EXTN_DAYS_LEFT_TO_CANCEL, EXTN_RESHIPPED_FLAG,
EXTN_ESCALATION_PAGE_COUNT, EXTN_SPECIAL_ORDER_FLAG, EXTN_EXPEDITED_FLAG, EXTN_PRICE_OVERRIDDEN_FLAG,
EXTN_SHIPPING_OVERRIDDEN_FLAG, EXTN_ADDRESS_OVERRIDDEN_FLAG, EXTN_CHND_ORD_LN_SEQ_NBR, EXTN_SHIP_TO_PHONE,
EXTN_SHIP_TO_FNAME, EXTN_SHIP_TO_LNAME, EXTN_FRANKLIN_RELEASE_IND, EXTN_PAYPAL_SHIP_ADDR_STATUS, EXTN_MINOR_ORD_NBR,
EXTN_REAS_CDE, EXTN_VNDR_ORD_ID, EXTN_VNDR_ORD_LN_ID, EXTN_VNDR_QTY_MKT_PLC_NBR, EXTN_IS_POSTPAID_FLG,
EXTN_IS_CONN_DVCE, EXTN_IS_KNOWN_BO_FLG, EXTN_IS_AGNT_FLG, EXTN_IS_GIFT_RCPT_FLG, EXTN_IS_AGNT_GIFT_RCIPNT_FLG,
EXTN_IS_SDWS_DOWN_FLG, EXTN_BACK_ROOM_PKUP_FLG, EXTN_LBL_REPRNT_FLG, EXTN_IS_DNLD_NOW_FLG, EXTN_ITEM_AVL_CDE,
EXTN_CMRC_ITEM_ID, EXTN_DGTL_PROMO_DEPN_FLG, EXTN_GENRC_SKU_ID, EXTN_VNDR_ID, EXTN_DGTL_PROMO_CODE,
EXTN_EXTNL_ACCT_ID, EXTN_IS_DGTL_GIFT, EXTN_SHP_TO_CO_NM, EXTN_NOTE_ENTR_BY_OLS_FLG, EXTN_PACK_AT_STOR_FOR_SHP_FLG,

EXTN_ACKN_CARR_PKUP_FLG, EXTN_
EMP_DCNT_ALLOW_FLG, EXTN_SHPG_TYP_CDE, EXTN_LIFT_GATE_FLG, EXTN_PRE_DLVR_CALL_FLG, EXTN_HAUL_AWAY_FLG,
EXTN_MULT_FLR_FLG, EXTN_TWO_MAN_REQ_FLG, EXTN_IN_SIDE_DLVR_FLG, EXTN_RGHTTYP, EXTN_SERVICE_SERIAL_NO,
EXTN_ITEM_COND_CDE, EXTN_ITEM_CTLG_SRC_NM, EXTN_DEVICE_TYP, EXTN_SHPG_DT_TYP_VAL, EXTN_ORD_LN_PRTY_NBR,
EXTN_STOR_ALRT_TRIG_VAL, EXTN_VNDR_FLFLMNT_DELY_TS, EXTN_OLD_DS_ORD_LN_KEY, EXTN_RLTD_ACCSORY_OPT_OUT,
EXTN_IS_SIGN_VERIFIED, EXTN_MULTI_STOP_XFER_FLG, EXTN_XFER_NODE_CDE, EXTN_FLFLMNT_BGN_EXPC_ARVL_DT,
EXTN_FLFLMNT_END_EXPC_ARVL_DT, EXTN_ORIG_BEG_ARVL_DT, EXTN_ORIG_END_ARVL_DT, EXTN_AGE_TYP_VAL, EXTN_ADD_LN_FLG,
EXTN_RCOV_LN_FLG, EXTN_ADDR_INTERCEPT_FLG, EXTN_ADDR_INTERCEPT_REAS_DESC, EXTN_ORIG_CUST_PROMISE_DT,
EXTN_RESHP_OVRD_FLG, EXTN_CUST_DEVICE_SKU_ID, EXTN_CUST_DEVICE_SKU_ITEM_ID, EXTN_FULFILLMENT_OVRD_FLAG,
EXTN_CUST_RTN_REAS_CDE, EXTN_RTN_BY_DT, EXTN_FULFILL_BY_DT, EXTN_ORGN_CAP_ID, EXTN_AUTO_RNEW_FLG,
EXTN_BUNDLE_INSTANCE_ID, EXTN_SHIPOVERRIDE_REASON_TEXT, EXTN_ACT_SLS_UNIT
_PRICE, EXTN_UNIT_AMOUNT, EXTN_PICKUP_TYPE_VAL, EXTN_SHIP_TO_LOC_ID, EXTN_SHIP_TO_LOC_NM, EXTN_SHIP_TO_LOC_TYPE,
EXTN_DELAY_DT_TS, EXTN_GTI_REQ_FLG, EXTN_FRAUD_STATUS_CDE, EXTN_ALERT_TRIG_TS, EXTN_LOCKER_RESERVATION_ID,
EXTN_LOCKER_NUMBER) values (:1 , :2 , :3 , :4 , :5 , :6 , :7 , :8 , :9 , :10 , :11 , :12 , :13 , :14 , :15 , :16 , :17 , :18 , :19 , :20 , :21 , :22 , :23 , :24 , :25 , :26 , :27 ,
:28 , :29 , :30 , :31 , :32 , :33 , :34 , :35 , :36 , :37 , :38 , :39 , :40 , :41 , :42 , :43 , :44 , :45 , :46 , :47 , :48 , :49 , :50 , :51 , :52 , :53 , :54 , :55 , :56 , :57 , :58 , :59 ,
:60 , :61 , :62 , :63 , :64 , :65 , :66 , :67 , :68 , :69 , :70 , :71 , :72 , :73 , :74 , :75 , :76 , :77 , :78 , :79 , :80 , :81 , :82 , :83 , :84 , :85 , :86 , :87 , :88 , :89 , :90 , :91 ,
:92 , :93 , :94 , :95 , :96 , :97 , :98 , :99 , :100 , :101 , :102 , :103 , :104 , :105 , :106 , :107 , :108 , :109 , :110 , :111 , :112 , :113 , :114 , :115 , :116 , :117 , :118 , :119 ,
:120 , :121 , :122 , :123 ,
:124 , :125 , :126 , :127 , :128 , :129 , :130 , :131 , :132 , :133 , :134 , :135 , :136 , :137 , :138 , :139 , :140 , :141 , :142 , :143 , :144 , :145 , :146 , :147 , :148 , :149 ,
:150 , :151 , :152 , :153 , :154 , :155 , :156 , :157 , :158 , :159 , :160 , :161 , :162 , :163 , :164 , :165 , :166 , :167 , :168 , :169 , :170 , :171 , :172 , :173 , :174 , :175 ,
:176 , :177 , :178 , :179 , :180 , :181 , :182 , :183 , :184 , :185 , :186 , :187 , :188 , :189 , :190 , :191 , :192 , :193 , :194 , :195 , :196 , :197 , :198 , :199 , :200 , :201 ,
:202 , :203 , :204 , :205 , :206 , :207 , :208 , :209 , :210 , :211 , :212 , :213 , :214 , :215 , :216 , :217 , :218 , :219 , :220 , :221 , :222 , :223 , :224 , :225 , :226 , :227 ,
:228 , :229 , :230 , :231 , :232 , :233 , :234 , :235 , :236 , :237 , :238 , :239 , :240 , :241 , :242 , :243 , :244 , :245 , :246 , :247 , :248 , :249 , :250 , :251 , :252 , :253 ,
:254 , :255 , :256 , :257 , :258 , :259 , :260 , :261 , :262 , :263 , :264 , :265 , :266
, :267 , :268 , :269 , :270 , :271 , :272 , :273 , :274 , :275 , :276 , :277 , :278 , :279 , :280 , :281 , :282 , :283 , :284 , :285 , :286 , :287 , :288 , :289 , :290 , :291 , :292
, :293 , :294 , :295 , :296 , :297 , :298 , :299 , :300 , :301 , :302 , :303 , :304 , :305 , :306 , :307 , :308 , :309 , :310 , :311 , :312 , :313 , :314 , :315 , :316 , :317 , :318
, :319 , :320 , :321 , :322 , :323 , :324 , :325 , :326 , :327 , :328 , :329 , :330 , :331 , :332 , :333 , :334 , :335 , :336 , :337 , :338 , :339 , :340 , :341 , :342 , :343 , :344
, :345 , :346 , :347 , :348 , :349 , :350 , :351 , :352 , :353 , :354 , :355 , :356 , :357 , :358 , :359 , :360 , :361 , :362 , :363 , :364 , :365 , :366 , :367 , :368 , :369 , :370
, :371 , :372 , :373 , :374 , :375 , :376 , :377 , :378 , :379 , :380 , :381 , :382 , :383 , :384 , :385 , :386 , :387 , :388 )

**a2zgqbxrn6u8c**

```
SELECT  /*YANTRA*/    YFS_INBOX_AUDIT.* FROM YFS_INBOX_AUDIT YFS_INBOX_AUDIT     WHERE YFS_INBOX_AUDIT.INBOX_KEY=  :1
```

**acmvv4fhdc9zh**

```
select obj#, type#, ctime, mtime, stime,  status,  dataobj#,  flags,  oid$,  spare1,  spare2,  spare3,  signature,  spare7,  spare8,  spare9,  nvl(dflcollid,  16382),
creappid,  creverid,  modappid,  modverid,  crepatchid,  modpatchid from obj$ where owner#=:1 and name=:2 and namespace=:3 and remoteowner is null and
linkname is null and subname is null
```

**ahgqyy497mj2y**

```
MERGE /*+ INDEX(dest (signature category obj_type plan_id)) */              INTO sqlobj$auxdata dest                                  USING (SELECT :1
signature,  :2 category,  :3 obj_type,  :4 plan_id                  FROM dual) src                                  ON (dest.signature = src.signature AND
dest.category  = src.category  AND                  dest.obj_type  = src.obj_type  AND                  dest.plan_id   = src.plan_id)
WHEN MATCHED THEN                  UPDATE SET description = :5,                  creator = nvl(:6,  creator),
        origin = :7,                  version = :8,                  created = :9,
last_modified = :10,                  last_verified = :11,                  parse_cpu_time = NULL,
optimizer_cost = nvl(:12,  optimizer_cost),                  module = nvl(:13,  module),                  action = nvl(:14,  action),
priority = nvl(:15,  priority),                  optimizer_env = nvl(:16,  optimizer_env),                  bind_data = nvl(:17,  bind_data),
parsing_schema_name = nvl(:18,  pars
ing_schema_name),                  executions = nvl(:19,  executions),                  elapsed_time = nvl(:20,  elapsed_time),
cpu_time = nvl(:21,  cpu_time),                  buffer_gets = nvl(:22,  buffer_gets),                  disk_reads = nvl(:23,  disk_reads),
direct_writes = nvl(:24,  direct_writes),                  rows_processed = nvl(:25,  rows_processed),                  fetches = nvl(:26,  fetches),
end_of_fetch_count = nvl(:27,  end_of_fetch_count),                  task_id = nvl(:28,  task_id),                  task_exec_name = nvl(:29,
task_exec_name),                  task_obj_id = nvl(:30,  task_obj_id),
   task_fnd_id = nvl(:31,  task_fnd_id),                  task_rec_id = nvl(:32,  task_rec_id),                  flags = 0,
spare1 = null,                  spare2 = null,                  task_con_dbid = nvl(:33,  task_con_dbid)
WHEN NOT MATCHED THEN                  INSERT (signature,  category,  obj_type,  plan_id,                  description,  creator,
origin,  version,                  created,  last_modified,  last_verified,  parse_cpu_time,                  optimizer_cost,  module,  action,  priority,
optimizer_env,  bind_data,  parsing_schema_name,  executions,                  elapsed_time,  cpu_time,  buffer_ge
ts,  disk_reads,                  direct_writes,  rows_processed,  fetches,  end_of_fetch_count,                  task_id,  task_exec_name,  task_obj_id,  task_fnd_id,
task_rec_id,  flags,  spare1,  spare2,  task_con_dbid)                  VALUES (:34,  :35,  :36,  :37,                  :38,  :39,  :40,  :41,
:42,  :43,  null,  null,                  :44,  :45,  :46,  :47,                  :48,  :49,  :50,  :51,
:52,  :53,  :54,  :55,                  :56,  :57,  :58,  :59,                  :60,  :61,  :62,  :63,
:64,  0,  null,  null,  :65)
```

**atufy3z5hqjub**

```
update YFS_ORDER_LINE set ACTUAL_PRICING_QUANTITY=:1 ,  ALTERNATE_ITEM_ID=:2 ,  APPT_STATUS=:3 ,  BACKORDER_NOTIFICATION_QTY=:4 ,
BASIC_CAPACITY_REQUIRED=:5 ,  BOM_CONFIG_KEY=:6 ,  BUNDLE_FULFILLMENT_MODE=:7 ,  BUNDLE_PARENT_ORDER_LINE_KEY=:8 ,
BUYER_MARK_FOR_NODE_ID=:9 ,  BUYER_RECEIVING_NODE_ID=:10 ,  CAN_ADD_SERVICE_LINES=:11 ,  CANNOT_COMPLETE_AFTER_DATE=:12 ,
CANNOT_COMPLETE_BEFORE_DATE=:13 ,  CANNOT_MEET_APPT=:14 ,  EXTN_ORGN_CAP_ID=:15 ,  CAPACITY_UOM=:16 ,
CARRIER_ACCOUNT_NO=:17 ,  CARRIER_SERVICE_CODE=:18 ,  EXTN_CARR_SVC_CDE_DESC=:19 ,  EXTN_CARR_SVC_GRP_VAL=:20 ,
CHAINED_FROM_ORDER_HEADER_KEY=:21 ,  CHAINED_FROM_ORDER_LINE_KEY=:22 ,  COMMITTED_QUANTITY=:23 ,  CONDITION_VARIABLE_1=:24
,  CONDITION_VARIABLE_2=:25 ,  COST_CURRENCY=:26 ,  COUNTRY_OF_ORIGIN=:27 ,  CREATEPROGID=:28 ,  createts=:29 ,  CREATEUSERID=:30 ,
CURRENT_WORK_ORDER_KEY=
:31 ,  CUSTOMER_ITEM=:32 ,  CUSTOMER_PO_LINE_NO=:33 ,  CUSTOMER_PO_NO=:34 ,  DELIVERY_CODE=:35 ,  DELIVERY_METHOD=:36 ,
DEPARTMENT_CODE=:37 ,  DEPENDENCY_RATIO=:38 ,  DEPENDENCY_SHIPPING_RULE=:39 ,  DEPENDENT_ON_LINE_KEY=:40 ,
DERIVED_FROM_EXT_ORD=:41 ,  DERIVED_FROM_ORDER_HEADER_KEY=:42 ,  DERIVED_FROM_ORDER_LINE_KEY=:43 ,
DERIVED_FROM_ORDER_RELEASE_KEY=:44 ,  DISCOUNT_PERCENTAGE=:45 ,  DISCOUNT_REFERENCE=:46 ,  DISCOUNT_TYPE=:47 ,
DISPOSITION_CODE=:48 ,  DISTRIBUTION_RULE_ID=:49 ,  EARLIEST_DELIVERY_DATE=:50 ,  EARLIEST_SCHEDULE_DATE=:51 ,
EARLIEST_SHIP_DATE=:52 ,  ECCN_NO=:53 ,  EXTN_EXPECTED_SHIP_DATE=:54 ,  EXTN_EXPEDITED_FLAG=:55 ,  EXTN_EXTNL_APPT_ID=:56 ,
EXTN_ACKN_CARR_PKUP_FLG=:57 ,  EXTN_ADD_LN_FLG=:58 ,  EXTN_ADDR_INTERCEPT_FLG=:59 ,  EXTN_ADDR_INTERCEPT_REAS_DESC=:60 ,
EXTN_ADDRESS_OVERRIDDEN_FLAG=:61 ,  EXTN_AGE_TYP_VAL=:62 ,  EXTN_ASSOC_ORD_ID=:63 ,  EXTN_ASSOC_PRM_LN_NBR=:64 ,
EXTN_AUTO_RNEW_FLG=:65 ,  EXTN_AVAILABILITY_CODE=:66 ,  EXTN_AVAILABILITY_MESSAGE=:67
,  EXTN_AVL_OVRD_CDE=:68 ,  EXTN_BACK_ROOM_PKUP_FLG=:69 ,  EXTN_BACKORDER_EMAILCOUNT=:70 ,
EXTN_BEGIN_EXPECTED_SHIP_DATE=:71 ,  EXTN_BUNDLE_INSTANCE_ID=:72 ,  EXTN_CARGO_OFFLN_FLG=:73 ,  EXTN_CAT_SKU_ID=:74 ,
EXTN_CHG_TYP_VAL=:75 ,  EXTN_CHND_ORD_LN_SEQ_NBR=:76 ,  EXTN_CMRC_ITEM_ID=:77 ,  EXTN_CUST_DEVICE_SKU_ID=:78 ,
EXTN_CUST_DEVICE_SKU_ITEM_ID=:79 ,  EXTN_CUST_RTN_REAS_CDE=:80 ,  EXTN_DAYS_LEFT_TO_CANCEL=:81 ,  EXTN_DEVICE_TYP=:82 ,
EXTN_DGTL_PROMO_CODE=:83 ,  EXTN_DGTL_PROMO_DEPN_FLG=:84 ,  EXTN_DLR_RSRV_DT=:85 ,  EXTN_EMP_DCNT_ALLOW_FLG=:86 ,
EXTN_END_EXPECTED_SHIP_DATE=:87 ,  EXTN_ENTERPRISE_LIABLE_FLAG=:88 ,  EXTN_EOMS_CLASS=:89 ,  EXTN_EOMS_DEPARTMENT=:90 ,
EXTN_ESCALATION_PAGE_COUNT=:91 ,  EXTN_EXP_SHIP_DATE_EMAIL=:92 ,  EXTN_EXTNL_ACCT_ID=:93 ,  EXTN_FORMAT=:94 ,
EXTN_FRANKLIN_RELEASE_IND=:95 ,  EXTN_FULFILLMENT_OVRD_FLAG=:96 ,  EXTN_GENRC_SKU_ID=:97 ,  EXTN_HAUL_AWAY_FLG=:98 ,
EXTN_IN_SIDE_DLVR_FLG=:99 ,  EXTN_INSTLMT_BILL_FLG=:100 ,  EXTN_INSTLMT_BILL_PRC_AMT=:101 ,
 EXTN_INSTOR_PKUP_CC_OVRD_FLG=:102 ,  EXTN_IS_AGNT_FLG=:103 ,  EXTN_IS_AGNT_GIFT_RCIPNT_FLG=:104 ,  EXTN_IS_DGTL_GIFT=:105 ,
EXTN_IS_DNLD_NOW_FLG=:106 ,  EXTN_IS_GIFT_RCPT_FLG=:107 ,  EXTN_IS_SDWS_DOWN_FLG=:108 ,  EXTN_IS_SIGN_VERIFIED=:109 ,
EXTN_ITEM_AVL_CDE=:110 ,  EXTN_ITEM_COND_CDE=:111 ,  EXTN_ITEM_CTLG_SRC_NM=:112 ,  EXTN_ITEM_DTL_DESC=:113 ,
EXTN_ITEM_RELSHP_TYPE=:114 ,  EXTN_LATE_NIGHT_PKUP_FLG=:115 ,  EXTN_LBL_REPRNT_FLG=:116 ,  EXTN_LIFT_GATE_FLG=:117 ,
EXTN_MAX_ALLOWANCE=:118 ,  EXTN_MIN_GEOCODE=:119 ,  EXTN_MIN_INVOICE_DATE=:120 ,  EXTN_MIN_SHIP_NODE=:121 ,
EXTN_MIN_TAX_PERCENT=:122 ,  EXTN_MINOR_ORD_NBR=:123 ,  EXTN_MULT_FLR_FLG=:124 ,  EXTN_MULTI_STOP_XFER_FLG=:125 ,
EXTN_NOTE_ENTR_BY_OLS_FLG=:126 ,  EXTN_OFFLINE_PEND_CNCL_FLG=:127 ,  EXTN_OLD_CARR_SVC_CDE_VAL=:128 ,
EXTN_OLD_CUSTOMER_ITEM=:129 ,  EXTN_OLD_DS_ORD_LN_KEY=:130 ,  EXTN_ORD_LN_PRTY_NBR=:131 ,
EXTN_ORDER_ACCEPTANCE_GEOCODE=:132 ,  EXTN_ORIG_ORDER_LINE_KEY=:133 ,  EXTN_ORIG_PRIME_LINE_NO=:134 ,  EXTN_
ORIG_SUB_LINE_NO=:135 ,  EXTN_PACK_AT_STOR_FOR_SHP_FLG=:136 ,  EXTN_PAYPAL_SHIP_ADDR_STATUS=:137 ,  EXTN_PLAN_TYP_VAL=:138 ,
EXTN_PRE_DLVR_CALL_FLG=:139 ,  EXTN_PRICEOVERRIDE_REASON_CODE=:140 ,  EXTN_PRICEOVERRIDE_REASON_TEXT=:141 ,
EXTN_PRICEOVERRIDE_USERID=:142 ,  EXTN_PROMO_CODE_FIVE=:143 ,  EXTN_PROMO_CODE_FIVE_DESC=:144 ,
```

EXTN_PROMO_CODE_FOUR=:145 , EXTN_PROMO_CODE_FOUR_DESC=:146 , EXTN_PROMO_CODE_ONE=:147 , EXTN_PROMO_CODE_ONE_DESC=:148 , EXTN_PROMO_CODE_THREE=:149 , EXTN_PROMO_CODE_THREE_DESC=:150 , EXTN_PROMO_CODE_TWO=:151 , EXTN_PROMO_CODE_TWO_DESC=:152 , EXTN_PROMO_REF_TXT=:153 , EXTN_PROMOTION_IDS=:154 , EXTN_PRTL_PAY_FLG=:155 , EXTN_PSEUDO_SKU=:156 , EXTN_PSEUDO_SKU_DESCRIPTION=:157 , EXTN_RCOV_LN_FLG=:158 , EXTN_REAL_PROP_FLG=:159 , EXTN_REAS_CDE=:160 , EXTN_REPOSTLINE_FLAG=:161 , EXTN_REPRICE_EXCLUSION_QTY=:162 , EXTN_REPRICE_ITEM_FLAG=:163 , EXTN_RESELLABLE_FLAG=:164 , EXTN_RESHP_OVRD_FLG=:165 , EXTN_RESTOCK_FEE=:166 , EXTN_RGHTTYP=:167 , EXTN_R
LTD_ACCSORY_OPT_OUT=:168 , EXTN_ROS_INITIAL_STATE=:169 , EXTN_ROS_ORDER_ID=:170 , EXTN_ROS_PICKUP_REASON_CODE=:171 , EXTN_ROS_SEQUENCE_ID=:172 , EXTN_ROS_UPDATE_TS=:173 , EXTN_RSTRCT_FLFLMNT_CHG_FLG=:174 , EXTN_RTN_BY_DT=:175 , EXTN_SERVICE_SERIAL_NO=:176 , EXTN_SHIP_TO_PHONE=:177 , EXTN_SHIPFROM_GEO_CODE=:178 , EXTN_SHIPMENT_ADDON_FLAG=:179 , EXTN_SHIPOVERRIDE_REASON_TEXT=:180 , EXTN_SHIPPING_GROUP_ID=:181 , EXTN_SHIPPING_OVERRIDDEN_FLAG=:182 , EXTN_SHIPTO_GEO_CODE=:183 , EXTN_SHP_TO_CO_NM=:184 , EXTN_SHPG_DT_TYP_VAL=:185 , EXTN_SHPG_TYP_CDE=:186 , EXTN_SLLR_ID=:187 , EXTN_STOR_ALRT_TRIG_VAL=:188 , EXTN_SUBCATEGORY=:189 , EXTN_SUBSCPN_SKU=:190 , EXTN_TOTALRESHIPPED_AMOUNT=:191 , EXTN_TRAN_LINE_ID=:192 , EXTN_TWO_MAN_REQ_FLG=:193 , EXTN_VNDR_FLFLMNT_DELY_TS=:194 , EXTN_VNDR_ID=:195 , EXTN_VNDR_ORD_ID=:196 , EXTN_VNDR_ORD_LN_ID=:197 , EXTN_VNDR_QTY_MKT_PLC_NBR=:198 , EXTN_XFER_NODE_CDE=:199 , FILL_QUANTITY=:200 , FIRST_ITER_SEQ_NO=:201 , EXTN_SHIP_TO_FN
AME=:202 , FIXED_CAPACITY_QTY_PER_LINE=:203 , FIXED_PRICING_QTY_PER_LINE=:204 , FOB=:205 , EXTN_FREE_SHIPPING_FLAG=:206 , EXTN_FULFILL_BY_DT=:207 , EXTN_FLFLMNT_BGN_EXPC_ARVL_DT=:208 , EXTN_FLFLMNT_END_EXPC_ARVL_DT=:209 , FULFILLMENT_TYPE=:210 , FUTURE_AVAIL_DATE=:211 , GIFT_FLAG=:212 , GROUP_SEQUENCE_NUM=:213 , HARMONIZED_CODE=:214 , HOLD_FLAG=:215 , HOLD_REASON_CODE=:216 , IMPORT_LICENSE_EXP_DATE=:217 , IMPORT_LICENSE_NO=:218 , IN_STORE_PAYMENT_REQUIRED=:219 , EXTN_INSURANCE_FLAG=:220 , INTENTIONAL_BACKORDER=:221 , INVOICE_BASED_ON_ACTUALS=:222 , INVOICE_COMPLETE=:223 , INVOICED_EXTENDED_PRICE=:224 , INVOICED_LINE_TOTAL=:225 , INVOICED_PRICING_QUANTITY=:226 , INVOICED_QUANTITY=:227 , IS_CAPACITY_OVERRIDDEN=:228 , IS_COST_OVERRIDDEN=:229 , IS_FIRM_PREDEFINED_NODE=:230 , IS_FORWARDING_ALLOWED=:231 , IS_GIFT_WRAP=:232 , EXTN_IS_HAZMAT_FLAG=:233 , EXTN_IS_KNOWN_BO_FLG=:234 , EXTN_IS_OVER_USPS_WT_FLAG=:235 , IS_PICK_UP_NOW=:236 , EXTN_IS_POSTPAID_FLG=:23
7 , IS_PRICE_INFO_ONLY=:238 , IS_PRICE_LOCKED=:239 , IS_PRICE_MATCHED=:240 , IS_PROCUREMENT_ALLOWED=:241 , IS_STANDALONE_SERVICE=:242 , ISBN=:243 , CUSTOMER_ITEM_DESCRIPTION=:244 , ITEM_GROUP_CODE=:245 , ITEM_ID=:246 , ITEM_IS_IN_HAND=:247 , ITEM_NOT_EXIST=:248 , ITEM_DESCRIPTION=:249 , ITEM_SHORT_DESCRIPTION=:250 , EXTN_ITEM_TYPE=:251 , ITEM_WEIGHT=:252 , ITEM_WEIGHT_UOM=:253 , KIT_CODE=:254 , KIT_QTY=:255 , LAST_ITER_SEQ_NO=:256 , EXTN_SHIP_TO_LNAME=:257 , LEVEL_OF_SERVICE=:258 , LINE_SEQ_NO=:259 , LINE_TOTAL=:260 , LINE_TYPE=:261 , LIST_PRICE=:262 , LOCKID=:263 , MAINTAIN_RATIO=:264 , MANUFACTURER_ITEM=:265 , MANUFACTURER_ITEM_DESC=:266 , MANUFACTURER_NAME=:267 , MARK_FOR_KEY=:268 , MERGE_NODE=:269 , MIN_SHIP_BY_DATE=:270 , MODIFYPROGID=:271 , modifyts=:272 , MODIFYUSERID=:273 , NMFC_CLASS=:274 , NMFC_CODE=:275 , NMFC_DESCRIPTION=:276 , OPTION_CAPACITY_REQUIRED=:277 , ORDER_CLASS=:278 , ORDER_HEADER_KEY=:279 , ORDERED_QTY=:280 , ORDERING_U
OM=:281 , ORIG_ORDER_LINE_KEY=:282 , EXTN_ORIG_BEG_ARVL_DT=:283 , EXTN_ORIG_CUST_PROMISE_DT=:284 , EXTN_ORIG_END_ARVL_DT=:285 , ORIGINAL_ORDERED_QTY=:286 , OTHER_CHARGES=:287 , OVER_RECEIPT_QUANTITY=:288 , EXTN_IS_OVERSIZED_FLAG=:289 , PACKLIST_TYPE=:290 , PARENT_OF_DEPENDENT_GROUP=:291 , PERSONALIZE_CODE=:292 , PERSONALIZE_FLAG=:293 , PICKABLE_FLAG=:294 , EXTN_PICKUP_TYPE_VAL=:295 , PIPELINE_KEY=:296 , EXTN_PRE_ORDER_FLAG=:297 , EXTN_PRICE_OVERRIDDEN_FLAG=:298 , PRICING_DATE=:299 , PRICING_QUANTITY=:300 , PRICING_QUANTITY_CONV_FACTOR=:301 , PRICING_QUANTITY_STRATEGY=:302 , PRICING_UOM=:303 , PRIME_LINE_NO=:304 , PROCURE_FROM_NODE=:305 , PRODUCT_CLASS=:306 , PRODUCT_LINE=:307 , PROMISED_APPT_END_DATE=:308 , PROMISED_APPT_START_DATE=:309 , PURPOSE=:310 , RECEIVED_QUANTITY=:311 , RECEIVING_NODE=:312 , REPRICING_QUANTITY=:313 , REQ_CANCEL_DATE=:314 , REQ_DELIVERY_DATE=:315 , REQ_SHIP_DATE=:316 , RESERVATION_ID=:317 , EXTN_RSRVTN_ITEM_ID=:318 , RESERVA
TION_MANDATORY=:319 , RESERVATION_POOL=:320 , RESHIP_PARENT_LINE_KEY=:321 , EXTN_RESHIPPED_FLAG=:322 , EXTN_RESIDENTIAL_COMMER_FLAG=:323 , RETAIL_PRICE=:324 , RETURN_REASON=:325 , SCAC=:326 , SCHED_FAILURE_REASON_CODE=:327 , SCHEDULE_B_CODE=:328 , SEGMENT=:329 , SEGMENT_TYPE=:330 , SERIAL_NO=:331 , EXTN_CARR_SVC_LVL_VAL=:332 , SETTLED_AMOUNT=:333 , SETTLED_QUANTITY=:334 , SHIPNODE_KEY=:335 , SHIP_TO_ID=:336 , SHIP_TO_KEY=:337 , EXTN_SHIP_TO_LOC_ID=:338 , EXTN_SHIP_TO_LOC_NM=:339 , EXTN_SHIP_TO_LOC_TYPE=:340 , SHIP_TOGETHER_NO=:341 , SHIPMENT_CONSOL_GROUP_ID=:342 , SHIPPED_QUANTITY=:343 , EXTN_SIGNATURE_REQUIRED_FLAG=:344 , SOURCE_FROM_ORGANIZATION=:345 , EXTN_SPECIAL_ORDER_FLAG=:346 , SPLIT_QTY=:347 , EXTN_STREET_DATE=:348 , SUB_LINE_NO=:349 , SUPPLIER_CODE=:350 , SUPPLIER_ITEM=:351 , SUPPLIER_ITEM_DESCRIPTION=:352 , TAX=:353 , TAX_EXEMPTION_CERTIFICATE=:354 , TAX_PRODUCT_CODE=:355 , TAXABLE_FLAG=:356 , TIMEZONE=:357 , EXTN_TRACKING_FLAG=:358 , T
RAN_DISCREPANCY_QTY=:359 , UNIT_COST=:360 , UNIT_PRICE=:361 , UOM=:362 , UPC_CODE=:363 , WAIT_FOR_SEQ_LINE=:364 where ORDER_LINE_KEY=:365

atwuyuvqkf27w SELECT /*+ OPT_PARAM('_fix_control' '16391176:1') */ GROUP_TYPE, BUCKET_START, BUCKET_END, TM_GROUP_TYPE, TM_BUCKET_START, TM_BUCKET_END, SUM(TM_CPU_FIRST_BUCKET_VALUE) TM_CPU_FIRST_BUCKET_VALUE, SUM(TM_CPU_MIDDLE_BUCKETS_VALUE) TM_CPU_MIDDLE_BUCKETS_VALUE, SUM(TM_CPU_LAST_BUCKET_VALUE) TM_CPU_LAST_BUCKET_VALUE, SUM(TM_DB_FIRST_BUCKET_VALUE) TM_DB_FIRST_BUCKET_VALUE, SUM(TM_DB_MIDDLE_BUCKETS_VALUE) TM_DB_MIDDLE_BUCKETS_VALUE, SUM(TM_DB_LAST_BUCKET_VALUE) TM_DB_LAST_BUCKET_VALUE, SUM(RREQS_FIRST_BUCKET_VALUE) RREQS_FIRST_BUCKET_VALUE, SUM(RREQS_MIDDLE_BUCKETS_VALUE) RREQS_MIDDLE_BUCKETS_VALUE, SUM(RREQS_LAST_BUCKET_VALUE) RREQS_LAST_BUCKET_VALUE, SUM(WREQS_FIRST_BUCKET_VALUE) WREQS_FIRST_BUCKET_VALUE, SUM(WREQS_MIDDLE_BUCKETS_VALUE) WREQS_MIDDLE_BUCKETS_VALUE, SUM(WREQS_LAST_BUCKET_VALUE) WREQS_LAST_BUCKET_VALUE, SUM(RBYTES_FIRST_BUCKET_V
ALUE) RBYTES_FIRST_BUCKET_VALUE, SUM(RBYTES_MIDDLE_BUCKETS_VALUE) RBYTES_MIDDLE_BUCKETS_VALUE, SUM(RBYTES_LAST_BUCKET_VALUE) RBYTES_LAST_BUCKET_VALUE, SUM(WBYTES_FIRST_BUCKET_VALUE) WBYTES_FIRST_BUCKET_VALUE, SUM(WBYTES_MIDDLE_BUCKETS_VALUE) WBYTES_MIDDLE_BUCKETS_VALUE, SUM(WBYTES_LAST_BUCKET_VALUE) WBYTES_LAST_BUCKET_VALUE, SUM(IBYTES_FIRST_BUCKET_VALUE) IBYTES_FIRST_BUCKET_VALUE, SUM(IBYTES_MIDDLE_BUCKETS_VALUE) IBYTES_MIDDLE_BUCKETS_VALUE, SUM(IBYTES_LAST_BUCKET_VALUE) IBYTES_LAST_BUCKET_VALUE, SUM(CRBYTES_FIRST_BUCKET_VALUE) CRBYTES_FIRST_BUCKET_VALUE, SUM(CRBYTES_MIDDLE_BUCKETS_VALUE) CRBYTES_MIDDLE_BUCKETS_VALUE, SUM(CRBYTES_LAST_BUCKET_VALUE) CRBYTES_LAST_BUCKET_VALUE, SUM(PGA_ALLOC_FIRST_BUCKET_VALUE) PGA_ALLOC_FIRST_BUCKET_VALUE, SUM(PGA_ALLOC_MIDDLE_BUCKETS_VALUE) PGA_ALLOC_MIDDLE_BUCKETS_VALUE, SUM(PGA_ALLOC_LAST_BUCKET_VALUE) PGA_ALLOC_LAST_BUCKET_VALUE, SUM(TMP_ALLOC_FIRST_BUCKET_VALUE) TMP_ALLOC_FIRST_BUCKET_VALUE, SUM(TMP_ALLOC_MIDDLE_BUCKETS_VALUE) TMP_A
LLOC_MIDDLE_BUCKETS_VALUE, SUM(TMP_ALLOC_LAST_BUCKET_VALUE) TMP_ALLOC_LAST_BUCKET_VALUE FROM ( SELECT GROUP_TYPE, BUCKET_START, TM_BUCKET_START, TM_BUCKET_END, BUCKET_END, TM_GROUP_TYPE, SUM(GVTF.TM_CPU_FIRST_BUCKET_VALUE) TM_CPU_FIRST_BUCKET_VALUE, SUM(GVTF.TM_CPU_MIDDLE_BUCKETS_VALUE) TM_CPU_MIDDLE_BUCKETS_VALUE, SUM(GVTF.TM_CPU_LAST_BUCKET_VALUE) TM_CPU_LAST_BUCKET_VALUE, SUM(GVTF.TM_DB_FIRST_BUCKET_VALUE) TM_DB_FIRST_BUCKET_VALUE, SUM(GVTF.TM_DB_MIDDLE_BUCKETS_VALUE) TM_DB_MIDDLE_BUCKETS_VALUE, SUM(GVTF.TM_DB_LAST_BUCKET_VALUE) TM_DB_LAST_BUCKET_VALUE, SUM(GVTF.RREQS_FIRST_BUCKET_VALUE) RREQS_FIRST_BUCKET_VALUE, SUM(GVTF.RREQS_MIDDLE_BUCKETS_VALUE) RREQS_MIDDLE_BUCKETS_VALUE, SUM(GVTF.RREQS_LAST_BUCKET_VALUE) RREQS_LAST_BUCKET_VALUE, SUM(GVTF.WREQS_FIRST_BUCKET_VALUE) WREQS_FIRST_BUCKET_VALUE, SUM(GVTF.WREQS_MIDDLE_BUCKETS_VALUE) WREQS_MIDDLE_BUCKETS_VALUE, SUM(GVTF.WREQS_LAST_BUCKET_VALUE) WREQS_LAST_BUCKET_VALUE, SUM(GVTF.RBYTES_FIRST_BUCKET_VALUE) RBYTES_FIRST
_BUCKET_VALUE, SUM(GVTF.RBYTES_MIDDLE_BUCKETS_VALUE) RBYTES_MIDDLE_BUCKETS_VALUE, SUM(GVTF.RBYTES_LAST_BUCKET_VALUE) RBYTES_LAST_BUCKET_VALUE, SUM(GVTF.WBYTES_FIRST_BUCKET_VALUE) WBYTES_FIRST_BUCKET_VALUE, SUM(GVTF.WBYTES_MIDDLE_BUCKETS_VALUE) WBYTES_MIDDLE_BUCKETS_VALUE, SUM(GVTF.WBYTES_LAST_BUCKET_VALUE) WBYTES_LAST_BUCKET_VALUE, SUM(GVTF.IBYTES_FIRST_BUCKET_VALUE) IBYTES_FIRST_BUCKET_VALUE, SUM(GVTF.IBYTES_MIDDLE_BUCKETS_VALUE) IBYTES_MIDDLE_BUCKETS_VALUE, SUM(GVTF.IBYTES_LAST_BUCKET_VALUE) IBYTES_LAST_BUCKET_VALUE, SUM(GVTF.CRBYTES_FIRST_BUCKET_VALUE) CRBYTES_FIRST_BUCKET_VALUE, SUM(GVTF.CRBYTES_MIDDLE_BUCKETS_VALUE) CRBYTES_MIDDLE_BUCKETS_VALUE, SUM(GVTF.CRBYTES_LAST_BUCKET_VALUE) CRBYTES_LAST_BUCKET_VALUE, SUM(GVTF.PGA_ALLOC_FIRST_BUCKET_VALUE) PGA_ALLOC_FIRST_BUCKET_VALUE, SUM(GVTF.PGA_ALLOC_MIDDLE_BUCKETS_VALUE) PGA_ALLOC_MIDDLE_BUCKETS_VALUE, SUM(GVTF.PGA_ALLOC_LAST_BUCKET_VALUE) PGA_ALLOC_LAST_BUCKET_VALUE, SUM(GVTF.TMP_ALLOC_FIRST_BUCKET_VALUE) TMP_ALLOC_FIRST
_BUCKET_VALUE, SUM(GVTF.TMP_ALLOC_MIDDLE_BUCKETS_VALUE) TMP_ALLOC_MIDDLE_BUCKETS_VALUE, SUM(GVTF.TMP_ALLOC_LAST_BUCKET_VALUE) TMP_ALLOC_LAST_BUCKET_VALUE FROM TABLE(SYS.GV$(CURSOR( SELECT INST_ID, GROUP_TYPE, BUCKET_START, TM_BUCKET_START, TM_BUCKET_END, BUCKET_END, TM_GROUP_TYPE, SUM(TM_DELTA_CPU_TIME * TM_FIRST_BUCKET_RATIO) TM_CPU_FIRST_BUCKET_VALUE, SUM(TM_DELTA_CPU_TIME * TM_MIDDLE_BUCKETS_RATIO)

