

WORKLOAD REPOSITORY report for

DB Name	DB Id	Unique Name	Role	Edition	Release	RAC	CDB
OQ05EODB	2798060480	oq05eodb	PRIMARY	EE	19.0.0.0.0	YES	NO
Instance	Inst Num	Startup Time	User Name	System Data Visible			
oq05eodb01	1	11-May-22 13:58	SYS	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:		826	17-May-22 03:00:17	9734		3.4	2
End Snap:		830	17-May-22 04:00:00	8514		3.0	2
Elapsed:		59.71 (mins)					
DB Time:		22,175.17 (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	400.86	69.92	ADDM:2798060480_1_827	17-May-22 03:00	17-May-22 03:15
Top SQL Statements	378.02	68.06	ADDM:2798060480_1_828	17-May-22 03:15	17-May-22 03:30
Top SQL Statements	354.93	65.98	ADDM:2798060480_1_829	17-May-22 03:30	17-May-22 03:45
Unusual "Other" Wait Event	400.86	41.55	ADDM:2798060480_1_827	17-May-22 03:00	17-May-22 03:15
Unusual "Other" Wait Event	378.02	40.47	ADDM:2798060480_1_828	17-May-22 03:15	17-May-22 03:30

Load Profile

	Per Second	Per Transaction	Per Exec	Per Call
DB Time(s):	371.4	0.1	0.00	0.00
DB CPU(s):	104.5	0.0	0.00	0.00
Background CPU(s):	2.3	0.0	0.00	0.00
Redo size (bytes):	48,491,731.6	5,954.4		
Logical read (blocks):	2,952,671.0	362.6		
Block changes:	210,737.0	25.9		
Physical read (blocks):	6,345.2	0.8		
Physical write (blocks):	3,730.0	0.5		
Read IO requests:	876.2	0.1		
Write IO requests:	1,657.3	0.2		
Read IO (MB):	99.1	0.0		
Write IO (MB):	58.3	0.0		
IM scan rows:	0.0	0.0		
Session Logical Read IM:	0.0	0.0		
Global Cache blocks received:	10.4	0.0		
Global Cache blocks served:	27.8	0.0		
User calls:	491,179.3	60.3		
Parses (SQL):	149,607.9	18.4		
Hard parses (SQL):	0.0	0.0		
SQL Work Area (MB):	29.4	0.0		
Logons:	4.9	0.0		
User logons:	4.6	0.0		
Executes (SQL):	142,563.4	17.5		
Rollbacks:	5,643.0	0.7		
Transactions:	8,143.8			

Instance Efficiency Percentages (Target 100%)

Buffer Nowait %:	99.94	Redo NoWait %:	100.00
Buffer Hit %:	99.98	In-memory Sort %:	100.00
Library Hit %:	99.77	Soft Parse %:	100.00
Execute to Parse %:	-4.94	Latch Hit %:	99.60
Parse CPU to Parse Elapsed %:	83.70	% Non-Parse CPU:	96.60
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	4,846,538	470.1K	96.99ms	35.3	Other
DB CPU		374.3K		28.1	
enq: TX - row lock contention	2,562,580	211.4K	82.48ms	15.9	Application
library cache: mutex X	29,007,420	79.5K	2.74ms	6.0	Concurrency
buffer busy waits	5,330,814	67.3K	12.62ms	5.1	Concurrency
log file sync	4,837,519	55.7K	11.51ms	4.2	Commit
enq: TX - allocate ITL entry	42,134	27.7K	657.22ms	2.1	Configuration
latch: undo global data	1,