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|---|---|
| | TM_CPU_MIDDLE_BUCKETS_VALUE, SUM(TM_DELTA_CPU_TIME * TM_LAST_BUCKET_RATIO) TM_CPU_LAST_BUCKET_VALUE, SUM(TM_DELTA_DB_TIME * TM_FIRST_BUCKET_RATIO) TM_DB_FIRST_BUCKET_VALUE, SUM(TM_DELTA_DB_TIME * TM_MIDDLE_BUCKETS_RATIO) TM_DB_MIDDLE_BUCKETS_VALUE, SUM(TM_DELTA_DB_TIME * TM_LAST_BUCKET_RATIO) TM_DB_LAST_BUCKET_VALUE, SUM(DELTA_READ_REQUESTS * FIRST_BUCKET_RATIO) RREQS_FIRST_BUCKET_VALUE, SUM(DELTA_READ_REQUESTS * MIDDLE_BUCKETS_RATIO) RREQS_MIDDLE_BUCKETS_VALUE, SUM(DELTA_READ_REQUESTS * LAST_BUCKET_RATIO) RREQS_LAST_BUCKET_VALUE, SUM(DELTA_WRITE_REQUESTS * FIRST_BUCKET_ RATIO) WREQS_FIRST_BUCKET_VALUE, SUM(DELTA_WRITE_REQUESTS * MIDDLE_BUCKETS_RATIO) WREQS_MIDDLE_BUCKETS_VALUE, SUM(DELTA_WRITE_REQUESTS * LAST_BUCKET_RATIO) WREQS_LAST_BUCKET_VALUE, SUM(DELTA_READ_BYTES * FIRST_BUCKET_RATIO) RBYTES_FIRST_BUCKET_VALUE, SUM(DELTA_READ_BYTES * MIDDLE_BUCKETS_RATIO) RBYTES_MIDDLE_BUCKETS_VALUE, SUM(DELTA_READ_BYTES * LAST_BUCKET_RATIO) RBYTES_LAST_BUCKET_VALUE, SUM(DELTA_WRITE_BYTES * FIRST_BUCKET_RATIO) WBYTES_FIRST_BUCKET_VALUE, SUM(DELTA_WRITE_BYTES * MIDDLE_BUCKETS_RATIO) WBYTES_MIDDLE_BUCKETS_VALUE, SUM(DELTA_WRITE_BYTES * LAST_BUCKET_RATIO) WBYTES_LAST_BUCKET_VALUE, SUM(DELTA_INTERCONNECT_BYTES * FIRST_BUCKET_RATIO) IBYTES_FIRST_BUCKET_VALUE, SUM(DELTA_INTERCONNECT_BYTES * MIDDLE_BUCKETS_RATIO) IBYTES_MIDDLE_BUCKETS_VALUE, SUM(DELTA_INTERCONNECT_BYTES * LAST_BUCKET_RATIO) IBYTES_LAST_BUCKET_VALUE, SUM(DELTA_READ_MEM_BYTES * FIRST_BUCKET_RATIO) CRBYTES_FIRST_BUCKET_VALUE, SUM(DELTA_READ_MEM_BYTES * MIDDLE_BUCKETS_RATIO) CRBYTES_MIDDLE_BUCK ETS_VALUE, SUM(DELTA_READ_MEM_BYTES * LAST_BUCKET_RATIO) CRBYTES_LAST_BUCKET_VALUE, SUM(PGA_ALLOCATED * LENGTH_SEG * FIRST_BUCKET_RATIO) PGA_ALLOC_FIRST_BUCKET_VALUE, SUM(PGA_ALLOCATED * LENGTH_SEG * MIDDLE_BUCKETS_RATIO) PGA_ALLOC_MIDDLE_BUCKETS_VALUE, SUM(PGA_ALLOCATED * LENGTH_SEG * LAST_BUCKET_RATIO) PGA_ALLOC_LAST_BUCKET_VALUE, SUM(TEMP_SPACE_ALLOCATED * LENGTH_SEG * FIRST_BUCKET_RATIO) TMP_ALLOC_FIRST_BUCKET_VALUE, SUM(TEMP_SPACE_ALLOCATED * LENGTH_SEG * MIDDLE_BUCKETS_RATIO) TMP_ALLOC_MIDDLE_BUCKETS_VALUE, SUM(TEMP_SPACE_ALLOCATED * LENGTH_SEG * LAST_BUCKET_RATIO) TMP_ALLOC_LAST_BUCKET_VALUE FROM ( SELECT USERENV('INSTANCE') INST_ID, ROW_ID, SID, SAMPLE_TIME, CASE WHEN BUCKET_END IS NULL OR BUCKET_START IS NULL THEN NULL WHEN BUCKET_START = TM_BUCKET_START AND BUCKET_START = BUCKET_END THEN 'CO' WHEN BUCKET_START = TM_BUCKET_START THEN 'CM' WHEN BUCKET_START = BUCKET_END THEN 'SO' ELSE 'SM' END GROUP_TYPE, CASE WHEN TM_BUCKET_START IS NULL OR BUCKET_END IS NULL OR (T M_BUCKET_START = BUCKET_START) THEN NULL WHEN TM_BUCKET_START = BUCKET_END THEN 'O' ELSE 'M' END TM_GROUP_TYPE, START_SEG, BUCKET_START, BUCKET_START_OFFSET, TM_START_SEG, CASE WHEN TM_BUCKET_START IS NULL OR (TM_BUCKET_START = BUCKET_START) THEN NULL ELSE TM_BUCKET_START END TM_BUCKET_START, CASE WHEN TM_BUCKET_START IS NULL OR (TM_BUCKET_START = BUCKET_START) THEN NULL ELSE BUCKET_END END TM_BUCKET_END, TM_BUCKET_START_OFFSET, LENGTH_SEG, TM_LENGTH_SEG, END_SEG, BUCKET_END, BUCKET_END_OFFSET, CASE WHEN BUCKET_START != BUCKET_END THEN (:B9 - BUCKET_START_OFFSET) / LENGTH_SEG ELSE 1 END FIRST_BUCKET_RATIO, CASE WHEN BUCKET_END >= BUCKET_START + 2 THEN :B9 / LENGTH_SEG ELSE NULL END MIDDLE_BUCKETS_RATIO, CASE WHEN BUCKET_START != BUCKET_END THEN BUCKET_END_OFFSET / LENGTH_SEG ELSE NULL END LAST_BUCKET_RATIO, CASE WHEN TM_BUCKET_START != BUCKET_END THEN (:B9 - TM_BUCKET_START_OFFSET) / TM_LENGTH_SEG ELSE 1 END TM_FIRST_BUCKET_RATIO, CASE WHEN BUCKET_END >= TM_BUCKE T_START + 2 THEN :B9 / TM_LENGTH_SEG ELSE NULL END TM_MIDDLE_BUCKETS_RATIO, CASE WHEN TM_BUCKET_START != BUCKET_END THEN BUCKET_END_OFFSET / TM_LENGTH_SEG ELSE NULL END TM_LAST_BUCKET_RATIO, TM_DELTA_CPU_TIME, TM_DELTA_DB_TIME, DELTA_READ_IO_REQUESTS DELTA_READ_REQUESTS, DELTA_WRITE_IO_REQUESTS DELTA_WRITE_REQUESTS, DELTA_READ_IO_BYTES DELTA_READ_BYTES, DELTA_WRITE_IO_BYTES DELTA_WRITE_BYTES, DELTA_INTERCONNECT_IO_BYTES DELTA_INTERCONNECT_BYTES, DELTA_READ_MEM_BYTES DELTA_READ_MEM_BYTES, PGA_ALLOCATED, TEMP_SPACE_ALLOCATED FROM (SELECT ROW_ID, SID, SAMPLE_TIME, START_SEG, TRUNC(START_SEG / :B9 ) BUCKET_START, MOD(START_SEG, :B9 ) BUCKET_START_OFFSET, TM_START_SEG, TRUNC(TM_START_SEG/:B9 ) TM_BUCKET_START, MOD(TM_START_SEG, :B9 ) TM_BUCKET_START_OFFSET, TRUNC(END_SEG/:B9 ) BUCKET_END, MOD(END_SEG, :B9 ) BUCKET_END_OFFSET, END_SEG, LENGTH_SEG, TM_LENGTH_SEG, TM_DELTA_CPU_TIME, TM_DELTA_DB_TIME, DELTA_READ_IO_REQUESTS, DELTA_WRITE_IO_REQUESTS, DELTA_READ_IO _BYTES, DELTA_WRITE_IO_BYTES, DELTA_INTERCONNECT_IO_BYTES, DELTA_READ_MEM_BYTES, PGA_ALLOCATED, TEMP_SPACE_ALLOCATED FROM (SELECT ROW_ID, SID, SAMPLE_TIME, TIME_INTERVAL, CASE WHEN START_SEG < 0 THEN 0 ELSE START_SEG END START_SEG, CASE WHEN TM_START_SEG < 0 THEN 0 ELSE TM_START_SEG END TM_START_SEG, CASE WHEN END_SEG > TIME_INTERVAL THEN TIME_INTERVAL ELSE END_SEG END END_SEG, (LENGTH_SEG - (CASE WHEN START_SEG < 0 THEN -START_SEG ELSE 0 END + CASE WHEN END_SEG > TIME_INTERVAL THEN END_SEG - TIME_INTERVAL ELSE 0 END)) LENGTH_SEG, (TM_LENGTH_SEG - (CASE WHEN TM_START_SEG < 0 THEN - TM_START_SEG ELSE 0 END + CASE WHEN END_SEG > TIME_INTERVAL THEN END_SEG - TIME_INTERVAL ELSE 0 END)) TM_LENGTH_SEG, TM_DELTA_CPU_TIME, TM_DELTA_DB_TIME, DELTA_READ_IO_REQUESTS, DELTA_WRITE_IO_REQUESTS, DELTA_READ_IO_BYTES, DELTA_WRITE_IO_BYTES, DELTA_INTERCONNECT_IO_BYTES, DELTA_READ_MEM_BYTES, PGA_ALLOCATED, TEMP_SPACE_ALLOCATED FROM (SELECT ROW_ID, SID, SAMPLE_ TIME, TIME_INTERVAL, LENGTH_SEG, TM_LENGTH_SEG, END_SEG - TM_LENGTH_SEG TM_START_SEG, END_SEG - LENGTH_SEG START_SEG, END_SEG, TM_DELTA_CPU_TIME, TM_DELTA_DB_TIME, DELTA_READ_IO_REQUESTS, DELTA_WRITE_IO_REQUESTS, DELTA_READ_IO_BYTES, DELTA_WRITE_IO_BYTES, DELTA_INTERCONNECT_IO_BYTES, DELTA_READ_MEM_BYTES, PGA_ALLOCATED, TEMP_SPACE_ALLOCATED FROM (SELECT ROW_ID, SID, SAMPLE_TIME, EXTRACT(SECOND FROM REL_SAMPLE_TIME_INT) + EXTRACT(MINUTE FROM REL_SAMPLE_TIME_INT)*60 + EXTRACT(HOUR FROM REL_SAMPLE_TIME_INT)*3600 + EXTRACT(DAY FROM REL_SAMPLE_TIME_INT)*3600*24 END_SEG, TIME_INTERVAL, DELTA_TIME/1000000 LENGTH_SEG, TM_DELTA_TIME/1000000 TM_LENGTH_SEG, TM_DELTA_CPU_TIME, TM_DELTA_DB_TIME, DELTA_READ_IO_REQUESTS, DELTA_WRITE_IO_REQUESTS, DELTA_READ_IO_BYTES, DELTA_WRITE_IO_BYTES, DELTA_INTERCONNECT_IO_BYTES, DELTA_READ_MEM_BYTES, PGA_ALLOCATED, TEMP_SPACE_ALLOCATED FROM (SELECT ROWNUM ROW_ID, SESSION_ID SID, CAST(FROM_TZ(SAMPLE_TIME, DBTIMEZONE) AS DATE) SAM PLE_DATE, SAMPLE_TIME, (SAMPLE_TIME - CAST(:B8 AS TIMESTAMP)) REL_SAMPLE_TIME_INT, TRUNC((:B7 - :B8 ) * 3600 * 24) TIME_INTERVAL, :B8 AS BND_START_INTERVAL , :B7 AS BND_END_INTERVAL , TM_DELTA_TIME, TM_DELTA_CPU_TIME, TM_DELTA_DB_TIME, DELTA_TIME, DELTA_READ_IO_REQUESTS, DELTA_WRITE_IO_REQUESTS, DELTA_READ_IO_BYTES, DELTA_WRITE_IO_BYTES, DELTA_INTERCONNECT_IO_BYTES, DELTA_READ_MEM_BYTES, PGA_ALLOCATED, TEMP_SPACE_ALLOCATED FROM (SELECT ASH0.* FROM V$ACTIVE_SESSION_HISTORY ASH0 WHERE SAMPLE_TIME BETWEEN :B6 AND :B5 AND ( (SESSION_ID = :B2 AND SESSION_SERIAL# = :B1 AND USERENV('INSTANCE') = :B3 ) OR (:B4 = 'yes' AND QC_INSTANCE_ID = :B3 AND QC_SESSION_ID = :B2 AND QC_SESSION_SERIAL# = :B1 ))) ) ASH1 WHERE SAMPLE_DATE >= BND_START_INTERVAL AND SAMPLE_DATE <= BND_END_INTERVAL + 120/3600/24 ) ) WHERE START_SEG <= TIME_INTERVAL ) WHERE (LENGTH_SEG IS NOT NULL AND LENGTH_SEG > 0) OR (TM_LENGTH_SEG IS NOT NULL AND TM_LENGTH_SEG > 0)) ) GROUP BY INST_ID, GROUP_T YPE, BUCKET_START, BUCKET_END, TM_GROUP_TYPE, TM_BUCKET_START, TM_BUCKET_END))) GVTF WHERE INST_ID >= :B11 AND INST_ID <= :B10 GROUP BY GROUP_TYPE, BUCKET_START, BUCKET_END, TM_GROUP_TYPE, TM_BUCKET_START, TM_BUCKET_END ) GROUP BY GROUPING SETS ( (GROUP_TYPE, BUCKET_START, BUCKET_END), (TM_GROUP_TYPE, TM_BUCKET_START, TM_BUCKET_END) ) |
| b24yg54pysbrx | SELECT /*YANTRA*/ EOMS_ORD_LN_RSRVTN.* FROM EOMS_ORD_LN_RSRVTN EOMS_ORD_LN_RSRVTN WHERE EOMS_ORD_LN_RSRVTN.ORD_LN_KEY= :1 |
| b67byfuh0rv0p | SELECT /*YANTRA*/ YFS_ORDER_RELEASE_STATUS.* FROM YFS_ORDER_RELEASE_STATUS YFS_ORDER_RELEASE_STATUS WHERE STATUS_QUANTITY > :1 AND ORDER_HEADER_KEY = :2 ORDER BY ORDER_HEADER_KEY, ORDER_LINE_KEY, ORDER_RELEASE_KEY, STATUS, ORDER_LINE_SCHEDULE_KEY |
| bbbdk4yah0qaw | UPDATE EOMS_ORDER_EVENT_REVISION SET REVISION_NO = REVISION_NO+:"SYS_B_0" , MODIFYPROGID = :1 , MODIFYUSERID = :2 , MODIFYTS = SYSDATE , LOCKID = LOCKID+:"SYS_B_1" WHERE ORDER_HEADER_KEY = rpad(:3 , :"SYS_B_2", :"SYS_B_3") |
| bvu6r6404zzu0 | SELECT /*YANTRA*/ YFS_CHARGE_TRANSACTION.* FROM YFS_CHARGE_TRANSACTION YFS_CHARGE_TRANSACTION , YFS_ORDER_HEADER YFS_ORDER_HEADER WHERE YFS_CHARGE_TRANSACTION.STATUS = :1 AND ( YFS_CHARGE_TRANSACTION.CHARGE_TYPE IN ( :2 , :3 ) ) AND YFS_CHARGE_TRANSACTION.CHARGE_TRANSACTION_KEY > :4 AND YFS_ORDER_HEADER.ORDER_HEADER_KEY = YFS_CHARGE_TRANSACTION.ORDER_HEADER_KEY AND YFS_ORDER_HEADER.PAYMENT_STATUS <> :5 AND YFS_ORDER_HEADER.DOCUMENT_TYPE = :6 AND YFS_ORDER_HEADER.DRAFT_ORDER_FLAG = :7 AND NOT EXISTS ( SELECT :"SYS_B_0" FROM YFS_ORDER_HOLD_TYPE WHERE YFS_ORDER_HOLD_TYPE.ORDER_HEADER_KEY = YFS_ORDER_HEADER.ORDER_HEADER_KEY AND ( YFS_ORDER_HOLD_TYPE.HOLD_TYPE IN ( :8 , :9 , :10 , :11 , :12 , :13 , :14 , :15 , :16 , :17 , :18 , :19 , :20 , :21 ) ) AND YFS_ORDER_H OLD_TYPE.STATUS < :22 ) AND ( ( YFS_CHARGE_TRANSACTION.USER_EXIT_STATUS <> :23 ) OR ( YFS_CHARGE_TRANSACTION.CREATETS <= :24 ) ) ORDER BY CHARGE_TRANSACTION_KEY |
| cbb7z2jajjdru | SELECT TO_CHAR(current_timestamp AT TIME ZONE :"SYS_B_00", :"SYS_B_01") AS curr_timestamp, SUM(failed_count) AS failed_count , TO_CHAR(MIN(first_occur_time), :"SYS_B_02") AS first_occur_time, TO_CHAR(MAX(last_occur_time), :"SYS_B_03") AS last_occur_time FROM (SELECT COUNT(db_user) AS failed_count, MIN(extended_timestamp) AS first_occur_time, MAX(extended_timestamp) AS last_occur_time FROM sys.dba_common_audit_trail WHERE action BETWEEN :"SYS_B_04" AND :"SYS_B_05" AND returncode != :"SYS_B_06" AND STATEMENT_TYPE = :"SYS_B_07" AND extended_timestamp >= current_timestamp - TO_DSINTERVAL(:"SYS_B_08") UNION SELECT COUNT(DBUSERNAME) AS failed_count, |

| | |
|---|---|
| | MIN(event_timestamp) AS first_occur_time, MAX(event_timestamp) AS last_occur_time FROM unified_audit_tr ail WHERE ACTION_NAME=:"SYS_B_09" and return_code <> :"SYS_B_10" AND event_timestamp >= current_timestamp - TO_DSINTERVAL(:"SYS_B_11")) |
| ccfrfn4vuhtt0 | SELECT /*YANTRA*/ YFS_ORDER_HEADER.* FROM YFS_ORDER_HEADER YFS_ORDER_HEADER WHERE (YFS_ORDER_HEADER.ORDER_HEADER_KEY = :1 ) FOR UPDATE |
| cqpajabx4jjvs | SELECT /*YANTRA*/ YFS_FLOW.* FROM YFS_FLOW YFS_FLOW WHERE ( ( ( YFS_FLOW.FLOW_NAME = :1 ) ) ) ORDER BY FLOW_NAME |
| d2whwtj1sd881 | DELETE FROM sql$ WHERE signature = :1 |
| d6620mc5sj2u6 | SELECT /*YANTRA*/ YFS_WORK_ORDER.* FROM YFS_WORK_ORDER YFS_WORK_ORDER WHERE YFS_WORK_ORDER.ORDER_LINE_KEY = :1 UNION SELECT * FROM YFS_WORK_ORDER WHERE EXISTS ( SELECT :"SYS_B_0" FROM YFS_WORK_ORDER_SERVICE_LINE YFS_WORK_ORDER_SERVICE_LINE WHERE YFS_WORK_ORDER_SERVICE_LINE.ORDER_LINE_KEY= :2 AND YFS_WORK_ORDER_SERVICE_LINE.WORK_ORDER_KEY=YFS_WORK_ORDER.WORK_ORDER_KEY) UNION SELECT * FROM YFS_WORK_ORDER WHERE EXISTS ( SELECT :"SYS_B_1" FROM YFS_WORK_ORDER_PROD_DEL YFS_WORK_ORDER_PROD_DEL WHERE YFS_WORK_ORDER_PROD_DEL.ORDER_LINE_KEY= :3 AND YFS_WORK_ORDER_PROD_DEL.WORK_ORDER_KEY = YFS_WORK_ORDER.WORK_ORDER_KEY) |
| dqy511zwmcq69 | SELECT /*YANTRA*/ YFS_ORDER_HEADER.* FROM YFS_ORDER_HEADER YFS_ORDER_HEADER WHERE ( ( ( YFS_ORDER_HEADER.ORDER_HEADER_KEY = :1 ) ) ) ORDER BY ORDER_HEADER_KEY |
| dr9hu79np2u3u | INSERT /*YANTRA*/ INTO YFS_STATISTICS_DETAIL(STATISTICS_DETAIL_KEY, START_TIME_STAMP, END_TIME_STAMP, SERVER_NAME, SERVER_ID, HOSTNAME, SERVICE_NAME, SERVICE_TYPE, CONTEXT_NAME, STATISTIC_NAME, STATISTIC_VALUE, CREATEUSERID, MODIFYUSERID, CREATEPROGID, MODIFYPROGID, CREATETS, MODIFYTS, LOCKID) values (:1 , :2 , :3 , :4 , :5 , :6 , :7 , :8 , :9 , :10 , :11 , :12 , :13 , :14 , :15 , :16 , :17 , :18 ) |
| dys9z85j6dj7p | SELECT /*YANTRA*/ YFS_ORDER_RELEASE_STATUS.* FROM YFS_ORDER_RELEASE_STATUS YFS_ORDER_RELEASE_STATUS WHERE STATUS_QUANTITY > :1 AND ( ORDER_HEADER_KEY IN ( :2 ) ) ORDER BY ORDER_HEADER_KEY, ORDER_LINE_KEY, ORDER_RELEASE_KEY, STATUS, ORDER_LINE_SCHEDULE_KEY |
| f3g7txqz3htz7 | SELECT /*YANTRA*/ YFS_ORG_RELATIONSHIP.* FROM YFS_ORG_RELATIONSHIP YFS_ORG_RELATIONSHIP WHERE RELATIONSHIP_TYPE_ID=:"SYS_B_0" |
| f7ytrk7fdxdwm | INSERT /*YANTRA*/ INTO YFS_PERSON_INFO(PERSON_INFO_KEY, PERSON_ID, TITLE, FIRST_NAME, MIDDLE_NAME, LAST_NAME, SUFFIX, DEPARTMENT, COMPANY, JOB_TITLE, ADDRESS_LINE1, ADDRESS_LINE2, ADDRESS_LINE3, ADDRESS_LINE4, ADDRESS_LINE5, ADDRESS_LINE6, CITY, STATE, ZIP_CODE, COUNTRY, DAY_PHONE, EVENING_PHONE, MOBILE_PHONE, BEEPER, OTHER_PHONE, DAY_FAX_NO, EVENING_FAX_NO, EMAILID, ALTERNATE_EMAILID, PREFERRED_SHIP_ADDRESS, HTTP_URL, USE_COUNT, VERIFICATION_STATUS, IS_ADDRESS_VERIFIED, LATITUDE, LONGITUDE, TAX_GEO_CODE, ERROR_TXT, IS_COMMERCIAL_ADDRESS, TIME_ZONE, LOCKID, CREATETS, MODIFYTS, CREATEUSERID, MODIFYUSERID, CREATEPROGID, MODIFYPROGID, ADDRESS_ID, SHORT_ZIP_CODE) values (:1 , :2 , :3 , :4 , :5 , :6 , :7 , :8 , :9 , :10 , :11 , :12 , :13 , :14 , :15 , :16 , :17 , :18 , :19 , :20 , :21 , :22 , :23 , :24 , :25 , :26 , :27 , :28 , :29 , :30 , :31 , :32 , :33 , :34 , :35 , :36 , :37 , :38 , :39 , :40 , :41 , :42 , :43 , :44 , :45 , :46 , :47 , :48 , :49 ) |
| f946p6b0qhh5t | SELECT /*+ INDEX(sqlobj$ (signature category obj_type plan_id)) */ DISTINCT category FROM sqlobj$ WHERE signature = :1 |
| fqq27u174x4t1 | SELECT /*YANTRA*/ YFS_ORDER_LINE.* FROM YFS_ORDER_LINE YFS_ORDER_LINE WHERE YFS_ORDER_LINE.ORDER_HEADER_KEY= :1 |
| fs0ppdb2mqvat | INSERT /*YANTRA*/ INTO YFS_SHIPMENT_CONTAINER(SHIPMENT_CONTAINER_KEY, MANIFEST_KEY, SHIPMENT_KEY, LOAD_KEY, PIPELINE_KEY, STATUS, DOCUMENT_TYPE, ORDER_HEADER_KEY, ORDER_RELEASE_KEY, SHIP_TO_KEY, CONTAINER_SEQ_NO, TRACKING_NO, COD_RETURN_TRACKING_NO, COD_AMOUNT, UCC128CODE, MANIFEST_NO, CONTAINER_SCM, CONTAINER_EPC, CONTAINER_TYPE, CORRUGATION_ITEM_KEY, CONTAINER_LENGTH, CONTAINER_WIDTH, CONTAINER_HEIGHT, CONTAINER_GROSS_WEIGHT, CONTAINER_NET_WEIGHT, CONTAINER_LENGTH_UOM, CONTAINER_HEIGHT_UOM, CONTAINER_WIDTH_UOM, CONTAINER_GROSS_WEIGHT_UOM, CONTAINER_NET_WEIGHT_UOM, APPLIED_WEIGHT_UOM, HAS_OTHER_CONTAINERS, MASTER_CONTAINER_NO, ACTUAL_FREIGHT_CHARGE, SCAC, SHIP_DATE, SHIP_MODE, ZONE, OVERSIZED_FLAG, DIMMED_FLAG, CARRIER_BILL_ACCOUNT, CARRIER_PAYMENT_TYPE, ASTRA_CODE, ROUTING_CODE, SERVICE_TYPE, CARRIER_LOCATION_ID, CARRIER_SERVICE_CODE, APPLIED_WEIG HT, ACTUAL_WEIGHT, ACTUAL_WEIGHT_UOM, COMMITMENT_CODE, DELIVERY_DAY, DELIVER_BY, FORM_ID, BASIC_FREIGHT_CHARGE, SPECIAL_SERVICES_SURCHARGE, DELIVERY_CODE, BARCODE_DISCOUNT, DISCOUNT_AMOUNT, CUSTOMS_VALUE, CARRIAGE_VALUE, DECLARED_VALUE, EXPORT_LICENSE_NO, EXPORT_LICENSE_EXP_DATE, FREIGHT_TERMS, CUSTCARRIER_ACCOUNT_NO, CONTAINER_NO, PARENT_CONTAINER_KEY, PARENT_CONTAINER_NO, CONTAINER_GROUP, PARENT_CONTAINER_GROUP, IS_RECEIVED, IS_PACK_PROCESS_COMPLETE, STATUS_DATE, USED_DURING_PICK, SYSTEM_SUGGESTED, CONTAINS_STD_QTY, TASK_TYPE, SERVICE_ITEM_ID, IS_HAZMAT, REQUIRED_NO_OF_RETURN_LABELS, ACTUAL_NO_OF_RETURN_LABELS, EXTERNAL_REFERENCE_1, IS_MANIFESTED, LOCKID, CREATETS, MODIFYTS, CREATEUSERID, MODIFYUSERID, CREATEPROGID, MODIFYPROGID, WAVE_KEY, EXTN_FPID) values (:1 , :2 , :3 , :4 , :5 , :6 , :7 , :8 , :9 , :10 , :11 , :12 , :13 , :14 , :15 , :16 , :17 , :18 , :19 , :20 , :21 , :22 , :23 , :24 , :25 , :26 , :27 , :28 , :29 , :30 , :31 , :32 , :33 , :34 , :35 , :36 , :37 , :38 , :39 , :40 , :41 , :42 , :43 , :44 , :45 , :46 , :47 , :48 , :49 , :50 , :51 , :52 , :53 , :54 , :55 , :56 , :57 , :58 , :59 , :60 , :61 , :62 , :63 , :64 , :65 , :66 , :67 , :68 , :69 , :70 , :71 , :72 , :73 , :74 , :75 , :76 , :77 , :78 , :79 , :80 , :81 , :82 , :83 , :84 , :85 , :86 , :87 , :88 , :89 , :90 , :91 , :92 , :93 ) |
| ga3tgcrb6sjyp | SELECT /*YANTRA*/ EOMS_BBYM_SUBSCBR_INFO.* FROM EOMS_BBYM_SUBSCBR_INFO EOMS_BBYM_SUBSCBR_INFO WHERE EOMS_BBYM_SUBSCBR_INFO.ORDER_LINE_KEY= :1 |
| gbfz202ufu59w | INSERT /*YANTRA*/ INTO YFS_ORDER_HEADER(ORDER_HEADER_KEY, ENTERPRISE_KEY, ORDER_NO, SOURCING_CLASSIFICATION, BUYER_ORGANIZATION_CODE, SELLER_ORGANIZATION_CODE, DOCUMENT_TYPE, BILL_TO_KEY, BILL_TO_ID, CUSTOMER_REWARDS_NO, VENDOR_ID, SHIP_TO_KEY, SHIP_TO_ID, SHIP_NODE, RECEIVING_NODE, BUYER_RECEIVING_NODE_ID, MARK_FOR_KEY, BUYER_MARK_FOR_NODE_ID, REQ_DELIVERY_DATE, REQ_CANCEL_DATE, REQ_SHIP_DATE, DEFAULT_TEMPLATE, DIVISION, ORDER_DATE, ORDER_TYPE, DRAFT_ORDER_FLAG, ORDER_PURPOSE, RETURN_OH_KEY_FOR_EXCHANGE, EXCHANGE_TYPE, PENDING_TRANSFER_IN, RETURN_BY_GIFT_RECIPIENT, ALLOCATION_RULE_ID, PRIORITY_CODE, PRIORITY_NUMBER, CONTACT_KEY, SCAC, CARRIER_SERVICE_CODE, CUSTCARRIER_ACCOUNT_NO, NOTIFY_AFTER_SHIPMENT_FLAG, CREATED_AT_NODE, HAS_DERIVED_CHILD, HAS_DERIVED_PARENT, NOTIFICATION_TYPE, NOTIFICATION_REFERENCE, ENTRY_TYPE, AUTHORIZED_CLIENT, ENTERED_BY, P ERSONALIZE_CODE, HOLD_FLAG, HOLD_REASON_CODE, CUSTOMER_PO_NO, CUSTOMER_CUSTOMER_PO_NO, ORDER_NAME, PAYMENT_RULE_ID, TERMS_CODE, DELIVERY_CODE, CHARGE_ACTUAL_FREIGHT, TAX, TOTAL_AMOUNT, ORIGINAL_TOTAL_AMOUNT, ORIGINAL_TAX, CURRENCY, ENTERPRISE_CURRENCY, REPORTING_CONVERSION_RATE, REPORTING_CONVERSION_DATE, PAYMENT_STATUS, AUTHORIZATION_EXPIRATION_DATE, SEARCH_CRITERIA_1, SEARCH_CRITERIA_2, CUSTOMER_EMAILID, FOB, TOTAL_ADJUSTMENT_AMOUNT, OTHER_CHARGES, PRICE_PROGRAM_KEY, TAXPAYER_ID, TAX_JURISDICTION, TAX_EXEMPT_FLAG, TAX_EXEMPTION_CERTIFICATE, PURPOSE, INVOICE_COMPLETE, ORDER_CLOSED, NEXT_ALERT_TS, DO_NOT_CONSOLIDATE, CHAIN_TYPE, ADJUSTMENT_INVOICE_PENDING, AUTO_CANCEL_DATE, SALE_VOIDED, IS_SHIP_COMPLETE, IS_LINE_SHIP_COMPLETE, IS_SHIP_SINGLE_NODE, IS_LINE_SHIP_SINGLE_NODE, CANCEL_ORDER_ON_EXCP_FLAG, OPTIMIZATION_TYPE, PURGE_HISTORY_DATE, PRICING_CLASSIFICATION_CODE, SOURCE_TYPE, SOURCE_KEY, LINKED_SOURCE_KEY, ORIGINAL_CONTAINER_KEY, SOLD_TO_KEY, TEAM_CODE, LEVEL_OF_SERVICE, NEXT_ITER_S EQ_NO, NEXT_ITER_DATE, HRS_BEFORE_NEXT_ITER, CREATETS, MODIFYTS, CREATEUSERID, MODIFYUSERID, CREATEPROGID, MODIFYPROGID, LOCKID, DEPARTMENT_CODE, BUYER_USER_ID, RECREATE_AUTHORIZATIONS, CUSTOMER_CONTACT_ID, OPPORTUNITY_KEY, IS_EXPIRATION_DATE_OVERRIDDEN, EXPIRATION_DATE, APPROVAL_CYCLE, IN_STORE_PAYMENT_REQUIRED, IMMEDIATE_SETTLEMENT_VALUE, CUSTOMER_AGE, CART_ID, ROLLOUT_VERSION, ALL_ADDRESSES_VERIFIED, COMPL_GIFT_BOX_QTY, NO_OF_AUTH_STRIKES, SOURCE_IP_ADDRESS, CUSTOMER_FIRST_NAME, CUSTOMER_LAST_NAME, CUSTOMER_PHONE_NO, CUSTOMER_ZIP_CODE, EXTN_IS_PAID_MEMBER_SKU_INCART, EXTN_PROFILE_LABEL, EXTN_PAID_MBRSHP_ID, EXTN_PROPOSAL_ID, EXTN_CUSTOMER_LABEL, EXTN_IS_LIVE_AUTH, EXTN_ALT_ORD_NO, EXTN_SUBSCPN_TOKEN, EXTN_SUBSCPN_VNDR_ORDER_ID, EXTN_LINK_ORD_NBR, EXTN_ORD_REQ_UPDATE, EXTN_RQST_DLVR_DT, EXTN_PRTL_PAY_FLG, EXTN_SOW_SIGNTR_FLG, EXTN_SOW_LANG_CDE, EXTN_FRAUD_CLEARED_FLAG, EXTN_FRAUD_ID, EXTN_CLICK_ID, EXTN_LOYALTY_ID, EXTN_CUSTOMER_FRAUD_FLAG, EXTN_ORDER_ORIGIN_LOC, EXTN_REGISTER_NO, EX TN_RESELLABLE_FLAG, EXTN_ADDRESS_STANDARDIZED_FLAG, EXTN_HRS_CARD_USED_FLAG, EXTN_RETEK_ID, EXTN_RETEK_ORDER_COUNT, EXTN_ROS_ORDER_COUNT, EXTN_RESHIPPED_BEFORE, EXTN_CUSTOMER_RESHIP_AMOUNT, EXTN_CUSTOMER_RESHIP_NO, EXTN_IP_ADDRESS, EXTN_AUTH_STRIKES, EXTN_BANK_HOLD, EXTN_CUSTOMER_ORDER_COUNT, EXTN_RETRIGGER_PO_COUNT, EXTN_CUSTOMER_EMAILID, EXTN_CUSTOMER_FIRSTNAME, EXTN_CUSTOMER_LASTNAME, EXTN_BILLING_PHONENO, EXTN_PROMOTION_IDS, EXTN_PROMO_CODE_ONE, EXTN_PROMO_CODE_TWO, EXTN_PROMO_CODE_THREE, EXTN_PROMO_CODE_FOUR, EXTN_PROMO_CODE_FIVE, EXTN_PROMO_CODE_ONE_DESC, EXTN_PROMO_CODE_TWO_DESC, EXTN_PROMO_CODE_THREE_DESC, EXTN_PROMO_CODE_FOUR_DESC, EXTN_PROMO_CODE_FIVE_DESC, EXTN_SOURCE_ID, EXTN_FRAUD_RECHECK_FLAG, EXTN_REPRICE_ITEM_FLAG, EXTN_FULL_FRAUD_CLEAR_FLAG, EXTN_ORDER_CLASS_TYPE, EXTN_AMOUNT, EXTN_DISCOUNTED, EXTN_RAW_SUBTOTAL, EXTN_TAX, EXTN_SHIPPING_AMOUNT, EXTN_CUSTOMER_ID, EXTN_AUDITED_FLAG, EXTN_MAINFRAME_TO_ORDER_NO, EXTN_RETEKTOPO_ORDER_NO, EXTN_IP_CTRY_CDE, EXTN_FRAUD_SCORE_TS , EXTN_FRAUD_SCORE_MTHD_CDE, EXTN_FRAUD_SCORE_VAL, EXTN_ENTER_USERID, EXTN_ENTER_GROUPID, |

```
EXTN_ADDRESS_OVERRIDDEN_FLAG, EXTN_OFFLINE_FLAG, EXTN_TRAINING_MODE, EXTN_FEE_AMT, EXTN_SCHRG_AMT,
EXTN_RECYCLING_FEE_AMT, EXTN_WHITE_GOOD_FEE_AMT, EXTN_MF_PO_NBR, EXTN_RECIPNT_FRST_NM, EXTN_RECIPNT_LAST_NM,
EXTN_ALWNC_LN_KEY, EXTN_LOGGED_IN_FLG, EXTN_PITCH_IN_FLG, EXTN_VIRT_ORD_TYP, EXTN_CUST_TYP_CDE, EXTN_RWZ_MBR_ID,
EXTN_RWZ_MBR_LVL_VAL, EXTN_REFR_LOC_ID, EXTN_CLNT_VER_NBR, EXTN_SESS_ID, EXTN_AUTH_TIME_OUT_FLG, EXTN_RTN_EXCH_FLG,
EXTN_REF_1, EXTN_P_CARD_FLG, EXTN_TAX_EXMP_CARD_NUM, EXTN_HMDLVR_ORD_QTY, EXTN_AGNT_INV_RSVR_FLG,
EXTN_AGNT_CAPY_RSVR_FLG, EXTN_AUTH_RVSL_COUNT, EXTN_AFIL_VAL, EXTN_API_VAL, EXTN_PTNR_VAL, EXTN_RTN_AUTH_VAL,
EXTN_SALE_SRC_VAL, EXTN_GRP_ID, EXTN_GRP_CNT, EXTN_BBY_RMIT_TAX_FLG, EXTN_SLLR_ID, EXTN_MKT_PLC_TAX_ACKN_FLG,
EXTN_SKIP_SCHD_FLG, EXTN_SKIP_REAS_CDE, EXTN_DLVR_ORD_CLEAN_FLG, EXTN_CUST_PTY_ID, EXTN_ENHNCD_FRAUD_NEG_RSLT,
EXTN_PTY_ID_RTRY_CNT, EXTN_PTY_ID_RTRY_AVL_T
S, EXTN_PO_TYP_CDE, EXTN_BRAND_ID, EXTN_RVRS_AUTH_CNT, EXTN_CA_BUSINESS_ID, EXTN_CA_PARTY_ID, EXTN_EMP_ID, EXTN_LEASE_ID,
EXTN_PTNR_ORD_NBR_VAL, EXTN_PTNR_ORD_CRT_TS, EXTN_HOME_CONN_ORD_ID, EXTN_PTNR_ORD_SCHD_SLA_TM,
EXTN_PTNR_BO_CNCL_SLA_TM, EXTN_PTNR_PYMT_STAT_CDE, EXTN_CUST_NOT_PRES_FLG, EXTN_EMAIL_ANON_RTRY_CNT,
EXTN_ECC_FRAUD_IND_FLG, EXTN_STTC_ATG_ID_ASSOC_FLG, EXTN_ALLOWANCE_APPLIED, EXTN_BOOK_AMT,
EXTN_ACQUISITION_CHANNEL_ID, EXTN_EXTERNAL_AGENT_ID, EXTN_BSNS_NM, EXTN_BSNS_ID, EXTN_APPROVAL_TOKEN,
EXTN_PAYMENT_METHOD_ID, EXTN_SPU_PRIORITY, EXTN_THIRD_PARTY_RECOMND_CDE, EXTN_HSOS_FLAG, EXTN_PTNR_VAL_LC,
INDEX_VERSION) values (:1 , :2 , :3 , :4 , :5 , :6 , :7 , :8 , :9 , :10 , :11 , :12 , :13 , :14 , :15 , :16 , :17 , :18 , :19 , :20 , :21 , :22 , :23 , :24 , :25 , :26 , :27 , :28 , :29 ,
:30 , :31 , :32 , :33 , :34 , :35 , :36 , :37 , :38 , :39 , :40 , :41 , :42 , :43 , :44 , :45 , :46 , :47 , :48 , :49 , :50 , :51 , :52 , :53 , :54 , :55 , :56 , :57 , :58 , :59 , :60 , :61 , :6
2 , :63 , :64 , :65 , :66 , :67 , :68 , :69 , :70 , :71 , :72 , :73 , :74 , :75 , :76 , :77 , :78 , :79 , :80 , :81 , :82 , :83 , :84 , :85 , :86 , :87 , :88 , :89 , :90 , :91 , :92 , :93 , :94 ,
:95 , :96 , :97 , :98 , :99 , :100 , :101 , :102 , :103 , :104 , :105 , :106 , :107 , :108 , :109 , :110 , :111 , :112 , :113 , :114 , :115 , :116 , :117 , :118 , :119 , :120 , :121 ,
:122 , :123 , :124 , :125 , :126 , :127 , :128 , :129 , :130 , :131 , :132 , :133 , :134 , :135 , :136 , :137 , :138 , :139 , :140 , :141 , :142 , :143 , :144 , :145 , :146 , :147 ,
:148 , :149 , :150 , :151 , :152 , :153 , :154 , :155 , :156 , :157 , :158 , :159 , :160 , :161 , :162 , :163 , :164 , :165 , :166 , :167 , :168 , :169 , :170 , :171 , :172 , :173 ,
:174 , :175 , :176 , :177 , :178 , :179 , :180 , :181 , :182 , :183 , :184 , :185 , :186 , :187 , :188 , :189 , :190 , :191 , :192 , :193 , :194 , :195 , :196 , :197 , :198 , :199 ,
:200 , :201 , :202 , :203 , :204 , :205 , :206 , :207 , :208 , :209 , :210
 , :211 , :212 , :213 , :214 , :215 , :216 , :217 , :218 , :219 , :220 , :221 , :222 , :223 , :224 , :225 , :226 , :227 , :228 , :229 , :230 , :231 , :232 , :233 , :234 , :235 , :236
, :237 , :238 , :239 , :240 , :241 , :242 , :243 , :244 , :245 , :246 , :247 , :248 , :249 , :250 , :251 , :252 , :253 , :254 , :255 , :256 , :257 , :258 , :259 , :260 , :261 , :262
, :263 , :264 , :265 , :266 , :267 , :268 , :269 , :270 , :271 , :272 , :273 , :274 , :275 , :276 , :277 , :278 , :279 , :280 )
```

ggv9gpa6u4s4u
```
update ola_ord_obj set createprogid=:1 , createts=:2 , createuserid=:3 , actv_flg=:4 , modifyprogid=:5 , modifyts=:6 , modifyuserid=:7 , ord_state_txt=:8 where
ord_nbr=:9
```

ghpvca8pr5bng
```
WITH jd AS
(SELECT end_time, input_bytes, session_key, session_recid, session_stamp, input_type, output_device_type, status
FROM V$RMAN_BACKUP_JOB_DETAILS
WHERE output_device_type IN (:"SYS_B_00", :"SYS_B_01")
AND status NOT LIKE :"SYS_B_02"),
db_bkp_data AS
(SELECT to_char(jd.end_time, :"SYS_B_03") db_backup_end_time, ROUND((sysdate-end_time)*:"SYS_B_04", :"SYS_B_05") db_backup_age, jd.input_bytes
db_backup_size, p.media db_backup_media,
jd.status db_backup_status, s.incremental_level db_backup_incr_level, jd.input_type db_backup_input_type
FROM V$BACKUP_SET_DETAILS s, jd, V$BACKUP_PIECE_DETAILS p
WHERE jd.input_type IN (:"SYS_B_06", :"SYS_B_07")
AND s.session_key = jd.session_key
AND s.session_recid = jd.session_recid
AND s.session_stamp = jd.session_sta
mp
AND p.session_key = s.session_key
AND p.session_recid = s.session_recid
AND p.session_stamp = s.session_stamp),
LAST_SUC_DB_FULL AS
(SELECT * FROM
(SELECT * FROM
(SELECT db_backup_end_time last_db_backup_date, db_backup_age last_db_backup_age, db_backup_size last_db_backup_size, db_backup_media
last_full_media
FROM db_bkp_data
WHERE db_backup_status LIKE :"SYS_B_08"
AND db_backup_input_type = :"SYS_B_09"
AND db_backup_incr_level IS NULL
ORDER by db_backup_end_time DESC)
UNION ALL
SELECT NULL, NULL, NULL, NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_10"),
LAST_EXEC_DB_FULL AS
(SELECT * FROM
(SELECT * FROM
(SELECT db_backup_end_time last_exec_db_backup_date, db_backup_status last_exec_db_backup_status
FROM db_bkp_data
WHERE db_backup_status NOT LIKE :"SYS_B_11"
AND db_backup_input_type = :"SYS_B_12"
AND db_backup_incr_level IS NULL
ORDER by db_backup_end_time DESC)
UNION ALL
SELECT NULL, NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_
13"),
LAST_SUC_DB_INCR AS
(SELECT * FROM
(SELECT * FROM
(SELECT db_backup_end_time last_db_incr_end_time, db_backup_age last_db_incr_age, db_backup_size last_db_incr_size, db_backup_media
last_db_incr_media
FROM db_bkp_data
WHERE db_backup_status LIKE :"SYS_B_14"
AND db_backup_input_type = :"SYS_B_15"
ORDER by db_backup_end_time DESC)
UNION ALL
SELECT NULL, NULL, NULL, NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_16"),
LAST_EXEC_DB_INCR AS
(SELECT * FROM
(SELECT * FROM
(SELECT db_backup_end_time db_incr_exec_end_time, db_backup_status db_incr_exec_status
FROM db_bkp_data
WHERE db_backup_status NOT LIKE :"SYS_B_17"
AND db_backup_input_type = :"SYS_B_18"
ORDER by db_backup_end_time DESC)
UNION ALL
SELECT NULL, NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_19"),
LAST_SUC_DB_INCR0 AS
```

```
(SELECT * FROM
(SELECT * FROM
(SELECT db_backup_end_time last_db_incr_0_end_time,  db_backup_age last_db_incr_0_age,  db_backup_size last_db_incr_
0_size,  db_backup_media last_db_incr_0_media
FROM db_bkp_data
WHERE db_backup_status LIKE :"SYS_B_20"
AND db_backup_input_type = :"SYS_B_21"
AND db_backup_incr_level = :"SYS_B_22"
ORDER by db_backup_end_time DESC)
UNION ALL
SELECT NULL,  NULL,  NULL,  NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_23"),
LAST_EXEC_DB_INCR0 AS
(SELECT * FROM
(SELECT * FROM
(SELECT db_backup_end_time db_incr_0_exec_end_time,  db_backup_status db_incr_0_exec_status
FROM db_bkp_data
WHERE db_backup_status NOT LIKE :"SYS_B_24"
AND db_backup_input_type = :"SYS_B_25"
AND db_backup_incr_level = :"SYS_B_26"
ORDER by db_backup_end_time DESC)
UNION ALL
SELECT NULL,  NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_27"),
LAST_SUC_DB_INCR1 AS
(SELECT * FROM
(SELECT * FROM
(SELECT db_backup_end_time last_db_incr_1_end_time,  db_backup_age last_db_incr_1_age,  db_backup_size last_db_incr_1_size,  db_backup_media
last_db_incr_1_media
FROM db_bkp_data
WHER
E db_backup_status LIKE :"SYS_B_28"
AND db_backup_input_type = :"SYS_B_29"
AND db_backup_incr_level > :"SYS_B_30"
ORDER by db_backup_end_time DESC)
UNION ALL
SELECT NULL,  NULL,  NULL,  NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_31"),
LAST_EXEC_DB_INCR1 AS
(SELECT * FROM
(SELECT * FROM
(SELECT db_backup_end_time db_incr_1_exec_end_time,  db_backup_status db_incr_1_exec_status
FROM db_bkp_data
WHERE db_backup_status NOT LIKE :"SYS_B_32"
AND db_backup_input_type = :"SYS_B_33"
AND db_backup_incr_level > :"SYS_B_34"
ORDER by db_backup_end_time DESC)
UNION ALL
SELECT NULL,  NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_35"),
arch_data AS
(SELECT to_char(jd.end_time,  :"SYS_B_36") arch_backup_date,  ROUND((sysdate-end_time)*:"SYS_B_37", :"SYS_B_38") arch_backup_age,
jd.input_bytes arch_backup_size,  p.media arch_media,  jd.status arch_status
FROM jd,  V$BACKUP_PIECE_DETAILS p
WHERE jd.
input_type = :"SYS_B_39"
AND p.session_key = jd.session_key
AND p.session_recid = jd.session_recid
AND p.session_stamp = jd.session_stamp),
LAST_SUC_DB_ARCH AS
(SELECT * FROM
(SELECT * FROM
(SELECT arch_backup_date last_arch_backup_date,  arch_backup_age last_arch_backup_age,  arch_backup_size last_arch_backup_size,  arch_media
last_arch_media
FROM arch_data
WHERE arch_status LIKE :"SYS_B_40"
ORDER by arch_backup_date DESC)
UNION ALL
SELECT NULL,  NULL,  NULL,  NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_41"),
LAST_EXEC_DB_ARCH AS
(SELECT * FROM
(SELECT * FROM
(SELECT arch_backup_date last_exec_arch_backup_date,  arch_status last_exec_arch_backup_status
FROM arch_data
WHERE arch_status NOT LIKE :"SYS_B_42"
ORDER by arch_backup_date DESC)
UNION ALL
SELECT NULL,  NULL FROM DUAL)
WHERE ROWNUM = :"SYS_B_43")
SELECT sf.last_db_backup_date,  sf.last_db_backup_age,  sf.last_db_backup_size,  sf.last_full_media,
ef.last_exec_db_backup_date,  ef.la
st_exec_db_backup_status,
si.last_db_incr_end_time,  si.last_db_incr_age,  si.last_db_incr_size,  si.last_db_incr_media,
ei.db_incr_exec_end_time,  ei.db_incr_exec_status,
si0.last_db_incr_0_age,  si0.last_db_incr_0_size,  si0.last_db_incr_0_media,
ei0.db_incr_0_exec_status,
si1.last_db_incr_1_age,  si1.last_db_incr_1_size,  si1.last_db_incr_1_media,
ei1.db_incr_1_exec_status,
sa.last_arch_backup_date,  sa.last_arch_backup_age,  sa.last_arch_backup_size,  sa.last_arch_media,
ea.last_exec_arch_backup_date,  ea.last_exec_arch_backup_status
FROM LAST_SUC_DB_FULL sf,  LAST_EXEC_DB_FULL ef,  LAST_SUC_DB_INCR si,  LAST_EXEC_DB_INCR ei,
LAST_SUC_DB_INCR0 si0,  LAST_EXEC_DB_INCR0 ei0,  LAST_SUC_DB_INCR1 si1,  LAST_EXEC_DB_INCR1 ei1,
LAST_SUC_DB_ARCH sa,  LAST_EXEC_DB_ARCH ea
```

| | |
|---|---|
| gv04adv103cu6 | select SEQ_YFS_TABLE_KEY.nextval from dual |
| gvnt36z559q08 | INSERT /*YANTRA*/ INTO YFS_SHIPMENT(SHIPMENT_KEY, PICK_LIST_NO, ORIGINAL_SHIPMENT_KEY, MERGE_NODE, PICKTICKET_NO, |

| | |
|---|---|
| | SHIP_DATE, UNPLACED_QUANTITY, SHIPNODE_KEY, RECEIVING_NODE, BUYER_RECEIVING_NODE_ID, SHIPMENT_CONSOL_GROUP_ID, SHIP_MODE, FROM_ADDRESS_KEY, TO_ADDRESS_KEY, BILL_TO_ADDRESS_KEY, SHIP_TO_CUSTOMER_ID, BILL_TO_CUSTOMER_ID, HAS_OTHER_SHIPMENTS, PARENT_SHIPMENT_KEY, SHIP_VIA, SEAL_NO, TRACKING_NO, TRAILER_NO, MANIFEST_NO, PRO_NO, SCAC, ACTUAL_FREIGHT_CHARGE, CARRIER_SERVICE_CODE, REQUESTED_CARRIER_SERVICE_CODE, STATUS, POD_NO, BOL_NO, TOTAL_WEIGHT, TOTAL_WEIGHT_UOM, TOTAL_VOLUME, TOTAL_VOLUME_UOM, TOTAL_QUANTITY, CONTAINERIZED_QUANTITY, PLACED_QUANTITY, IS_PRODUCT_PLACING_COMPLETE, IS_PACK_PROCESS_COMPLETE, IS_REVISED, HOLD_FLAG, IT_NO, IT_DATE, APPOINTMENT_NO, FROM_APPOINTMENT, TO_APPOINTMENT, DELIVERY_TS, CODE, NUM_OF_PALLETS, NUM_OF_CARTONS , EXPORT_TAXPAYER_ID, FREIGHT_TERMS, DELIVERY_CODE, CARRIER_TYPE, DOWNLOAD_COUNT, CURRENCY, DELIVERY_PLAN_KEY, SHIPMENT_NO, PIPELINE_KEY, GIFT_FLAG, SHIPMENT_PLANNED_FLAG, SHIPMENT_CLOSED_FLAG, SELLER_ORGANIZATION_CODE, BUYER_ORGANIZATION_CODE, ENTERPRISE_CODE, REQUESTED_SHIPMENT_DATE, EXPECTED_SHIPMENT_DATE, ACTUAL_SHIPMENT_DATE, REQUESTED_DELIVERY_DATE, EXPECTED_DELIVERY_DATE, ACTUAL_DELIVERY_DATE, RETURN_BY_DATE, RETURN_AUTHORIZATION_NUMBER, DOCUMENT_TYPE, ORIGIN_ZONE, DESTINATION_ZONE, STATUS_DATE, SHIPMENT_TYPE, COMMERCIAL_VALUE, HAZARDOUS_MATERIAL_FLAG, TOTAL_ESTIMATED_CHARGE, TOTAL_ACTUAL_CHARGE, NEXT_ALERT_TS, SHIPMENT_CONFIRM_UPDATES_DONE, SHIPMENT_DELIVER_UPDATES_DONE, SHIPMENT_CONTAINERIZED_FLAG, SCAC_INTEGRATION_REQUIRED, PACKLIST_TYPE, CUSTCARRIER_ACCOUNT_NO, MANIFEST_KEY, IS_SINGLE_ORDER, LINES_ENTERED, ORDER_AVAILABLE_ON_SYSTEM, OVERRIDE_MANUAL_SHIPMENT_ENTRY, DO_NOT_VERIFY_PALLET_CONTENT, DO_NOT_VERIFY_CASE_CONTENT, ALLOW_OVERAGE, MANUALLY_ENTERED, ALLOW_NEW_ITEM_RECEIP T, ORDER_NO, ORDER_HEADER_KEY, RELEASE_NO, ORDER_RELEASE_KEY, EXPORT_LICENSE_NO, EXPORT_LICENSE_EXP_DATE, DELIVERY_METHOD, REQUIRES_APPT_CONFIRMATION, WORK_ORDER_KEY, WORK_ORDER_APPT_KEY, ORDER_TYPE, DO_NOT_CONSOLIDATE, DEPARTMENT_CODE, ITEM_CLASSIFICATION, MARK_FOR_KEY, BUYER_MARK_FOR_NODE_ID, ROUTING_CONTACT_INFO, CUSTOMER_PO_NO, CARRIER_PICKUP_TIME, PACK_AND_HOLD, ESP_CHECK_REQUIRED, IS_APPOINTMENT_REQD, ROUTING_SOURCE, ROUTING_ERROR_CODE, ROUTING_GUIDE_MAINTAINED, MUST_SHIP_BEFORE_DATE, PRIORITY_CODE, ESTIMATED_PRICE, HAS_NODE_EXCEPTIONS, COD_PAY_METHOD, AIRWAY_BILL_NO, INVOICE_COMPLETE, EXPECTED_PICK_DATE, RETURN_CARRIER_SERVICE, RETURN_FREIGHT_TERMS, RETURN_BILLING_ACCOUNT, BREAK_BULK_NODE, BBN_MIN_WEIGHT, BBN_MIN_VOLUME, FEDX_OPEN_SHIP_INDEX, ITN_NO, EMAIL_RETURN_LABEL, PROFILE_ID, PROFILEID_PROVIDED_BY_STERLING, LEVEL_OF_SERVICE, HOLD_LOCATION, ASSIGNED_TO_USER_ID, LOCKID, CREATETS, MODIFYTS, CREATEUSERID, MODIFYUSERID, CREATEPROGID, MODIFYPROGID, SHIPMENT_SORT_LOCATION_ID, CAR RIER_SORT_LOCATION_ID, SHIPMENT_GROUP_ID, NOTIFICATION_SENT, PICKTICKET_PRINTED, BACKROOM_PICK_REQUIRED, INCLUDED_IN_BATCH, EXTN_LATE_NIGHT_PKUP_FLG, EXTN_CC_OVERRIDE_REASON_CODE, EXTN_CLAT_BAR_CDE, EXTN_CC_OVERRIDE_REASON_TEXT, EXTN_CC_OVERRIDE_USERID, EXTN_SRC_ID, EXTN_SHP_LBL_IMG_DTA, EXTN_UPS_SHP_ID, EXTN_SHP_ACKN_CARR_PKUP_FLG, EXTN_PCKG_NO, EXTN_CARR_SVC_NM, EXTN_CARR_NM, EXTN_IN_HAND_DT, EXTN_CARR_SVC_GRP_VAL, EXTN_TRANST_DAY_VAL, EXTN_TRIG_EMAIL_FLG, EXTN_CARR_RTN_FLG, EXTN_SHP_CNFRM_EMAIL_TRIG_TS, INDEX_VERSION) values (:1 , :2 , :3 , :4 , :5 , :6 , :7 , :8 , :9 , :10 , :11 , :12 , :13 , :14 , :15 , :16 , :17 , :18 , :19 , :20 , :21 , :22 , :23 , :24 , :25 , :26 , :27 , :28 , :29 , :30 , :31 , :32 , :33 , :34 , :35 , :36 , :37 , :38 , :39 , :40 , :41 , :42 , :43 , :44 , :45 , :46 , :47 , :48 , :49 , :50 , :51 , :52 , :53 , :54 , :55 , :56 , :57 , :58 , :59 , :60 , :61 , :62 , :63 , :64 , :65 , :66 , :67 , :68 , :69 , :70 , :71 , :72 , :73 , :74 , :75 , :76 , :77 , :78 , :79 , :80 , :81 , :82 , :83 , :84 , :85 , :86 , :87 , :88 , :89 , :90 , :91 , :92 , :93 , :94 , :95 , :96 , :97 , :98 , :99 , :100 , :101 , :102 , :103 , :104 , :105 , :106 , :107 , :108 , :109 , :110 , :111 , :112 , :113 , :114 , :115 , :116 , :117 , :118 , :119 , :120 , :121 , :122 , :123 , :124 , :125 , :126 , :127 , :128 , :129 , :130 , :131 , :132 , :133 , :134 , :135 , :136 , :137 , :138 , :139 , :140 , :141 , :142 , :143 , :144 , :145 , :146 , :147 , :148 , :149 , :150 , :151 , :152 , :153 , :154 , :155 , :156 , :157 , :158 , :159 , :160 , :161 , :162 , :163 , :164 , :165 , :166 , :167 , :168 , :169 , :170 , :171 , :172 , :173 , :174 , :175 , :176 , :177 , :178 , :179 , :180 , :181 ) |
| gvth7543gv1v1 | SELECT /*YANTRA*/ EOMS_BBYM_HDR.* FROM EOMS_BBYM_HDR EOMS_BBYM_HDR WHERE EOMS_BBYM_HDR.ORDER_LINE_KEY= :1 AND EOMS_BBYM_HDR.ORDER_HEADER_KEY= :2 |
| gw4tv4mjv4ubr | SELECT YOH.ORDER_HEADER_KEY, YOH.ORDER_NO, YOH.PAYMENT_STATUS, YOH.TOTAL_AMOUNT FROM YFS_ORDER_HEADER YOH WHERE YOH.ORDER_CLOSED = :"SYS_B_0" AND YOH.PAYMENT_STATUS <> :"SYS_B_1" AND YOH.DOCUMENT_TYPE = :"SYS_B_2" AND YOH.ENTERPRISE_KEY = :"SYS_B_3" AND YOH.MODIFYTS >= (sysdate-:1 ) AND NOT EXISTS (SELECT( :"SYS_B_4" ) FROM yfs_order_hold_type yhp WHERE yhp.ORDER_HEADER_KEY = yoh.ORDER_HEADER_KEY AND yhp.hold_type IN ( :"SYS_B_5", :"SYS_B_6", :"SYS_B_7") ) AND yoh.ORDER_HEADER_KEY > RPAD(:2 , :"SYS_B_8", :"SYS_B_9") AND ROWNUM <= :3 |

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# Instance Activity Statistics



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## Key Instance Activity Stats

- Ordered by statistic name

| Statistic | Total | per Second | per Trans |
|---|---|---|---|
| db block changes | 923,992,010 | 256,349.28 | 23.64 |
| execute count | 731,794,947 | 203,026.76 | 18.73 |
| gc cr block receive time | 1,881 | 0.52 | 0.00 |
| gc cr blocks received | 10,324 | 2.86 | 0.00 |
| gc current block receive time | 150,697 | 41.81 | 0.00 |
| gc current blocks received | 1,180,060 | 327.39 | 0.03 |
| logons cumulative | 5,785 | 1.60 | 0.00 |
| opened cursors cumulative | 735,078,562 | 203,937.76 | 18.81 |
| parse count (total) | 753,289,234 | 208,990.07 | 19.28 |
| parse time elapsed | 2,016,955 | 559.58 | 0.05 |
| physical reads | 56,959,867 | 15,802.76 | 1.46 |
| physical writes | 24,163,995 | 6,703.98 | 0.62 |
| redo size | 198,913,380,260 | 55,185,868.78 | 5,090.19 |
| session cursor cache hits | 756,071,253 | 209,761.90 | 19.35 |
| session logical reads | 11,707,426,181 | 3,248,069.51 | 299.59 |
| user calls | 2,374,681,726 | 658,823.83 | 60.77 |
| user commits | 7,447,993 | 2,066.35 | 0.19 |
| user rollbacks | 31,629,765 | 8,775.26 | 0.81 |
| workarea executions - onepass | 12 | 0.00 | 0.00 |
| workarea executions - optimal | 49,363,877 | 13,695.35 | 1.26 |

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# Instance Activity Stats

- Ordered by statistic name

| Statistic | Total | per Second | per Trans |
|---|---|---|---|
| ASSM bg: segment fix monitor | 6 | 0.00 | 0.00 |
| ASSM cbk:blocks examined | 30,804,986 | 8,546.43 | 0.79 |
| ASSM cbk:blocks marked full | 2,413,500 | 669.59 | 0.06 |
| ASSM gsp:L1 bitmaps examined | 29,221,727 | 8,107.18 | 0.75 |
| ASSM gsp:L2 bitmap full | 1,411,879 | 391.71 | 0.04 |
| ASSM gsp:L2 bitmaps examined | 3,221,282 | 893.70 | 0.08 |
| ASSM gsp:L3 bitmaps examined | 1,374,328 | 381.29 | 0.04 |
| ASSM gsp:Optimized data block rejects | 0 | 0.00 | 0.00 |
| ASSM gsp:Optimized index block rejects | 0 | 0.00 | 0.00 |
| ASSM gsp:Optimized reject DB | 8,040,375 | 2,230.69 | 0.21 |
| ASSM gsp:Optimized reject l1 | 799,439 | 221.79 | 0.02 |
| ASSM gsp:Optimized reject l2 | 3,457 | 0.96 | 0.00 |
| ASSM gsp:Search all | 55,262 | 15.33 | 0.00 |
| ASSM gsp:Search hint | 1,132,419 | 314.17 | 0.03 |
| ASSM gsp:Search steal | 6,183 | 1.72 | 0.00 |
| ASSM gsp:bump HWM | 6,183 | 1.72 | 0.00 |
| ASSM gsp:get free block | 26,511,361 | 7,355.22 | 0.68 |
| ASSM gsp:get free data block | 25,179,836 | 6,985.81 | 0.64 |
| ASSM gsp:get free index block | 1,095,461 | 303.92 | 0.03 |
| ASSM gsp:get free lob block | 233,854 | 64.88 | 0.01 |
| ASSM gsp:good hint | 25,917,327 | 7,190.42 | 0.66 |
| ASSM gsp:reject L1 | 804,090 | 223.08 | 0.02 |
| ASSM gsp:reject L2 | 2,241 | 0.62 | 0.00 |
| ASSM gsp:reject db | 2,116,174 | 587.10 | 0.05 |
| ASSM rsv:alloc from reserve | 0 | 0.00 | 0.00 |
| ASSM rsv:alloc from reserve succ | 0 | 0.00 | 0.00 |
| ASSM rsv:clear reserve | 0 | 0.00 | 0.00 |
| ASSM rsv:fill reserve | 4 | 0.00 | 0.00 |
| ASSM wasted db state change | 344,255 | 95.51 | 0.01 |
| Batched IO (bound) vector count | 55,541 | 15.41 | 0.00 |
| Batched IO (full) vector count | 16 | 0.00 | 0.00 |
| Batched IO (space) vector count | 0 | 0.00 | 0.00 |
| Batched IO block miss count | 359,446 | 99.72 | 0.01 |
| Batched IO buffer defrag count | 48 | 0.01 | 0.00 |
| Batched IO double miss count | 568 | 0.16 | 0.00 |
| Batched IO same unit count | 200,925 | 55.74 | 0.01 |
| Batched IO single block count | 31,153 | 8.64 | 0.00 |
| Batched IO slow jump count | 4 | 0.00 | 0.00 |
| Batched IO vector block count | 138,357 | 38.39 | 0.00 |
| Batched IO vector read count | 24,954 | 6.92 | 0.00 |
| Block Cleanout Optim referenced | 4,979,404 | 1,381.47 | 0.13 |
| CCursor + sql area evicted | 79 | 0.02 | 0.00 |
| CPU used by this session | 25,451,550 | 7,061.19 | 0.65 |
| CPU used when call started | 25,184,416 | 6,987.08 | 0.64 |
| CR blocks created | 105,495,768 | 29,268.40 | 2.70 |
| Cached Commit SCN referenced | 580,944 | 161.18 | 0.01 |
| Client Advertised Receive Window | 0 | 0.00 | 0.00 |
| Client Advertised Send Window | 0 | 0.00 | 0.00 |
| Client Path Maximum Transmission Unit(MTU) | 0 | 0.00 | 0.00 |
| Client Send Congestion Window | 0 | 0.00 | 0.00 |
| Client Time (usec) Last Ack Received | 0 | 0.00 | 0.00 |
| Client Time (usec) Last Data Received | 0 | 0.00 | 0.00 |
| Client Time (usec) Last Data Sent | 0 | 0.00 | 0.00 |
| Client Time (usec) Round Trip Time | 0 | 0.00 | 0.00 |
| Client Time (usec) Round Trip Time Variance | 0 | 0.00 | 0.00 |
| Client Total Bytes Acked | 0 | 0.00 | 0.00 |
| Client Total Bytes Received | 0 | 0.00 | 0.00 |
| Clusterwide global transactions | 0 | 0.00 | 0.00 |
| Commit SCN cached | 4,178 | 1.16 | 0.00 |
| DBWR checkpoint buffers written | 21,698,130 | 6,019.86 | 0.56 |
| DBWR checkpoints | 738 | 0.20 | 0.00 |
| DBWR fusion writes | 2,125 | 0.59 | 0.00 |
| DBWR object drop buffers written | 360 | 0.10 | 0.00 |
| DBWR parallel query checkpoint buffers written | 738,344 | 204.84 | 0.02 |
| DBWR tablespace checkpoint buffers written | 0 | 0.00 | 0.00 |

| | | | |
|---|---|---|---|
| DBWR transaction table writes | 24,821 | 6.89 | 0.00 |
| DBWR undo block writes | 5,003,094 | 1,388.04 | 0.13 |
| DFO trees parallelized | 917 | 0.25 | 0.00 |
| DML statements retried | 0 | 0.00 | 0.00 |
| DX/BB enqueue lock background get time | 0 | 0.00 | 0.00 |
| DX/BB enqueue lock background gets | 0 | 0.00 | 0.00 |
| DX/BB enqueue lock foreground requests | 0 | 0.00 | 0.00 |
| Effective IO time | 5,182,790,976 | 1,437,896.35 | 132.63 |
| HSC Heap Segment Block Changes | 71,055,294 | 19,713.35 | 1.82 |
| Heap Segment Array Deletes | 1 | 0.00 | 0.00 |
| Heap Segment Array Inserts | 1,520,210 | 421.76 | 0.04 |
| Heatmap BlkLevel Flushed | 0 | 0.00 | 0.00 |
| Heatmap BlkLevel Flushed to BF | 0 | 0.00 | 0.00 |
| Heatmap BlkLevel Ranges Flushed | 0 | 0.00 | 0.00 |
| Heatmap Blklevel Flush Task Count | 1 | 0.00 | 0.00 |
| KTFB alloc req | 53,535 | 14.85 | 0.00 |
| KTFB alloc space (block) | 96,982,073,344 | 26,906,384.91 | 2,481.77 |
| KTFB alloc time (ms) | 36,911,317 | 10,240.55 | 0.94 |
| KTFB apply req | 43,143 | 11.97 | 0.00 |
| KTFB apply time (ms) | 865,697 | 240.18 | 0.02 |
| KTFB commit req | 0 | 0.00 | 0.00 |
| KTFB commit time (ms) | 0 | 0.00 | 0.00 |
| KTFB free req | 0 | 0.00 | 0.00 |
| KTFB free space (block) | 0 | 0.00 | 0.00 |
| KTFB free time (ms) | 0 | 0.00 | 0.00 |
| LOB table id lookup cache misses | 0 | 0.00 | 0.00 |
| Number of read IOs issued | 3,037,482 | 842.71 | 0.08 |
| PX local messages recv'd | 36,133 | 10.02 | 0.00 |
| PX local messages sent | 36,133 | 10.02 | 0.00 |
| PX remote messages recv'd | 3,018 | 0.84 | 0.00 |
| PX remote messages sent | 4,661 | 1.29 | 0.00 |
| Parallel operations downgraded to serial | 0 | 0.00 | 0.00 |
| Parallel operations not downgraded | 947 | 0.26 | 0.00 |
| Requests to/from client | 1,070,160,957 | 296,901.91 | 27.39 |
| RowCR - row contention | 2,662,214 | 738.60 | 0.07 |
| RowCR attempts | 75,971,038 | 21,077.15 | 1.94 |
| RowCR hits | 51,415,300 | 14,264.49 | 1.32 |
| SCN increments due to another database | 0 | 0.00 | 0.00 |
| SMON posted for instance recovery | 0 | 0.00 | 0.00 |
| SMON posted for undo segment recovery | 0 | 0.00 | 0.00 |
| SMON posted for undo segment shrink | 0 | 0.00 | 0.00 |
| SQL*Net roundtrips to/from client | 1,070,139,010 | 296,895.82 | 27.38 |
| SQL*Net roundtrips to/from dblink | 0 | 0.00 | 0.00 |
| TBS Extension: bytes extended | 6,815,744,000 | 1,890,937.42 | 174.41 |
| TBS Extension: files extended | 65 | 0.02 | 0.00 |
| TBS Extension: tasks created | 6 | 0.00 | 0.00 |
| TBS Extension: tasks executed | 6 | 0.00 | 0.00 |
| active txn count during cleanout | 1,571,422,863 | 435,970.35 | 40.21 |
| background checkpoints completed | 24 | 0.01 | 0.00 |
| background checkpoints started | 24 | 0.01 | 0.00 |
| background timeouts | 55,973 | 15.53 | 0.00 |
| blocks cleaned out using minact | 1,646,980 | 456.93 | 0.04 |
| branch node splits | 3,949 | 1.10 | 0.00 |
| buffer is not pinned count | 3,475,418,267 | 964,208.52 | 88.94 |
| buffer is pinned count | 2,484,606,914 | 689,321.11 | 63.58 |
| bytes received via SQL*Net from client | 444,259,976,745 | 123,254,015.13 | 11,368.61 |
| bytes received via SQL*Net from dblink | 0 | 0.00 | 0.00 |
| bytes sent via SQL*Net to client | 2,553,443,894,740 | 708,419,008.95 | 65,342.64 |
| bytes sent via SQL*Net to dblink | 0 | 0.00 | 0.00 |
| bytes via SQL*Net vector to client | 6,386,444,242 | 1,771,833.92 | 163.43 |
| calls to get snapshot scn: kcmgss | 771,512,730 | 214,045.93 | 19.74 |
| calls to kcmgas | 58,105,122 | 16,120.49 | 1.49 |
| calls to kcmgcs | 878,855,479 | 243,826.75 | 22.49 |
| cell physical IO interconnect bytes | 2,631,786,498,560 | 730,154,121.23 | 67,347.43 |
| change write time | 582,742 | 161.67 | 0.01 |
| cleanout - number of ktugct calls | 145,831,964 | 40,459.14 | 3.73 |
| cleanouts and rollbacks - consistent read gets | 101,519,529 | 28,165.24 | 2.60 |
| cleanouts only - consistent read gets | 5,003,594 | 1,388.18 | 0.13 |
| cluster key scan block gets | 11,350 | 3.15 | 0.00 |
| cluster key scans | 10,752 | 2.98 | 0.00 |
| commit batch performed | 0 | 0.00 | 0.00 |
| commit batch requested | 0 | 0.00 | 0.00 |
| commit batch/immediate performed | 205,405 | 56.99 | 0.01 |

| | | | |
|---|---|---|---|
| commit batch/immediate requested | 205,406 | 56.99 | 0.01 |
| commit cleanout failures: block lost | 154,581 | 42.89 | 0.00 |
| commit cleanout failures: buffer being written | 4,344 | 1.21 | 0.00 |
| commit cleanout failures: callback failure | 20,924,635 | 5,805.26 | 0.54 |
| commit cleanout failures: cannot pin | 413,794 | 114.80 | 0.01 |
| commit cleanouts | 186,851,036 | 51,839.33 | 4.78 |
| commit cleanouts successfully completed | 165,353,817 | 45,875.21 | 4.23 |
| commit immediate performed | 205,405 | 56.99 | 0.01 |
| commit immediate requested | 205,405 | 56.99 | 0.01 |
| commit txn count during cleanout | 55,059,147 | 15,275.43 | 1.41 |
| consistent changes | 2,230,458,768 | 618,811.09 | 57.08 |
| consistent gets | 10,368,274,188 | 2,876,539.62 | 265.32 |
| consistent gets direct | 41,251,837 | 11,444.77 | 1.06 |
| consistent gets examination | 5,927,022,732 | 1,644,373.54 | 151.67 |
| consistent gets examination (fastpath) | 5,918,503,117 | 1,642,009.88 | 151.45 |
| consistent gets from cache | 10,327,033,753 | 2,865,098.01 | 264.27 |
| consistent gets pin | 4,400,034,607 | 1,220,731.01 | 112.60 |
| consistent gets pin (fastpath) | 4,312,990,047 | 1,196,581.66 | 110.37 |
| cumulative DB time in requests | 2,580,111,313,037 | 715,817,529.07 | 66,025.06 |
| cursor authentications | 36 | 0.01 | 0.00 |
| cursor reload failures | 0 | 0.00 | 0.00 |
| data blocks consistent reads - undo records applied | 2,190,828,074 | 607,816.08 | 56.06 |
| db block changes | 923,992,010 | 256,349.28 | 23.64 |
| db block gets | 1,339,324,893 | 371,577.86 | 34.27 |
| db block gets direct | 555,536 | 154.13 | 0.01 |
| db block gets from cache | 1,338,769,962 | 371,423.90 | 34.26 |
| db block gets from cache (fastpath) | 1,032,333,705 | 286,407.24 | 26.42 |
| deferred (CURRENT) block cleanout applications | 10,276,989 | 2,851.21 | 0.26 |
| dirty buffers inspected | 15,162 | 4.21 | 0.00 |
| enqueue conversions | 32,594 | 9.04 | 0.00 |
| enqueue deadlocks | 1 | 0.00 | 0.00 |
| enqueue releases | 43,557,272 | 12,084.39 | 1.11 |
| enqueue requests | 43,697,870 | 12,123.39 | 1.12 |
| enqueue timeouts | 144,748 | 40.16 | 0.00 |
| enqueue waits | 790,830 | 219.41 | 0.02 |
| exchange deadlocks | 105,661 | 29.31 | 0.00 |
| execute count | 731,794,947 | 203,026.76 | 18.73 |
| failed probes on index block reclamation | 11,373 | 3.16 | 0.00 |
| file io service time | 118,011,316 | 32,740.67 | 3.02 |
| free buffer inspected | 39,831,230 | 11,050.64 | 1.02 |
| free buffer requested | 151,426,740 | 42,011.33 | 3.88 |
| gc blocks compressed | 22,255 | 6.17 | 0.00 |
| gc blocks lost | 4 | 0.00 | 0.00 |
| gc claim blocks lost | 0 | 0.00 | 0.00 |
| gc cleanout applied | 0 | 0.00 | 0.00 |
| gc cleanout saved | 4 | 0.00 | 0.00 |
| gc cr anti locks created | 893,803 | 247.97 | 0.02 |
| gc cr anti locks expanded | 1 | 0.00 | 0.00 |
| gc cr anti locks shrunk | 15,349 | 4.26 | 0.00 |
| gc cr block build time | 11 | 0.00 | 0.00 |
| gc cr block flush time | 686 | 0.19 | 0.00 |
| gc cr block receive time | 1,881 | 0.52 | 0.00 |
| gc cr blocks built | 4,811 | 1.33 | 0.00 |
| gc cr blocks flushed | 722 | 0.20 | 0.00 |
| gc cr blocks received | 10,324 | 2.86 | 0.00 |
| gc cr blocks served | 11,523 | 3.20 | 0.00 |
| gc cr bypass requests | 0 | 0.00 | 0.00 |
| gc cr multiblock grant time | 64,096 | 17.78 | 0.00 |
| gc cr multiblock grants received | 329,152 | 91.32 | 0.01 |
| gc current block flush time | 30 | 0.01 | 0.00 |
| gc current block pin time | 143 | 0.04 | 0.00 |
| gc current block receive time | 150,697 | 41.81 | 0.00 |
| gc current blocks flushed | 28 | 0.01 | 0.00 |
| gc current blocks pinned | 6 | 0.00 | 0.00 |
| gc current blocks received | 1,180,060 | 327.39 | 0.03 |
| gc current blocks served | 15,369 | 4.26 | 0.00 |
| gc force cr read cr | 2,228 | 0.62 | 0.00 |
| gc force cr read current | 2 | 0.00 | 0.00 |
| gc kbytes saved | 245,981 | 68.24 | 0.01 |
| gc kbytes sent | 184,291 | 51.13 | 0.00 |
| gc local grants | 20,689,391 | 5,740.00 | 0.53 |
| gc merge pi bg | 0 | 0.00 | 0.00 |

| | | | |
|---|---|---|---|
| gc merge pi fg | 162 | 0.04 | 0.00 |
| gc no change made | 2,516 | 0.70 | 0.00 |
| gc read time waited | 0 | 0.00 | 0.00 |
| gc read wait timeouts | 0 | 0.00 | 0.00 |
| gc read waits | 0 | 0.00 | 0.00 |
| gc reader bypass grants | 400 | 0.11 | 0.00 |
| gc reader bypass waits | 47 | 0.01 | 0.00 |
| gc remote grants | 3,680,817 | 1,021.19 | 0.09 |
| gc status messages received | 2,146,800 | 595.60 | 0.05 |
| gc status messages sent | 1,042 | 0.29 | 0.00 |
| gc undo block disk read | 5,035 | 1.40 | 0.00 |
| gcs affinity lock failures | 18 | 0.00 | 0.00 |
| gcs affinity lock grants | 15,601,414 | 4,328.40 | 0.40 |
| gcs anti-locks created | 893,836 | 247.98 | 0.02 |
| gcs data block access record drops | 0 | 0.00 | 0.00 |
| gcs data block access records | 17,673,001 | 4,903.14 | 0.45 |
| gcs messages sent | 15,941,419 | 4,422.73 | 0.41 |
| gcs read-mostly lock failures | 225,021 | 62.43 | 0.01 |
| gcs read-mostly lock grants | 2,449,480 | 679.58 | 0.06 |
| gcs stats management (SCM) process posts | 0 | 0.00 | 0.00 |
| ges messages sent | 424,363 | 117.73 | 0.01 |
| global enqueue gets async | 2 | 0.00 | 0.00 |
| global enqueue gets sync | 190,195,486 | 52,767.21 | 4.87 |
| global enqueue releases | 190,046,940 | 52,725.99 | 4.86 |
| heap block compress | 13,642,815 | 3,785.02 | 0.35 |
| hot buffers moved to head of LRU | 49,680,831 | 13,783.29 | 1.27 |
| immediate (CR) block cleanout applications | 106,523,484 | 29,553.52 | 2.73 |
| immediate (CURRENT) block cleanout applications | 7,584,124 | 2,104.11 | 0.19 |
| index crx state invalidation | 1 | 0.00 | 0.00 |
| index crx upgrade (positioned) | 724,004 | 200.87 | 0.02 |
| index crx upgrade (prefetch) | 2,066 | 0.57 | 0.00 |
| index fast full scans (full) | 23,792 | 6.60 | 0.00 |
| index fetch by key | 258,142,468 | 71,618.19 | 6.61 |
| index range scans | 538,011,436 | 149,264.11 | 13.77 |
| index reclamation/extension switch | 0 | 0.00 | 0.00 |
| index split cancel op set | 3,931 | 1.09 | 0.00 |
| index split cancel wait clean | 9,952 | 2.76 | 0.00 |
| index split cancel wait noclean | 437,473 | 121.37 | 0.01 |
| leaf node 90-10 splits | 77,967 | 21.63 | 0.00 |
| leaf node splits | 1,078,952 | 299.34 | 0.03 |
| lob reads | 7,959,347 | 2,208.21 | 0.20 |
| lob writes | 10,795,910 | 2,995.18 | 0.28 |
| lob writes unaligned | 10,795,918 | 2,995.18 | 0.28 |
| logical read bytes from cache | 191,133,521,870,848 | 53,027,450,659.51 | 4,891,107.67 |
| logons cumulative | 5,785 | 1.60 | 0.00 |
| max cf enq hold time | 16,693 | 4.63 | 0.00 |
| messages received | 12,260,036 | 3,401.38 | 0.31 |
| messages sent | 12,260,025 | 3,401.38 | 0.31 |
| min active SCN optimization applied on CR | 693,427,300 | 192,382.17 | 17.74 |
| no buffer to keep pinned count | 2,259 | 0.63 | 0.00 |
| no work - consistent read gets | 4,074,598,258 | 1,130,443.03 | 104.27 |
| non-idle wait count | 1,379,988,010 | 382,859.30 | 35.31 |
| opened cursors cumulative | 735,078,562 | 203,937.76 | 18.81 |
| parse count (describe) | 3 | 0.00 | 0.00 |
| parse count (failures) | 4 | 0.00 | 0.00 |
| parse count (hard) | 93 | 0.03 | 0.00 |
| parse count (total) | 753,289,234 | 208,990.07 | 19.28 |
| parse time cpu | 1,569,775 | 435.51 | 0.04 |
| parse time elapsed | 2,016,955 | 559.58 | 0.05 |
| physical read IO requests | 18,261,341 | 5,066.37 | 0.47 |
| physical read bytes | 933,230,624,768 | 258,912,410.68 | 23,881.38 |
| physical read total IO requests | 18,871,885 | 5,235.75 | 0.48 |
| physical read total bytes | 1,395,061,919,232 | 387,041,353.94 | 35,699.64 |
| physical read total multi block requests | 1,091,593 | 302.85 | 0.03 |
| physical reads | 56,959,867 | 15,802.76 | 1.46 |
| physical reads cache | 15,019,390 | 4,166.93 | 0.38 |
| physical reads cache prefetch | 705,384 | 195.70 | 0.02 |
| physical reads direct | 41,940,303 | 11,635.78 | 1.07 |
| physical reads direct (lob) | 3,161,779 | 877.19 | 0.08 |
| physical reads direct temporary tablespace | 121,351 | 33.67 | 0.00 |
| physical reads prefetch warmup | 0 | 0.00 | 0.00 |
| physical write IO requests | 13,193,244 | 3,660.29 | 0.34 |
| physical write bytes | 395,904,352,256 | 109,838,390.98 | 10,131.19 |

| | | | |
|---|---|---|---|
| physical write total IO requests | 38,650,376 | 10,723.03 | 0.99 |
| physical write total bytes | 1,236,723,656,704 | 343,112,511.31 | 31,647.76 |
| physical write total multi block requests | 1,441,667 | 399.97 | 0.04 |
| physical writes | 24,163,995 | 6,703.98 | 0.62 |
| physical writes direct | 1,160,550 | 321.98 | 0.03 |
| physical writes direct (lob) | 850,356 | 235.92 | 0.02 |
| physical writes direct temporary tablespace | 292,560 | 81.17 | 0.01 |
| physical writes from cache | 23,003,477 | 6,382.01 | 0.59 |
| physical writes non checkpoint | 12,896,472 | 3,577.95 | 0.33 |
| pinned buffers inspected | 41,623 | 11.55 | 0.00 |
| prefetch clients - default | 0 | 0.00 | 0.00 |
| prefetch warmup blocks aged out before use | 0 | 0.00 | 0.00 |
| prefetched blocks aged out before use | 63 | 0.02 | 0.00 |
| process last non-idle time | 3,602 | 1.00 | 0.00 |
| queries parallelized | 124 | 0.03 | 0.00 |
| recovery blocks read | 174 | 0.05 | 0.00 |
| recursive aborts on index block reclamation | 37 | 0.01 | 0.00 |
| recursive calls | 52,840,595 | 14,659.92 | 1.35 |
| recursive cpu usage | 652,770 | 181.10 | 0.02 |
| redo KB read | 203,192,186 | 56,372.97 | 5.20 |
| redo blocks checksummed by FG (exclusive) | 126,260,258 | 35,029.23 | 3.23 |
| redo blocks checksummed by LGWR | 0 | 0.00 | 0.00 |
| redo blocks read for recovery | 0 | 0.00 | 0.00 |
| redo blocks written | 407,767,290 | 113,129.61 | 10.43 |
| redo blocks written (group 0) | 232,043,261 | 64,377.31 | 5.94 |
| redo blocks written (group 1) | 175,659,270 | 48,734.33 | 4.50 |
| redo buffer allocation retries | 36,478 | 10.12 | 0.00 |
| redo entries | 520,900,998 | 144,517.05 | 13.33 |
| redo k-bytes read for recovery | 0 | 0.00 | 0.00 |
| redo log space requests | 44,702 | 12.40 | 0.00 |
| redo ordering marks | 329,451 | 91.40 | 0.01 |
| redo size | 198,913,380,260 | 55,185,868.78 | 5,090.19 |
| redo size for direct writes | 6,713,126,864 | 1,862,467.66 | 171.79 |
| redo subscn max counts | 27,828 | 7.72 | 0.00 |
| redo synch long waits | 234,593 | 65.08 | 0.01 |
| redo synch time | 10,078,846 | 2,796.24 | 0.26 |
| redo synch time (usec) | 100,788,642,142 | 27,962,466.74 | 2,579.18 |
| redo synch time overhead (usec) | 7,282,313,116 | 2,020,380.81 | 186.35 |
| redo synch time overhead count ( 2ms) | 6,942,960 | 1,926.23 | 0.18 |
| redo synch time overhead count ( 8ms) | 605,708 | 168.05 | 0.02 |
| redo synch time overhead count ( 32ms) | 86,828 | 24.09 | 0.00 |
| redo synch time overhead count (128ms) | 5,460 | 1.51 | 0.00 |
| redo synch time overhead count (inf) | 257 | 0.07 | 0.00 |
| redo synch writes | 7,672,844 | 2,128.73 | 0.20 |
| redo wastage | 3,096,683,588 | 859,133.63 | 79.24 |
| redo write active strands | 12,514,783 | 3,472.06 | 0.32 |
| redo write broadcast ack count | 15,283 | 4.24 | 0.00 |
| redo write broadcast ack time | 9,397,820 | 2,607.30 | 0.24 |
| redo write broadcast lgwr post count | 17 | 0.00 | 0.00 |
| redo write finish time | 5,176,639,286 | 1,436,189.64 | 132.47 |
| redo write gather time | 2,080,287,357 | 577,148.03 | 53.23 |
| redo write info find | 7,641,358 | 2,119.99 | 0.20 |
| redo write info find fail | 175 | 0.05 | 0.00 |
| redo write issue time | 2,103,334,828 | 583,542.24 | 53.82 |
| redo write schedule time | 2,102,873,239 | 583,414.18 | 53.81 |
| redo write size count ( 4KB) | 53,935 | 14.96 | 0.00 |
| redo write size count ( 8KB) | 66,541 | 18.46 | 0.00 |
| redo write size count ( 16KB) | 46,233 | 12.83 | 0.00 |
| redo write size count ( 32KB) | 81,892 | 22.72 | 0.00 |
| redo write size count ( 128KB) | 524,074 | 145.40 | 0.01 |
| redo write size count ( 256KB) | 377,099 | 104.62 | 0.01 |
| redo write size count ( 512KB) | 144,117 | 39.98 | 0.00 |
| redo write size count (1024KB) | 37,002 | 10.27 | 0.00 |
| redo write size count (inf) | 8,790 | 2.44 | 0.00 |
| redo write time | 697,615 | 193.54 | 0.02 |
| redo write time (usec) | 6,976,159,825 | 1,935,442.65 | 178.52 |
| redo write total time | 8,490,312,495 | 2,355,524.15 | 217.27 |
| redo write worker delay (usec) | 6,079,093,238 | 1,686,563.47 | 155.56 |
| redo write worker delay count | 3,966,599 | 1,100.48 | 0.10 |
| redo writes | 1,339,697 | 371.68 | 0.03 |
| redo writes (group 0) | 669,266 | 185.68 | 0.02 |
| redo writes (group 1) | 670,406 | 186.00 | 0.02 |

| | | | |
|---|---|---|---|
| redo writes adaptive all | 1,339,695 | 371.68 | 0.03 |
| redo writes adaptive worker | 1,339,671 | 371.67 | 0.03 |
| remote Oradebug requests | 41 | 0.01 | 0.00 |
| rollback changes - undo records applied | 17,265,567 | 4,790.10 | 0.44 |
| rollbacks only - consistent read gets | 5,962,060 | 1,654.09 | 0.15 |
| root node splits | 0 | 0.00 | 0.00 |
| rows fetched via callback | 97,125,356 | 26,946.14 | 2.49 |
| saved cleanout failures: callback failure | 0 | 0.00 | 0.00 |
| saved cleanouts | 0 | 0.00 | 0.00 |
| saved cleanouts successfully completed | 0 | 0.00 | 0.00 |
| securefile allocation bytes | 7,335,198,720 | 2,035,053.22 | 187.71 |
| securefile allocation chunks | 353,476 | 98.07 | 0.01 |
| securefile bytes non-transformed | 4,531,849,063 | 1,257,301.18 | 115.97 |
| securefile direct read bytes | 8,780,922,880 | 2,436,150.13 | 224.70 |
| securefile direct read ops | 492,407 | 136.61 | 0.01 |
| securefile direct write bytes | 7,335,231,488 | 2,035,062.31 | 187.71 |
| securefile direct write ops | 353,199 | 97.99 | 0.01 |
| securefile number of non-transformed flushes | 325,989 | 90.44 | 0.01 |
| segment cfs allocations | 0 | 0.00 | 0.00 |
| segment chunks allocation from dispenser | 353,471 | 98.07 | 0.01 |
| segment dispenser allocations | 325,998 | 90.44 | 0.01 |
| segment dispenser load empty | 8 | 0.00 | 0.00 |
| segment dispenser load tasks | 66 | 0.02 | 0.00 |
| segment prealloc bytes | 6,764,363,776 | 1,876,682.66 | 173.10 |
| segment prealloc ops | 72,302 | 20.06 | 0.00 |
| segment prealloc tasks | 53,902 | 14.95 | 0.00 |
| segment prealloc time (ms) | 502,568 | 139.43 | 0.01 |
| segment prealloc ufs2cfs bytes | 2,446,589,952 | 678,773.81 | 62.61 |
| segment total chunk allocation | 0 | 0.00 | 0.00 |
| session connect time | 0 | 0.00 | 0.00 |
| session cursor cache hits | 756,071,253 | 209,761.90 | 19.35 |
| session logical reads | 11,707,426,181 | 3,248,069.51 | 299.59 |
| shared hash latch upgrades - no wait | 170,206,427 | 47,221.51 | 4.36 |
| shared hash latch upgrades - wait | 80,096 | 22.22 | 0.00 |
| shared io pool buffer get failure | 469,024 | 130.12 | 0.01 |
| sorts (disk) | 4 | 0.00 | 0.00 |
| sorts (memory) | 99,842,308 | 27,699.92 | 2.55 |
| sorts (rows) | 360,884,235 | 100,122.53 | 9.24 |
| sql area evicted | 64 | 0.02 | 0.00 |
| sql area purged | 27 | 0.01 | 0.00 |
| summed dirty queue length | 3,190,563 | 885.18 | 0.08 |
| switch current caused by our pin | 12,103,398 | 3,357.93 | 0.31 |
| switch current to new buffer | 14,419,155 | 4,000.40 | 0.37 |
| table fetch by rowid | 2,245,419,664 | 622,961.79 | 57.46 |
| table fetch continued row | 45,671,297 | 12,670.89 | 1.17 |
| table scan blocks gotten | 1,269,424,667 | 352,184.97 | 32.48 |
| table scan disk non-IMC rows gotten | 75,866,400,677 | 21,048,122.69 | 1,941.42 |
| table scan rows gotten | 75,866,388,344 | 21,048,119.27 | 1,941.42 |
| table scans (direct read) | 8,802 | 2.44 | 0.00 |
| table scans (long tables) | 17,836 | 4.95 | 0.00 |
| table scans (rowid ranges) | 8,802 | 2.44 | 0.00 |
| table scans (short tables) | 21,597,648 | 5,991.98 | 0.55 |
| total cf enq hold time | 71,012 | 19.70 | 0.00 |
| total number of cf enq holders | 1,637 | 0.45 | 0.00 |
| total number of times SMON posted | 0 | 0.00 | 0.00 |
| transaction lock background get time | 0 | 0.00 | 0.00 |
| transaction lock background gets | 56 | 0.02 | 0.00 |
| transaction lock foreground requests | 56 | 0.02 | 0.00 |
| transaction rollbacks | 205,396 | 56.98 | 0.01 |
| transaction tables consistent read rollbacks | 8,789 | 2.44 | 0.00 |
| transaction tables consistent reads - undo records applied | 1,403,284 | 389.32 | 0.04 |
| undo block recovery disk reads skipped | 0 | 0.00 | 0.00 |
| undo change vector size | 65,546,917,904 | 18,185,119.60 | 1,677.35 |
| user calls | 2,374,681,726 | 658,823.83 | 60.77 |
| user commits | 7,447,993 | 2,066.35 | 0.19 |
| user logons cumulative | 3,892 | 1.08 | 0.00 |
| user logouts cumulative | 3,728 | 1.03 | 0.00 |
| user rollbacks | 31,629,765 | 8,775.26 | 0.81 |
| workarea executions - onepass | 12 | 0.00 | 0.00 |
| workarea executions - optimal | 49,363,877 | 13,695.35 | 1.26 |
| write clones created in background | 56 | 0.02 | 0.00 |
| write clones created in foreground | 10,599 | 2.94 | 0.00 |

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## Instance Activity Stats - Absolute Values

- Statistics with absolute values (should not be diffed)

| Statistic | Begin Value | End Value |
|---|---|---|
| logons current | 11,701 | 11,953 |
| opened cursors current | 45,067 | 58,711 |
| session cursor cache count | 16,149,637 | 16,391,175 |
| session pga memory | 48,141,501,888 | 51,647,644,272 |
| session pga memory max | 181,500,125,440 | 189,571,784,144 |
| session uga memory | 264,794,314,904 | 267,956,133,856 |
| session uga memory max | 3,279,735,964,080 | 3,305,957,463,592 |
| workarea memory allocated | 11,236 | 158,325 |

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## Instance Activity Stats - Thread Activity

- Statistics identified by '(derived)' come from sources other than SYSSTAT

| Statistic | Total | per Hour |
|---|---|---|
| log switches (derived) | 24 | 23.97 |

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# IO Stats



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## IOStat by Function summary

- 'Data' columns suffixed with M,G,T,P are in multiples of 1024 other columns suffixed with K,M,G,T,P are in multiples of 1000
- ordered by (Data Read + Write) desc

| Function Name | Reads: Data | Reqs per sec | Data per sec | Writes: Data | Reqs per sec | Data per sec | Waits: Count | Avg Time |
|---|---|---|---|---|---|---|---|---|
| Direct Reads | 635.9G | 3207302.11 | 180.656M | 2.1G | 13.11 | .596M | 0 | |
| Others | 203.3G | 172940.01 | 57.748M | 396.6G | 203.61 | 112.672M | 599.5K | 1.27ms |
| LGWR | 4M | 0.09 | .001M | 387.5G | 6923.38 | 110.087M | 3.9M | 2.04ms |
| DBWR | 12M | 0.21 | .003M | 350.5G | 3443.37 | 99.584M | 753 | 1.27ms |
| Buffer Cache Reads | 231G | 140196.80 | 65.638M | 0M | 0.00 | 0M | 14.4M | 1.85ms |
| RMAN | 225.2G | 2142906.14 | 63.965M | 222M | 0.69 | .062M | 6415 | 4.29ms |
| Direct Writes | 3M | 197.57 | .001M | 10.4G | 110.75 | 2.963M | 83 | 1.58ms |
| Recovery | 0M | 551.39 | 0M | 0M | 0.00 | 0M | 0 | |
| TOTAL: | 1.3T | 5664094.32 | 368.012M | 1.1T | 10694.90 | 325.963M | 18.9M | 1.87ms |

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## IOStat by Filetype summary

- 'Data' columns suffixed with M,G,T,P are in multiples of 1024 other columns suffixed with K,M,G,T,P are in multiples of 1000
- Small Read and Large Read are average service times
- Ordered by (Data Read + Write) desc

| Filetype Name | Reads: Data | Reqs per sec | Data per sec | Writes: Data | Reqs per sec | Data per sec | Small Read | Large Read |
|---|---|---|---|---|---|---|---|---|
| Data File | 864.8G | 5059.40 | 245.694M | 364.2G | 3655.42 | 103.456M | 1.27ms | 5.18ms |
| Archive Log | 227.5G | 64.67 | 64.634M | 388.6G | 110.39 | 110.387M | 2.04ms | 33.77ms |
| Log File | 194.3G | 55.40 | 55.201M | 388.3G | 6934.42 | 110.314M | 5.84ms | 7.95ms |
| Temp File | 4.1G | 3.35 | 1.169M | 4.5G | 3.68 | 1.27M | 10.60ms | 8.24ms |
| Control File | 5.3G | 34.75 | 1.511M | 326M | 4.07 | .09M | 1.21ms | 6.08ms |
| Other | 4.6G | 11.90 | 1.293M | 99M | 0.22 | .027M | 459.64us | 356.93us |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| TOTAL: | 1.3T | 5229.47 | 369.501M | 1.1T | 10708.21 | 325.546M | 1.27ms | 11.69ms |

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# IOStat by Function/Filetype summary

- 'Data' columns suffixed with M,G,T,P are in multiples of 1024 other columns suffixed with K,M,G,T,P are in multiples of 1000
- Ordered by (Data Read + Write) desc for each function

| Function/File Name | Reads: Data | Reqs per sec | Data per sec | Writes: Data | Reqs per sec | Data per sec | Waits: Count | Avg Time |
|---|---|---|---|---|---|---|---|---|
| Direct Reads | 635.9G | 3207302.11 | 180.656M | 2.1G | 13.11 | .596M | 0 | |
| Direct Reads (Data File) | 634G | 3175103.88 | 180.13M | 804M | 12.73 | .223M | 0 | |
| Direct Reads (Temp File) | 1.9G | 32198.23 | .526M | 1.3G | 0.37 | .373M | 0 | |
| Others | 200.9G | 144961.77 | 57.065M | 396.6G | 203.60 | 112.672M | 395.5K | 1.85ms |
| Others (Archive Log) | 0M | 0.00 | 0M | 384.9G | 109.35 | 109.346M | 0 | |
| Others (Log File) | 192.5G | 140363.01 | 54.68M | 0M | 0.00 | 0M | 376 | 1.67ms |
| Others (Data File) | 4.2G | 76.56 | 1.194M | 11.5G | 90.72 | 3.268M | 275.4K | 1.89ms |
| Others (Control File) | 4.2G | 4515.67 | 1.191M | 190M | 3.37 | .053M | 119.8K | 1.76ms |
| Others (Temp File) | 1M | 6.50 | 0M | 21M | 0.15 | .006M | 0 | |
| Others (External Table) | 0M | 0.02 | 0M | 0M | 0.00 | 0M | 0 | |
| LGWR | 4M | 0.09 | .001M | 387.5G | 6923.38 | 110.087M | 414 | 1.75ms |
| LGWR (Log File) | 0M | 0.03 | 0M | 387.5G | 6923.17 | 110.084M | 184 | 2.02ms |
| LGWR (Control File) | 4M | 0.06 | .001M | 12M | 0.21 | .003M | 230 | 1.53ms |
| DBWR | 12M | 0.21 | .003M | 350.5G | 3443.37 | 99.584M | 753 | 1.27ms |
| DBWR (Data File) | 3M | 0.05 | .001M | 350.5G | 3443.27 | 99.582M | 177 | 1.50ms |
| DBWR (Control File) | 9M | 0.16 | .002M | 0M | 0.00 | 0M | 576 | 1.20ms |
| DBWR (Temp File) | 0M | 0.00 | 0M | 6M | 0.10 | .002M | 0 | |
| Buffer Cache Reads | 229.9G | 135973.75 | 65.301M | 0M | 0.00 | 0M | 14.3M | 1.84ms |
| Buffer Cache Reads (Data File) | 227.6G | 127598.57 | 64.659M | 0M | 0.00 | 0M | 14.3M | 1.84ms |
| Buffer Cache Reads (Temp File) | 2.3G | 8375.17 | .642M | 0M | 0.00 | 0M | 3885 | 3.98ms |
| RMAN | 224.2G | 2127786.86 | 63.698M | 123M | 0.47 | .034M | 4748 | 3.80ms |
| RMAN (Archive Log) | 223.1G | 141573.99 | 63.39M | 0M | 0.00 | 0M | 130 | 2.33ms |
| RMAN (Control File) | 1.1G | 2558.24 | .308M | 123M | 0.47 | .034M | 4618 | 3.84ms |
| RMAN (Data File) | 0M | 1983654.64 | 0M | 0M | 0.00 | 0M | 0 | |
| Direct Writes | 3M | 128.82 | .001M | 10.4G | 110.75 | 2.963M | 83 | 1.58ms |
| Direct Writes (Data File) | 1M | 47.58 | 0M | 7.3G | 107.69 | 2.073M | 0 | |
| Direct Writes (Temp File) | 1M | 71.39 | 0M | 3.1G | 3.05 | .89M | 0 | |
| Direct Writes (Control File) | 1M | 9.84 | 0M | 0M | 0.00 | 0M | 83 | 1.58ms |
| Recovery (Data File) | 0M | 5.53 | 0M | 0M | 0.00 | 0M | 0 | |
| Recovery (Log File) | 0M | 545.73 | 0M | 0M | 0.00 | 0M | 0 | |
| Recovery | 0M | 551.26 | 0M | 0M | 0.00 | 0M | 0 | |
| TOTAL: | 1.3T | 5616704.86 | 366.726M | 1.1T | 10694.68 | 325.936M | 14.7M | 1.84ms |

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# Tablespace IO Stats

**No data exists for this section of the report.**

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# File IO Stats

**No data exists for this section of the report.**

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# Buffer Pool Statistics



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# Buffer Pool Statistics

- Standard block size Pools D: default, K: keep, R: recycle
- Default Pools for other block sizes: 2k, 4k, 8k, 16k, 32k

| P | Number of Buffers | Pool Hit% | Buffer Gets | Physical Reads | Physical Writes | Free Buff Wait | Writ Comp Wait | Buffer Busy Waits |
|---|---|---|---|---|---|---|---|---|
| D | 63,971,328 | 100 | 11,660,749,267 | 15,036,512 | 22,992,082 | 0 | 66 | 2,306,366 |
| R | 281,124 | 100 | 403 | 0 | 0 | 0 | 0 | 0 |

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# Checkpoint Activity

- Total Physical Writes: 24,163,995

| MTTR Writes | Log Size Writes | Log Ckpt Writes | Other Settings Writes | Autotune Ckpt Writes | Thread Ckpt Writes |
|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 20,946,522 | 0 |

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# Advisory Statistics



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# Instance Recovery Stats

- B: Begin Snapshot, E: End Snapshot

| | Targt MTTR (s) | Estd MTTR (s) | Recovery Estd IOs | Actual RedoBlks | Target RedoBlks | Log Sz RedoBlks | Log Ckpt Timeout RedoBlks | Log Ckpt Interval RedoBlks | Opt Log Sz(M) | Estd RAC Avail Time |
|---|---|---|---|---|---|---|---|---|---|---|
| B | 1051 | 190 | 1603168 | 36361495 | 118908486 | 118908486 | 127458078 | | 344414 | 55 |
| E | 970 | 191 | 1700777 | 35483029 | 118908486 | 118908486 | 156198595 | | 319907 | 53 |

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# MTTR Advisory

- Only rows at end snap are displayed
- Estimated Writes and I/Os are in thousands

| Size for Est (s) | Dirty Limit | Est Cache Writes | Est Cache Write Fctr | Est Total Writes | Est Total Write Fctr | Est Total IOs | Est Total IO Fctr |
|---|---|---|---|---|---|---|---|
| 2 | 7,514 | 1,076,001 | 14.04 | 1,082,370 | 13.04 | 1,709,442 | 2.41 |
| 170 | 1,052,918 | 113,222 | 1.48 | 119,591 | 1.44 | 746,663 | 1.05 |
| 339 | 2,099,643 | 90,946 | 1.19 | 97,315 | 1.17 | 724,387 | 1.02 |
| 507 | 3,140,174 | 79,416 | 1.04 | 85,785 | 1.03 | 712,857 | 1.00 |
| 676 | 4,189,142 | 76,622 | 1.00 | 82,991 | 1.00 | 710,063 | 1.00 |

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# Buffer Pool Advisory

- Only rows with estimated physical reads >0 are displayed
- ordered by Block Size, Buffers For Estimate

| P | Size for Est (M) | Size Factor | Buffers (thousands) | Est Phys Read Factor | Estimated Phys Reads (thousands) | Est Phys Read Time | Est %DBtime for Rds |
|---|---|---|---|---|---|---|---|
| D | 104,448 | 0.10 | 6,372 | 113.37 | 57,566,013 | 1 | 43576820.00 |
| D | 208,896 | 0.20 | 12,744 | 45.30 | 23,004,147 | 1 | 17362861.00 |
| D | 313,344 | 0.30 | 19,116 | 25.98 | 13,194,508 | 1 | 9922595.00 |
| D | 417,792 | 0.40 | 25,489 | 18.68 | 9,485,832 | 1 | 7109694.00 |
| D | 522,240 | 0.50 | 31,861 | 13.07 | 6,638,998 | 1 | 4950472.00 |
| D | 626,688 | 0.60 | 38,233 | 6.11 | 3,101,692 | 1 | 2267550.00 |
| D | 731,136 | 0.70 | 44,605 | 3.05 | 1,547,866 | 1 | 1089027.00 |
| D | 835,584 | 0.80 | 50,977 | 1.73 | 876,766 | 1 | 580021.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| D | 940,032 | 0.90 | 57,349 | 1.27 | 644,165 | 1 | 403601.00 |
| D | 1,044,480 | 1.00 | 63,721 | 1.01 | 511,452 | 1 | 302943.00 |
| D | 1,048,576 | 1.00 | 63,971 | 1.00 | 507,785 | 1 | 300163.00 |
| D | 1,148,928 | 1.10 | 70,094 | 0.88 | 447,212 | 1 | 254220.00 |
| D | 1,253,376 | 1.20 | 76,466 | 0.78 | 398,070 | 1 | 216947.00 |
| D | 1,357,824 | 1.29 | 82,838 | 0.71 | 361,643 | 1 | 189319.00 |
| D | 1,462,272 | 1.39 | 89,210 | 0.67 | 337,744 | 1 | 171192.00 |
| D | 1,566,720 | 1.49 | 95,582 | 0.62 | 314,341 | 1 | 153442.00 |
| D | 1,671,168 | 1.59 | 101,954 | 0.58 | 293,645 | 1 | 137744.00 |
| D | 1,775,616 | 1.69 | 108,326 | 0.53 | 271,471 | 1 | 120926.00 |
| D | 1,880,064 | 1.79 | 114,699 | 0.50 | 255,555 | 1 | 108855.00 |
| D | 1,984,512 | 1.89 | 121,071 | 0.49 | 248,010 | 1 | 103132.00 |
| D | 2,088,960 | 1.99 | 127,443 | 0.48 | 243,571 | 1 | 99765.00 |
| R | 512 | 0.11 | 31 | 1.00 | 0 | 1 | 0.00 |
| R | 1,024 | 0.22 | 62 | 1.00 | 0 | 1 | 0.00 |
| R | 1,536 | 0.33 | 94 | 1.00 | 0 | 1 | 0.00 |
| R | 2,048 | 0.44 | 125 | 1.00 | 0 | 1 | 0.00 |
| R | 2,560 | 0.56 | 156 | 1.00 | 0 | 1 | 0.00 |
| R | 3,072 | 0.67 | 187 | 1.00 | 0 | 1 | 0.00 |
| R | 3,584 | 0.78 | 219 | 1.00 | 0 | 1 | 0.00 |
| R | 4,096 | 0.89 | 250 | 1.00 | 0 | 1 | 0.00 |
| R | 4,608 | 1.00 | 281 | 1.00 | 0 | 1 | 0.00 |
| R | 5,120 | 1.11 | 312 | 1.00 | 0 | 1 | 0.00 |
| R | 5,632 | 1.22 | 344 | 1.00 | 0 | 1 | 0.00 |
| R | 6,144 | 1.33 | 375 | 1.00 | 0 | 1 | 0.00 |
| R | 6,656 | 1.44 | 406 | 1.00 | 0 | 1 | 0.00 |
| R | 7,168 | 1.56 | 437 | 1.00 | 0 | 1 | 0.00 |
| R | 7,680 | 1.67 | 469 | 1.00 | 0 | 1 | 0.00 |
| R | 8,192 | 1.78 | 500 | 1.00 | 0 | 1 | 0.00 |
| R | 8,704 | 1.89 | 531 | 1.00 | 0 | 1 | 0.00 |
| R | 9,216 | 2.00 | 562 | 1.00 | 0 | 1 | 0.00 |

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# PGA Aggr Summary

- PGA cache hit % - percentage of W/A (WorkArea) data processed only in-memory

| PGA Cache Hit % | W/A MB Processed | Extra W/A MB Read/Written |
|---|---|---|
| 96.89 | 193,997 | 6,222 |

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# PGA Aggr Target Stats

- B: Begin Snap E: End Snap (rows dentified with B or E contain data which is absolute i.e. not diffed over the interval)
- Auto PGA Target - actual workarea memory target
- W/A PGA Used - amount of memory used for all Workareas (manual + auto)
- %PGA W/A Mem - percentage of PGA memory allocated to workareas
- %Auto W/A Mem - percentage of workarea memory controlled by Auto Mem Mgmt
- %Man W/A Mem - percentage of workarea memory under manual control

| | PGA Aggr Target(M) | Auto PGA Target(M) | PGA Mem Alloc(M) | W/A PGA Used(M) | %PGA W/A Mem | %Auto W/A Mem | %Man W/A Mem | Global Mem Bound(K) |
|---|---|---|---|---|---|---|---|---|
| B | 16,384 | 1,024 | 75,951.68 | 46.38 | 0.06 | 100.00 | 0.00 | 1,048,576 |
| E | 16,384 | 1,024 | 82,320.26 | 187.86 | 0.23 | 100.00 | 0.00 | 1,048,576 |

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# PGA Aggr Target Histogram

- Optimal Executions are purely in-memory operations

| Low Optimal | High Optimal | Total Execs | Optimal Execs | 1-Pass Execs | M-Pass Execs |
|---|---|---|---|---|---|
| 2K | 4K | 49,150,420 | 49,150,420 | 0 | 0 |
| 64K | 128K | 24,087 | 24,087 | 0 | 0 |
| 128K | 256K | 6,261 | 6,261 | 0 | 0 |
| 256K | 512K | 67,382 | 67,382 | 0 | 0 |
| 512K | 1024K | 6,997 | 6,997 | 0 | 0 |
| 1M | 2M | 2,760 | 2,760 | 0 | 0 |

| | | | | | |
|---|---|---|---|---|---|
| 2M | 4M | 677 | 677 | 0 | 0 |
| 4M | 8M | 432 | 432 | 0 | 0 |
| 8M | 16M | 121 | 121 | 0 | 0 |
| 16M | 32M | 193 | 193 | 0 | 0 |
| 32M | 64M | 430 | 430 | 0 | 0 |
| 64M | 128M | 64 | 58 | 6 | 0 |
| 128M | 256M | 10 | 10 | 0 | 0 |
| 256M | 512M | 14 | 12 | 2 | 0 |
| 512M | 1024M | 27 | 27 | 0 | 0 |
| 1G | 2G | 8 | 4 | 4 | 0 |

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# PGA Memory Advisory

- When using Auto Memory Mgmt, minimally choose a pga_aggregate_target value where Estd PGA Overalloc Count is 0

| PGA Target Est (MB) | Size Factr | W/A MB Processed | Estd Extra W/A MB Read/ Written to Disk | Estd PGA Cache Hit % | Estd PGA Overalloc Count | Estd Time |
|---|---|---|---|---|---|---|
| 2,048 | 0.13 | 16,197,346.52 | 20,076,910.99 | 45.00 | 91,375 | 410,365,796 |
| 4,096 | 0.25 | 16,197,346.52 | 20,076,247.72 | 45.00 | 91,360 | 410,358,293 |
| 8,192 | 0.50 | 16,197,346.52 | 20,076,247.72 | 45.00 | 91,360 | 410,358,293 |
| 12,288 | 0.75 | 16,197,346.52 | 20,076,247.72 | 45.00 | 91,360 | 410,358,293 |
| 16,384 | 1.00 | 16,197,346.52 | 1,875,011.10 | 90.00 | 91,357 | 204,450,151 |
| 19,661 | 1.20 | 16,197,346.52 | 1,875,011.10 | 90.00 | 91,349 | 204,450,151 |
| 22,938 | 1.40 | 16,197,346.52 | 1,875,011.10 | 90.00 | 91,347 | 204,450,151 |
| 26,214 | 1.60 | 16,197,346.52 | 1,875,011.10 | 90.00 | 87,833 | 204,450,151 |
| 29,491 | 1.80 | 16,197,346.52 | 1,844,046.93 | 90.00 | 82,285 | 204,099,857 |
| 32,768 | 2.00 | 16,197,346.52 | 1,824,205.45 | 90.00 | 80,490 | 203,875,393 |
| 49,152 | 3.00 | 16,197,346.52 | 1,716,439.14 | 90.00 | 13,449 | 202,656,247 |
| 65,536 | 4.00 | 16,197,346.52 | 1,694,077.11 | 91.00 | 2,641 | 202,403,269 |
| 98,304 | 6.00 | 16,197,346.52 | 1,689,133.97 | 91.00 | 0 | 202,347,348 |
| 131,072 | 8.00 | 16,197,346.52 | 1,689,133.97 | 91.00 | 0 | 202,347,348 |

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# Shared Pool Advisory

- SP: Shared Pool Est LC: Estimated Library Cache Factr: Factor
- Note there is often a 1:Many correlation between a single logical object in the Library Cache, and the physical number of memory objects associated with it. Therefore comparing the number of Lib Cache objects (e.g. in v$librarycache), with the number of Lib Cache Memory Objects is invalid.

| Shared Pool Size(M) | SP Size Factr | Est LC Size (M) | Est LC Mem Obj | Est LC Time Saved (s) | Est LC Time Saved Factr | Est LC Load Time (s) | Est LC Load Time Factr | Est LC Mem Obj Hits (K) |
|---|---|---|---|---|---|---|---|---|
| 51,200 | 0.50 | 969 | 23,000 | 698,839,478 | 1.00 | 877,030 | 1.00 | 2,212,871 |
| 61,440 | 0.60 | 11,208 | 83,945 | 698,839,518 | 1.00 | 876,990 | 1.00 | 2,212,876 |
| 71,680 | 0.70 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,877 |
| 81,920 | 0.80 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,877 |
| 92,160 | 0.90 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,877 |
| 97,280 | 0.95 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,877 |
| 97,792 | 0.96 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,877 |
| 98,304 | 0.96 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,877 |
| 98,816 | 0.97 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,877 |
| 99,328 | 0.97 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,877 |
| 99,840 | 0.98 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,877 |
| 100,352 | 0.98 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,877 |
| 100,864 | 0.99 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,877 |
| 101,376 | 0.99 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,877 |
| 101,888 | 1.00 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,877 |
| 102,400 | 1.00 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 102,912 | 1.01 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 103,424 | 1.01 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 103,936 | 1.02 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 104,448 | 1.02 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 104,960 | 1.03 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 105,472 | 1.03 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 105,984 | 1.04 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 106,496 | 1.04 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 107,008 | 1.05 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 112,640 | 1.10 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 122,880 | 1.20 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 133,120 | 1.30 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 143,360 | 1.40 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 153,600 | 1.50 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 163,840 | 1.60 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 174,080 | 1.70 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 184,320 | 1.80 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 194,560 | 1.90 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |
| 204,800 | 2.00 | 18,584 | 125,611 | 698,839,531 | 1.00 | 876,977 | 1.00 | 2,212,880 |

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## SGA Target Advisory

**No data exists for this section of the report.**

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## Streams Pool Advisory

| Size for Est (MB) | Size Factor | Est Spill Count | Est Spill Time (s) | Est Unspill Count | Est Unspill Time (s) |
|---|---|---|---|---|---|
| 512 | 0.17 | 0 | 0 | 0 | 0 |
| 1,024 | 0.33 | 0 | 0 | 0 | 0 |
| 1,536 | 0.50 | 0 | 0 | 0 | 0 |
| 2,048 | 0.67 | 0 | 0 | 0 | 0 |
| 2,560 | 0.83 | 0 | 0 | 0 | 0 |
| 3,072 | 1.00 | 0 | 0 | 0 | 0 |
| 3,584 | 1.17 | 0 | 0 | 0 | 0 |
| 4,096 | 1.33 | 0 | 0 | 0 | 0 |
| 4,608 | 1.50 | 0 | 0 | 0 | 0 |
| 5,120 | 1.67 | 0 | 0 | 0 | 0 |
| 5,632 | 1.83 | 0 | 0 | 0 | 0 |
| 6,144 | 2.00 | 0 | 0 | 0 | 0 |
| 6,656 | 2.17 | 0 | 0 | 0 | 0 |
| 7,168 | 2.33 | 0 | 0 | 0 | 0 |
| 7,680 | 2.50 | 0 | 0 | 0 | 0 |
| 8,192 | 2.67 | 0 | 0 | 0 | 0 |
| 8,704 | 2.83 | 0 | 0 | 0 | 0 |
| 9,216 | 3.00 | 0 | 0 | 0 | 0 |
| 9,728 | 3.17 | 0 | 0 | 0 | 0 |
| 10,240 | 3.33 | 0 | 0 | 0 | 0 |

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## Java Pool Advisory

| Java Pool Size(M) | JP Size Factr | Est LC Size (M) | Est LC Mem Obj | Est LC Time Saved (s) | Est LC Time Saved Factr | Est LC Load Time (s) | Est LC Load Time Factr | Est LC Mem Obj Hits |
|---|---|---|---|---|---|---|---|---|
| 512 | 0.14 | 8 | 216 | 1 | 1.00 | 877,016 | 1.00 | 266 |
| 1,024 | 0.29 | 8 | 216 | 1 | 1.00 | 877,016 | 1.00 | 266 |
| 1,536 | 0.43 | 8 | 216 | 1 | 1.00 | 877,016 | 1.00 | 266 |
| 2,048 | 0.57 | 8 | 216 | 1 | 1.00 | 877,016 | 1.00 | 266 |
| 2,560 | 0.71 | 8 | 216 | 1 | 1.00 | 877,016 | 1.00 | 266 |
| 3,072 | 0.86 | 8 | 216 | 1 | 1.00 | 877,016 | 1.00 | 266 |
| 3,584 | 1.00 | 8 | 216 | 1 | 1.00 | 877,016 | 1.00 | 266 |
| 4,096 | 1.14 | 8 | 216 | 1 | 1.00 | 877,016 | 1.00 | 266 |
| 4,608 | 1.29 | 8 | 216 | 1 | 1.00 | 877,016 | 1.00 | 266 |
| 5,120 | 1.43 | 8 | 216 | 1 | 1.00 | 877,016 | 1.00 | 266 |
| 5,632 | 1.57 | 8 | 216 | 1 | 1.00 | 877,016 | 1.00 | 266 |
| 6,144 | 1.71 | 8 | 216 | 1 | 1.00 | 877,016 | 1.00 | 266 |
| 6,656 | 1.86 | 8 | 216 | 1 | 1.00 | 877,016 | 1.00 | 266 |
| 7,168 | 2.00 | 8 | 216 | 1 | 1.00 | 877,016 | 1.00 | 266 |
| 7,680 | 2.14 | 8 | 216 | 1 | 1.00 | 877,016 | 1.00 | 266 |
| 8,192 | 2.29 | 8 | 216 | 1 | 1.00 | 877,016 | 1.00 | 266 |

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# Wait Statistics



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# Buffer Wait Statistics

- ordered by wait time desc, waits desc

| Class | Waits | Total Wait Time (s) | Avg Time (ms) |
|---|---|---|---|
| data block | 1,493,738 | 10,322 | 7 |
| undo block | 593,165 | 842 | 1 |
| undo header | 187,707 | 221 | 1 |
| 1st level bmb | 18,570 | 26 | 1 |
| 3rd level bmb | 2,982 | 6 | 2 |
| 2nd level bmb | 3,074 | 5 | 1 |
| segment header | 877 | 2 | 3 |
| free list | 11 | 0 | 5 |

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# Enqueue Activity

- only enqueues with requests are shown
- Enqueue stats gathered prior to 10g should not be compared with 10g data
- ordered by Wait Time desc, Waits desc, Requests desc

| Enqueue Type (Request Reason) | Requests | Succ Gets | Failed Gets | Waits | Wt Time (s) | Av Wt Time(ms) |
|---|---|---|---|---|---|---|
| TX-Transaction (row lock contention) | 257,537 | 242,990 | 14,568 | 242,812 | 236,491 | 973.97 |
| TX-Transaction (allocate ITL entry) | 50,417 | 16,872 | 33,513 | 42,138 | 31,175 | 739.82 |
| TX-Transaction (index contention) | 459,684 | 459,460 | 0 | 401,137 | 8,777 | 21.88 |
| HW-Segment High Water Mark | 1,864,143 | 1,812,312 | 51,829 | 45,792 | 472 | 10.31 |
| SQ-Sequence Cache | 53,813 | 53,813 | 0 | 6,015 | 206 | 34.22 |
| FB-Format Block | 89,245 | 89,244 | 0 | 45,116 | 178 | 3.95 |
| WL-Being Written Redo Log | 102 | 27 | 75 | 15 | 67 | 4,496.93 |
| TX-Transaction | 10,124,366 | 10,114,204 | 4,474 | 564 | 51 | 90.91 |
| KO-Multiple Object Checkpoint (fast object checkpoint) | 270 | 270 | 0 | 75 | 21 | 284.84 |
| CF-Controlfile Transaction | 10,274 | 10,237 | 37 | 662 | 9 | 14.02 |
| RO-Multiple Object Reuse (fast object reuse) | 3,702 | 3,702 | 0 | 837 | 8 | 9.70 |
| US-Undo Segment | 207 | 207 | 0 | 207 | 7 | 35.90 |
| PS-PX Process Reservation | 8,323 | 7,689 | 632 | 1,361 | 5 | 3.79 |
| XR-Quiesce / Force Logging (database force logging) | 1,154 | 1,154 | 0 | 1,154 | 5 | 4.40 |
| CR-Reuse Block Range (block range reuse ckpt) | 3,014 | 3,014 | 0 | 769 | 4 | 5.16 |
| PW-Buffer Cache PreWarm (flush prewarm buffers) | 301 | 0 | 301 | 301 | 2 | 6.16 |
| JG-Job Scheduler1 (queue lock) | 919,551 | 919,550 | 0 | 78 | 2 | 22.18 |
| PR-Process Startup | 313 | 313 | 0 | 6 | 1 | 181.50 |
| DA-Instance DP Array (Slave Process Array) | 945 | 945 | 0 | 3 | 1 | 331.67 |
| KI-KJCI Serialization Enqueue | 798 | 798 | 0 | 278 | 1 | 3.24 |
| RS-Reclaimable Space (prevent file delete) | 180 | 180 | 0 | 72 | 0 | 4.94 |
| TM-DML | 26,057,396 | 26,036,033 | 0 | 15 | 0 | 15.67 |
| WF-AWR Flush | 128 | 106 | 22 | 76 | 0 | 2.76 |
| CT-Block Change Tracking (state) | 65 | 65 | 0 | 65 | 0 | 3.06 |
| TO-Temp Object | 810 | 810 | 0 | 33 | 0 | 3.88 |
| TD-KTF map table enqueue (KTF dump entries) | 8 | 8 | 0 | 8 | 0 | 6.25 |
| TA-Instance Undo | 12 | 12 | 0 | 12 | 0 | 3.08 |
| DW-In memory Dispenser | 71,673 | 32,813 | 38,860 | 6 | 0 | 4.33 |
| JS-Job Scheduler (job run lock - synchronize) | 127 | 127 | 0 | 4 | 0 | 3.00 |
| AF-Advisor Framework (task serialization) | 40 | 40 | 0 | 3 | 0 | 3.00 |
| MW-MWIN Schedule | 2 | 2 | 0 | 2 | 0 | 3.00 |
| DR-Distributed Recovery | 2 | 2 | 0 | 2 | 0 | 1.50 |
| TT-Tablespace | 1,593,037 | 1,593,035 | 0 | 0 | 0 | |
| MR-Media Recovery | 989,079 | 989,035 | 0 | 0 | 0 | |
| JG-Job Scheduler1 | 919,551 | 919,551 | 0 | 0 | 0 | |
| SJ-KTSJ Slave Task Cancel (Slave Task Cancel) | 128,383 | 128,349 | 0 | 0 | 0 | |
| WG-Write gather local enqueue (lock fso) | 31,392 | 31,392 | 0 | 0 | 0 | |
| JG-Job Scheduler1 (q mem clnup lck) | 24,492 | 24,492 | 0 | 0 | 0 | |
| WG-Write gather local enqueue (delete fso) | 10,464 | 10,464 | 0 | 0 | 0 | |
| DD-ASM Local Disk Group | 8,634 | 8,634 | 0 | 0 | 0 | |
| SE-Session Migration | 5,283 | 5,281 | 0 | 0 | 0 | |
| AE-Edition Lock (lock) | 3,988 | 3,988 | 0 | 0 | 0 | |

| | | | | | |
|---|---|---|---|---|---|
| BU-Buddy Instance Context (recovery set construct) | 854 | 854 | 0 | 0 | 0 |
| IS-Instance State | 843 | 843 | 0 | 0 | 0 |
| SH-Active Session History Flushing | 686 | 686 | 0 | 0 | 0 |
| JZ-Join group dictionary (Join group dictionary) | 471 | 471 | 0 | 0 | 0 |
| FP-File Object (global fob contention) | 151 | 151 | 0 | 0 | 0 |
| PV-KSV slave startup (syncstart) | 129 | 129 | 0 | 0 | 0 |
| PZ-Password File Metadata Cache (load passwordfile metadata) | 93 | 93 | 0 | 0 | 0 |
| WT-AWR CDB-Wide Table Lock | 88 | 88 | 0 | 0 | 0 |
| CT-Block Change Tracking (CTWR process start/stop) | 81 | 81 | 0 | 0 | 0 |
| FD-Flashback Database (Flashback logical operations) | 65 | 65 | 0 | 0 | 0 |
| MV-Online Datafile Move (datafile move) | 65 | 65 | 0 | 0 | 0 |
| SW-Suspend Writes | 65 | 65 | 0 | 0 | 0 |
| XL-ASM Extent Fault Lock (fault extent map) | 65 | 65 | 0 | 0 | 0 |
| TH-Threshold Chain (metric threshold evaluation) | 59 | 59 | 0 | 0 | 0 |
| CU-Cursor | 57 | 57 | 0 | 0 | 0 |
| IT-In-Mem Temp Table Meta Creation | 32 | 32 | 0 | 0 | 0 |
| PF-Password File | 31 | 31 | 0 | 0 | 0 |
| PV-KSV slave startup (syncshut) | 12 | 12 | 0 | 0 | 0 |
| RS-Reclaimable Space (write alert level) | 8 | 8 | 0 | 0 | 0 |
| RS-Reclaimable Space (read alert level) | 6 | 6 | 0 | 0 | 0 |
| RS-Reclaimable Space (prevent aging list update) | 4 | 4 | 0 | 0 | 0 |
| RA-Real-Time ADDM Flood Control (RT ADDM flood control) | 2 | 2 | 0 | 0 | 0 |
| FH-Flush Stat | 1 | 1 | 0 | 0 | 0 |
| PG-Global Parameter | 1 | 1 | 0 | 0 | 0 |

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# Undo Statistics



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## Undo Segment Summary

- Min/Max TR (mins) - Min and Max Tuned Retention (minutes)
- STO - Snapshot Too Old count, OOS - Out of Space count
- Undo segment block stats:
- uS - unexpired Stolen, uR - unexpired Released, uU - unexpired reUsed
- eS - expired Stolen, eR - expired Released, eU - expired reUsed

| Undo TS# | Num Undo Blocks (K) | Number of Transactions | Max Qry Len (s) | Max Tx Concurcy | Min/Max TR (mins) | STO/ OOS | uS/uR/uU/ eS/eR/eU |
|---|---|---|---|---|---|---|---|
| 2 | 4,988.93 | 9,698,361 | 5,005 | 2,197 | 240/240 | 0/0 | 0/0/0/0/0/5266598 |

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## Undo Segment Stats

- Most recent 35 Undostat rows, ordered by Time desc

| End Time | Num Undo Blocks | Number of Transactions | Max Qry Len (s) | Max Tx Concy | Tun Ret (mins) | STO/ OOS | uS/uR/uU/ eS/eR/eU |
|---|---|---|---|---|---|---|---|
| 21-Oct 07:53 | 879,929 | 1,662,219 | 5,005 | 1,994 | 240 | 0/0 | 0/0/0/0/0/999219 |
| 21-Oct 07:43 | 828,943 | 1,611,752 | 4,399 | 2,014 | 240 | 0/0 | 0/0/0/0/0/928595 |
| 21-Oct 07:33 | 741,833 | 1,473,258 | 3,794 | 2,190 | 240 | 0/0 | 0/0/0/0/0/763120 |
| 21-Oct 07:23 | 839,841 | 1,647,599 | 3,190 | 1,897 | 240 | 0/0 | 0/0/0/0/0/752762 |
| 21-Oct 07:13 | 861,510 | 1,695,558 | 2,583 | 2,033 | 240 | 0/0 | 0/0/0/0/0/999209 |
| 21-Oct 07:03 | 836,872 | 1,607,975 | 1,977 | 2,197 | 240 | 0/0 | 0/0/0/0/0/823693 |

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# Latch Statistics



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# Latch Activity

- "Get Requests", "Pct Get Miss" and "Avg Slps/Miss" are statistics for willing-to-wait latch get requests
- "NoWait Requests", "Pct NoWait Miss" are for no-wait latch get requests
- "Pct Misses" for both should be very close to 0.0

| Latch Name | Get Requests | Pct Get Miss | Avg Slps /Miss | Wait Time (s) | NoWait Requests | Pct NoWait Miss |
|---|---|---|---|---|---|---|
| AQ Background: interrupt command latch | 4 | 0.00 | | 0 | 131 | 0.00 |
| AQ Coord jobx_kwsbgsgn latch | 120 | 0.00 | | 0 | 0 | |
| AQ Message drive state object latch | 4 | 0.00 | | 0 | 0 | |
| AQ Sharded master pool latch | 120 | 0.00 | | 0 | 0 | |
| AQ Slave freSlvL_kwsbgsgn latch | 4 | 0.00 | | 0 | 0 | |
| AQ deq hash table latch | 4 | 0.00 | | 0 | 0 | |
| ASM Keyed state latch | 8,413 | 0.08 | 0.14 | 0 | 0 | |
| ASM allocation | 258,557 | 0.00 | 0.00 | 0 | 0 | |
| ASM connection state latch | 301,808 | 0.00 | 0.00 | 0 | 0 | |
| ASM db client latch | 4,783 | 0.00 | | 0 | 0 | |
| ASM map headers | 222,281 | 0.00 | | 0 | 0 | |
| ASM map load waiting list | 1,142 | 0.00 | | 0 | 0 | |
| ASM map operation freelist | 9,825 | 0.04 | 0.00 | 0 | 0 | |
| ASM map operation hash table | 118,373,985 | 0.85 | 0.01 | 6 | 0 | |
| ASM network SGA latch | 96 | 0.00 | | 0 | 0 | |
| ASM network background latch | 435,421 | 0.00 | | 0 | 0 | |
| ASM network state latch | 703 | 0.00 | | 0 | 0 | |
| ASM remote client latch | 58 | 0.00 | | 0 | 0 | |
| ASM scan context latch | 96 | 0.00 | | 0 | 0 | |
| AWR Alerted Metric Element list | 798,218 | 0.00 | | 0 | 0 | |
| Change Notification Hash table latch | 2,032 | 0.00 | | 0 | 0 | |
| Column stats entry latch | 4 | 0.00 | | 0 | 0 | |
| Consistent RBA | 1,350,720 | 0.65 | 0.05 | 2 | 0 | |
| DML lock allocation | 1,482,874,015 | 0.23 | 0.15 | 2066 | 0 | |
| Event Group Locks | 10,333 | 0.00 | | 0 | 0 | |
| FAL Queue | 254 | 0.00 | | 0 | 0 | |
| FIB s.o chain latch | 1,012 | 0.00 | | 0 | 0 | |
| FOB consolidated s.o list latch | 988 | 0.00 | | 0 | 0 | |
| File State Object Pool Parent Latch | 20,922 | 0.00 | | 0 | 0 | |
| GCS logfile block | 4 | 0.00 | | 0 | 0 | |
| GCS logfile write queue | 4 | 0.00 | | 0 | 0 | |
| Hang Manager wait event statistics | 225 | 0.00 | | 0 | 41,426 | 0.00 |
| I/O Staticstics latch | 4 | 0.00 | | 0 | 0 | |
| ILM Stats Stripe Latch | 4 | 0.00 | | 0 | 0 | |
| ILM Stats main anchor latch | 48,083 | 0.01 | 0.00 | 0 | 0 | |
| ILM access tracking extent | 4 | 0.00 | | 0 | 0 | |
| ILM activity tracking latch | 4 | 0.00 | | 0 | 0 | |
| IM Global dictionary latch | 4 | 0.00 | | 0 | 0 | |
| IM Global dictionary queue latch | 4 | 0.00 | | 0 | 0 | |
| IM Global dictionary rw latch | 4 | 0.00 | | 0 | 0 | |
| IM area sb latch | 4 | 0.00 | | 0 | 0 | |
| IM area scb latch | 4 | 0.00 | | 0 | 0 | |
| IM emb latch | 4 | 0.00 | | 0 | 0 | |
| IM seg hdr latch | 4 | 0.00 | | 0 | 0 | |
| IMFS defer write list | 4 | 0.00 | | 0 | 0 | |
| IMXT hash table latch | 4 | 0.00 | | 0 | 0 | |
| IPC other latch | 38 | 0.00 | | 0 | 0 | |
| IPC stats buffer allocation latch | 4 | 0.00 | | 0 | 0 | |
| In memory undo latch | 4 | 0.00 | | 0 | 0 | |
| JS Sh mem access | 12,496 | 0.00 | | 0 | 0 | |
| JS broadcast add buf latch | 12,355 | 0.00 | | 0 | 0 | |
| JS broadcast drop buf latch | 12,355 | 0.00 | | 0 | 0 | |
| JS broadcast load blnc latch | 354 | 0.00 | | 0 | 0 | |
| JS global state obj latch | 1,038 | 0.00 | | 0 | 0 | |
| JS mem alloc latch | 264 | 0.00 | | 0 | 0 | |
| JS queue access latch | 395 | 0.00 | | 0 | 0 | |
| JS queue state obj latch | 1,839,252 | 0.00 | 0.00 | 0 | 0 | |
| JS slv state obj latch | 1,355 | 0.00 | | 0 | 0 | |
| KCNIBR - invalid block range tree | 4 | 0.00 | | 0 | 0 | |
| KDCStatHash latch | 4 | 0.00 | | 0 | 0 | |
| KDFI Buffer Latch | 4 | 0.00 | | 0 | 0 | |
| KDFI Hash Bucket Latch | 4 | 0.00 | | 0 | 0 | |
| KDFI Hash Elem Latch | 4 | 0.00 | | 0 | 0 | |
| KDMADO action list latch | 4 | 0.00 | | 0 | 0 | |
| KDMADO bll latch | 4 | 0.00 | | 0 | 0 | |
| KDMADO latch | 4 | 0.00 | | 0 | 0 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| KFC FX Hash Latch | 4 | 0.00 | | 0 | 0 | |
| KFC Hash Latch | 4 | 0.00 | | 0 | 0 | |
| KFCL LE Freelist | 4 | 0.00 | | 0 | 0 | |
| KFIAS client latch | 4 | 0.00 | | 0 | 0 | |
| KFIAS cluster latch | 4 | 0.00 | | 0 | 0 | |
| KFIAS endpoint latch | 4 | 0.00 | | 0 | 0 | |
| KFIAS node latch | 4 | 0.00 | | 0 | 0 | |
| KFIAS process latch | 4 | 0.00 | | 0 | 0 | |
| KFIAS queue latch | 4 | 0.00 | | 0 | 0 | |
| KFK SGA Libload latch | 260,288 | 0.00 | | 0 | 0 | |
| KFMD SGA | 1,312 | 0.08 | 1.00 | 0 | 0 | |
| KGNFS-NFS:SHM structure | 2,477 | 0.16 | 0.25 | 0 | 0 | |
| KGNFS-NFS:SVR LIST | 1,349 | 0.00 | | 0 | 0 | |
| KJC message pool KGH calls | 12 | 0.00 | | 0 | 0 | |
| KJC message pool free list | 2,943,667 | 0.19 | 0.13 | 6 | 687,918 | 0.99 |
| KJC message pool pending avail list | 4 | 0.00 | | 0 | 2,892,253 | 0.23 |
| KJCT flow control latch | 26,897,954 | 0.04 | 0.03 | 1 | 0 | |
| KMG MMAN ready and startup request latch | 1,200 | 0.00 | | 0 | 0 | |
| KSFS OFS ctx level parent latch | 4 | 0.00 | | 0 | 0 | |
| KSFS OFS req layer parent latch | 4 | 0.00 | | 0 | 0 | |
| KSFS OFS sess layer parent latch | 4 | 0.00 | | 0 | 0 | |
| KSFS Receive and Send Queue latch | 4 | 0.00 | | 0 | 0 | |
| KSFS id table parent latch | 4 | 0.00 | | 0 | 0 | |
| KSFS ksfs_node latch | 4 | 0.00 | | 0 | 0 | |
| KSFSD name cache parent latch | 4 | 0.00 | | 0 | 0 | |
| KSGL LS Segment latch | 4 | 0.00 | | 0 | 0 | |
| KSGL SGA anchor latch | 4 | 0.00 | | 0 | 0 | |
| KSIPC ASPC anchor latch | 4 | 0.00 | | 0 | 0 | |
| KSIPC SGA allocation parent latch | 20,432 | 0.01 | 0.00 | 0 | 0 | |
| KSIPCGSN Hash Table latch | 4 | 0.00 | | 0 | 0 | |
| KSIPCGSN Namespace latch | 4 | 0.00 | | 0 | 0 | |
| KSK PDB IO STAT | 4 | 0.00 | | 0 | 0 | |
| KSRMA SGA anchor latch | 4 | 0.00 | | 0 | 0 | |
| KSRMF SGA anchor latch | 4 | 0.00 | | 0 | 0 | |
| KSWL SGA anchor latch | 4 | 0.00 | | 0 | 0 | |
| KSXR hang analysis phase 1 latch | 4,402 | 0.00 | | 0 | 55 | 0.00 |
| KSXR hang analysis phase 2 latch | 532 | 0.00 | | 0 | 2 | 0.00 |
| KSXR large replies | 130 | 0.00 | | 0 | 0 | |
| KTF sga latch | 16 | 0.00 | | 0 | 1,209 | 0.00 |
| KTILM latch | 4 | 0.00 | | 0 | 0 | |
| KTU in-memory txn table latch | 4 | 0.00 | | 0 | 0 | |
| KTURMA ODPSCN latch | 4 | 0.00 | | 0 | 0 | |
| KTURMA SGA allocation parent latch | 4 | 0.00 | | 0 | 0 | |
| KWQMN job cache list latch | 534 | 0.00 | | 0 | 0 | |
| KWQS pqsubs latch | 224 | 0.00 | | 0 | 0 | |
| KWQS pqueue ctx latch | 59 | 0.00 | | 0 | 0 | |
| Latch for NonceHistory | 4 | 0.00 | | 0 | 0 | |
| Locator state objects pool parent latch | 4 | 0.00 | | 0 | 0 | |
| Lost write change tracking | 4 | 0.00 | | 0 | 0 | |
| Lsod array latch | 148,728 | 0.00 | 0.50 | 0 | 0 | |
| MGA asr alloc latch | 65 | 0.00 | | 0 | 0 | |
| MGA heap latch | 16,327 | 0.33 | 0.63 | 0 | 0 | |
| MGA shared context latch | 89,812 | 1.85 | 1.13 | 129 | 0 | |
| MGA shared context root latch | 16,889 | 10.60 | 1.77 | 91 | 0 | |
| MQL Tracking Latch | 0 | | | 0 | 72 | 0.00 |
| Memory Management Latch | 0 | | | 0 | 1,200 | 0.00 |
| Memory Queue | 4 | 0.00 | | 0 | 0 | |
| Memory Queue Message Subscriber #1 | 4 | 0.00 | | 0 | 0 | |
| Memory Queue Message Subscriber #2 | 4 | 0.00 | | 0 | 0 | |
| Memory Queue Message Subscriber #3 | 4 | 0.00 | | 0 | 0 | |
| Memory Queue Message Subscriber #4 | 4 | 0.00 | | 0 | 0 | |
| Memory Queue Subscriber | 4 | 0.00 | | 0 | 0 | |
| Message cache latch | 4 | 0.00 | | 0 | 0 | |
| MinActiveScn Latch | 185 | 4.32 | 0.00 | 0 | 0 | |
| Mutex | 4 | 0.00 | | 0 | 0 | |
| Mutex Stats | 4 | 0.00 | | 0 | 0 | |
| Nologging Standby SCN Time Map cache | 1,199 | 0.00 | | 0 | 0 | |
| OS process | 30,282 | 0.00 | | 0 | 0 | |
| OS process allocation | 16,988 | 0.05 | 2.22 | 0 | 0 | |
| OS process: request allocation | 8,415 | 0.04 | 0.33 | 0 | 0 | |
| PDB Hash Table Latch | 4 | 0.00 | | 0 | 0 | |
| PDB LRU structure | 4 | 0.00 | | 0 | 0 | |
| PL/SQL warning settings | 5,925 | 0.02 | 0.00 | 0 | 0 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| PX hash array latch | 4 | 0.00 | | 0 | 0 | |
| Parent latch for dependency tracking | 4 | 0.00 | | 0 | 0 | |
| Parent latch for query hash table access | 4 | 0.00 | | 0 | 0 | |
| Parent latch for segments scanning | 4 | 0.00 | | 0 | 0 | |
| QMT | 4 | 0.00 | | 0 | 0 | |
| RTT parent context | 24 | 0.00 | | 0 | 0 | |
| Real-time descriptor latch | 1,501,910 | 0.25 | 3.01 | 9 | 0 | |
| Report Request stats latch | 199 | 0.00 | | 0 | 0 | |
| Report Request struct latch | 253 | 0.00 | | 0 | 0 | |
| Request holder compeltion list latch | 742 | 0.00 | | 0 | 0 | |
| Retry Ht elm latch | 4 | 0.00 | | 0 | 0 | |
| Retry bkt latch | 4 | 0.00 | | 0 | 0 | |
| SGA Blackbox latch | 124 | 0.00 | | 0 | 0 | |
| SGA IO buffer pool latch | 262 | 0.00 | | 0 | 262 | 0.76 |
| SGA Logging Bkt Latch | 4 | 0.00 | | 0 | 0 | |
| SGA Logging Log Latch | 160,120 | 0.00 | | 0 | 0 | |
| SGA blob parent | 4 | 0.00 | | 0 | 0 | |
| SGA bucket locks | 4 | 0.00 | | 0 | 0 | |
| SGA heap locks | 4 | 0.00 | | 0 | 0 | |
| SGA pool locks | 4 | 0.00 | | 0 | 0 | |
| SO private so latch | 10,787 | 0.00 | | 0 | 21,380 | 0.02 |
| SQL memory manager latch | 4 | 0.00 | | 0 | 1,151 | 0.00 |
| SQL memory manager workarea list latch | 1,116,571 | 0.00 | 0.11 | 0 | 0 | |
| SR Stats Stripe Latch | 4 | 0.00 | | 0 | 0 | |
| Sched IM Job latch | 62 | 0.00 | | 0 | 0 | |
| Sched InMem Job Cache | 40 | 0.00 | | 0 | 0 | |
| Shared B-Tree | 434 | 0.00 | | 0 | 0 | |
| Streams Generic | 4 | 0.00 | | 0 | 0 | |
| Subscriber Ht elm latch | 4 | 0.00 | | 0 | 0 | |
| Testing | 4 | 0.00 | | 0 | 0 | |
| Token Manager | 4 | 0.00 | | 0 | 0 | |
| Txn Ht elm latch | 4 | 0.00 | | 0 | 0 | |
| Txn bkt latch | 4 | 0.00 | | 0 | 0 | |
| WCR: sync | 4 | 0.00 | | 0 | 0 | |
| Write State Object Pool Parent Latch | 4 | 0.00 | | 0 | 0 | |
| X$KSFQP | 615,518 | 0.00 | | 0 | 0 | |
| XDB NFS Security Latch | 4 | 0.00 | | 0 | 0 | |
| XDB unused session pool | 4 | 0.00 | | 0 | 0 | |
| XDB used session pool | 4 | 0.00 | | 0 | 0 | |
| active checkpoint queue latch | 10,926,987 | 0.55 | 0.03 | 5 | 0 | |
| active service list | 1,427,052 | 0.02 | 0.37 | 0 | 2,741 | 0.04 |
| alert log latch | 48 | 0.00 | | 0 | 0 | |
| archive destination | 1,804 | 0.00 | | 0 | 0 | |
| archive process | 421 | 0.00 | | 0 | 0 | |
| begin backup scn array | 743,338 | 0.02 | 0.01 | 0 | 0 | |
| buffer pool | 4 | 0.00 | | 0 | 0 | |
| business card | 1,840 | 0.00 | | 0 | 0 | |
| cache buffer handles | 1,068,950 | 0.08 | 0.01 | 0 | 0 | |
| cache buffers chains | 19,488,213,886 | 0.04 | 0.22 | 4658 | 165,248,818 | 1.21 |
| cache buffers lru chain | 70,477,760 | 0.32 | 0.12 | 73 | 285,148,443 | 0.39 |
| cache table scan latch | 140,505 | 0.00 | | 0 | 140,505 | 0.00 |
| call allocation | 24,234 | 0.45 | 0.52 | 0 | 0 | |
| change notification client cache latch | 4 | 0.00 | | 0 | 0 | |
| channel handle pool latch | 17,151 | 0.08 | 0.23 | 0 | 0 | |
| channel operations parent latch | 48,803 | 0.10 | 0.02 | 0 | 62 | 0.00 |
| checkpoint queue latch | 1,634,703,228 | 0.00 | 0.02 | 4 | 23,098,187 | 0.03 |
| client/application info | 106,175 | 0.00 | | 0 | 0 | |
| compile environment latch | 6,011 | 0.00 | | 0 | 0 | |
| corrupted undo seg latch | 51,207,911 | 0.00 | 0.00 | 0 | 0 | |
| cp handoff latch | 4 | 0.00 | | 0 | 0 | |
| cp pool latch | 4 | 0.00 | | 0 | 0 | |
| cp server hash latch | 4 | 0.00 | | 0 | 0 | |
| cp sga latch | 58 | 0.00 | | 0 | 0 | |
| cp srv type state latch | 3,604 | 0.00 | | 0 | 0 | |
| cp srv type wait latch | 4 | 0.00 | | 0 | 0 | |
| cr slave free list | 10 | 0.00 | | 0 | 2 | 0.00 |
| cvmap freelist lock | 4 | 0.00 | | 0 | 0 | |
| deferred cleanup latch | 58 | 0.00 | | 0 | 0 | |
| dml lock allocation | 58 | 0.00 | | 0 | 0 | |
| done queue latch | 4 | 0.00 | | 0 | 0 | |
| dtp latch | 4,329 | 0.02 | 0.00 | 0 | 0 | |
| dummy allocation | 11,463 | 0.31 | 0.00 | 0 | 0 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| eighth spare latch - X parent | 4 | 0.00 | | 0 | 0 | |
| eleventh spare latch - children | 4 | 0.00 | | 0 | 0 | |
| enqueue freelist latch | 6 | 0.00 | | 0 | 15,706,750 | 0.00 |
| enqueue hash chains | 152,308,176 | 0.36 | 0.03 | 202 | 449,680 | 0.06 |
| enqueues | 2,416 | 0.04 | 0.00 | 0 | 0 | |
| error message lists | 5,106 | 0.14 | 0.00 | 0 | 0 | |
| fast space usage latch | 336,491 | 0.12 | 0.00 | 0 | 0 | |
| fifteenth spare latch - children | 4 | 0.00 | | 0 | 0 | |
| file cache latch | 145,593 | 0.10 | 0.09 | 0 | 0 | |
| first Audit Vault latch | 3,996 | 0.00 | | 0 | 0 | |
| first spare latch - X non-parent | 4 | 0.00 | | 0 | 0 | |
| flash file access latch | 4 | 0.00 | | 0 | 0 | |
| flashback copy | 4 | 0.00 | | 0 | 0 | |
| fourteenth spare latch - children | 4 | 0.00 | | 0 | 0 | |
| fourth Audit Vault latch | 4 | 0.00 | | 0 | 0 | |
| gc element | 72,709,308 | 0.03 | 0.05 | 6 | 4,452,317 | 0.15 |
| gc persistent rm | 14 | 0.00 | | 0 | 0 | |
| gcr global ctx | 102 | 0.00 | | 0 | 0 | |
| gcs commit scn state | 4 | 0.00 | | 0 | 0 | |
| gcs lock state resolution latch | 4 | 0.00 | | 0 | 0 | |
| gcs nodemap pool | 349,253 | 0.00 | 0.00 | 0 | 0 | |
| gcs opaque info freelist | 1,804,394 | 0.00 | 0.01 | 0 | 0 | |
| gcs partitioned table hash | 64,976,255 | 0.02 | 0.00 | 0 | 18,287,766 | 0.01 |
| gcs pcm hashed value bucket hash | 4 | 0.00 | | 0 | 0 | |
| gcs remaster request queue | 413,212 | 0.00 | | 0 | 0 | |
| gcs resource freelist | 1,447,370 | 0.02 | 0.07 | 1 | 1,719,793 | 0.01 |
| gcs resource hash | 59,011,203 | 0.01 | 0.19 | 1 | 226 | 0.00 |
| gcs resource scan list | 12 | 0.00 | | 0 | 0 | |
| gcs resource timerq list | 4 | 0.00 | | 0 | 0 | |
| gcs resource validate list | 4 | 0.00 | | 0 | 0 | |
| gcs shadows freelist | 2,642 | 0.00 | | 0 | 0 | |
| ges cached resource lists | 58,374,258 | 0.16 | 0.04 | 8 | 1,155,351 | 0.26 |
| ges deadlock list | 1,293,784 | 0.08 | 0.01 | 0 | 25,634 | 0.06 |
| ges domain table | 383,187,522 | 0.01 | 0.01 | 1 | 0 | |
| ges enqueue table freelist | 68,322,166 | 0.06 | 0.05 | 20 | 0 | |
| ges group table | 379,877,372 | 0.04 | 0.01 | 7 | 0 | |
| ges process hash list | 203,487 | 0.04 | 0.04 | 0 | 0 | |
| ges process parent latch | 765,818,585 | 0.00 | 0.58 | 18 | 6 | 0.00 |
| ges process table freelist | 8,415 | 0.20 | 0.00 | 0 | 0 | |
| ges remote lock freelist | 1,047 | 0.00 | | 0 | 0 | |
| ges resource hash list | 548,494,285 | 15.21 | 0.09 | 1737617 | 624,963 | 1.92 |
| ges resource scan list | 302,598 | 0.00 | 0.00 | 0 | 0 | |
| ges resource table freelist | 5,251,060 | 0.00 | 0.07 | 0 | 0 | |
| ges s-lock bitvec freelist | 74,364 | 0.01 | 0.00 | 0 | 0 | |
| ges timeout list | 89,441 | 0.66 | 0.03 | 0 | 455,177 | 0.06 |
| ges value block free list | 4 | 0.00 | | 0 | 0 | |
| global KZLD latch for auth type mem in SGA | 27,859 | 0.00 | | 0 | 0 | |
| global tx hash mapping | 4 | 0.00 | | 0 | 0 | |
| granule from data transfer cache | 4 | 0.00 | | 0 | 0 | |
| gws:Sharding global descriptor latch | 240 | 0.00 | | 0 | 0 | |
| hash table Sql Plan Finding latch | 781 | 0.00 | | 0 | 41 | 0.00 |
| hash table column usage latch | 118 | 0.00 | | 0 | 6,068 | 0.00 |
| hash table expression usage tracking latch | 1,536 | 1.95 | 0.00 | 0 | 0 | |
| hash table sql contorl latch | 4 | 0.00 | | 0 | 0 | |
| heartbeat check | 4 | 0.00 | | 0 | 85,548 | 0.00 |
| heartbeat structure management | 0 | | | 0 | 1,762 | 0.00 |
| imc buf hdl lat | 4 | 0.00 | | 0 | 0 | |
| imc cr clone buf | 4 | 0.00 | | 0 | 0 | |
| imc hash lat | 4 | 0.00 | | 0 | 0 | |
| imc sj lat | 4 | 0.00 | | 0 | 0 | |
| imc srchsp lat | 4 | 0.00 | | 0 | 0 | |
| imc-txn-wrk-lat | 4 | 0.00 | | 0 | 0 | |
| in-memory area latch | 4 | 0.00 | | 0 | 0 | |
| in-memory columnar segment hash table latch | 4 | 0.00 | | 0 | 0 | |
| in-memory columnar ts extent map chunk latch | 4 | 0.00 | | 0 | 0 | |
| in-memory global pool latch | 4 | 0.00 | | 0 | 0 | |
| instance information | 4,158 | 0.00 | | 0 | 0 | |
| internal temp table object number allocation latch | 64 | 0.00 | | 0 | 0 | |
| interrupt manipulation | 13,096 | 0.73 | 0.00 | 0 | 0 | |
| intra txn parallel recovery | 4 | 0.00 | | 0 | 0 | |
| io pool granule list | 469,251 | 0.61 | 0.00 | 0 | 0 | |
| io pool granule metadata list | 4 | 0.00 | | 0 | 0 | |
| job workq parent latch | 131 | 0.00 | | 0 | 127 | 0.00 |

| | | | | | | |
|---|---|---|---|---|---|---|
| job_queue_processes free list latch | 509 | 0.00 | | 0 | 0 | |
| jslv pdb context latch | 254 | 0.00 | | 0 | 0 | |
| k2q global data latch | 2,403 | 0.00 | | 0 | 0 | |
| k2q lock allocation | 4 | 0.00 | | 0 | 0 | |
| kKCN Cqn SGA | 4 | 0.00 | | 0 | 0 | |
| kcb DW scan objtemp hash table latch | 4 | 0.00 | | 0 | 0 | |
| kcbtsemkid latch | 24 | 0.00 | | 0 | 0 | |
| kcn buffer chains | 4 | 0.00 | | 0 | 0 | |
| kdlx hb parent latch | 4 | 0.00 | | 0 | 0 | |
| keiut hash table modification | 100 | 0.00 | | 0 | 0 | |
| kgb parent | 4 | 0.00 | | 0 | 0 | |
| kgnfs mount latch | 52 | 0.00 | | 0 | 0 | |
| kjbr roi instance map | 4 | 0.00 | | 0 | 0 | |
| kjci objects freelist latch | 1,388,006 | 0.02 | 0.04 | 0 | 0 | |
| kjci process context latch | 1,323,175 | 0.07 | 0.27 | 0 | 1,350,245 | 0.01 |
| kjci process list latch | 528,279 | 11.67 | 0.98 | 127 | 0 | |
| kjci request sequence latch | 173,387 | 0.00 | 0.00 | 0 | 0 | |
| kjcipctx state object freelist latch | 7,665 | 0.01 | 0.00 | 0 | 0 | |
| kjoedcso state object freelist latch | 58 | 0.00 | | 0 | 0 | |
| kjoeq omni enqueue hash bucket latch | 4 | 0.00 | | 0 | 0 | |
| kjoer owner hash bucket | 4 | 0.00 | | 0 | 0 | |
| kjpm my inst data | 180 | 0.00 | | 0 | 0 | |
| kjsc Request obj freelist latch | 6,694 | 0.00 | | 0 | 0 | |
| kjsc Ring Buffer obj freelist latch | 3,347 | 0.00 | | 0 | 0 | |
| kjsc protect control request queue | 3,347 | 0.00 | | 0 | 36,295 | 0.00 |
| kjsc protect warm up context | 1,330 | 0.00 | | 0 | 0 | |
| kjsca pkey obj freelist latch | 869 | 0.00 | | 0 | 0 | |
| kjsca protect pkey hash table bucket | 81,546 | 0.00 | | 0 | 0 | |
| kjsca protect service hash table bucket | 16,905 | 0.00 | | 0 | 0 | |
| kjscpss state object freelist latch | 3,347 | 0.00 | | 0 | 0 | |
| kokc descriptor allocation latch | 4 | 0.00 | | 0 | 0 | |
| kpoxft latch | 0 | | | 0 | 3,571 | 0.06 |
| krbmrosl | 452,337 | 0.00 | | 0 | 0 | |
| krso process | 232 | 0.00 | | 0 | 0 | |
| ksbxic instance latch | 295 | 0.00 | | 0 | 0 | |
| ksevn object root latch | 1,201 | 0.00 | | 0 | 0 | |
| ksfv messages | 4 | 0.00 | | 0 | 0 | |
| ksi resource reuse count | 4 | 0.00 | | 0 | 0 | |
| ksim group membership cache | 59,228 | 0.00 | 0.00 | 0 | 0 | |
| ksim membership request latch | 0 | | | 0 | 2,511 | 0.00 |
| ksm_pga_um_list_latch | 4 | 0.00 | | 0 | 0 | |
| ksm_pga_um_root_latch | 1,201 | 0.00 | | 0 | 0 | |
| ksns object latch | 4 | 0.00 | | 0 | 0 | |
| kss move lock | 262 | 0.00 | | 0 | 0 | |
| ksuosstats global area | 332 | 1.20 | 1.00 | 1 | 1,254 | 1.04 |
| ksutcpistat latch | 4 | 0.00 | | 0 | 0 | |
| ksv allocation latch | 486 | 0.00 | | 0 | 0 | |
| ksv class latch | 112,458 | 0.04 | 0.23 | 0 | 19 | 5.26 |
| ksv instance latch | 78 | 0.00 | | 0 | 0 | |
| ksv msg queue latch | 5,080 | 0.00 | | 0 | 5,040 | 0.00 |
| ksxp shared latch | 8,415 | 0.08 | 0.00 | 0 | 0 | |
| ksxp so latch | 8,415 | 0.04 | 0.33 | 0 | 0 | |
| ksz_so allocation latch | 8,415 | 0.23 | 0.26 | 0 | 0 | |
| ktfbn latch | 772 | 0.00 | | 0 | 0 | |
| ktm adg jrnls | 4 | 0.00 | | 0 | 0 | |
| ktm adg lookuptable level 1 | 4 | 0.00 | | 0 | 0 | |
| ktm adg lookuptable level 2 | 4 | 0.00 | | 0 | 0 | |
| ktm adg space | 4 | 0.00 | | 0 | 0 | |
| ktm adg stages | 4 | 0.00 | | 0 | 0 | |
| ktm adg worklink | 4 | 0.00 | | 0 | 0 | |
| ktm global data | 92 | 0.00 | | 0 | 0 | |
| ktm prv jrnls | 4 | 0.00 | | 0 | 0 | |
| ktmpj HT ls | 4 | 0.00 | | 0 | 0 | |
| kwqbsn:qsga | 143 | 0.00 | | 0 | 0 | |
| kwslbmdl: metadata latch | 150 | 0.00 | | 0 | 0 | |
| kwslbql: queue latch | 4 | 0.00 | | 0 | 0 | |
| kwslbutl: uncommitted txn latch | 4 | 0.00 | | 0 | 0 | |
| kwsptQcachLt: queue cache latch | 4 | 0.00 | | 0 | 0 | |
| kwsptTrncTsksLt: trunc task latch | 4 | 0.00 | | 0 | 0 | |
| kwsptjobAdPtLt: AdPt list latch | 88 | 0.00 | | 0 | 0 | |
| kwsslLat: skiplist latch | 4 | 0.00 | | 0 | 0 | |
| kxfxscanrate_latch | 4 | 0.00 | | 0 | 0 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| lgwr LWN SCN | 1,507,974 | 10.86 | 0.02 | 6 | 0 | |
| list of block allocation | 11,425,798 | 0.02 | 0.05 | 0 | 0 | |
| loader state object freelist | 5,193,268 | 0.20 | 0.02 | 0 | 0 | |
| lob segment dispenser latch | 714,374 | 0.07 | 0.06 | 0 | 0 | |
| lob segment hash table latch | 1,171,233 | 0.09 | 0.03 | 0 | 0 | |
| lob segment query latch | 4 | 0.00 | | 0 | 0 | |
| lock DBA buffer during media recovery | 4 | 0.00 | | 0 | 0 | |
| log write info | 0 | | | 0 | 3,701,139 | 0.30 |
| log write worker phase | 802,542 | 0.03 | 0.01 | 0 | 0 | |
| logical standby cache | 4 | 0.00 | | 0 | 0 | |
| logminer context allocation | 4 | 0.00 | | 0 | 0 | |
| logminer local | 4 | 0.00 | | 0 | 0 | |
| logminer work area | 4 | 0.00 | | 0 | 0 | |
| longop free list parent | 1,685 | 0.00 | | 0 | 129 | 0.00 |
| managed standby | 126 | 0.00 | | 0 | 0 | |
| message bitmap latch | 4 | 0.00 | | 0 | 0 | |
| message pool operations parent latch | 8,741 | 0.01 | 0.00 | 0 | 0 | |
| messages | 25,681,979 | 1.31 | 0.01 | 7 | 0 | |
| msg queue latch | 4 | 0.00 | | 0 | 0 | |
| multiblock read objects | 1,594,766 | 0.01 | 0.01 | 0 | 0 | |
| name-service memory objects | 11,933 | 0.02 | 0.00 | 0 | 0 | |
| name-service namespace bucket | 1,052,056 | 0.00 | 0.00 | 0 | 0 | |
| name-service pending queue | 9,474 | 0.00 | | 0 | 0 | |
| name-service request | 370 | 0.54 | 0.00 | 0 | 0 | |
| name-service request queue | 50,878 | 0.00 | 0.00 | 0 | 0 | |
| ncodef allocation latch | 58 | 0.00 | | 0 | 0 | |
| ninth spare latch - X parent | 4 | 0.00 | | 0 | 0 | |
| object queue header freelist | 17,761,742 | 0.00 | 0.03 | 0 | 0 | |
| object queue header operation | 178,893,510 | 0.00 | 0.20 | 13 | 162,500,062 | 0.00 |
| object queue memory | 4 | 0.00 | | 0 | 0 | |
| object stats modification | 27,448 | 0.03 | 1.00 | 0 | 0 | |
| parallel query alloc buffer | 20,198 | 0.63 | 0.15 | 0 | 11,100 | 0.00 |
| parallel query stats | 4,204 | 0.69 | 0.03 | 0 | 0 | |
| parallel txn reco latch | 91,152 | 0.00 | | 0 | 0 | |
| parameter table management | 30,830,048 | 0.09 | 0.00 | 0 | 0 | |
| pdb enqueue hash chains | 4 | 0.00 | | 0 | 0 | |
| peshm | 4 | 0.00 | | 0 | 0 | |
| pesom_free_list | 4 | 0.00 | | 0 | 0 | |
| pesom_hash_node | 4 | 0.00 | | 0 | 0 | |
| pkey global statistics | 4 | 0.00 | | 0 | 0 | |
| pmon dead latch | 195 | 0.00 | | 0 | 0 | |
| policy information | 4,158 | 0.00 | | 0 | 0 | |
| post/wait queue | 23,375,162 | 2.00 | 0.03 | 13 | 9,707,541 | 0.31 |
| process allocation | 25,998 | 1.26 | 1.26 | 4 | 0 | |
| process group creation | 8,415 | 0.00 | | 0 | 0 | |
| process memory detail | 4 | 0.00 | | 0 | 12 | 0.00 |
| process pkey statistics list | 4 | 0.00 | | 0 | 0 | |
| process queue | 9,312 | 0.20 | 0.00 | 0 | 0 | |
| process queue reference | 38,248,573 | 0.04 | 0.01 | 0 | 1,053,080 | 2.28 |
| qmn task queue latch | 533 | 0.00 | | 0 | 0 | |
| quarantine object | 59 | 0.00 | | 0 | 0 | |
| query server freelists | 10,936 | 0.00 | | 0 | 0 | |
| query server process | 3,885 | 0.00 | | 0 | 61 | 0.00 |
| queued dump request | 19 | 0.00 | | 0 | 0 | |
| queuing load statistics | 4 | 0.00 | | 0 | 0 | |
| read-moslty lock queue under pkey | 4 | 0.00 | | 0 | 0 | |
| recovery domain hash bucket | 2,311 | 0.00 | | 0 | 0 | |
| redo allocation | 27,125,067 | 6.95 | 0.03 | 136 | 519,760,781 | 3.68 |
| redo copy | 4 | 0.00 | | 0 | 520,927,845 | 0.27 |
| redo gen encryption key structure | 24 | 0.00 | | 0 | 0 | |
| redo transport task | 310 | 0.00 | | 0 | 0 | |
| redo writing | 26,190,345 | 1.02 | 0.17 | 223 | 0 | |
| remote tool request latch | 5,534 | 0.02 | 0.00 | 0 | 0 | |
| resmgr group change latch | 5,828 | 0.02 | 0.00 | 0 | 0 | |
| resmgr:active threads | 11,778 | 0.14 | 1.12 | 0 | 0 | |
| resmgr:actses change group | 6,062 | 0.00 | | 0 | 0 | |
| resmgr:actses change state | 195 | 0.00 | | 0 | 0 | |
| resmgr:free threads list | 11,461 | 0.35 | 0.10 | 0 | 0 | |
| resmgr:plan CPU method | 4 | 0.00 | | 0 | 0 | |
| resmgr:plan change alloc latch | 4 | 0.00 | | 0 | 0 | |
| resmgr:plan change latch | 4 | 0.00 | | 0 | 0 | |
| resmgr:pq event array | 108 | 0.00 | | 0 | 0 | |
| resmgr:resource group CPU method | 788 | 0.00 | | 0 | 0 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| resmgr:schema config | 130 | 0.00 | | 0 | 0 | |
| resmgr:session queuing | 4 | 0.00 | | 0 | 0 | |
| resmgr:vc list latch | 4 | 0.00 | | 0 | 0 | |
| row cache objects | 4 | 0.00 | | 0 | 0 | |
| rt rmv count latch | 0 | | | 0 | 1,762 | 0.00 |
| rules engine rule set statistics | 400 | 0.00 | | 0 | 0 | |
| second Audit Vault latch | 4 | 0.00 | | 0 | 0 | |
| segmented array pool | 538 | 0.00 | | 0 | 0 | |
| sequence cache | 155,017,255 | 4.85 | 0.03 | 1491 | 0 | |
| service drain list | 3,599 | 0.00 | | 0 | 0 | |
| session allocation | 39,746,936 | 0.02 | 0.01 | 0 | 39,736,122 | 0.01 |
| session idle bit | 4,831,011,369 | 0.02 | 0.00 | 0 | 0 | |
| session queue latch | 4 | 0.00 | | 0 | 0 | |
| session state list latch | 11,680 | 0.44 | 0.02 | 0 | 0 | |
| session statistics | 11,627 | 0.24 | 0.68 | 0 | 0 | |
| session switching | 4,160 | 0.10 | 0.00 | 0 | 12 | 0.00 |
| session timer | 1,200 | 0.00 | | 0 | 0 | |
| seventh spare latch - X parent | 4 | 0.00 | | 0 | 0 | |
| sga hash table parent latch | 4 | 0.00 | | 0 | 0 | |
| shard latch | 4 | 0.00 | | 0 | 0 | |
| shardgroup list latch | 77 | 0.00 | | 0 | 0 | |
| shared pool | 4,385,309 | 0.20 | 0.09 | 2 | 1 | 0.00 |
| shared pool sim alloc | 7 | 0.00 | | 0 | 0 | |
| shared pool simulator | 320 | 0.00 | | 0 | 0 | |
| shared server configuration | 1,198 | 0.00 | | 0 | 0 | |
| sim partition latch | 4 | 0.00 | | 0 | 0 | |
| simulator hash latch | 723,882,240 | 0.00 | 0.04 | 0 | 0 | |
| simulator lru latch | 4 | 0.00 | | 0 | 723,194,184 | 0.85 |
| sixth spare latch - X parent | 4 | 0.00 | | 0 | 0 | |
| sort extent pool | 7,631,033 | 0.06 | 0.04 | 0 | 0 | |
| space background state object latch | 88 | 0.00 | | 0 | 0 | |
| space background task latch | 344,498 | 6.77 | 0.39 | 42 | 57,671 | 3.26 |
| state object free list | 48 | 0.00 | | 0 | 0 | |
| statistics aggregation | 88 | 0.00 | | 0 | 0 | |
| subscriber Ht bkt | 4 | 0.00 | | 0 | 0 | |
| tablespace key chain | 1,191,880 | 0.01 | 0.00 | 0 | 0 | |
| temp lob duration state obj allocation | 3,021,349 | 0.02 | 0.09 | 0 | 0 | |
| temporary table state object allocation | 714 | 3.22 | 0.09 | 0 | 0 | |
| tenth spare latch - X parent | 4 | 0.00 | | 0 | 0 | |
| test excl. parent l0 | 4 | 0.00 | | 0 | 0 | |
| test excl. parent2 l0 | 4 | 0.00 | | 0 | 0 | |
| test excl. parent2 lmid cln | 4 | 0.00 | | 0 | 0 | |
| test mixed exclusive | 4 | 0.00 | | 0 | 0 | |
| test mode exclusive | 4 | 0.00 | | 0 | 0 | |
| test open exclusive | 4 | 0.00 | | 0 | 0 | |
| test pdb exclusive | 4 | 0.00 | | 0 | 0 | |
| test shared parent2 lmid | 4 | 0.00 | | 0 | 0 | |
| thirteenth spare latch - children | 4 | 0.00 | | 0 | 0 | |
| threshold alerts latch | 421 | 0.00 | | 0 | 0 | |
| trace latch | 745 | 0.13 | 0.00 | 0 | 0 | |
| transaction allocation | 211,157,369 | 0.02 | 0.25 | 18 | 0 | |
| transaction branch allocation | 1,202 | 0.00 | | 0 | 0 | |
| twelfth spare latch - children | 4 | 0.00 | | 0 | 0 | |
| twenty-fifth spare latch - S par | 4 | 0.00 | | 0 | 0 | |
| twenty-first spare latch - S par | 4 | 0.00 | | 0 | 0 | |
| twenty-fourth spare latch - S par | 4 | 0.00 | | 0 | 0 | |
| twenty-second spare latch - S par | 4 | 0.00 | | 0 | 0 | |
| twenty-third spare latch - S par | 4 | 0.00 | | 0 | 0 | |
| undo global data | 2,991,074,508 | 0.98 | 0.03 | 6099 | 257 | 1.17 |
| virtual circuit buffers | 4 | 0.00 | | 0 | 0 | |
| virtual circuit holder | 4 | 0.00 | | 0 | 0 | |
| virtual circuit queues | 4 | 0.00 | | 0 | 0 | |

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# Latch Sleep Breakdown

- ordered by misses desc

| Latch Name | Get Requests | Misses | Sleeps | Spin Gets |
|---|---|---|---|---|
| ges resource hash list | 548,494,285 | 83,436,665 | 7,628,063 | 76,489,310 |

| | | | | |
|---|---|---|---|---|
| undo global data | 2,991,074,508 | 29,414,164 | 778,807 | 28,661,431 |
| cache buffers chains | 19,488,213,886 | 7,528,273 | 1,637,733 | 5,966,239 |
| sequence cache | 155,017,255 | 7,522,303 | 231,928 | 7,294,630 |
| DML lock allocation | 1,482,874,015 | 3,458,146 | 509,332 | 3,027,790 |
| redo allocation | 27,125,067 | 1,884,484 | 59,322 | 1,826,233 |
| ASM map operation hash table | 118,373,985 | 1,012,080 | 7,967 | 1,004,279 |
| enqueue hash chains | 152,308,176 | 543,957 | 14,393 | 529,920 |
| post/wait queue | 23,375,162 | 467,118 | 15,774 | 451,970 |
| messages | 25,681,979 | 335,972 | 2,943 | 333,081 |
| redo writing | 26,190,345 | 268,441 | 44,446 | 225,448 |
| cache buffers lru chain | 70,477,760 | 226,381 | 26,697 | 200,629 |
| lgwr LWN SCN | 1,507,974 | 163,810 | 3,089 | 160,751 |
| ges group table | 379,877,372 | 136,792 | 1,634 | 135,190 |
| ges cached resource lists | 58,374,258 | 91,660 | 3,263 | 88,526 |
| checkpoint queue latch | 1,634,703,228 | 63,045 | 1,557 | 61,522 |
| kjci process list latch | 528,279 | 61,645 | 60,377 | 2,735 |
| active checkpoint queue latch | 10,926,987 | 59,648 | 1,747 | 57,931 |
| ges domain table | 383,187,522 | 50,639 | 588 | 50,061 |
| transaction allocation | 211,157,369 | 47,735 | 11,896 | 37,545 |
| ges enqueue table freelist | 68,322,166 | 37,684 | 1,991 | 35,753 |
| space background task latch | 344,498 | 23,313 | 9,008 | 14,481 |
| gc element | 72,709,308 | 20,113 | 1,074 | 19,091 |
| process queue reference | 38,248,573 | 13,646 | 144 | 13,515 |
| loader state object freelist | 5,193,268 | 10,586 | 202 | 10,386 |
| KJCT flow control latch | 26,897,954 | 9,835 | 261 | 9,582 |
| shared pool | 4,385,309 | 8,794 | 814 | 7,999 |
| Consistent RBA | 1,350,720 | 8,726 | 417 | 8,321 |
| session allocation | 39,746,936 | 8,209 | 89 | 8,120 |
| object queue header operation | 178,893,510 | 8,099 | 1,631 | 6,543 |
| KJC message pool free list | 2,943,667 | 5,459 | 732 | 4,745 |
| sort extent pool | 7,631,033 | 4,880 | 205 | 4,699 |
| Real-time descriptor latch | 1,501,910 | 3,810 | 11,486 | 414 |
| simulator hash latch | 723,882,240 | 3,607 | 134 | 3,480 |
| gcs resource hash | 59,011,203 | 3,194 | 606 | 2,651 |
| io pool granule list | 469,251 | 2,839 | 9 | 2,830 |
| ges process parent latch | 765,818,585 | 2,484 | 1,444 | 1,049 |
| list of block allocation | 11,425,798 | 1,797 | 81 | 1,718 |
| MGA shared context root latch | 16,889 | 1,790 | 3,166 | 3 |
| MGA shared context latch | 89,812 | 1,665 | 1,889 | 23 |
| lob segment hash table latch | 1,171,233 | 1,105 | 38 | 1,067 |
| ges deadlock list | 1,293,784 | 1,077 | 11 | 1,066 |
| kjci process context latch | 1,323,175 | 979 | 262 | 717 |
| cache buffer handles | 1,068,950 | 858 | 6 | 852 |
| ges timeout list | 89,441 | 590 | 18 | 572 |
| temp lob duration state obj allocation | 3,021,349 | 562 | 48 | 519 |
| lob segment dispenser latch | 714,374 | 529 | 33 | 497 |
| process allocation | 25,998 | 328 | 412 | 8 |
| kjci objects freelist latch | 1,388,006 | 281 | 11 | 270 |
| log write worker phase | 802,542 | 247 | 2 | 245 |
| ges resource table freelist | 5,251,060 | 235 | 17 | 219 |
| active service list | 1,427,052 | 225 | 83 | 147 |
| gcs resource freelist | 1,447,370 | 220 | 15 | 205 |
| multiblock read objects | 1,594,766 | 210 | 3 | 207 |
| begin backup scn array | 743,338 | 177 | 1 | 176 |
| file cache latch | 145,593 | 152 | 13 | 140 |
| parallel query alloc buffer | 20,198 | 128 | 19 | 110 |
| call allocation | 24,234 | 110 | 57 | 58 |
| ges process hash list | 203,487 | 82 | 3 | 79 |
| gcs opaque info freelist | 1,804,394 | 78 | 1 | 77 |
| object queue header freelist | 17,761,742 | 67 | 2 | 65 |
| MGA heap latch | 16,327 | 54 | 34 | 24 |
| channel operations parent latch | 48,803 | 51 | 1 | 50 |
| session state list latch | 11,680 | 51 | 1 | 50 |
| ksv class latch | 112,458 | 44 | 10 | 34 |
| resmgr:free threads list | 11,461 | 40 | 4 | 36 |
| parallel query stats | 4,204 | 29 | 1 | 28 |
| session statistics | 11,627 | 28 | 19 | 10 |
| temporary table state object allocation | 714 | 23 | 2 | 21 |
| ksz_so allocation latch | 8,415 | 19 | 5 | 14 |
| resmgr:active threads | 11,778 | 17 | 19 | 0 |
| channel handle pool latch | 17,151 | 13 | 3 | 10 |
| OS process allocation | 16,988 | 9 | 20 | 1 |

| | | | | |
|---|---|---|---|---|
| SQL memory manager workarea list latch | 1,116,571 | 9 | 1 | 8 |
| object stats modification | 27,448 | 8 | 8 | 0 |
| ASM Keyed state latch | 8,413 | 7 | 1 | 6 |
| Lsod array latch | 148,728 | 6 | 3 | 3 |
| KGNFS-NFS:SHM structure | 2,477 | 4 | 1 | 3 |
| ksuosstats global area | 332 | 4 | 4 | 0 |
| OS process: request allocation | 8,415 | 3 | 1 | 2 |
| ksxp so latch | 8,415 | 3 | 1 | 2 |
| KFMD SGA | 1,312 | 1 | 1 | 0 |

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## Latch Miss Sources

- only latches with sleeps are shown
- ordered by name, sleeps desc

| Latch Name | Where | NoWait Misses | Sleeps | Waiter Sleeps |
|---|---|---|---|---|
| ASM Keyed state latch | kfksolGet | 0 | 1 | 1 |
| ASM map operation hash table | kffmTranslate | 0 | 5,953 | 6,221 |
| ASM map operation hash table | kffmDoDone_1 | 0 | 2,012 | 1,743 |
| ASM map operation hash table | kffmLoad | 0 | 1 | 0 |
| ASM map operation hash table | kffmUnidentify | 0 | 1 | 0 |
| DML lock allocation | ktadmc | 0 | 465,111 | 145,099 |
| DML lock allocation | ktaiam | 0 | 33,362 | 275,910 |
| DML lock allocation | ktaidm | 0 | 10,653 | 88,138 |
| KFMD SGA | kfmdSlvJoin_LU | 0 | 1 | 1 |
| KGNFS-NFS:SHM structure | kgnfs alloc | 0 | 1 | 1 |
| KJC message pool free list | kjcspfmbq: free vector of msg buffers | 0 | 439 | 0 |
| KJC message pool free list | kjcsmpav: allocate a msg buffer | 0 | 289 | 727 |
| KJC message pool free list | kjcsombd: free freelist msg buffs | 0 | 4 | 5 |
| KJCT flow control latch | kjcts_sqenq: queue a message | 0 | 115 | 157 |
| KJCT flow control latch | kjctr_releasetkt: change ticket allocation | 0 | 47 | 10 |
| KJCT flow control latch | kjcts_sedeqv3: dequeue a vector of msgs | 0 | 44 | 13 |
| KJCT flow control latch | kjctcsnd: send normal message | 0 | 39 | 47 |
| KJCT flow control latch | kjctr_updatetkt: update ticket info | 0 | 9 | 18 |
| KJCT flow control latch | kjcts_sqenq2: queue a message | 0 | 5 | 10 |
| KJCT flow control latch | kjcts_adjtkt: adjust send tickets | 0 | 2 | 6 |
| Lsod array latch | kfklsodtablCleanup | 0 | 3 | 2 |
| MGA pid alloc latch | ksm_mga_sctx_rtrcv_do_whr2 | 0 | 478 | 157 |
| MGA pid alloc latch | ksm_mga_sctx_rtrcv_do_whr1 | 0 | 228 | 248 |
| MGA shared context latch | ksm_mga_attach_whr2 | 0 | 608 | 2 |
| MGA shared context latch | ksm_mga_is_attached_whr1 | 0 | 184 | 10 |
| MGA shared context latch | ksm_mga_sctx_seg_meta_alloc_whr1 | 0 | 158 | 0 |
| MGA shared context latch | ksm_mga_detach_whr2 | 0 | 148 | 130 |
| MGA shared context latch | ksm_mga_sync_whr1 | 0 | 87 | 908 |
| MGA shared context latch | ksm_mga_heapds_whr1 | 0 | 3 | 383 |
| MGA shared context root latch | ksm_mga_detach_whr1 | 0 | 1,736 | 1,758 |
| MGA shared context root latch | ksm_mga_attach_whr1 | 0 | 1,427 | 1,401 |
| MGA shared context root latch | ksm_mga_seg_cnt_whr1 | 0 | 2 | 56 |
| MGA shared context root latch | ksm_mga_create_whr1 | 0 | 1 | 5 |
| OS process allocation | ksoreq_submit | 0 | 18 | 0 |
| OS process allocation | kso_delete_process:1 | 0 | 1 | 1 |
| OS process allocation | kso_new_process:2 | 0 | 1 | 1 |
| OS process: request allocation | kso_new_process | 0 | 1 | 1 |
| Real-time descriptor latch | keomgScanDescList | 0 | 8,186 | 10,451 |
| Real-time descriptor latch | keomgReclaimDrv | 0 | 3,246 | 798 |
| Real-time descriptor latch | keomgAllocDescEntry | 0 | 54 | 237 |
| SQL memory manager workarea list latch | qesmmIUnRegisterWorkArea | 0 | 1 | 0 |
| active checkpoint queue latch | kcbbacq: scan active checkpoints | 0 | 1,666 | 1,743 |
| active checkpoint queue latch | kcbk_add_rbr_ckpt: Add rbr ckpt 3 | 0 | 41 | 0 |
| active checkpoint queue latch | kcbkcpa: Checkpoint post-processing 2 | 0 | 22 | 1 |
| active checkpoint queue latch | kcbkcpa: Checkpoint post-processing | 0 | 16 | 3 |
| active checkpoint queue latch | kcbo_add_ckpt: Add object ckpt 1 | 0 | 2 | 0 |
| active service list | kswslogon: session logout | 0 | 45 | 31 |
| active service list | kswsgetso: get service object | 0 | 16 | 14 |
| active service list | kswslistsvc: count/copy service name | 0 | 10 | 0 |
| active service list | kswslogon: session login | 0 | 7 | 4 |
| active service list | kswsite: service iterator | 0 | 5 | 1 |
| active service list | kswssetsvc: PX session switch service | 0 | 5 | 2 |
| active service list | kswsgsnp: get service name ptr | 0 | 4 | 3 |

| | | | | |
|---|---|---|---|---|
| active service list | kswsclstabc: scan list to return rows | 0 | 3 | 12 |
| active service list | kswsgrlbm: get RLB metrics | 0 | 1 | 0 |
| active service list | kswsigsn: get service name | 0 | 1 | 3 |
| begin backup scn array | get begin backup scn for file | 0 | 1 | 1 |
| cache buffer handles | kcbzfs | 0 | 3 | 3 |
| cache buffer handles | kcbzgs | 0 | 3 | 3 |
| cache buffers chains | kcbchg: cleanout | 0 | 997,142 | 818,250 |
| cache buffers chains | kcbzgb: scan from tail nowait | 0 | 307,437 | 0 |
| cache buffers chains | kcbgtcr: convert latch | 0 | 208,192 | 0 |
| cache buffers chains | kcbget: new pin | 0 | 123,916 | 18,307 |
| cache buffers chains | kcbzacrb: convert latch | 0 | 55,433 | 0 |
| cache buffers chains | kcbgtcr: fast path pin | 0 | 54,926 | 288,944 |
| cache buffers chains | kcbzwb | 0 | 42,946 | 35,397 |
| cache buffers chains | kcbgtcr: convert latch 4 | 0 | 42,295 | 0 |
| cache buffers chains | kcbgcur: fast path excl | 0 | 31,469 | 14,193 |
| cache buffers chains | kcbgtcr: fast path exam | 0 | 28,005 | 41,303 |
| cache buffers chains | kcbchg: change complete | 0 | 14,631 | 203,912 |
| cache buffers chains | kcbzcbf: clone buffer | 0 | 9,491 | 164,179 |
| cache buffers chains | kcbcge | 0 | 9,352 | 91,293 |
| cache buffers chains | kcbchg: aux pin | 0 | 7,456 | 3,785 |
| cache buffers chains | kcbget: convert latch | 0 | 6,206 | 0 |
| cache buffers chains | kcbxchcln: share pin excl | 0 | 5,635 | 5,635 |
| cache buffers chains | kcbgtcr: slow path excl | 0 | 5,522 | 12,703 |
| cache buffers chains | kcbrls: fast pin release | 0 | 5,347 | 145,198 |
| cache buffers chains | kcbnlc | 0 | 4,993 | 9,296 |
| cache buffers chains | kcbget: release excl | 0 | 4,927 | 3,783 |
| cache buffers chains | kcbget: fast path | 0 | 4,781 | 13,901 |
| cache buffers chains | kcbgkcbcr | 0 | 4,493 | 13,353 |
| cache buffers chains | kcbchg: cur pin change | 0 | 2,326 | 51,539 |
| cache buffers chains | kcbget: upgrade latch | 0 | 2,185 | 2,298 |
| cache buffers chains | kcbesc: escalate | 0 | 1,735 | 808 |
| cache buffers chains | kcbnew: new latch again | 0 | 1,052 | 11,132 |
| cache buffers chains | kclcls_3 | 0 | 949 | 139 |
| cache buffers chains | kcbzcbf: release pin excl | 0 | 769 | 441 |
| cache buffers chains | kcbbic2 | 0 | 731 | 308 |
| cache buffers chains | kcbrls: pin release | 0 | 722 | 3,383 |
| cache buffers chains | kcbchg: rollback | 0 | 553 | 2,031 |
| cache buffers chains | kcbgcur: convert latch | 0 | 387 | 0 |
| cache buffers chains | kcbivbr | 0 | 387 | 4,882 |
| cache buffers chains | kcbgcur: fast path shr | 0 | 319 | 22,172 |
| cache buffers chains | kclpdcl | 0 | 254 | 0 |
| cache buffers chains | kclrwrite_3 | 0 | 224 | 3 |
| cache buffers chains | kcbbxsv | 0 | 220 | 92 |
| cache buffers chains | kcbrls: fast pin exclusive | 0 | 207 | 244 |
| cache buffers chains | kcb_trim_hash_chain | 0 | 135 | 114 |
| cache buffers chains | kcbbic1 | 0 | 131 | 55 |
| cache buffers chains | kcbgcur: slow path | 0 | 128 | 57 |
| cache buffers chains | kcbget: release shr | 0 | 74 | 719 |
| cache buffers chains | kcbzibmlt: multi-block read: nowait | 0 | 72 | 0 |
| cache buffers chains | kcllkopesc | 0 | 62 | 6 |
| cache buffers chains | kcbo_ivd_process | 0 | 53 | 2,299 |
| cache buffers chains | kcbnew_1 | 0 | 43 | 612 |
| cache buffers chains | kclrlstp | 0 | 32 | 79 |
| cache buffers chains | kclexpand_1 | 0 | 28 | 254 |
| cache buffers chains | kcbzib: finish processing buffer | 0 | 25 | 30 |
| cache buffers chains | kclantilock | 0 | 14 | 5 |
| cache buffers chains | kcb_is_private | 0 | 11 | 301 |
| cache buffers chains | kcbgtcr: retry after read | 0 | 10 | 0 |
| cache buffers chains | kcbzhngcbk1 | 0 | 9 | 0 |
| cache buffers chains | kcbget: exchange pin | 0 | 3 | 0 |
| cache buffers chains | kcbpop: shr pin | 0 | 3 | 808 |
| cache buffers chains | kcbrls: convert latch | 0 | 3 | 0 |
| cache buffers chains | kcbget: release upgrade | 0 | 1 | 0 |
| cache buffers chains | kcbget_2 | 0 | 1 | 3 |
| cache buffers chains | kcbo_ckpt_process | 0 | 1 | 84 |
| cache buffers chains | kcbo_write_process | 0 | 1 | 0 |
| cache buffers chains | kcbrls | 0 | 1 | 1 |
| cache buffers chains | kcbxchcln: shr pin shr | 0 | 1 | 10 |
| cache buffers chains | kcbzcg | 0 | 1 | 13 |
| cache buffers chains | kclbla | 0 | 1 | 0 |
| cache buffers chains | kclhngcbk1 | 0 | 1 | 0 |
| cache buffers chains | kclpdcl_1 | 0 | 1 | 666 |
| cache buffers lru chain | kcbzgws | 0 | 19,287 | 0 |

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|---|---|---|---|---|
| cache buffers lru chain | kcbgtcr:CR Scan:KCBRSKIP_1 | 0 | 2,810 | 0 |
| cache buffers lru chain | kcbo_write_bufs | 0 | 913 | 4,508 |
| cache buffers lru chain | kcbzswcu | 0 | 733 | 2,344 |
| cache buffers lru chain | kcbbic2 | 0 | 632 | 10,154 |
| cache buffers lru chain | kcbbxsv: move to being written | 0 | 462 | 0 |
| cache buffers lru chain | kcbzgb | 0 | 433 | 7,235 |
| cache buffers lru chain | kcbgtcr:CR Scan:KCBRSKIP_2 | 0 | 345 | 0 |
| cache buffers lru chain | kcbibr | 0 | 342 | 0 |
| cache buffers lru chain | kcbo_ivd_proc | 0 | 300 | 1,648 |
| cache buffers lru chain | kcbzgm | 0 | 290 | 0 |
| cache buffers lru chain | kcb_trim_hash_chain | 0 | 78 | 350 |
| cache buffers lru chain | kcbbwlru | 0 | 61 | 449 |
| cache buffers lru chain | kclwcrs | 0 | 4 | 0 |
| cache buffers lru chain | kclmvreqbg | 0 | 1 | 3 |
| call allocation | ksuxds | 0 | 46 | 35 |
| call allocation | ksudlp: top call | 0 | 8 | 19 |
| call allocation | ksuprc | 0 | 2 | 0 |
| call allocation | ksuinfos_modact | 0 | 1 | 3 |
| channel handle pool latch | ksrchdelete() | 0 | 3 | 3 |
| channel handle pool latch | ksrchconnect() | 0 | 1 | 1 |
| channel operations parent latch | ksrsconsume() | 0 | 1 | 0 |
| checkpoint queue latch | kcbklbc_cql | 0 | 746 | 0 |
| checkpoint queue latch | kcbswcu: Switch buffers | 0 | 315 | 153 |
| checkpoint queue latch | kcbkubc_4 | 0 | 305 | 232 |
| checkpoint queue latch | kcbbwthc: thread checkpoint buffers | 0 | 101 | 1,002 |
| checkpoint queue latch | kcbbwdl: thread checkpoint queue | 0 | 41 | 153 |
| checkpoint queue latch | kcbkllrba: compute lowest lrba | 0 | 33 | 3 |
| checkpoint queue latch | kcbklbc: Link buffer into ckpt queue | 0 | 8 | 0 |
| checkpoint queue latch | kcbnlc: Link buffers into FQ | 0 | 5 | 0 |
| checkpoint queue latch | kcbkllscn | 0 | 3 | 1 |
| file cache latch | file cache:07 | 0 | 13 | 13 |
| gc element | kclfwrite1 | 0 | 574 | 410 |
| gc element | kclpdcl | 0 | 260 | 240 |
| gc element | kclrwrite | 0 | 195 | 234 |
| gc element | kclnfndnewm | 0 | 81 | 11 |
| gc element | kclnfnd | 0 | 37 | 40 |
| gc element | kclrwrite_1 | 0 | 33 | 13 |
| gc element | kclulb | 0 | 22 | 41 |
| gc element | kclebs | 0 | 19 | 14 |
| gc element | kclnfndx | 0 | 17 | 43 |
| gc element | kclplz | 0 | 17 | 0 |
| gc element | kclpdc_1 | 0 | 13 | 79 |
| gc element | kclantilock_1 | 0 | 8 | 0 |
| gc element | kclplz_1 | 0 | 7 | 6 |
| gc element | kclhngcbk1 | 0 | 6 | 0 |
| gc element | kclnfndnew | 0 | 6 | 5 |
| gc element | kclswc | 0 | 5 | 26 |
| gc element | KCLUNLNK | 0 | 4 | 33 |
| gc element | kclexpand_2 | 0 | 4 | 1 |
| gc element | kclnfnds | 0 | 4 | 100 |
| gc element | kcl_fusion_write_latched | 0 | 2 | 7 |
| gc element | kclbla | 0 | 1 | 0 |
| gc element | kcllkop | 0 | 1 | 13 |
| gcs opaque info freelist | kjbrinfofree free opaque info | 0 | 1 | 0 |
| gcs resource freelist | kjbralc: check freelist nowait | 0 | 10 | 0 |
| gcs resource freelist | kjbralc add resource | 0 | 3 | 12 |
| gcs resource freelist | kjbrfr_bg2 | 0 | 2 | 3 |
| gcs resource hash | kclfwrite1 | 0 | 604 | 1 |
| gcs resource hash | kjbclose_remaster | 0 | 1 | 1 |
| gcs resource hash | kjbconvert | 0 | 1 | 0 |
| ges cached resource lists | kjrm2c: move resource to cache | 0 | 2,226 | 2,970 |
| ges cached resource lists | kjruref: directly free local master | 0 | 614 | 217 |
| ges cached resource lists | kjruref: directly free resource | 0 | 225 | 72 |
| ges cached resource lists | kjchc: clean resource cache | 0 | 188 | 0 |
| ges cached resource lists | kjr_freeable_chunk_free: compute freeable chunks | 0 | 6 | 0 |
| ges deadlock list | kjcvdte: insert into dd timer_q | 0 | 9 | 5 |
| ges deadlock list | kjcv_move_cg_fg: remove from dd timer_q | 0 | 2 | 6 |
| ges domain table | kjdmlrm: remove a lock from its xid-hashed lock list | 0 | 241 | 245 |
| ges domain table | kjdmlad: add a lock to an xid-hashed lock list | 0 | 220 | 342 |
| ges domain table | kjddopt: search domain lock list | 0 | 85 | 0 |
| ges domain table | kjddopt: check dd timestamp | 0 | 42 | 1 |
| ges enqueue table freelist | kjlalc: lock allocation | 0 | 998 | 1,120 |

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|---|---|---|---|---|
| ges enqueue table freelist | kjlfr: remove lock from parent object | 0 | 993 | 871 |
| ges group table | kjgdgll: move a lock from group lock list to process lock list | 0 | 994 | 635 |
| ges group table | kjgagll: move a lock from process lock list to group lock list | 0 | 640 | 999 |
| ges process hash list | kjakiqa: set inquiry response | 0 | 3 | 2 |
| ges process parent latch | kjata_fg | 0 | 1,227 | 9 |
| ges process parent latch | kjlglc (claim group lock) | 0 | 171 | 78 |
| ges process parent latch | kjlalc: lock allocation from lmon | 0 | 31 | 1 |
| ges process parent latch | kjlrem: detach lock from group | 0 | 12 | 30 |
| ges process parent latch | kjata | 0 | 1 | 42 |
| ges process parent latch | kjatioc | 0 | 1 | 58 |
| ges resource hash list | kjlrlr: remove lock from resource queue | 0 | 4,252,432 | 2,689,928 |
| ges resource hash list | kjrmas1: lookup master node | 0 | 2,866,330 | 1,564,685 |
| ges resource hash list | kjrref: find matched resource | 0 | 507,993 | 3,372,624 |
| ges resource hash list | kjcvscn: remove from scan queue | 0 | 349 | 0 |
| ges resource hash list | kjtscn: try lock res with nowait | 0 | 54 | 0 |
| ges resource hash list | kjakcai: search for resp by resname | 0 | 27 | 25 |
| ges resource hash list | kjlmfnd: search for lockp by rename and inst id | 0 | 10 | 3 |
| ges resource hash list | kjiwtacbk: Phase 1 | 0 | 3 | 0 |
| ges resource hash list | kjxsrply: search for express resource obj | 0 | 3 | 0 |
| ges resource hash list | kjaksast: search for resource for ast | 0 | 2 | 0 |
| ges resource hash list | kjsbstat: get blocker stats | 0 | 1 | 0 |
| ges resource hash list | kjucvl: lock convert request | 0 | 1 | 3 |
| ges resource hash list | kjxiqr: inquire resource held mode | 0 | 1 | 0 |
| ges resource hash list | kjxsokx: search for okX resource obj | 0 | 1 | 0 |
| ges resource table freelist | kjralc: resource allocation | 0 | 14 | 7 |
| ges resource table freelist | kjrfr: remove from resource table | 0 | 3 | 10 |
| ges timeout list | kjteq: insert into timer queue | 0 | 17 | 16 |
| ges timeout list | kjtscn: try to lock timer queue | 0 | 1 | 0 |
| io pool granule list | kcbi: find victim buf | 0 | 9 | 9 |
| kjci objects freelist latch | kjci_alloc_reply | 0 | 7 | 5 |
| kjci objects freelist latch | kjcibal (get) | 0 | 2 | 4 |
| kjci objects freelist latch | kjcibfr_cln (free) | 0 | 2 | 2 |
| kjci process context latch | kjci_finish_int:2 | 0 | 238 | 26 |
| kjci process context latch | kjci_processcrq1 | 0 | 17 | 229 |
| kjci process context latch | kjci_getpctx | 0 | 5 | 7 |
| kjci process context latch | kjci_finish_int | 0 | 2 | 0 |
| kjci process list latch | kjcilwplist3 | 0 | 58,994 | 52,757 |
| kjci process list latch | kjcilwplist1 | 0 | 1,262 | 6,862 |
| kjci process list latch | kjcilwplist4 | 0 | 87 | 310 |
| kjci process list latch | kjcilwplist2 | 0 | 32 | 446 |
| ksuosstats global area | ksugetosstat | 0 | 4 | 4 |
| ksv class latch | ksvclsl: checkpool | 0 | 5 | 0 |
| ksv class latch | ksvclsl: rdp - recycle | 0 | 3 | 1 |
| ksv class latch | ksvclsl: getwork | 0 | 2 | 3 |
| ksxp so latch | ksxpsodel | 0 | 1 | 1 |
| ksz_so allocation latch | ksznfy1 | 0 | 5 | 5 |
| list of block allocation | ktlabl | 0 | 60 | 48 |
| list of block allocation | ktlbbl | 0 | 20 | 33 |
| list of block allocation | ktcdod | 0 | 1 | 0 |
| loader state object freelist | kcblgs | 0 | 124 | 92 |
| loader state object freelist | kcblfs | 0 | 78 | 110 |
| lob segment hash table latch | lob_segment_dispenser:23 | 0 | 36 | 18 |
| lob segment hash table latch | lob_segment_dispenser:18 | 0 | 23 | 23 |
| lob segment hash table latch | lob_segment_dispenser:30 | 0 | 4 | 12 |
| lob segment hash table latch | lob_segment_dispenser:20 | 0 | 2 | 0 |
| lob segment hash table latch | lob_segment_dispenser:06 | 0 | 1 | 11 |
| log write worker phase | kcrfw_slave_phase_enter | 0 | 1 | 0 |
| log write worker phase | kcrfw_slave_phase_exit | 0 | 1 | 2 |
| messages | ksarcv | 0 | 1,963 | 795 |
| messages | ksaamb: after wakeup | 0 | 875 | 2,051 |
| messages | ksarcv: after wait | 0 | 102 | 95 |
| messages | ksaclr | 0 | 2 | 1 |
| mostly latch-free SCN | kcslcu3 | 0 | 2,827 | 3,089 |
| mostly latch-free SCN | kcs01 | 0 | 336 | 417 |
| mostly latch-free SCN | kcs024 | 0 | 262 | 0 |
| mostly latch-free SCN | kcsnew_scn_rba | 0 | 81 | 0 |
| multiblock read objects | kcbzibmlt: normal mbr free | 0 | 3 | 2 |
| object queue header freelist | kcbo_link_q | 0 | 2 | 0 |
| object queue header operation | kclbufs | 0 | 1,032 | 0 |
| object queue header operation | kcbo_write_q | 0 | 241 | 6 |
| object queue header operation | kcbo_switch_q_bg | 0 | 88 | 420 |
| object queue header operation | kcbo_switch_mq_bg | 0 | 75 | 300 |
| object queue header operation | kcbo_link_q | 0 | 67 | 303 |

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|---|---|---|---|---|
| object queue header operation | kcbo_write_bufs | 0 | 58 | 30 |
| object queue header operation | kcbo_sw_buf | 0 | 36 | 151 |
| object queue header operation | kcbo_switch_cq | 0 | 29 | 201 |
| object queue header operation | kcbo_ivbo | 0 | 24 | 21 |
| object queue header operation | kcbo_unlink_q | 0 | 24 | 245 |
| object queue header operation | kcbo_service_ockpt | 0 | 12 | 1 |
| object queue header operation | kcbo_lbufcnt | 0 | 1 | 25 |
| object stats modification | ksoslinentry | 0 | 5 | 8 |
| object stats modification | ksols_rank | 0 | 3 | 0 |
| parallel query alloc buffer | kxfpbalo | 0 | 17 | 17 |
| parallel query alloc buffer | kxfpbfre | 0 | 2 | 2 |
| parallel query stats | kxfprst: KSLBEGIN:1 | 0 | 1 | 1 |
| post/wait queue | kslpstevent:reget | 0 | 11,368 | 12,012 |
| post/wait queue | kslpstevent:get | 0 | 3,069 | 3,275 |
| post/wait queue | ksliwat:add:nowait | 0 | 1,012 | 0 |
| post/wait queue | ksliwat:remove | 0 | 328 | 489 |
| process allocation | ksuapc | 0 | 202 | 254 |
| process allocation | ksudap: active procs | 0 | 199 | 45 |
| process allocation | ksudlp | 0 | 10 | 98 |
| process allocation | ksu_reserve | 0 | 1 | 15 |
| process queue reference | kxfpqrsnd | 0 | 141 | 0 |
| process queue reference | kxfprienq2 | 0 | 2 | 0 |
| process queue reference | kxfpqidqr2 | 0 | 1 | 118 |
| redo allocation | kcrfw_redo_gen: redo allocation 1 | 0 | 47,688 | 0 |
| redo allocation | kcrfw_redo_gen: redo allocation 2 | 0 | 4,099 | 0 |
| redo allocation | kcrfw_redo_write: before write | 0 | 2,859 | 27,791 |
| redo allocation | kcrfw_post: more space | 0 | 2,816 | 22,174 |
| redo allocation | kcrfw_redo_gen: redo allocation 3 | 0 | 1,842 | 9,354 |
| redo allocation | kcrfml | 0 | 12 | 2 |
| redo allocation | kcrfwnf:2 | 0 | 4 | 0 |
| redo writing | kcrfwcr | 0 | 26,555 | 42,105 |
| redo writing | kcrfw_cal_target_rba | 0 | 6,595 | 1,771 |
| redo writing | kcrfw_post: rba scn pair | 0 | 6,565 | 19 |
| redo writing | kcrfw_post: after write | 0 | 4,493 | 262 |
| redo writing | kcrfws: in loop | 0 | 177 | 221 |
| redo writing | kcrfws: outside the loop | 0 | 46 | 31 |
| redo writing | kcrfsr: rba scn pair | 0 | 6 | 17 |
| redo writing | kcrfwnf: new logfile | 0 | 4 | 0 |
| redo writing | kcrfrsn | 0 | 2 | 18 |
| redo writing | kctmttrca | 0 | 2 | 1 |
| redo writing | kcrfwfl: stop redo 2 | 0 | 1 | 1 |
| resmgr:active threads | kgskgtwt | 0 | 9 | 0 |
| resmgr:active threads | kgskmetricupd | 0 | 5 | 0 |
| resmgr:active threads | kgskgactivecnt | 0 | 3 | 1 |
| resmgr:active threads | kgskclassinfo2 | 0 | 2 | 1 |
| resmgr:free threads list | kskthrcreate | 0 | 3 | 3 |
| resmgr:free threads list | kskthrsod | 0 | 1 | 1 |
| sequence cache | kdnssd | 0 | 139,451 | 36,541 |
| sequence cache | kdnnxt: cached seq | 0 | 57,269 | 22,527 |
| sequence cache | kdnss | 0 | 19,045 | 170,622 |
| sequence cache | kdnsoi | 0 | 16,150 | 2,119 |
| sequence cache | kdnwor | 0 | 22 | 127 |
| session allocation | ksuxds_int: free | 0 | 61 | 89 |
| session allocation | ksucri_int : SSO | 0 | 28 | 0 |
| session state list latch | kpseqd | 0 | 1 | 1 |
| session statistics | ksu_allocate_session_stats | 0 | 19 | 19 |
| simulator hash latch | kcbsacc: lookup dba | 0 | 131 | 134 |
| simulator hash latch | kcbs_lookup_setid: lookup dba | 0 | 3 | 0 |
| sort extent pool | ktstaddextent1 | 0 | 92 | 49 |
| sort extent pool | ktstdt: dealloc sort extent | 0 | 57 | 1 |
| sort extent pool | ktstcrtobj | 0 | 35 | 2 |
| sort extent pool | ktstdt: return extent | 0 | 11 | 106 |
| sort extent pool | ktstallobj1 | 0 | 9 | 45 |
| sort extent pool | ktst dump | 0 | 1 | 0 |
| space background task latch | ktsj_grab_task | 0 | 5,627 | 7,513 |
| space background task latch | ktsj_detach_task | 0 | 2,055 | 824 |
| space background task latch | ktsjCreateTask | 0 | 1,173 | 671 |
| space background task latch | ktsj_smco_purgeexpired | 0 | 142 | 0 |
| space background task latch | ktsj_smco_movetasks | 0 | 11 | 0 |
| temp lob duration state obj allocation | kdlt_add_dso_link | 0 | 38 | 8 |
| temp lob duration state obj allocation | kdltddso | 0 | 10 | 40 |
| temporary table state object allocation | kxttCreate | 0 | 2 | 2 |

| | | | | |
|---|---|---|---|---|
| transaction allocation | ktcxbr | 0 | 9,295 | 7,753 |
| transaction allocation | ktcccadd | 0 | 2,470 | 1,868 |
| transaction allocation | ktcccod | 0 | 75 | 328 |
| transaction allocation | ktcccDeleteCommitCallbacks_2 | 0 | 30 | 1,406 |
| transaction allocation | ktcdso | 0 | 16 | 511 |
| undo global data | ktudba: KSLBEGIN | 0 | 773,276 | 771,239 |
| undo global data | ktudnx:child | 0 | 3,544 | 3,225 |
| undo global data | ktufrbs_2 | 0 | 752 | 2,994 |
| undo global data | ktusmupst: KSLBEGIN | 0 | 693 | 703 |
| undo global data | ktubnd:child | 0 | 414 | 640 |
| undo global data | ktuswr_3 | 0 | 114 | 3 |
| undo global data | ktibnd: child | 0 | 49 | 49 |
| undo global data | ktucof: at start | 0 | 6 | 0 |
| undo global data | kturax | 0 | 4 | 0 |
| undo global data | ktur set recov bit | 0 | 3 | 4 |
| undo global data | ktumof_3 | 0 | 1 | 2 |
| undo global data | ktusmasp: ktugd_tuux | 0 | 1 | 5 |
| unknown latch | ksqcmi: if lk mode requested | 0 | 3,973 | 1,987 |
| unknown latch | ksqcmi: if lk mode not requested | 0 | 3,887 | 1,214 |
| unknown latch | ksqrcl | 0 | 3,442 | 4,722 |
| unknown latch | ksqgtl3 | 0 | 2,223 | 4,099 |
| unknown latch | kghalo | 0 | 613 | 577 |
| unknown latch | ksqcmi: get hash chain latch after wait | 0 | 210 | 1,693 |
| unknown latch | ksqexpandres | 0 | 204 | 230 |
| unknown latch | ksqinq | 0 | 143 | 306 |
| unknown latch | kghfru | 0 | 127 | 13 |
| unknown latch | ksqgetblkres | 0 | 121 | 0 |
| unknown latch | ksqexpandwait | 0 | 120 | 126 |
| unknown latch | kghfre | 0 | 78 | 240 |
| unknown latch | ksqhngcbk1: Phase 1 | 0 | 35 | 0 |
| unknown latch | ksqcblk | 0 | 25 | 10 |
| unknown latch | kghfnd: req scan | 0 | 16 | 0 |
| unknown latch | kghalp | 0 | 8 | 18 |
| unknown latch | ksqhngcbk1: Phase 2 | 0 | 4 | 0 |
| unknown latch | spmemrm_free_single_object | 0 | 4 | 0 |
| unknown latch | kghfnd: get next extent | 0 | 1 | 0 |
| unknown latch | kghfnd: min scan | 0 | 1 | 0 |

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# Mutex Sleep Summary

- ordered by number of sleeps desc

| Mutex Type | Location | Sleeps | Wait Time (ms) |
|---|---|---|---|
| Library Cache | kglpin1 4 | 11,675,664 | 21,903,797 |
| Library Cache | kglpnal2 91 | 8,923,150 | 15,564,704 |
| Library Cache | kglpndl1 95 | 8,275,221 | 14,100,204 |
| Library Cache | kglpnal1 90 | 6,339,856 | 10,904,599 |
| Cursor Pin | kksfbc [KKSCHLPIN1] | 446,650 | 579,159 |
| Library Cache | kglhdgn1 62 | 243,552 | 639,170 |
| Cursor Pin | kksLockDelete [KKSCHLPIN6] | 155,411 | 275,287 |
| Cursor Pin | kksfbc [KKSCHLFSP2] | 19,593 | 29,307 |
| Row Cache | [19] kqrpre | 15,872 | 49,810 |
| Library Cache | kglhdgn2 106 | 10,517 | 42,806 |
| Library Cache | kgllkdl1 85 | 10,117 | 28,091 |
| Row Cache | [06] kqrGetClusterLock | 8,013 | 9,844 |
| Row Cache | [10] kqreqd | 7,385 | 10,110 |
| Row Cache | [14] kqrScan | 7,299 | 9,520 |
| Library Cache | kgllkal1 80 | 6,575 | 23,821 |
| Library Cache | kgllkc1 57 | 3,154 | 8,727 |
| Cursor Pin | kkslce [KKSCHLPIN2] | 323 | 569 |
| Cursor Pin | kksxsccmp [KKSCHLPIN5] | 135 | 195 |
| Library Cache | kglget1 1 | 93 | 264 |
| Library Cache | kglobpn1 71 | 77 | 223 |
| Cursor Parent | kkscsPruneChild [KKSPRTLOC27] | 51 | 91 |
| Library Cache | kglhdgh1 64 | 46 | 241 |
| Cursor Parent | kkscsAddChildNode [KKSPRTLOC28] | 33 | 75 |
| hash table | kkshGetNextChild [KKSHBKLOC1] | 18 | 34 |
| hash table | kkscsSearchChildList [KKSHBKLOC2] | 15 | 30 |
| Library Cache | kglhdgh3 161 | 5 | 68 |

| | | | |
|---|---|---|---|
| Library Cache | kglget2 2 | 4 | 21 |
| Library Cache | kglini2 157 | 4 | 8 |
| Library Cache | kglGetHandleReference 123 | 1 | 1 |
| Library Cache | kgllal3 111 | 1 | 0 |
| Library Cache | kgllldl2 112 | 1 | 0 |
| Cursor Stat | qesdpDPCSetupNextExec [KKSSTALOC16] | 1 | 1 |
| Cursor Stat | qesdpIsResolved [KKSSTALOC14] | 1 | 1 |

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## Parent Latch Statistics

**No data exists for this section of the report.**

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## Child Latch Statistics

**No data exists for this section of the report.**

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# Segment Statistics



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## Segments by Logical Reads

- Total Logical Reads: 11,707,426,181
- Captured Segments account for 47.8% of Total
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | Logical Reads | %Total |
|---|---|---|---|---|---|---|---|---|
| YANTRA | EODAT102 | YFS_ORDER_HEADER | | TABLE | 23717 | 313611 | 814,491,424 | 6.96 |
| YANTRA | EODAT102 | YFS_CHARGE_TRANSACTION | | TABLE | 23512 | 23512 | 455,315,280 | 3.89 |
| YANTRA | EODAT001 | YFS_ORG_RELATIONSHIP | | TABLE | 23757 | 23757 | 433,756,160 | 3.70 |
| YANTRA | EODAT001 | EOMS_SUBSCRIPTION_DTLS | | TABLE | 775920 | 799226 | 299,850,368 | 2.56 |
| YANTRA | EODAT102 | YFS_ORDER_INVOICE | | TABLE | 23723 | 23723 | 289,079,216 | 2.47 |

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## Segments by Physical Reads

- Total Physical Reads: 56,959,867
- Captured Segments account for 89.1% of Total
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | Physical Reads | %Total |
|---|---|---|---|---|---|---|---|---|
| YANTRA | EODAT102 | YFS_TASK_Q | | TABLE | 23910 | 23910 | 38,412,594 | 67.44 |
| YANTRA | EODAT102 | YFS_ORDER_LINE | | TABLE | 23731 | 313601 | 3,427,351 | 6.02 |
| YANTRA | EODAT102 | SYS_LOB0000797947C00003$$ | | LOB | 797953 | 797953 | 2,565,466 | 4.50 |
| YANTRA | EODAT102 | YFS_INBOX_AUDIT | | TABLE | 403641 | 403641 | 901,743 | 1.58 |
| YANTRA | EODAT102 | YFS_ORDER_RELEASE_STATUS | | TABLE | 23746 | 28202 | 701,044 | 1.23 |

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## Segments by Physical Read Requests

- Total Physical Read Requests: 18,261,341
- Captured Segments account for 68.7% of Total
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | Phys Read Requests | %Total |
|---|---|---|---|---|---|---|---|---|
| YANTRA | EODAT102 | YFS_ORDER_LINE | | TABLE | 23731 | 313601 | 3,427,456 | 18.77 |
| YANTRA | EODAT102 | SYS_LOB0000797947C00003$$ | | LOB | 797953 | 797953 | 2,372,940 | 12.99 |
| YANTRA | EODAT102 | YFS_INBOX_AUDIT | | TABLE | 403641 | 403641 | 901,747 | 4.94 |
| YANTRA | EODAT102 | YFS_ORDER_RELEASE_STATUS | | TABLE | 23746 | 28202 | 701,045 | 3.84 |
| YANTRA | EODAT102 | YFS_TASK_Q | | TABLE | 23910 | 23910 | 660,470 | 3.62 |

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## Segments by UnOptimized Reads

- Total UnOptimized Read Requests: 18,261,341
- Captured Segments account for 68.7% of Total
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | UnOptimized Reads | %Total |
|---|---|---|---|---|---|---|---|---|
| YANTRA | EODAT102 | YFS_ORDER_LINE | | TABLE | 23731 | 313601 | 3,427,456 | 18.77 |
| YANTRA | EODAT102 | SYS_LOB0000797947C00003$$ | | LOB | 797953 | 797953 | 2,372,940 | 12.99 |
| YANTRA | EODAT102 | YFS_INBOX_AUDIT | | TABLE | 403641 | 403641 | 901,747 | 4.94 |
| YANTRA | EODAT102 | YFS_ORDER_RELEASE_STATUS | | TABLE | 23746 | 28202 | 701,045 | 3.84 |
| YANTRA | EODAT102 | YFS_TASK_Q | | TABLE | 23910 | 23910 | 660,470 | 3.62 |

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## Segments by Optimized Reads

**No data exists for this section of the report.**

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## Segments by Direct Physical Reads

- Total Direct Physical Reads: 41,940,303
- Captured Segments account for 97.6% of Total
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | Direct Reads | %Total |
|---|---|---|---|---|---|---|---|---|
| YANTRA | EODAT102 | YFS_TASK_Q | | TABLE | 23910 | 23910 | 38,357,538 | 91.46 |
| YANTRA | EODAT102 | SYS_LOB0000797947C00003$$ | | LOB | 797953 | 797953 | 2,563,646 | 6.11 |

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## Segments by Physical Writes

- Total Physical Writes: 24,163,995
- Captured Segments account for 36.6% of Total
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | Physical Writes | %Total |
|---|---|---|---|---|---|---|---|---|
| YANTRA | EODAT102 | YFS_ORDER_HEADER | | TABLE | 23717 | 313611 | 877,257 | 3.63 |
| YANTRA | EODAT102 | YFS_TASK_Q | | TABLE | 23910 | 23910 | 736,971 | 3.05 |
| YANTRA | EODAT102 | YFS_ORDER_LINE | | TABLE | 23731 | 313601 | 590,509 | 2.44 |
| YANTRA | EODAT102 | YFS_AUDIT | | TABLE | 797938 | 797938 | 463,210 | 1.92 |
| YANTRA | EODAT102 | SYS_LOB0000797947C00003$$ | | LOB | 797953 | 797953 | 444,318 | 1.84 |

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## Segments by Physical Write Requests

- Total Physical Write Requests: 13,193,244
- Captured Segments account for 42.2% of Total
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | Phys Write Requests | %Total |
|---|---|---|---|---|---|---|---|---|
| YANTRA | EODAT102 | YFS_ORDER_HEADER | | TABLE | 23717 | 313611 | 535,509 | 4.06 |
| YANTRA | EODAT102 | YFS_TASK_Q | | TABLE | 23910 | 23910 | 516,436 | 3.91 |
| YANTRA | EODAT102 | SYS_LOB0000797947C00003$$ | | LOB | 797953 | 797953 | 401,427 | 3.04 |
| YANTRA | EODAT102 | YFS_ORDER_LINE | | TABLE | 23731 | 313601 | 377,953 | 2.86 |
| YANTRA | EODAT102 | YFS_ORDER_RELEASE_STATUS | | TABLE | 23746 | 28202 | 202,312 | 1.53 |

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## Segments by Direct Physical Writes

- Total Direct Physical Writes: 1,160,550
- Captured Segments account for 46.9% of Total
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | Direct Writes | %Total |
|---|---|---|---|---|---|---|---|---|
| YANTRA | EODAT102 | SYS_LOB0000797947C00003$$ | | LOB | 797953 | 797953 | 402,458 | 34.68 |
| SYS | TEMP01 | SYS_TEMP_0FD9D6630_B8C93584 | | TABLE | 4254950960 | 6335680 | 70,700 | 6.09 |
| SYS | TEMP01 | SYS_TEMP_0FD9D6630_B8C93584 | | TABLE | 4254950960 | 6444160 | 70,637 | 6.09 |

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## Segments by Table Scans

- Total Table Scans: 41,628
- Captured Segments account for 48.3% of Total
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | Table Scans | %Total |
|---|---|---|---|---|---|---|---|---|
| YANTRA | EODAT102 | YFS_ORDER_HEADER | | TABLE | 23717 | 313611 | 9,034 | 21.70 |
| YANTRA | EODAT102 | YFS_TASK_Q | | TABLE | 23910 | 23910 | 8,802 | 21.14 |
| YANTRA | EOIDX101 | BBY_ORDER_HEADER_I15 | | INDEX | 31762 | 800440 | 2,255 | 5.42 |
| YANTRA | EOIDX101 | RCON_HOME_DEL_STAT_I3 | | INDEX | 315188 | 315188 | 6 | 0.01 |
| YANTRA | EOIDX101 | YFS_ORDER_HEADER_I9 | SYS_P28590 | INDEX PARTITION | 800362 | 800362 | 2 | 0.00 |

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## Segments by DB Blocks Changes

- % of Capture shows % of DB Block Changes for each top segment compared
- with total DB Block Changes for all segments captured by the Snapshot
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | DB Block Changes | % of Capture |
|---|---|---|---|---|---|---|---|---|
| YANTRA | EOIDX101 | YFS_ORDER_RELEASE_STATUS_I7 | | INDEX | 28441 | 800240 | 293,501,456 | 13.85 |
| YANTRA | EOIDX101 | YFS_ORDER_LINE_I1 | | INDEX | 28308 | 798719 | 248,851,360 | 11.75 |
| YANTRA | EOIDX101 | YFS_TASK_Q_I3 | | INDEX | 26002 | 111923 | 234,003,696 | 11.05 |
| YANTRA | EOIDX001 | YFS_ORD_LN_SRCNG_CNTRL_I1 | | INDEX | 31558 | 111888 | 187,185,664 | 8.84 |
| YANTRA | EODAT001 | WORK_O_PR_DEL_I2 | | INDEX | 26148 | 111773 | 166,412,976 | 7.86 |

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## Segments by Row Lock Waits

- % of Capture shows % of row lock waits for each top segment compared
- with total row lock waits for all segments captured by the Snapshot
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | Row Lock Waits | % of Capture |
|---|---|---|---|---|---|---|---|---|
| YANTRA | EODAT102 | YFS_ORDER_HEADER | | TABLE | 23717 | 313611 | 236,167 | 90.23 |
| YANTRA | EOIDX101 | YFS_TASK_Q_I2 | | INDEX | 26001 | 111922 | 12,614 | 4.82 |
| YANTRA | EODAT001 | YFS_RES_POOL_CAPCTY_CONSMPTN | | TABLE | 23838 | 23838 | 6,841 | 2.61 |
| YANTRA | EODAT002 | INTEROP_ERROR_DISPATCH | | TABLE | 101153 | 101153 | 2,255 | 0.86 |
| YANTRA | EOIDX101 | YFS_ORDER_HEADER_I5 | | INDEX | 32621 | 800430 | 844 | 0.32 |

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## Segments by ITL Waits

- % of Capture shows % of ITL waits for each top segment compared
- with total ITL waits for all segments captured by the Snapshot
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | ITL Waits | % of Capture |
|---|---|---|---|---|---|---|---|---|
| YANTRA | EOIDX101 | BBY_ORDER_LINE_SCHEDULE_I1 | | INDEX | 88075 | 799962 | 14,885 | 97.25 |
| YANTRA | EOIDX101 | BBY_YFS_SHIPMENT_I2 | | INDEX | 33007 | 798753 | 289 | 1.89 |
| YANTRA | EOIDX001 | YFS_SHIPMENT_I23 | | INDEX | 32501 | 32501 | 128 | 0.84 |
| YANTRA | EOIDX101 | YFS_SHIPMENT_LINE_PK | | INDEX | 31684 | 798911 | 2 | 0.01 |
| YANTRA | EODAT102 | EOMS_ORDER_LINE | | TABLE | 24093 | 313599 | 1 | 0.01 |

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## Segments by Buffer Busy Waits

- % of Capture shows % of Buffer Busy Waits for each top segment compared
- with total Buffer Busy Waits for all segments captured by the Snapshot
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | Buffer Busy Waits | % of Capture |
|---|---|---|---|---|---|---|---|---|
| YANTRA | EOIDX101 | YFS_TASK_Q_I2 | | INDEX | 26001 | 111922 | 178,982 | 16.71 |
| YANTRA | EODAT001 | WRK_O_SRV_LN_I2 | | INDEX | 26154 | 111781 | 97,962 | 9.14 |
| YANTRA | EOIDX001 | YFS_INVENTORY_DEMAND_ADDNL_PK | | INDEX | 30401 | 30401 | 69,647 | 6.50 |
| YANTRA | EOIDX101 | BBY_STATISTICS_DETAIL_I1 | PMAXVALUE | INDEX PARTITION | 908732 | 908732 | 64,927 | 6.06 |
| YANTRA | EODAT102 | YFS_AUDIT_PK | | INDEX | 797939 | 797939 | 54,437 | 5.08 |

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## Segments by Global Cache Buffer Busy

- % of Capture shows % of GC Buffer Busy for each top segment compared
- with GC Buffer Busy for all segments captured by the Snapshot
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | GC Buffer Busy | % of Capture |
|---|---|---|---|---|---|---|---|---|
| YANTRA | EOIDX101 | BBY_ORDER_RELEASE_STATUS_IN2 | | INDEX | 28587 | 800098 | 461 | 25.44 |
| YANTRA | EODAT001 | YFS_NOTES | | TABLE | 23707 | 23707 | 250 | 13.80 |
| YANTRA | EOIDX101 | YFS_ORDER_RELEASE_STATUS_I2 | | INDEX | 28406 | 800101 | 232 | 12.80 |
| YANTRA | EODAT102 | YFS_TASK_Q | | TABLE | 23910 | 23910 | 143 | 7.89 |
| YANTRA | EODAT001 | PYMT_AUTH_DTL_AK | | INDEX | 26662 | 85420 | 120 | 6.62 |

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## Segments by CR Blocks Received

- Total CR Blocks Received: 10,324
- Captured Segments account for 0.1% of Total
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | CR Blocks Received | %Total |
|---|---|---|---|---|---|---|---|---|
| SYS | SYSAUX | WRH$_ACTIVE_SESSION_HISTORY_PK | WRH$_ACTIVE_SESSION_HISTORY_2776914753_MXSN | INDEX PARTITION | 925251 | 925259 | 11 | 0.11 |
| SYS | SYSAUX | WRH$_INTERCONNECT_PINGS | WRH$_INTERCONNECT_PINGS_2776914753_MXSN | TABLE PARTITION | 909116 | 925293 | 4 | 0.04 |

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## Segments by Current Blocks Received

- Total Current Blocks Received: 1,180,060
- Captured Segments account for 102.5% of Total
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | Current Blocks Received | %Total |
|---|---|---|---|---|---|---|---|---|
| SYS | TOOLS01 | AUD$ | | TABLE | 384 | 86154 | 1,209,946 | 102.53 |
| SYS | SYSAUX | WRH$_ACTIVE_SESSION_HISTORY_PK | WRH$_ACTIVE_SESSION_HISTORY_2776914753_MXSN | INDEX PARTITION | 925251 | 925259 | 99 | 0.01 |
| SYS | SYSAUX | WRH$_SERVICE_STAT_PK | WRH$_SERVICE_STAT_2776914753_MXSN | INDEX PARTITION | 925247 | 925247 | 7 | 0.00 |
| YANTRA | EODAT102 | EOMS_ORD_LN_OPEN_DMND | | TABLE | 298502 | 798086 | 1 | 0.00 |
| YANTRA | EODAT102 | YFS_ORDER_RELEASE_STATUS | | TABLE | 23746 | 28202 | 1 | 0.00 |

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## Segments by Global Cache Remote Grants

- Total Global Cache Remote Grants: 3,680,817
- Captured Segments account for 56.6% of Total
- When ** MISSING ** occurs, some of the object attributes may not be available

| Owner | Tablespace Name | Object Name | Subobject Name | Obj. Type | Obj# | Dataobj# | GC Remote Grants | %Total |
|---|---|---|---|---|---|---|---|---|
| YANTRA | EOIDX101 | YFS_ORDER_HEADER_I10 | | INDEX | 25200 | 800447 | 132,300 | 3.59 |
| YANTRA | EOIDX001 | YFS_SHIPMENT_LINE_I4 | | INDEX | 32349 | 32349 | 124,920 | 3.39 |
| YANTRA | EOIDX001 | YFS_CONTAINER_DETAILS_I1 | | INDEX | 32338 | 32338 | 110,984 | 3.02 |
| YANTRA | EOIDX001 | YFS_CONTAINER_DETAILS_I2 | | INDEX | 32346 | 32346 | 106,496 | 2.89 |
| YANTRA | EOIDX101 | YFS_ORDER_INVOICE_I1 | | INDEX | 25250 | 31619 | 91,818 | 2.49 |

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# Dictionary Cache Statistics

- Dictionary Cache Stats
- Dictionary Cache Stats (RAC)

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## Dictionary Cache Stats

- "Pct Misses" should be very low (< 2% in most cases)
- "Final Usage" is the number of cache entries being used

| Cache | Get Requests | Pct Miss | Scan Reqs | Pct Miss | Mod Reqs | Final Usage |
|---|---|---|---|---|---|---|
| dc_awr_control | 1,612 | 0.74 | 0 | | 12 | 2 |
| dc_global_oids | 10,350 | 0.00 | 0 | | 0 | 46 |
| dc_histogram_data | 9,374 | 0.00 | 0 | | 0 | 45,362 |
| dc_histogram_defs | 3,449 | 0.00 | 0 | | 34 | 26,305 |
| dc_objects | 360,180 | 0.01 | 0 | | 155 | 13,868 |
| dc_profiles | 16,098 | 0.00 | 0 | | 0 | 5 |
| dc_rollback_segments | 624,942 | 0.00 | 0 | | 56 | 7,599 |
| dc_segments | 163,931 | 0.13 | 0 | | 1,664 | 17,688 |
| dc_sequences | 47,957 | 0.02 | 0 | | 47,956 | 21 |
| dc_tablespaces | 18,521,278 | 0.00 | 0 | | 0 | 17 |
| dc_users | 346,779 | 0.00 | 0 | | 0 | 296 |
| outstanding_alerts | 154 | 50.65 | 0 | | 0 | 26 |
| sch_lj_oids | 259 | 0.00 | 0 | | 0 | 23 |
| smo rowcache | 14 | 85.71 | 0 | | 0 | 2,392 |

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## Dictionary Cache Stats (RAC)

| Cache | GES Requests | GES Conflicts | GES Releases |
|---|---|---|---|
| dc_awr_control | 1,612 | 0 | 0 |
| dc_global_oids | 10,350 | 0 | 0 |
| dc_histogram_defs | 2,881 | 0 | 0 |
| dc_objects | 360,025 | 0 | 0 |
| dc_profiles | 16,098 | 0 | 0 |
| dc_rollback_segments | 624,920 | 0 | 0 |
| dc_segments | 163,939 | 0 | 0 |
| dc_sequences | 47,957 | 0 | 0 |
| dc_tablespaces | 18,521,228 | 0 | 0 |

| | | | |
|---|---|---|---|
| dc_users | 169,925 | 0 | 0 |
| outstanding_alerts | 154 | 0 | 0 |
| sch_lj_oids | 259 | 0 | 0 |

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# Library Cache Statistics



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## Library Cache Activity

- "Pct Misses" should be very low

| Namespace | Get Requests | Pct Miss | Pin Requests | Pct Miss | Reloads | Invali- dations |
|---|---|---|---|---|---|---|
| ACCOUNT_STATUS | 23,788 | 0.00 | 0 | | 0 | 0 |
| BODY | 3,751 | 0.00 | 9,538,130 | 0.00 | 0 | 0 |
| CONTEXT POLICY | 2,530,514 | 0.00 | 2,530,527 | 0.00 | 0 | 0 |
| DBLINK | 16,103 | 0.00 | 0 | | 0 | 0 |
| DIRECTORY | 4,038 | 0.00 | 4,038 | 0.00 | 0 | 0 |
| EDITION | 4,205 | 0.00 | 4,205 | 0.00 | 0 | 0 |
| FED APP | 32 | 0.00 | 32 | 0.00 | 0 | 0 |
| HINTSET OBJECT | 88 | 14.77 | 88 | 29.55 | 2 | 0 |
| INDEX | 35 | 0.00 | 35 | 0.00 | 0 | 0 |
| OBJECT ID | 8 | 100.00 | 0 | | 0 | 0 |
| QUEUE | 364 | 0.00 | 364 | 0.00 | 0 | 0 |
| SCHEMA | 4,115 | 0.00 | 0 | | 0 | 0 |
| SQL AREA | 107,235,831 | 98.54 | 719,932,646 | 597.93 | 26 | 27 |
| SQL AREA BUILD | 66 | 68.18 | 0 | | 0 | 0 |
| SQL AREA STATS | 74 | 66.22 | 74 | 66.22 | 0 | 0 |
| TABLE/PROCEDURE | 2,659,701 | 0.00 | 120,669,241 | 0.00 | 12 | 0 |
| TRANSFORMATION | 356 | 0.00 | 356 | 0.00 | 0 | 0 |
| TRIGGER | 4,182 | 0.00 | 4,182 | 0.00 | 0 | 0 |
| USER PRIVILEGE | 47 | 0.00 | 47 | 0.00 | 0 | 0 |

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## Library Cache Activity (RAC)

| Namespace | GES Lock Requests | GES Pin Requests | GES Pin Releases | GES Inval Requests | GES Invali- dations |
|---|---|---|---|---|---|
| ACCOUNT_STATUS | 23,788 | 0 | 0 | 0 | 0 |
| BODY | 18 | 9,538,060 | 9,538,060 | 0 | 0 |
| CONTEXT POLICY | 2,530,608 | 2,530,581 | 2,530,581 | 0 | 0 |
| DBLINK | 16,103 | 0 | 0 | 0 | 0 |
| DIRECTORY | 4,038 | 4,038 | 4,038 | 0 | 0 |
| EDITION | 4,205 | 4,205 | 4,205 | 0 | 0 |
| FED APP | 32 | 32 | 32 | 0 | 0 |
| HINTSET OBJECT | 88 | 88 | 88 | 0 | 0 |
| INDEX | 35 | 35 | 35 | 0 | 0 |
| QUEUE | 364 | 364 | 364 | 0 | 0 |
| SCHEMA | 4,096 | 0 | 0 | 0 | 0 |
| TABLE/PROCEDURE | 2,661,315 | 120,506,123 | 120,506,123 | 0 | 0 |
| TRANSFORMATION | 356 | 356 | 356 | 0 | 0 |
| TRIGGER | 0 | 4,182 | 4,182 | 0 | 0 |
| USER PRIVILEGE | 0 | 47 | 47 | 0 | 0 |

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# Memory Statistics

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## Memory Dynamic Components

- Min/Max sizes since instance startup
- Oper Types/Modes: INItializing,GROw,SHRink,STAtic/IMMediate,DEFerred
- ordered by Component

| Component | Begin Snap Size (Mb) | Current Size (Mb) | Min Size (Mb) | Max Size (Mb) | Oper Count | Last Op Typ/Mod |
|---|---|---|---|---|---|---|
| ASM Buffer Cache | 0.00 | 0.00 | 0.00 | 0.00 | 0 | STA/ |
| DEFAULT 16K buffer cache | 0.00 | 0.00 | 0.00 | 0.00 | 0 | STA/ |
| DEFAULT 2K buffer cache | 0.00 | 0.00 | 0.00 | 0.00 | 0 | STA/ |
| DEFAULT 32K buffer cache | 0.00 | 0.00 | 0.00 | 0.00 | 0 | STA/ |
| DEFAULT 4K buffer cache | 0.00 | 0.00 | 0.00 | 0.00 | 0 | STA/ |
| DEFAULT 8K buffer cache | 0.00 | 0.00 | 0.00 | 0.00 | 0 | STA/ |
| DEFAULT buffer cache | 1,048,576.00 | 1,048,576.00 | 1,048,576.00 | 1,048,576.00 | 0 | SHR/IMM |
| Data Transfer Cache | 0.00 | 0.00 | 0.00 | 0.00 | 0 | STA/ |
| In Memory RO Extension Area | 0.00 | 0.00 | 0.00 | 0.00 | 0 | STA/ |
| In Memory RW Extension Area | 0.00 | 0.00 | 0.00 | 0.00 | 0 | STA/ |
| In-Memory Area | 0.00 | 0.00 | 0.00 | 0.00 | 0 | STA/ |
| KEEP buffer cache | 0.00 | 0.00 | 0.00 | 0.00 | 0 | STA/ |
| PGA Target | 16,384.00 | 16,384.00 | 16,384.00 | 16,384.00 | 0 | STA/ |
| RECYCLE buffer cache | 4,608.00 | 4,608.00 | 4,608.00 | 4,608.00 | 0 | INI/ |
| SGA Target | 0.00 | 0.00 | 0.00 | 0.00 | 0 | STA/ |
| Shared IO Pool | 0.00 | 0.00 | 0.00 | 0.00 | 0 | GRO/IMM |
| java pool | 3,584.00 | 3,584.00 | 3,584.00 | 3,584.00 | 0 | STA/ |
| large pool | 3,584.00 | 3,584.00 | 3,584.00 | 3,584.00 | 0 | STA/ |
| memoptimize buffer cache | 0.00 | 0.00 | 0.00 | 0.00 | 0 | STA/ |
| shared pool | 102,400.00 | 102,400.00 | 102,400.00 | 102,400.00 | 0 | STA/ |
| streams pool | 3,072.00 | 3,072.00 | 3,072.00 | 3,072.00 | 0 | STA/ |
| unified pga pool | 0.00 | 0.00 | 0.00 | 0.00 | 0 | STA/ |

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## Memory Resize Operations Summary

**No data exists for this section of the report.**

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## Memory Resize Ops

**No data exists for this section of the report.**

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## Process Memory Summary

- B: Begin Snap E: End Snap
- All rows below contain absolute values (i.e. not diffed over the interval)
- Max Alloc is Maximum PGA Allocation size at snapshot time
- Hist Max Alloc is the Historical Max Allocation for still-connected processes
- ordered by Begin/End snapshot, Alloc (MB) desc
- Top 10 containers by Alloc (MB) at end snapshot time are displayed

| | Category | Alloc (MB) | Used (MB) | Avg Alloc (MB) | Std Dev Alloc (MB) | Max Alloc (MB) | Hist Max Alloc (MB) | Num Proc | Num Alloc |
|---|---|---|---|---|---|---|---|---|---|
| B | Freeable | 3,172.88 | 0.00 | 0.49 | 4.01 | 204 | | 6,482 | 6,482 |
| | Other | 48,721.03 | | 4.15 | 3.74 | 332 | 332 | 11,749 | 11,749 |
| | PL/SQL | 327.43 | 223.74 | 0.03 | 0.07 | 4 | 10 | 11,748 | 11,739 |
| | SQL | 291.77 | 116.06 | 0.03 | 0.19 | 7 | 1,151 | 11,606 | 11,467 |
| | Total | 52,513.11 | 339.81 | 4.69 | 8.00 | 546 | 1,493 | 41,585 | 41,437 |
| E | Freeable | 4,091.81 | 0.00 | 0.50 | 4.12 | 277 | | 8,186 | 8,186 |
| | Other | 51,716.60 | | 4.32 | 3.70 | 332 | 332 | 11,965 | 11,965 |
| | PL/SQL | 327.81 | 206.67 | 0.03 | 0.07 | 4 | 58 | 11,965 | 11,955 |
| | SQL | 543.55 | 314.27 | 0.05 | 1.37 | 148 | 1,151 | 11,824 | 11,538 |
| | Total | 56,679.77 | 520.94 | 4.90 | 9.26 | 760 | 1,541 | 43,940 | 43,644 |

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## SGA Memory Summary

| SGA regions | Begin Size (Bytes) | End Size (Bytes) (if different) |
|---|---|---|
| Database Buffers | 1,104,343,465,984 | |
| Fixed Size | 37,313,576 | |
| Redo Buffers | 499,556,352 | |
| Variable Size | 118,111,600,640 | |

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## SGA breakdown difference by Pool and Name

- ordered by Pool, Name
- N/A value for Begin MB or End MB indicates the size of that Pool/Name was insignificant, or zero in that snapshot

| Pool | Name | Begin MB | End MB | % Diff |
|---|---|---|---|---|
| java | free memory | 3,569.98 | 3,569.98 | 0.00 |
| large | free memory | 3,583.63 | 3,583.63 | 0.00 |
| shared | KJSC rnb slots | 1,136.47 | 1,419.10 | 24.87 |
| shared | KKSSP | | 1,094.46 | |
| shared | db_block_hash_buckets | 2,048.00 | 2,048.00 | 0.00 |
| shared | free memory | 52,174.71 | 51,678.87 | -0.95 |
| shared | gc name table | 2,304.00 | 2,304.00 | 0.00 |
| shared | gcs resources | 18,684.39 | 18,684.39 | 0.00 |
| shared | gcs resv res hash bucket | 3,456.00 | 3,456.00 | 0.00 |
| shared | gcs shadows | 10,191.49 | 10,191.49 | 0.00 |
| shared | row cache | 0.02 | 0.02 | 0.00 |
| streams | free memory | 3,072.00 | 3,072.00 | 0.00 |
| | buffer_cache | 1,053,184.00 | 1,053,184.00 | 0.00 |
| | fixed_sga | 35.58 | 35.58 | 0.00 |
| | log_buffer | 476.41 | 476.41 | 0.00 |

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# Replication Statistics (GoldenGate, XStream)



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## Replication System Resource Usage

**No data exists for this section of the report.**

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## Replication SGA Usage

**No data exists for this section of the report.**

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## GoldenGate Capture

**No data exists for this section of the report.**

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## GoldenGate Capture Rate

**No data exists for this section of the report.**

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## GoldenGate Apply Reader

**No data exists for this section of the report.**

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## GoldenGate Apply Coordinator

**No data exists for this section of the report.**

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## GoldenGate Apply Server

**No data exists for this section of the report.**

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## GoldenGate Apply Coordinator Rate

**No data exists for this section of the report.**

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## GoldenGate Apply Reader and Server Rate

**No data exists for this section of the report.**

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## XStream Capture

**No data exists for this section of the report.**

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## XStream Capture Rate

**No data exists for this section of the report.**

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## XStream Apply Reader

**No data exists for this section of the report.**

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## XStream Apply Coordinator

**No data exists for this section of the report.**

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## XStream Apply Server

**No data exists for this section of the report.**

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## XStream Apply Coordinator Rate

**No data exists for this section of the report.**

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## XStream Apply Reader and Server Rate

**No data exists for this section of the report.**

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## Table Statistics by DML Operations

**No data exists for this section of the report.**

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## Table Statistics by Conflict Resolutions

**No data exists for this section of the report.**

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## Replication Large Transaction Statistics

**No data exists for this section of the report.**

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## Replication Long Running Transaction Statistics

**No data exists for this section of the report.**

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# Advanced Queuing



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## Advanced Queue CPU/IO Usage

- Queue Monitor processes ordered by CPU Time in descending order

| Session Type | First Logon | CPU time(s) | User IO Wait time(s) | SYS IO Wait time(s) |
|---|---|---|---|---|
| EMON Regular Slave | 13-Oct-21 14:26:06 | 0.54 | 0.00 | 0.00 |
| QMON Coordinator | 13-Oct-21 14:26:05 | 0.23 | 0.00 | 0.00 |
| QMON Slave | 13-Oct-21 14:26:05 | 0.11 | 0.00 | 0.00 |
| EMON Coordinator | 13-Oct-21 14:26:05 | 0.10 | 0.00 | 0.00 |
| EMON Reliable Slave | 13-Oct-21 14:26:06 | 0.10 | 0.00 | 0.00 |

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## Buffered Queues

**No data exists for this section of the report.**

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## Buffered Queue Subscribers

**No data exists for this section of the report.**

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## Rule Set

**No data exists for this section of the report.**

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## Persistent Queues

- Ordered by Queue Name
- * indicates queue (re)started between Begin/End snaps
- %Exp Msgs - % of msgs enqueued with expiry
- %Delay Msgs - % of msgs enqueued with delay
- %Trasf Time - % of Enqueue time spent in transformation
- %Eval Time - % of Enqueue time spent in rule evaluation

| Queue Name | Enq Msgs | Deq Msgs | %Exp Msgs | %Delay Msgs | Enq Time(s) | Deq Time(s) | %Transf Time | %Eval Time |
|---|---|---|---|---|---|---|---|---|
| SYS.ALERT_QUE(12588) | 0 | 0 | | | 0.00 | 0.00 | | |
| SYS.AQ$_ALERT_QT_E(12587) | 0 | 0 | | | 0.00 | 0.00 | | |

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## Persistent Queues Rate

- Ordered by Queue Name
- * indicates queue (re)started between Begin/End snaps

| Queue Name | Enqueue Msgs/sec | Dequeue Msgs/sec | Avg Enqueue sec / msg | Avg Dequeue sec / msg |
|---|---|---|---|---|
| SYS.ALERT_QUE(12588) | 0.00 | 0.00 | | |
| SYS.AQ$_ALERT_QT_E(12587) | 0.00 | 0.00 | | |

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## Persistent Queue Subscribers

- Ordered by Queue Name, Subscriber Name
- * indicates Subscriber activity (re)started between Begin/End snaps

| Subscriber/Queue | Enqueue Msgs | Dequeue Msgs | Expire Msgs | Enqueue Msgs/sec | Dequeue Msgs/sec | Expire Msgs/sec |
|---|---|---|---|---|---|---|
| DLP20DB_NA_BE_42691_OP01EODB0(6)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| DLP21DB_NA_BE_42691_OP01EODB0(4)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| DLP21DB_NA_BE_42695_OP01EODB0(26)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| DLP22DB_NA_BE_42691_OP01EODB0(5)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGDLP20DB_NA_3872_IIIP01EODB01(107)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGDLP21DB_NA_3872_IP01EODB02(27)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGDLP21DB_NA_3872_RP01EODB02(28)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGDLP22DB_NA_3872_IIP01EODB03(207)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGDLP22DB_NA_3872_IP01EODB03(47)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGDLP22DB_NA_3872_IRP01EODB03(167)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGDLP22DB_NA_3872_RP01EODB03(48)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGDLP22DB_NA_3872_RRP01EODB03(268)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGDRL02OMSDB_3873_IQ05EODB02(534)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGDRL02OMSDB_3873_R(573)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGDRL02OMSDB_3873_RQ05EODB02(533)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGDRL02OMSDB_387IQ05EODB02(593)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGDRL02OMSDB_38RQ05EODB02(595)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGDRL02OMSDB_3RQ05EODB02(594)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGPDL01OMSDB_3872RP01EODB02(511)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGPDL01OMSDB_3872_IP01EODB02(328)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGPDL01OMSDB_3872_IRP01EODB02(388)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGPDL01OMSDB_3872_IRRP01EODB02(450)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |

| | | | | | | |
|---|---|---|---|---|---|---|
| NGPDL01OMSDB_3872_RP01EODB02(329)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGPDL01OMSDB_3872_RRP01EODB02(411)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NGPDL01OMSDB_38RP01EODB02(512)/SYS.ALERT_QUE | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |

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## Resource Limit Stats

- Only rows with Current or Maximum Utilization > 80% of Limit are shown
- For "UNLIMITED" resources, rows whose Current or Maximum Utilization exceeds 2*Initial Allocation are shown
- Ordered by Resource Name

| Resource Name | Current Utilization | Maximum Utilization | Initial Allocation | Limit |
|---|---|---|---|---|
| ges_cache_ress | 91,870 | 97,679 | 0 | UNLIMITED |
| ges_reg_msgs | 1,019,234 | 1,030,167 | 42030 | UNLIMITED |
| smartio_overhead_memory | 0 | 171,032 | 0 | UNLIMITED |
| smartio_sessions | 0 | 1 | 0 | UNLIMITED |

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## Shared Server Statistics

- Shared Servers Activity
- Shared Servers Rates
- Shared Servers Utilization
- Shared Servers Common Queue
- Shared Servers Dispatchers

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## Shared Servers Activity

- Values represent averages for all samples

| Avg Total Connections | Avg Active Connections | Avg Total Shared Srvrs | Avg Active Shared Srvrs | Avg Total Dispatchers | Avg Active Dispatchers |
|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 |

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## Shared Servers Rates

| Common Queue Per Sec | Disp Queue Per Sec | Server Msgs/Sec | Server KB/Sec | Common Queue Total | Disp Queue Total | Server Total Msgs | Server Total(KB) |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0 |

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## Shared Servers Utilization

**No data exists for this section of the report.**

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## Shared Servers Common Queue

**No data exists for this section of the report.**

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## Shared Servers Dispatchers

**No data exists for this section of the report.**

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## Initialization Parameters

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# Modified Parameters

- This section shows all the modified initialization parameters that were in effect during the entire snapshot interval
- End Value is displayed only if the parameter value was modified within the snapshot interval

| Parameter Name | Begin value | End value (if different) |
|---|---|---|
| _enable_ptime_update_for_sys | TRUE | |
| _lm_res_hash_bucket | 393216 | |
| aq_tm_processes | 4 | |
| audit_file_dest | /u01/app/oracle/admin/oq05eodb02/adump | |
| audit_sys_operations | TRUE | |
| audit_syslog_level | LOCAL6.INFO | |
| audit_trail | OS | |
| cluster_database | TRUE | |
| compatible | 19.0.0 | |
| control_file_record_keep_time | 15 | |
| control_files | +OQ05EODB_DATA01/OQ05EODB/CONTROLFILE/current.824.1082738081, +OQ05EODB_RECO01/OQ05EODB/CONTROLFILE/current.1212.1082738083, +OQ05EODB_RECO01/OQ05EODB/CONTROLFILE/current.416.1082738083 | |
| core_dump_dest | /u01/app/oracle/admin/oq05eodb02/cdump | |
| cursor_sharing | FORCE | |
| db_block_size | 16384 | |
| db_cache_size | 1099511627776 | |
| db_create_file_dest | +OQ05EODB_DATA01 | |
| db_domain | world | |
| db_files | 4096 | |
| db_flashback_retention_target | 4320 | |
| db_name | oq05eodb | |
| db_recovery_file_dest | +OQ05EODB_RECO01 | |
| db_recovery_file_dest_size | 1443109011456 | |
| db_recycle_cache_size | 4831838208 | |
| db_unique_name | oq05eodb | |
| db_writer_processes | 12 | |
| diagnostic_dest | /u01/app/oracle | |
| disk_asynch_io | TRUE | |
| fast_start_mttr_target | 1800 | |
| gcs_server_processes | 18 | |
| instance_number | 1 | |
| java_pool_size | 3758096384 | |
| job_queue_processes | 250 | |
| large_pool_size | 3758096384 | |
| ldap_directory_access | PASSWORD | |
| ldap_directory_sysauth | YES | |
| listener_networks | | |
| local_listener | oq05eodb01_local | |
| log_archive_dest_1 | LOCATION=+OQ05EODB_RECO01 | |
| log_archive_dest_2 | location=/oq05eodb/pl_reco/attunity | |
| log_archive_dest_state_2 | ENABLE | |
| log_archive_min_succeed_dest | 1 | |
| log_checkpoint_interval | 0 | |
| max_dump_file_size | 500000000 | |
| nls_date_format | DD-MON-RR | |
| open_cursors | 2000 | |
| open_links | 255 | |
| optimizer_capture_sql_plan_baselines | TRUE | |
| optimizer_dynamic_sampling | 0 | |
| optimizer_features_enable | 19.1.0 | |
| optimizer_index_cost_adj | 50 | |
| os_authent_prefix | | |
| parallel_max_servers | 180 | |
| parallel_min_servers | 0 | |
| pga_aggregate_limit | 0 | |
| pga_aggregate_target | 17179869184 | |
| processes | 20000 | |
| recovery_parallelism | 120 | |
| remote_listener | qlocdb37:50000 | |
| remote_login_passwordfile | EXCLUSIVE | |
| resource_limit | FALSE | |

| | |
|---|---|
| resource_manager_plan | |
| service_names | oq05eodb.world |
| session_cached_cursors | 200 |
| session_max_open_files | 20 |
| sessions | 30080 |
| shared_pool_reserved_size | 262144000 |
| shared_pool_size | 107374182400 |
| star_transformation_enabled | false |
| statistics_level | TYPICAL |
| streams_pool_size | 3221225472 |
| thread | 1 |
| timed_statistics | TRUE |
| trace_enabled | TRUE |
| undo_management | AUTO |
| undo_retention | 14400 |
| undo_tablespace | undo01 |
| use_large_pages | ONLY |
| workarea_size_policy | AUTO |

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## Modified Multi-Valued Parameters

- This section only displays parameters that have more than one value
- '(NULL)' indicates a missing parameter value
- A blank in the 'End Snapshot' indicates the same value as the 'Begin Snapshot'

| Parameter Name | Begin value | End value (if different) |
|---|---|---|
| control_files | +OQ05EODB_DATA01/OQ05EODB/CONTROLFILE/current.824.1082738081 | |
| | +OQ05EODB_RECO01/OQ05EODB/CONTROLFILE/current.1212.1082738083 | |
| | +OQ05EODB_RECO01/OQ05EODB/CONTROLFILE/current.416.1082738083 | |

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# Active Session History (ASH) Report



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## Top SQL with Top Events

- Top SQL statements by DB Time along with the top events by DB Time for those SQLs.
- % Activity is the percentage of DB Time due to the SQL.
- % Event is the percentage of DB Time due to the event that the SQL is waiting on.
- % Row Source is the percentage of DB Time due to the row source for the SQL waiting on the event.
- Executions is the number of executions of the SQL that were sampled in ASH.

| SQL ID | Plan Hash | Executions | % Activity | Event | % Event | Top Row Source | % Row Source | SQL Text |
|---|---|---|---|---|---|---|---|---|
| 8pvr9fks6m1r9 | 479277795 | 168032 | 68.26 | latch: ges resource hash list | 65.00 | SEQUENCE | 65.00 | SELECT /*YANTRA*/ TO_CHAR(sysd... |
| | | | | library cache: mutex X | 2.73 | SEQUENCE | 2.73 | |
| ccfrfn4vuhtt0 | 3998855891 | 12152 | 4.99 | enq: TX - row lock contention | 4.84 | FOR UPDATE | 4.84 | SELECT /*YANTRA*/ YFS_ORDER_HE... |
| 5953uw2xanr37 | 1003686682 | 1109 | 3.99 | enq: TX - row lock contention | 3.99 | FOR UPDATE | 3.99 | SELECT /*YANTRA*/ YFS_RES_POOL... |

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## Top SQL with Top Row Sources

- Top SQL statements by DB Time along with the top row sources by DB Time for those SQLs.
- % Activity is the percentage of DB Time due to the SQL.
- % Row Source is the percentage of DB Time spent on the row source by that SQL.
- % Event is the percentage of DB Time spent on the event by the SQL executing the row source.
- Executions is the number of executions of the SQL that were sampled in ASH.

| SQL ID | Plan Hash | Executions | % Activity | Row Source | % Row Source | Top Event | % Event | SQL Text |
|---|---|---|---|---|---|---|---|---|

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 8pvr9fks6m1r9 | 479277795 | 168032 | 68.26 | SEQUENCE | 68.11 | latch: ges resource hash list | 65.00 | SELECT /*YANTRA*/ TO_CHAR(sysd... |
| ccfrfn4vuhtt0 | 3998855891 | 12152 | 4.99 | FOR UPDATE | 4.86 | enq: TX - row lock contention | 4.84 | SELECT /*YANTRA*/ YFS_ORDER_HE... |
| 5953uw2xanr37 | 1003686682 | 1109 | 3.99 | FOR UPDATE | 3.99 | enq: TX - row lock contention | 3.99 | SELECT /*YANTRA*/ YFS_RES_POOL... |

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# Top Sessions

**No data exists for this section of the report.**

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# Top Blocking Sessions

- Blocking session activity percentages are calculated with respect to waits on enqueues, latches and "buffer busy" only
- '% Activity' represents the load on the database caused by a particular blocking session
- '# Samples Active' shows the number of ASH samples in which the blocking session was found active.
- 'XIDs' shows the number of distinct transaction IDs sampled in ASH when the blocking session was found active.

| Blocking Sid (Inst) | % Activity | Event Caused | % Event | User | Program | # Samples Active | XIDs |
|---|---|---|---|---|---|---|---|
| 14665,21513( 1) | 3.91 | log file sync | 3.91 | SYS | oracle@drl02om...uy.com (LGWR) | 312/360 [ 87%] | 0 |

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# Top PL/SQL Procedures

**No data exists for this section of the report.**

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# Top Events

- Top Events by DB Time
- % Activity is the percentage of DB Time due to the event

| Event | Event Class | Session Type | % Activity | Avg Active Sessions |
|---|---|---|---|---|
| latch: ges resource hash list | Other | FOREGROUND | 65.40 | 448.43 |
| CPU + Wait for CPU | CPU | FOREGROUND | 11.73 | 80.44 |
| enq: TX - row lock contention | Application | FOREGROUND | 8.86 | 60.75 |
| log file sync | Commit | FOREGROUND | 3.91 | 26.80 |
| library cache: mutex X | Concurrency | FOREGROUND | 2.79 | 19.10 |

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# Top Event P1/P2/P3 Values

- Top Events by DB Time and the top P1/P2/P3 values for those events.
- % Event is the percentage of DB Time due to the event
- % Activity is the percentage of DB Time due to the event with the given P1,P2,P3 Values.

| Event | % Event | P1, P2, P3 Values | % Activity | Parameter 1 | Parameter 2 | Parameter 3 |
|---|---|---|---|---|---|---|
| latch: ges resource hash list | 65.40 | "108367931896","205","0" | 51.96 | address | number | why |
| | | "108367931896","205","107706760184" | 13.39 | | | |
| enq: TX - row lock contention | 8.86 | "1415053318","63897660","3082331" | 0.03 | name\|mode | usn<<16 \| slot | sequence |
| log file sync | 3.91 | "70","14340815248453","0" | 0.00 | buffer# | sync scn | NOT DEFINED |
| library cache: mutex X | 2.79 | "1575989755","0","136816183279620" | 0.38 | idn | value | where |
| enq: TX - allocate ITL entry | 1.15 | "1415053316","57147457","2479092" | 0.01 | name\|mode | usn<<16 \| slot | sequence |

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# Top DB Objects

- Top DB Objects by DB Time with respect to Application, Cluster, User I/O, buffer busy waits and In-Memory DB events only.
- Tablespace name is not available for reports generated from the root PDB of a consolidated database.
- When ** MISSING ** occurs, some of the object attributes may not be available.

| Object ID | % Activity | Event | % Event | Object Name (Type) | Tablespace |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| 23717 | 4.85 | enq: TX - row lock contention | 4.85 | YANTRA.YFS_ORDER_HEADER (TABLE) | EODAT102 |
| 23838 | 3.99 | enq: TX - row lock contention | 3.99 | YANTRA.YFS_RES_POOL_CAPCTY_CONSMPTN (TABLE) | EODAT001 |

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## Activity Over Time

- Analysis period is divided into smaller time slots as indicated in the 'Slot Time (Duration)'.
- Top 3 events are reported in each of those slots
- 'Slot Count' shows the number of ASH samples in that slot
- 'Event Count' shows the number of ASH samples waiting for that event in that slot
- '% Event' is 'Event Count' over all ASH samples in the analysis period

| Slot Time (Duration) | Slot Count | Event | Event Count | % Event |
|---|---|---|---|---|
| 07:00:22 (4.6 min) | 22,128 | latch: ges resource hash list | 14,807 | 5.99 |
| | | CPU + Wait for CPU | 2,312 | 0.94 |
| | | enq: TX - row lock contention | 1,527 | 0.62 |
| 07:05:00 (5.0 min) | 19,568 | latch: ges resource hash list | 12,189 | 4.93 |
| | | CPU + Wait for CPU | 2,514 | 1.02 |
| | | enq: TX - row lock contention | 1,822 | 0.74 |
| 07:10:00 (5.0 min) | 22,901 | latch: ges resource hash list | 15,519 | 6.28 |
| | | CPU + Wait for CPU | 2,439 | 0.99 |
| | | enq: TX - row lock contention | 2,038 | 0.82 |
| 07:15:00 (5.0 min) | 20,521 | latch: ges resource hash list | 13,272 | 5.37 |
| | | CPU + Wait for CPU | 2,533 | 1.03 |
| | | enq: TX - row lock contention | 2,086 | 0.84 |
| 07:20:00 (5.0 min) | 21,840 | latch: ges resource hash list | 14,721 | 5.96 |
| | | CPU + Wait for CPU | 2,502 | 1.01 |
| | | enq: TX - row lock contention | 2,126 | 0.86 |
| 07:25:00 (5.0 min) | 17,656 | latch: ges resource hash list | 10,354 | 4.19 |
| | | CPU + Wait for CPU | 2,545 | 1.03 |
| | | enq: TX - row lock contention | 2,064 | 0.84 |
| 07:30:00 (5.0 min) | 23,559 | latch: ges resource hash list | 15,817 | 6.40 |
| | | CPU + Wait for CPU | 2,372 | 0.96 |
| | | enq: TX - row lock contention | 2,103 | 0.85 |
| 07:35:00 (5.0 min) | 19,493 | latch: ges resource hash list | 12,629 | 5.11 |
| | | CPU + Wait for CPU | 2,457 | 0.99 |
| | | enq: TX - row lock contention | 1,893 | 0.77 |
| 07:40:00 (5.0 min) | 20,771 | latch: ges resource hash list | 13,999 | 5.67 |
| | | CPU + Wait for CPU | 2,443 | 0.99 |
| | | enq: TX - row lock contention | 1,696 | 0.69 |
| 07:45:00 (5.0 min) | 18,792 | latch: ges resource hash list | 12,103 | 4.90 |
| | | CPU + Wait for CPU | 2,540 | 1.03 |
| | | enq: TX - row lock contention | 1,508 | 0.61 |
| 07:50:00 (5.0 min) | 19,223 | latch: ges resource hash list | 12,868 | 5.21 |
| | | CPU + Wait for CPU | 2,542 | 1.03 |
| | | enq: TX - row lock contention | 1,434 | 0.58 |
| 07:55:00 (5.0 min) | 18,477 | latch: ges resource hash list | 11,929 | 4.83 |
| | | CPU + Wait for CPU | 2,544 | 1.03 |
| | | enq: TX - row lock contention | 1,437 | 0.58 |
| 08:00:00 (26 secs) | 2,175 | latch: ges resource hash list | 1,407 | 0.57 |
| | | CPU + Wait for CPU | 222 | 0.09 |
| | | log file sync | 201 | 0.08 |

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# ADDM Task ADDM:2776914753_1_3966

```
          ADDM Report for Task 'ADDM:2776914753_1_3966'
          ---------------------------------------------

Analysis Period
---------------
AWR snapshot range from 3965 to 3966.
Time period starts at 21-OCT-21 07.00.22 AM
Time period ends at 21-OCT-21 07.15.23 AM

Analysis Target
---------------
Database 'OQ05EODB' with DB ID 2776914753.
```

```
Database version 19.0.0.0.0.
ADDM performed an analysis of instance oq05eodb01, numbered 1 and hosted at
drl02omsdb003.na.bestbuy.com.

Activity During the Analysis Period
-----------------------------------
Total database time was 702838 seconds.
The average number of active sessions was 780.06.

Summary of Findings
-------------------
   Description                 Active Sessions      Recommendations
                               Percent of Activity
   -------------------------  ------------------  --------------
1  Top SQL Statements          612.36 | 78.5        3
2  Unusual "Other" Wait Event  528.12 | 67.7        4
3  Row Lock Waits              67.66 | 8.67         3
4  Commits and Rollbacks       29.38 | 3.77         2
5  Shared Pool Latches         22.4 | 2.87          0


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          Findings and Recommendations
          ----------------------------

Finding 1: Top SQL Statements
Impact is 612.36 active sessions, 78.5% of total activity.
----------------------------------------------------------
SQL statements consuming significant database time were found. These
statements offer a good opportunity for performance improvement.

   Recommendation 1: SQL Tuning
   Estimated benefit is 544.15 active sessions, 69.76% of total activity.
   ----------------------------------------------------------------------
   Action
      Investigate the SELECT statement with SQL_ID "8pvr9fks6m1r9" for
      possible performance improvements. You can supplement the information
      given here with an ASH report for this SQL_ID.
      Related Object
         SQL statement with SQL_ID 8pvr9fks6m1r9.
         SELECT  /*YANTRA*/  TO_CHAR(sysdate,:"SYS_B_0")||
         TO_CHAR(SEQ_YFS_TABLE_KEY.NEXTVAL) from DUAL
   Rationale
      The SQL spent only 0% of its database time on CPU, I/O and Cluster
      waits. Therefore, the SQL Tuning Advisor is not applicable in this case.
      Look at performance data for the SQL to find potential improvements.
   Rationale
      Database time for this SQL was divided as follows: 100% for SQL
      execution, 0% for parsing, 0% for PL/SQL execution and 0% for Java
      execution.
   Rationale
      SQL statement with SQL_ID "8pvr9fks6m1r9" was executed 12068045 times
      and had an average elapsed time of 0.04 seconds.
   Rationale
      Waiting for event "latch: ges resource hash list" in wait class "Other"
      accounted for 95% of the database time spent in processing the SQL
      statement with SQL_ID "8pvr9fks6m1r9".
   Rationale
      Waiting for event "library cache: mutex X" in wait class "Concurrency"
      accounted for 3% of the database time spent in processing the SQL
      statement with SQL_ID "8pvr9fks6m1r9".

   Recommendation 2: SQL Tuning
   Estimated benefit is 41.43 active sessions, 5.31% of total activity.
   --------------------------------------------------------------------
   Action
      Investigate the SELECT statement with SQL_ID "ccfrfn4vuhtt0" for
      possible performance improvements. You can supplement the information
      given here with an ASH report for this SQL_ID.
      Related Object
         SQL statement with SQL_ID ccfrfn4vuhtt0.
         SELECT  /*YANTRA*/    YFS_ORDER_HEADER.* FROM YFS_ORDER_HEADER
         YFS_ORDER_HEADER     WHERE (YFS_ORDER_HEADER.ORDER_HEADER_KEY = :1 )
         FOR UPDATE
```

```
   Rationale
      The SQL spent only 2% of its database time on CPU, I/O and Cluster
      waits. Therefore, the SQL Tuning Advisor is not applicable in this case.
      Look at performance data for the SQL to find potential improvements.
   Rationale
      Database time for this SQL was divided as follows: 100% for SQL
      execution, 0% for parsing, 0% for PL/SQL execution and 0% for Java
      execution.
   Rationale
      SQL statement with SQL_ID "ccfrfn4vuhtt0" was executed 992952 times and
      had an average elapsed time of 0.037 seconds.
   Rationale
      Waiting for event "enq: TX - row lock contention" in wait class
      "Application" accounted for 97% of the database time spent in processing
      the SQL statement with SQL_ID "ccfrfn4vuhtt0".

   Recommendation 3: SQL Tuning
   Estimated benefit is 26.78 active sessions, 3.43% of total activity.
   ------------------------------------------------------------------
   Action
      Investigate the SELECT statement with SQL_ID "5953uw2xanr37" for
      possible performance improvements. You can supplement the information
      given here with an ASH report for this SQL_ID.
      Related Object
         SQL statement with SQL_ID 5953uw2xanr37.
         SELECT  /*YANTRA*/    YFS_RES_POOL_CAPCTY_CONSMPTN.* FROM
         YFS_RES_POOL_CAPCTY_CONSMPTN YFS_RES_POOL_CAPCTY_CONSMPTN     WHERE
         (YFS_RES_POOL_CAPCTY_CONSMPTN.RES_POOL_CAPCTY_CONSMPTN_KEY = :1 ) FOR
         UPDATE
   Rationale
      The SQL spent only 0% of its database time on CPU, I/O and Cluster
      waits. Therefore, the SQL Tuning Advisor is not applicable in this case.
      Look at performance data for the SQL to find potential improvements.
   Rationale
      Database time for this SQL was divided as follows: 100% for SQL
      execution, 0% for parsing, 0% for PL/SQL execution and 0% for Java
      execution.
   Rationale
      SQL statement with SQL_ID "5953uw2xanr37" was executed 1069 times and
      had an average elapsed time of 22 seconds.
   Rationale
      Waiting for event "enq: TX - row lock contention" in wait class
      "Application" accounted for 100% of the database time spent in
      processing the SQL statement with SQL_ID "5953uw2xanr37".


Finding 2: Unusual "Other" Wait Event
Impact is 528.12 active sessions, 67.7% of total activity.
-----------------------------------------------------------
Wait event "latch: ges resource hash list" in wait class "Other" was consuming
significant database time.

   Recommendation 1: Application Analysis
   Estimated benefit is 528.12 active sessions, 67.7% of total activity.
   ------------------------------------------------------------------
   Action
      Investigate the cause for high "latch: ges resource hash list" waits.
      Refer to Oracle's "Database Reference" for the description of this wait
      event.
   Action
      Look at the "Top SQL Statements" finding for SQL statements consuming
      significant time on the "latch: ges resource hash list" wait event. For
      example, the SELECT statement with SQL_ID "8pvr9fks6m1r9" is responsible
      for 98% of these waits.

   Recommendation 2: Application Analysis
   Estimated benefit is 464.8 active sessions, 59.58% of total activity.
   ------------------------------------------------------------------
   Action
      Investigate the cause for high "latch: ges resource hash list" waits in
      Service "q05eoagent01".

   Recommendation 3: Application Analysis
   Estimated benefit is 418.89 active sessions, 53.7% of total activity.
   ------------------------------------------------------------------
   Action
      Investigate the cause for high "latch: ges resource hash list" waits
```

```
      with P1,P2,P3 ("address, number, why") values "108367931896", "205" and
      "0" respectively.

   Recommendation 4: Application Analysis
   Estimated benefit is 107.8 active sessions, 13.82% of total activity.
   ------------------------------------------------------------------
   Action
      Investigate the cause for high "latch: ges resource hash list" waits
      with P1,P2,P3 ("address, number, why") values "108367931896", "205" and
      "107706760184" respectively.

   Symptoms That Led to the Finding:
   ---------------------------------
      Wait class "Other" was consuming significant database time.
      Impact is 532.66 active sessions, 68.28% of total activity.


Finding 3: Row Lock Waits
Impact is 67.66 active sessions, 8.67% of total activity.
-----------------------------------------------------
SQL statements were found waiting for row lock waits.

   Recommendation 1: Application Analysis
   Estimated benefit is 40.55 active sessions, 5.2% of total activity.
   ------------------------------------------------------------------
   Action
      Significant row contention was detected in the TABLE
      "YANTRA.YFS_ORDER_HEADER" with object ID 23717. Trace the cause of row
      contention in the application logic using the given blocked SQL.
      Related Object
         Database object with ID 23717.
   Rationale
      The SQL statement with SQL_ID "ccfrfn4vuhtt0" was blocked on row locks.
      Related Object
         SQL statement with SQL_ID ccfrfn4vuhtt0.
         SELECT  /*YANTRA*/    YFS_ORDER_HEADER.* FROM YFS_ORDER_HEADER
         YFS_ORDER_HEADER     WHERE (YFS_ORDER_HEADER.ORDER_HEADER_KEY = :1 )
         FOR UPDATE

   Recommendation 2: Application Analysis
   Estimated benefit is 26.95 active sessions, 3.45% of total activity.
   ------------------------------------------------------------------
   Action
      Significant row contention was detected in the TABLE
      "YANTRA.YFS_RES_POOL_CAPCTY_CONSMPTN" with object ID 23838. Trace the
      cause of row contention in the application logic using the given blocked
      SQL.
      Related Object
         Database object with ID 23838.
   Rationale
      The SQL statement with SQL_ID "5953uw2xanr37" was blocked on row locks.
      Related Object
         SQL statement with SQL_ID 5953uw2xanr37.
         SELECT  /*YANTRA*/    YFS_RES_POOL_CAPCTY_CONSMPTN.* FROM
         YFS_RES_POOL_CAPCTY_CONSMPTN YFS_RES_POOL_CAPCTY_CONSMPTN     WHERE
         (YFS_RES_POOL_CAPCTY_CONSMPTN.RES_POOL_CAPCTY_CONSMPTN_KEY = :1 ) FOR
         UPDATE

   Recommendation 3: Application Analysis
   Estimated benefit is .11 active sessions, .01% of total activity.
   ------------------------------------------------------------------
   Action
      Significant row contention was detected in the TABLE
      "YANTRA.EOMS_LOCATION_INVOICE" with object ID 24092. Trace the cause of
      row contention in the application logic using the given blocked SQL.
      Related Object
         Database object with ID 24092.

   Symptoms That Led to the Finding:
   ---------------------------------
      Wait class "Application" was consuming significant database time.
      Impact is 67.68 active sessions, 8.68% of total activity.


Finding 4: Commits and Rollbacks
Impact is 29.38 active sessions, 3.77% of total activity.
-----------------------------------------------------
```

```
Waits on event "log file sync" while performing COMMIT and ROLLBACK operations
were consuming significant database time.

   Recommendation 1: Application Analysis
   Estimated benefit is 29.38 active sessions, 3.77% of total activity.
   ---------------------------------------------------------------------
   Action
      Investigate application logic for possible reduction in the number of
      COMMIT operations by increasing the size of transactions.
   Rationale
      The application was performing 684002 transactions per minute with an
      average redo size of 4866 bytes per transaction.

   Recommendation 2: Host Configuration
   Estimated benefit is 29.38 active sessions, 3.77% of total activity.
   ---------------------------------------------------------------------
   Action
      Investigate the possibility of improving the performance of I/O to the
      online redo log files.
   Rationale
      The average size of writes to the online redo log files was 50 K and the
      average time per write was 2 milliseconds.
   Rationale
      The total I/O throughput on redo log files was 57 M per second for reads
      and 110 M per second for writes.
   Rationale
      The redo log I/O throughput was divided as follows: 0% by RMAN and
      recovery, 65% by Log Writer, 0% by Archiver, 0% by Streams AQ and 34% by
      all other activity.

   Symptoms That Led to the Finding:
   ---------------------------------
      Wait class "Commit" was consuming significant database time.
      Impact is 29.38 active sessions, 3.77% of total activity.


Finding 5: Shared Pool Latches
Impact is 22.4 active sessions, 2.87% of total activity.
-----------------------------------------------------
Contention for latches related to the shared pool was consuming significant
database time.
Waits for "library cache: mutex X" amounted to 2% of database time.

   No recommendations are available.

   Symptoms That Led to the Finding:
   ---------------------------------
      Wait class "Concurrency" was consuming significant database time.
      Impact is 33.94 active sessions, 4.35% of total activity.



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          Additional Information
          ----------------------

Miscellaneous Information
-------------------------
Wait class "Cluster" was not consuming significant database time.
Wait class "Configuration" was not consuming significant database time.
CPU was not a bottleneck for the instance.
Wait class "Network" was not consuming significant database time.
Wait class "User I/O" was not consuming significant database time.
The network latency of the cluster interconnect was within acceptable limits
of 1 milliseconds.
Session connect and disconnect calls were not consuming significant database
time.
Hard parsing of SQL statements was not consuming significant database time.
```

## ADDM Task ADDM:2776914753_1_3968

```
          ADDM Report for Task 'ADDM:2776914753_1_3968'
          ---------------------------------------------
```

```
Analysis Period
---------------
AWR snapshot range from 3967 to 3968.
Time period starts at 21-OCT-21 07.30.04 AM
Time period ends at 21-OCT-21 07.45.18 AM

Analysis Target
---------------
Database 'OQ05EODB' with DB ID 2776914753.
Database version 19.0.0.0.0.
ADDM performed an analysis of instance oq05eodb01, numbered 1 and hosted at
drl02omsdb003.na.bestbuy.com.

Activity During the Analysis Period
-----------------------------------
Total database time was 685197 seconds.
The average number of active sessions was 749.67.

Summary of Findings
-------------------
   Description                 Active Sessions      Recommendations
                               Percent of Activity
   -------------------------  ------------------  ---------------
1  Top SQL Statements          601.12 | 80.18       3
2  Unusual "Other" Wait Event  506.52 | 67.57       4
3  Row Lock Waits              67.89 | 9.06         2
4  Commits and Rollbacks       26.52 | 3.54         2
5  Shared Pool Latches         20.42 | 2.72         0


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          Findings and Recommendations
          ----------------------------

Finding 1: Top SQL Statements
Impact is 601.78 active sessions, 80.18% of total activity.
-----------------------------------------------------------
SQL statements consuming significant database time were found. These
statements offer a good opportunity for performance improvement.

   Recommendation 1: SQL Tuning
   Estimated benefit is 532.15 active sessions, 70.98% of total activity.
   ----------------------------------------------------------------------
   Action
      Investigate the SELECT statement with SQL_ID "8pvr9fks6m1r9" for
      possible performance improvements. You can supplement the information
      given here with an ASH report for this SQL_ID.
      Related Object
         SQL statement with SQL_ID 8pvr9fks6m1r9.
         SELECT  /*YANTRA*/  TO_CHAR(sysdate,:"SYS_B_0")||
         TO_CHAR(SEQ_YFS_TABLE_KEY.NEXTVAL) from DUAL
   Rationale
      The SQL spent only 0% of its database time on CPU, I/O and Cluster
      waits. Therefore, the SQL Tuning Advisor is not applicable in this case.
      Look at performance data for the SQL to find potential improvements.
   Rationale
      Database time for this SQL was divided as follows: 100% for SQL
      execution, 0% for parsing, 0% for PL/SQL execution and 0% for Java
      execution.
   Rationale
      SQL statement with SQL_ID "8pvr9fks6m1r9" was executed 12045457 times
      and had an average elapsed time of 0.039 seconds.
   Rationale
      Waiting for event "latch: ges resource hash list" in wait class "Other"
      accounted for 94% of the database time spent in processing the SQL
      statement with SQL_ID "8pvr9fks6m1r9".
   Rationale
      Waiting for event "library cache: mutex X" in wait class "Concurrency"
      accounted for 3% of the database time spent in processing the SQL
      statement with SQL_ID "8pvr9fks6m1r9".

   Recommendation 2: SQL Tuning
   Estimated benefit is 38.75 active sessions, 5.17% of total activity.
```

```
   -------------------------------------------------------------
   Action
      Investigate the SELECT statement with SQL_ID "ccfrfn4vuhtt0" for
      possible performance improvements. You can supplement the information
      given here with an ASH report for this SQL_ID.
      Related Object
         SQL statement with SQL_ID ccfrfn4vuhtt0.
         SELECT  /*YANTRA*/    YFS_ORDER_HEADER.* FROM YFS_ORDER_HEADER
         YFS_ORDER_HEADER     WHERE (YFS_ORDER_HEADER.ORDER_HEADER_KEY = :1 )
         FOR UPDATE
   Rationale
      The SQL spent only 2% of its database time on CPU, I/O and Cluster
      waits. Therefore, the SQL Tuning Advisor is not applicable in this case.
      Look at performance data for the SQL to find potential improvements.
   Rationale
      Database time for this SQL was divided as follows: 100% for SQL
      execution, 0% for parsing, 0% for PL/SQL execution and 0% for Java
      execution.
   Rationale
      SQL statement with SQL_ID "ccfrfn4vuhtt0" was executed 994716 times and
      had an average elapsed time of 0.034 seconds.
   Rationale
      Waiting for event "enq: TX - row lock contention" in wait class
      "Application" accounted for 96% of the database time spent in processing
      the SQL statement with SQL_ID "ccfrfn4vuhtt0".

   Recommendation 3: SQL Tuning
   Estimated benefit is 30.22 active sessions, 4.03% of total activity.
   -------------------------------------------------------------
   Action
      Investigate the SELECT statement with SQL_ID "5953uw2xanr37" for
      possible performance improvements. You can supplement the information
      given here with an ASH report for this SQL_ID.
      Related Object
         SQL statement with SQL_ID 5953uw2xanr37.
         SELECT  /*YANTRA*/    YFS_RES_POOL_CAPCTY_CONSMPTN.* FROM
         YFS_RES_POOL_CAPCTY_CONSMPTN YFS_RES_POOL_CAPCTY_CONSMPTN     WHERE
         (YFS_RES_POOL_CAPCTY_CONSMPTN.RES_POOL_CAPCTY_CONSMPTN_KEY = :1 ) FOR
         UPDATE
   Rationale
      The SQL spent only 0% of its database time on CPU, I/O and Cluster
      waits. Therefore, the SQL Tuning Advisor is not applicable in this case.
      Look at performance data for the SQL to find potential improvements.
   Rationale
      Database time for this SQL was divided as follows: 100% for SQL
      execution, 0% for parsing, 0% for PL/SQL execution and 0% for Java
      execution.
   Rationale
      SQL statement with SQL_ID "5953uw2xanr37" was executed 1012 times and
      had an average elapsed time of 27 seconds.
   Rationale
      Waiting for event "enq: TX - row lock contention" in wait class
      "Application" accounted for 100% of the database time spent in
      processing the SQL statement with SQL_ID "5953uw2xanr37".


Finding 2: Unusual "Other" Wait Event
Impact is 507.08 active sessions, 67.57% of total activity.
-----------------------------------------------------------
Wait event "latch: ges resource hash list" in wait class "Other" was consuming
significant database time.

   Recommendation 1: Application Analysis
   Estimated benefit is 506.52 active sessions, 67.57% of total activity.
   -------------------------------------------------------------------
   Action
      Investigate the cause for high "latch: ges resource hash list" waits.
      Refer to Oracle's "Database Reference" for the description of this wait
      event.
   Action
      Look at the "Top SQL Statements" finding for SQL statements consuming
      significant time on the "latch: ges resource hash list" wait event. For
      example, the SELECT statement with SQL_ID "8pvr9fks6m1r9" is responsible
      for 99% of these waits.

   Recommendation 2: Application Analysis
   Estimated benefit is 445.32 active sessions, 59.4% of total activity.
```

```
   ---------------------------------------------------------------------
   Action
      Investigate the cause for high "latch: ges resource hash list" waits in
      Service "q05eoagent01".

   Recommendation 3: Application Analysis
   Estimated benefit is 401.19 active sessions, 53.52% of total activity.
   ---------------------------------------------------------------------
   Action
      Investigate the cause for high "latch: ges resource hash list" waits
      with P1,P2,P3 ("address, number, why") values "108367931896", "205" and
      "0" respectively.

   Recommendation 4: Application Analysis
   Estimated benefit is 105.26 active sessions, 14.04% of total activity.
   ---------------------------------------------------------------------
   Action
      Investigate the cause for high "latch: ges resource hash list" waits
      with P1,P2,P3 ("address, number, why") values "108367931896", "205" and
      "107706760184" respectively.

   Symptoms That Led to the Finding:
   ---------------------------------
      Wait class "Other" was consuming significant database time.
      Impact is 509.18 active sessions, 67.92% of total activity.


Finding 3: Row Lock Waits
Impact is 67.97 active sessions, 9.06% of total activity.
-----------------------------------------------------------
SQL statements were found waiting for row lock waits.

   Recommendation 1: Application Analysis
   Estimated benefit is 37.62 active sessions, 5.02% of total activity.
   ---------------------------------------------------------------------
   Action
      Significant row contention was detected in the TABLE
      "YANTRA.YFS_ORDER_HEADER" with object ID 23717. Trace the cause of row
      contention in the application logic using the given blocked SQL.
      Related Object
         Database object with ID 23717.
   Rationale
      The SQL statement with SQL_ID "ccfrfn4vuhtt0" was blocked on row locks.
      Related Object
         SQL statement with SQL_ID ccfrfn4vuhtt0.
         SELECT  /*YANTRA*/    YFS_ORDER_HEADER.* FROM YFS_ORDER_HEADER
         YFS_ORDER_HEADER     WHERE (YFS_ORDER_HEADER.ORDER_HEADER_KEY = :1 )
         FOR UPDATE

   Recommendation 2: Application Analysis
   Estimated benefit is 30.25 active sessions, 4.04% of total activity.
   ---------------------------------------------------------------------
   Action
      Significant row contention was detected in the TABLE
      "YANTRA.YFS_RES_POOL_CAPCTY_CONSMPTN" with object ID 23838. Trace the
      cause of row contention in the application logic using the given blocked
      SQL.
      Related Object
         Database object with ID 23838.
   Rationale
      The SQL statement with SQL_ID "5953uw2xanr37" was blocked on row locks.
      Related Object
         SQL statement with SQL_ID 5953uw2xanr37.
         SELECT  /*YANTRA*/    YFS_RES_POOL_CAPCTY_CONSMPTN.* FROM
         YFS_RES_POOL_CAPCTY_CONSMPTN YFS_RES_POOL_CAPCTY_CONSMPTN     WHERE
         (YFS_RES_POOL_CAPCTY_CONSMPTN.RES_POOL_CAPCTY_CONSMPTN_KEY = :1 ) FOR
         UPDATE

   Symptoms That Led to the Finding:
   ---------------------------------
      Wait class "Application" was consuming significant database time.
      Impact is 67.91 active sessions, 9.06% of total activity.


Finding 4: Commits and Rollbacks
Impact is 26.55 active sessions, 3.54% of total activity.
-----------------------------------------------------------
```

```
Waits on event "log file sync" while performing COMMIT and ROLLBACK operations
were consuming significant database time.

   Recommendation 1: Application Analysis
   Estimated benefit is 26.52 active sessions, 3.54% of total activity.
   ---------------------------------------------------------------------
   Action
      Investigate application logic for possible reduction in the number of
      COMMIT operations by increasing the size of transactions.
   Rationale
      The application was performing 641104 transactions per minute with an
      average redo size of 5148 bytes per transaction.

   Recommendation 2: Host Configuration
   Estimated benefit is 26.52 active sessions, 3.54% of total activity.
   ---------------------------------------------------------------------
   Action
      Investigate the possibility of improving the performance of I/O to the
      online redo log files.
   Rationale
      The average size of writes to the online redo log files was 47 K and the
      average time per write was 1 milliseconds.
   Rationale
      The total I/O throughput on redo log files was 54 M per second for reads
      and 108 M per second for writes.
   Rationale
      The redo log I/O throughput was divided as follows: 0% by RMAN and
      recovery, 66% by Log Writer, 0% by Archiver, 0% by Streams AQ and 33% by
      all other activity.

   Symptoms That Led to the Finding:
   ---------------------------------
      Wait class "Commit" was consuming significant database time.
      Impact is 26.52 active sessions, 3.54% of total activity.


Finding 5: Shared Pool Latches
Impact is 20.44 active sessions, 2.72% of total activity.
---------------------------------------------------------
Contention for latches related to the shared pool was consuming significant
database time.
Waits for "library cache: mutex X" amounted to 2% of database time.

   No recommendations are available.

   Symptoms That Led to the Finding:
   ---------------------------------
      Wait class "Concurrency" was consuming significant database time.
      Impact is 26.63 active sessions, 3.55% of total activity.



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          Additional Information
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Miscellaneous Information
-------------------------
Wait class "Cluster" was not consuming significant database time.
Wait class "Configuration" was not consuming significant database time.
CPU was not a bottleneck for the instance.
Wait class "Network" was not consuming significant database time.
Wait class "User I/O" was not consuming significant database time.
The network latency of the cluster interconnect was within acceptable limits
of 1 milliseconds.
Session connect and disconnect calls were not consuming significant database
time.
Hard parsing of SQL statements was not consuming significant database time.
```

## ADDM Task ADDM:2776914753_1_3967

```
          ADDM Report for Task 'ADDM:2776914753_1_3967'
          ---------------------------------------------
```

```
Analysis Period
---------------
AWR snapshot range from 3966 to 3967.
Time period starts at 21-OCT-21 07.15.23 AM
Time period ends at 21-OCT-21 07.30.04 AM

Analysis Target
---------------
Database 'OQ05EODB' with DB ID 2776914753.
Database version 19.0.0.0.0.
ADDM performed an analysis of instance oq05eodb01, numbered 1 and hosted at
drl02omsdb003.na.bestbuy.com.

Activity During the Analysis Period
-----------------------------------
Total database time was 626239 seconds.
The average number of active sessions was 710.83.

Summary of Findings
-------------------
   Description                 Active Sessions      Recommendations
                               Percent of Activity
   -------------------------  ------------------  ---------------
1  Top SQL Statements          563.88 | 79.33       3
2  Unusual "Other" Wait Event  460.58 | 64.79       4
3  Row Lock Waits              74.26 | 10.45        3
4  Commits and Rollbacks       27.05 | 3.81         2
5  Shared Pool Latches         21.64 | 3.04         0


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          Findings and Recommendations
          ----------------------------

Finding 1: Top SQL Statements
Impact is 563.88 active sessions, 79.33% of total activity.
-----------------------------------------------------------
SQL statements consuming significant database time were found. These
statements offer a good opportunity for performance improvement.

   Recommendation 1: SQL Tuning
   Estimated benefit is 487.07 active sessions, 68.52% of total activity.
   ------------------------------------------------------------------------
   Action
      Investigate the SELECT statement with SQL_ID "8pvr9fks6m1r9" for
      possible performance improvements. You can supplement the information
      given here with an ASH report for this SQL_ID.
      Related Object
         SQL statement with SQL_ID 8pvr9fks6m1r9.
         SELECT  /*YANTRA*/  TO_CHAR(sysdate,:"SYS_B_0")||
         TO_CHAR(SEQ_YFS_TABLE_KEY.NEXTVAL) from DUAL
   Rationale
      The SQL spent only 0% of its database time on CPU, I/O and Cluster
      waits. Therefore, the SQL Tuning Advisor is not applicable in this case.
      Look at performance data for the SQL to find potential improvements.
   Rationale
      Database time for this SQL was divided as follows: 100% for SQL
      execution, 0% for parsing, 0% for PL/SQL execution and 0% for Java
      execution.
   Rationale
      SQL statement with SQL_ID "8pvr9fks6m1r9" was executed 11574092 times
      and had an average elapsed time of 0.036 seconds.
   Rationale
      Waiting for event "latch: ges resource hash list" in wait class "Other"
      accounted for 95% of the database time spent in processing the SQL
      statement with SQL_ID "8pvr9fks6m1r9".
   Rationale
      Waiting for event "library cache: mutex X" in wait class "Concurrency"
      accounted for 4% of the database time spent in processing the SQL
      statement with SQL_ID "8pvr9fks6m1r9".

   Recommendation 2: SQL Tuning
   Estimated benefit is 45.76 active sessions, 6.44% of total activity.
```

```
   -------------------------------------------------------------
   Action
      Investigate the SELECT statement with SQL_ID "ccfrfn4vuhtt0" for
      possible performance improvements. You can supplement the information
      given here with an ASH report for this SQL_ID.
      Related Object
         SQL statement with SQL_ID ccfrfn4vuhtt0.
         SELECT  /*YANTRA*/    YFS_ORDER_HEADER.* FROM YFS_ORDER_HEADER
         YFS_ORDER_HEADER     WHERE (YFS_ORDER_HEADER.ORDER_HEADER_KEY = :1 )
         FOR UPDATE
   Rationale
      The SQL spent only 2% of its database time on CPU, I/O and Cluster
      waits. Therefore, the SQL Tuning Advisor is not applicable in this case.
      Look at performance data for the SQL to find potential improvements.
   Rationale
      Database time for this SQL was divided as follows: 100% for SQL
      execution, 0% for parsing, 0% for PL/SQL execution and 0% for Java
      execution.
   Rationale
      SQL statement with SQL_ID "ccfrfn4vuhtt0" was executed 910949 times and
      had an average elapsed time of 0.042 seconds.
   Rationale
      Waiting for event "enq: TX - row lock contention" in wait class
      "Application" accounted for 97% of the database time spent in processing
      the SQL statement with SQL_ID "ccfrfn4vuhtt0".

   Recommendation 3: SQL Tuning
   Estimated benefit is 31.05 active sessions, 4.37% of total activity.
   -------------------------------------------------------------
   Action
      Investigate the SELECT statement with SQL_ID "5953uw2xanr37" for
      possible performance improvements. You can supplement the information
      given here with an ASH report for this SQL_ID.
      Related Object
         SQL statement with SQL_ID 5953uw2xanr37.
         SELECT  /*YANTRA*/    YFS_RES_POOL_CAPCTY_CONSMPTN.* FROM
         YFS_RES_POOL_CAPCTY_CONSMPTN YFS_RES_POOL_CAPCTY_CONSMPTN     WHERE
         (YFS_RES_POOL_CAPCTY_CONSMPTN.RES_POOL_CAPCTY_CONSMPTN_KEY = :1 ) FOR
         UPDATE
   Rationale
      The SQL spent only 0% of its database time on CPU, I/O and Cluster
      waits. Therefore, the SQL Tuning Advisor is not applicable in this case.
      Look at performance data for the SQL to find potential improvements.
   Rationale
      Database time for this SQL was divided as follows: 100% for SQL
      execution, 0% for parsing, 0% for PL/SQL execution and 0% for Java
      execution.
   Rationale
      SQL statement with SQL_ID "5953uw2xanr37" was executed 951 times and had
      an average elapsed time of 27 seconds.
   Rationale
      Waiting for event "enq: TX - row lock contention" in wait class
      "Application" accounted for 99% of the database time spent in processing
      the SQL statement with SQL_ID "5953uw2xanr37".


Finding 2: Unusual "Other" Wait Event
Impact is 460.58 active sessions, 64.79% of total activity.
-----------------------------------------------------------
Wait event "latch: ges resource hash list" in wait class "Other" was consuming
significant database time.

   Recommendation 1: Application Analysis
   Estimated benefit is 460.58 active sessions, 64.79% of total activity.
   -------------------------------------------------------------------
   Action
      Investigate the cause for high "latch: ges resource hash list" waits.
      Refer to Oracle's "Database Reference" for the description of this wait
      event.
   Action
      Look at the "Top SQL Statements" finding for SQL statements consuming
      significant time on the "latch: ges resource hash list" wait event. For
      example, the SELECT statement with SQL_ID "8pvr9fks6m1r9" is responsible
      for 100% of these waits.

   Recommendation 2: Application Analysis
   Estimated benefit is 403.75 active sessions, 56.8% of total activity.
```

```
   ---------------------------------------------------------------------
   Action
      Investigate the cause for high "latch: ges resource hash list" waits in
      Service "q05eoagent01".

   Recommendation 3: Application Analysis
   Estimated benefit is 366.9 active sessions, 51.62% of total activity.
   ---------------------------------------------------------------------
   Action
      Investigate the cause for high "latch: ges resource hash list" waits
      with P1,P2,P3 ("address, number, why") values "108367931896", "205" and
      "0" respectively.

   Recommendation 4: Application Analysis
   Estimated benefit is 93.65 active sessions, 13.17% of total activity.
   ---------------------------------------------------------------------
   Action
      Investigate the cause for high "latch: ges resource hash list" waits
      with P1,P2,P3 ("address, number, why") values "108367931896", "205" and
      "107706760184" respectively.

   Symptoms That Led to the Finding:
   ---------------------------------
      Wait class "Other" was consuming significant database time.
      Impact is 463.43 active sessions, 65.2% of total activity.


Finding 3: Row Lock Waits
Impact is 74.26 active sessions, 10.45% of total activity.
-----------------------------------------------------------
SQL statements were found waiting for row lock waits.

   Recommendation 1: Application Analysis
   Estimated benefit is 43.76 active sessions, 6.16% of total activity.
   ---------------------------------------------------------------------
   Action
      Significant row contention was detected in the TABLE
      "YANTRA.YFS_ORDER_HEADER" with object ID 23717. Trace the cause of row
      contention in the application logic using the given blocked SQL.
      Related Object
         Database object with ID 23717.
   Rationale
      The SQL statement with SQL_ID "ccfrfn4vuhtt0" was blocked on row locks.
      Related Object
         SQL statement with SQL_ID ccfrfn4vuhtt0.
         SELECT  /*YANTRA*/    YFS_ORDER_HEADER.* FROM YFS_ORDER_HEADER
         YFS_ORDER_HEADER     WHERE (YFS_ORDER_HEADER.ORDER_HEADER_KEY = :1 )
         FOR UPDATE

   Recommendation 2: Application Analysis
   Estimated benefit is 30.4 active sessions, 4.28% of total activity.
   ---------------------------------------------------------------------
   Action
      Significant row contention was detected in the TABLE
      "YANTRA.YFS_RES_POOL_CAPCTY_CONSMPTN" with object ID 23838. Trace the
      cause of row contention in the application logic using the given blocked
      SQL.
      Related Object
         Database object with ID 23838.
   Rationale
      The SQL statement with SQL_ID "5953uw2xanr37" was blocked on row locks.
      Related Object
         SQL statement with SQL_ID 5953uw2xanr37.
         SELECT  /*YANTRA*/    YFS_RES_POOL_CAPCTY_CONSMPTN.* FROM
         YFS_RES_POOL_CAPCTY_CONSMPTN YFS_RES_POOL_CAPCTY_CONSMPTN     WHERE
         (YFS_RES_POOL_CAPCTY_CONSMPTN.RES_POOL_CAPCTY_CONSMPTN_KEY = :1 ) FOR
         UPDATE

   Recommendation 3: Application Analysis
   Estimated benefit is .1 active sessions, .01% of total activity.
   ---------------------------------------------------------------------
   Action
      Significant row contention was detected in the TABLE
      "YANTRA.YFS_SHIPMENT" with object ID 23870. Trace the cause of row
      contention in the application logic using the given blocked SQL.
      Related Object
         Database object with ID 23870.
```

```
   Symptoms That Led to the Finding:
   ---------------------------------
      Wait class "Application" was consuming significant database time.
      Impact is 74.28 active sessions, 10.45% of total activity.


Finding 4: Commits and Rollbacks
Impact is 27.05 active sessions, 3.81% of total activity.
-----------------------------------------------------------
Waits on event "log file sync" while performing COMMIT and ROLLBACK operations
were consuming significant database time.

   Recommendation 1: Application Analysis
   Estimated benefit is 27.05 active sessions, 3.81% of total activity.
   ---------------------------------------------------------------------
   Action
      Investigate application logic for possible reduction in the number of
      COMMIT operations by increasing the size of transactions.
   Rationale
      The application was performing 650310 transactions per minute with an
      average redo size of 5132 bytes per transaction.

   Recommendation 2: Host Configuration
   Estimated benefit is 27.05 active sessions, 3.81% of total activity.
   ---------------------------------------------------------------------
   Action
      Investigate the possibility of improving the performance of I/O to the
      online redo log files.
   Rationale
      The average size of writes to the online redo log files was 50 K and the
      average time per write was 2 milliseconds.
   Rationale
      The total I/O throughput on redo log files was 54 M per second for reads
      and 114 M per second for writes.
   Rationale
      The redo log I/O throughput was divided as follows: 0% by RMAN and
      recovery, 67% by Log Writer, 0% by Archiver, 0% by Streams AQ and 32% by
      all other activity.

   Symptoms That Led to the Finding:
   ---------------------------------
      Wait class "Commit" was consuming significant database time.
      Impact is 27.05 active sessions, 3.81% of total activity.


Finding 5: Shared Pool Latches
Impact is 21.64 active sessions, 3.04% of total activity.
-----------------------------------------------------------
Contention for latches related to the shared pool was consuming significant
database time.
Waits for "library cache: mutex X" amounted to 2% of database time.

   No recommendations are available.

   Symptoms That Led to the Finding:
   ---------------------------------
      Wait class "Concurrency" was consuming significant database time.
      Impact is 27.06 active sessions, 3.81% of total activity.



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          Additional Information
          ----------------------

Miscellaneous Information
-------------------------
Wait class "Cluster" was not consuming significant database time.
Wait class "Configuration" was not consuming significant database time.
CPU was not a bottleneck for the instance.
Wait class "Network" was not consuming significant database time.
Wait class "User I/O" was not consuming significant database time.
The network latency of the cluster interconnect was within acceptable limits
of 1 milliseconds.
```

**Session connect and disconnect calls were not consuming significant database time.**
**Hard parsing of SQL statements was not consuming significant database time.**

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# RAC Statistics

| | Begin | End | |
|---|---|---|---|
| Number of Instances: | 2 | 2 | |
| Number of LMS's: | 18 | 18 | |
| Number of realtime LMS's: | 0 | 0 | (0 priority changes) |

### Global Cache Load Profile

| | Per Second | Per Transaction |
|---|---|---|
| Global Cache blocks received: | 330.26 | 0.03 |
| Global Cache blocks served: | 7.46 | 0.00 |
| GCS/GES messages received: | 1,786.94 | 0.16 |
| GCS/GES messages sent: | 4,540.76 | 0.42 |
| DBWR Fusion writes: | 0.59 | 0.00 |
| Estd Interconnect traffic (KB) | 6,639.35 | |

### Global Cache Efficiency Percentages (Target local+remote 100%)

| | |
|---|---|
| Buffer access - local cache %: | 99.86 |
| Buffer access - remote cache %: | 0.01 |
| Buffer access - disk %: | 0.13 |
| Global Cache Locality %: | 84.90 |

### Global Cache and Enqueue Services - Workload Characteristics

| | |
|---|---|
| Avg global cache cr block receive time (us): | 1,822.0 |
| Avg global cache current block receive time (us): | 1,277.0 |
| Avg LMS process busy %: | 1.2 |
| Avg global cache cr block build time (us): | 22.9 |
| Global cache log flushes for cr blocks served %: | 6.3 |
| Avg global cache cr block flush time (us): | 9,501.4 |
| Avg global cache current block pin time (us): | 238,333.3 |
| Global cache log flushes for current blocks served %: | 0.2 |
| Avg global cache current block flush time (us): | 10,714.3 |
| Avg global enqueue get time (us): | 0.0 |

### Global Cache and Enqueue Services - Messaging Statistics

| | |
|---|---|
| Avg message sent queue time (us): | 4,959.8 |
| Avg message sent queue time on ksxp (us): | 1,571.3 |
| Avg message received kernel queue time (us): | 16.0 |
| Avg message received queue time (us): | 26.5 |
| Avg GCS message process time (us): | 36.7 |
| Avg GES message process time (us): | 624.1 |
| % of direct sent messages: | 21.97 |
| % of indirect sent messages: | 77.35 |
| % of flow controlled messages: | 0.68 |

---

### Cluster Interconnect

- if Public/Source at End snap is different a '*' is displayed

| | Begin | | | End | |
|---|---|---|---|---|---|
| Interface | IP Address | Pub | Source | Pub | Src |
| intcon0:1 | 169.254.11.5 | N | | | |
| intcon1:1 | 169.254.31.43 | N | | | |

# RAC Statistics

- Dynamic Remastering Statistics

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# Global Messaging Statistics

| Statistic | Total | per Second | per Trans |
|---|---|---|---|
| Cluster reconfiguration count | 0 | 0.00 | 0.00 |
| Domain reconfiguration count | 0 | 0.00 | 0.00 |
| Global Enqueue S-optim Broadcasts sent | 69,190 | 19.20 | 0.00 |
| Global Enqueue S-optim S-lock gets | 157,918,517 | 43,812.39 | 4.04 |
| Global Enqueue S-optim anti-locks crea | 16,409 | 4.55 | 0.00 |
| KA local message waits | 0 | 0.00 | 0.00 |
| KA local messages received | 0 | 0.00 | 0.00 |
| KA messages received actual | 0 | 0.00 | 0.00 |
| KA messages received logical | 0 | 0.00 | 0.00 |
| KA requests failed | 0 | 0.00 | 0.00 |
| KA requests succeeded | 0 | 0.00 | 0.00 |
| Pseudo reconfiguration count | 0 | 0.00 | 0.00 |
| Pseudo rm reconfig count | 0 | 0.00 | 0.00 |
| acks for commit broadcast(actual) | 72 | 0.02 | 0.00 |
| acks for commit broadcast(logical) | 313 | 0.09 | 0.00 |
| broadcast msgs on commit(actual) | 941,920 | 261.32 | 0.02 |
| broadcast msgs on commit(logical) | 1,339,351 | 371.59 | 0.03 |
| broadcast msgs on commit(wasted) | 431,677 | 119.76 | 0.01 |
| dynamically allocated gcs resources | 0 | 0.00 | 0.00 |
| dynamically allocated gcs shadows | 0 | 0.00 | 0.00 |
| flow control messages received | 10 | 0.00 | 0.00 |
| flow control messages sent | 10 | 0.00 | 0.00 |
| gcs assume cvt | 0 | 0.00 | 0.00 |
| gcs assume no cvt | 8,762 | 2.43 | 0.00 |
| gcs ast to fg | 751 | 0.21 | 0.00 |
| gcs ast xid | 0 | 0.00 | 0.00 |
| gcs bidless ast to lms | 0 | 0.00 | 0.00 |
| gcs blocked converts | 947,078 | 262.75 | 0.02 |
| gcs blocked cr converts | 7,733 | 2.15 | 0.00 |
| gcs compatible basts | 94 | 0.03 | 0.00 |
| gcs compatible cr basts (global) | 1,326 | 0.37 | 0.00 |
| gcs compatible cr basts (local) | 2,369 | 0.66 | 0.00 |
| gcs cr basts to PIs | 0 | 0.00 | 0.00 |
| gcs cr requests to slave | 2 | 0.00 | 0.00 |
| gcs cr serve without current lock | 0 | 0.00 | 0.00 |
| gcs dbwr flush pi msgs | 4,052,950 | 1,124.44 | 0.10 |
| gcs dbwr write request msgs | 2,125 | 0.59 | 0.00 |
| gcs error msgs | 0 | 0.00 | 0.00 |
| gcs flash read serve requests to slave | 0 | 0.00 | 0.00 |
| gcs force cr block only | 3,648 | 1.01 | 0.00 |
| gcs force cr grant | 0 | 0.00 | 0.00 |
| gcs force cr no current | 0 | 0.00 | 0.00 |
| gcs forward cr to pinged instance | 0 | 0.00 | 0.00 |
| gcs grant ast | 28,567 | 7.93 | 0.00 |
| gcs grant request in partial open | 0 | 0.00 | 0.00 |
| gcs immediate (compatible) converts | 227,617 | 63.15 | 0.01 |
| gcs immediate (null) converts | 810,410 | 224.84 | 0.02 |
| gcs immediate cr (compatible) converts | 25 | 0.01 | 0.00 |
| gcs immediate cr (null) converts | 735,138 | 203.95 | 0.02 |
| gcs lms flush pi msgs | 0 | 0.00 | 0.00 |
| gcs lms write request msgs | 618 | 0.17 | 0.00 |
| gcs msgs process time(ms) | 145,115 | 40.26 | 0.00 |
| gcs msgs received | 3,951,130 | 1,096.19 | 0.10 |
| gcs new served by master | 251,715 | 69.83 | 0.01 |
| gcs out-of-order msgs | 5 | 0.00 | 0.00 |
| gcs pings refused | 6,880 | 1.91 | 0.00 |
| gcs pkey conflicts retry | 0 | 0.00 | 0.00 |
| gcs queued converts | 3 | 0.00 | 0.00 |
| gcs read-mostly failure unmount db | 0 | 0.00 | 0.00 |
| gcs reader bypass N->Xw ping local | 0 | 0.00 | 0.00 |
| gcs reader bypass N->Xw ping remote | 0 | 0.00 | 0.00 |
| gcs reader bypass grant X on assume | 0 | 0.00 | 0.00 |

| | | | |
|---|---|---|---|
| gcs reader bypass grant ast | 0 | 0.00 | 0.00 |
| gcs reader bypass grant fg ast | 0 | 0.00 | 0.00 |
| gcs reader bypass grant immediate | 400 | 0.11 | 0.00 |
| gcs recovery claim msgs | 0 | 0.00 | 0.00 |
| gcs refuse xid | 2 | 0.00 | 0.00 |
| gcs refuse xid to fg | 2 | 0.00 | 0.00 |
| gcs refuse xid to lms | 0 | 0.00 | 0.00 |
| gcs refuse xid to master | 0 | 0.00 | 0.00 |
| gcs regular cr | 0 | 0.00 | 0.00 |
| gcs resources for dynamic sga | 0 | 0.00 | 0.00 |
| gcs retry convert request | 0 | 0.00 | 0.00 |
| gcs shadows for dynamic sga | 0 | 0.00 | 0.00 |
| gcs share recovery bast | 0 | 0.00 | 0.00 |
| gcs side channel msgs actual | 224,490 | 62.28 | 0.01 |
| gcs side channel msgs logical | 3,338,922 | 926.34 | 0.09 |
| gcs stale cr | 143 | 0.04 | 0.00 |
| gcs undo cr | 0 | 0.00 | 0.00 |
| gcs write notification msgs | 8 | 0.00 | 0.00 |
| gcs writes refused | 0 | 0.00 | 0.00 |
| ges msgs process time(ms) | 214,040 | 59.38 | 0.01 |
| ges msgs received | 342,958 | 95.15 | 0.01 |
| ges remote lock allocation | 51 | 0.01 | 0.00 |
| global posts dropped | 0 | 0.00 | 0.00 |
| global posts queue time | 0 | 0.00 | 0.00 |
| global posts queued | 0 | 0.00 | 0.00 |
| global posts requested | 0 | 0.00 | 0.00 |
| global posts sent | 0 | 0.00 | 0.00 |
| implicit batch messages received | 29,562 | 8.20 | 0.00 |
| implicit batch messages sent | 2,047,189 | 567.97 | 0.05 |
| lmd msg send time(ms) | 0 | 0.00 | 0.00 |
| lms(s) msg send time(ms) | 0 | 0.00 | 0.00 |
| messages flow controlled | 103,388 | 28.68 | 0.00 |
| messages queue sent actual | 5,582,825 | 1,548.88 | 0.14 |
| messages queue sent logical | 8,320,781 | 2,308.49 | 0.21 |
| messages received actual | 3,885,298 | 1,077.92 | 0.10 |
| messages received logical | 4,294,088 | 1,191.34 | 0.11 |
| messages sent directly | 3,361,612 | 932.63 | 0.09 |
| messages sent indirectly | 11,835,778 | 3,283.68 | 0.30 |
| messages sent not implicit batched | 830,233 | 230.34 | 0.02 |
| messages sent pbatched | 6,379,645 | 1,769.95 | 0.16 |
| msgs causing lmd to send msgs | 0 | 0.00 | 0.00 |
| msgs causing lms(s) to send msgs | 0 | 0.00 | 0.00 |
| msgs received kernel queue time (ns) | 68,699,963,442 | 19,059,890.10 | 1,758.03 |
| msgs received queue time (ms) | 113,995 | 31.63 | 0.00 |
| msgs received queued | 4,294,088 | 1,191.34 | 0.11 |
| msgs sent queue time (ms) | 46,387,335 | 12,869.55 | 1.19 |
| msgs sent queue time on ksxp (ms) | 14,467,445 | 4,013.80 | 0.37 |
| msgs sent queued | 9,352,722 | 2,594.79 | 0.24 |
| msgs sent queued on ksxp | 9,207,386 | 2,554.47 | 0.24 |
| number of broadcasted resources | 0 | 0.00 | 0.00 |
| number of directly freed master res | 2,138,956 | 593.42 | 0.05 |
| number of ges deadlock detected | 1 | 0.00 | 0.00 |
| number of lock borrowed by LMD | 0 | 0.00 | 0.00 |
| number of received ODPS messages | 0 | 0.00 | 0.00 |
| number of received RBA messages | 0 | 0.00 | 0.00 |
| number of resource borrowed by LMD | 0 | 0.00 | 0.00 |
| number of sent ODPS messages | 0 | 0.00 | 0.00 |
| number of sent RBA messages | 0 | 0.00 | 0.00 |
| process batch messages received | 1,576,403 | 437.35 | 0.04 |
| process batch messages sent | 2,985,865 | 828.39 | 0.08 |
| receiver cycle time | 914,070 | 253.60 | 0.02 |
| receiver loop count | 12,829,049 | 3,559.25 | 0.33 |

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## Global CR Server Statistics

| Statistic | Total |
|---|---|
| CR Block Requests | 4,808 |
| CURRENT Block Requests | 6,714 |
| Data Block Requests | 4,808 |

| | |
|---|---|
| Undo Block Requests | 0 |
| TX Block Requests | 109 |
| Current Results | 11,518 |
| Private results | 0 |
| Zero Results | 2 |
| Disk Read Results | 0 |
| Fail Results | 0 |
| Fairness Down Converts | 2,860 |
| Light Works | 0 |
| Flushes | 722 |
| Builds | 4,808 |
| Errors | 0 |

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# Global Current Server Statistics

- Pins = CURRENT Block Pin Operations
- Flushes = Redo Flush before CURRENT Block Served Operations

| Statistic | Total | % <100us | % <1ms | % <10ms | % <100ms | % <1s | % <10s |
|---|---|---|---|---|---|---|---|
| Pins | 6 | | 16.67 | 33.33 | | 50.00 | |
| Flushes | 28 | | 3.57 | 67.86 | 28.57 | | |

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# Global Cache Transfer Statistics



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# Global Cache Transfer Statistics

- Immediate (Immed) - Block Transfer NOT impacted by Remote Processing Delays
- Busy (Busy) - Block Transfer impacted by Remote Contention
- Congested (Congst) - Block Transfer impacted by Remote System Load
- ordered by CR + Current Blocks Received desc

| | | CR | | | | Current | | | |
|---|---|---|---|---|---|---|---|---|---|
| Inst No | Block Class | Blocks Received | % Immed | % Busy | % Congst | Blocks Received | % Immed | % Busy | % Congst |
| 2 | data block | 2,871 | 98.71 | 1.29 | 0.00 | 1,200,068 | 99.91 | 0.08 | 0.01 |
| 2 | undo header | 7,409 | 99.96 | 0.04 | 0.00 | 143 | 91.61 | 8.39 | 0.00 |
| 2 | Others | 43 | 100.00 | 0.00 | 0.00 | 580 | 40.86 | 59.14 | 0.00 |
| 2 | undo block | 1 | 100.00 | 0.00 | 0.00 | 1 | 0.00 | 100.00 | 0.00 |

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# Global Cache Transfer Times (us)

- Avg Time - average time of all blocks (Immed,Busy,Congst) in us
- Immed, Busy, Congst - Average times in us
- ordered by CR + Current Blocks Received desc

| | | CR Avg Time (us) | | | | Current Avg Time (us) | | | |
|---|---|---|---|---|---|---|---|---|---|
| Inst No | Block Class | All | Immed | Busy | Congst | All | Immed | Busy | Congst |
| 2 | data block | 2126 | 2057 | 7412 | | 1277 | 1276 | 2358 | 6416 |
| 2 | undo header | 1723 | 1720 | 10889 | | 2215 | 2215 | 2211 | |
| 2 | others | 2406 | 2406 | | | 2263 | 1973 | 2462 | |
| 2 | undo block | 679 | 679 | | | 407 | | 407 | |

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# Global Cache Transfer (Immediate)

- Immediate (Immed) - Block Transfer NOT impacted by Remote Processing Delays
- % of Blocks Received requiring 2 or 3 hops
- ordered by CR + Current Blocks Received desc

| | | | CR | | | Current | | |
|---|---|---|---|---|---|---|---|---|
| Src Inst# | Block Class | Blocks Lost | Immed Blks Received | % 2hop | % 3hop | Immed Blks Received | % 2hop | % 3hop |
| 2 | data block | | 2,834 | 100.00 | 0.00 | 1,199,009 | 100.00 | 0.00 |
| 2 | undo header | | 7,406 | 100.00 | 0.00 | 131 | 100.00 | 0.00 |
| 2 | others | | 43 | 100.00 | 0.00 | 237 | 100.00 | 0.00 |
| 2 | undo block | | 1 | 100.00 | 0.00 | | | |

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# Global Cache Times (Immediate)

- Blocks Lost, 2-hop and 3-hop Average times in (us)
- ordered by CR + Current Blocks Received desc

| | | | CR Avg Time (us) | | | Current Avg Time (us) | | |
|---|---|---|---|---|---|---|---|---|
| Src Inst# | Block Class | Lost Time | Immed | 2hop | 3hop | Immed | 2hop | 3hop |
| 2 | data block | | 2057 | 2057 | | 1276 | 1276 | |
| 2 | undo header | | 1720 | 1720 | | 2215 | 2215 | |
| 2 | others | | 2406 | 2406 | | 1973 | 1973 | |
| 2 | undo block | | 679 | 679 | | | | |

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# Interconnect Statistics

- Interconnect Latency Stats
- Interconnect Throughput by Client
- Interconnect Device Stats

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# Interconnect Ping Latency Statistics

- Ping latency of the roundtrip of a message from this instance to
- target instances.
- The target instance is identified by an instance number.
- Average and standard deviation of ping latency is given in microseconds
- for message sizes of 500 bytes and 8K.
- Note that latency of a message from the instance to itself is used as
- control, since message latency can include wait for CPU

| Target Instance | 500B Ping Count | Avg Latency 500B msg | Stddev 500B msg | 8K Ping Count | Avg Latency 8K msg | Stddev 8K msg |
|---|---|---|---|---|---|---|
| 1 | 330 | 262 | 0.07 | 360 | 245 | 0.06 |
| 2 | 330 | 1804 | 2.67 | 360 | 1791 | 2.66 |

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# Interconnect Throughput by Client

- Throughput of interconnect usage by major consumers
- All throughput numbers are megabytes per second

| Used By | Send Mbytes/sec | Receive Mbytes/sec |
|---|---|---|
| Global Cache | 0.05 | 4.79 |
| Parallel Query | 0.02 | 0.01 |
| DB Locks | 1.08 | 0.23 |
| DB Streams | | |
| Other | 0.06 | 0.04 |

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# Interconnect Device Statistics

- Throughput and errors of interconnect devices (at OS level)
- All throughput numbers are megabytes per second

| Device Name | IP Address | Public | Source | Send Mbytes/sec | Send Errors | Send Dropped | Send Buffer Overrun | Send Carrier Lost | Receive Mbytes/sec | Receive Errors | Receive Dropped | Receive Buffer Overrun | Receive Frame Errors |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| intcon0:1 | 169.254.11.5 | NO | | 0.00 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0 |
| intcon1:1 | 169.254.31.43 | NO | | 0.00 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0 |

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## Dynamic Remastering Statistics

- Times are in seconds
- Affinity objects - Affinity objects mastered at the begin/end snapshot
- Read-mostly objects - Read-mostly objects mastered at the begin/end snapshot

| Name | Total | per Remaster Op | Begin Snap | End Snap |
|---|---|---|---|---|
| affinity objects | | | 98 | 98 |
| read-mostly objects | | | 483 | 483 |
| affinity objects (other inst) | | | 2 | 2 |
| read-mostly objects (persistent) | | | 483 | 483 |

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**End of Report**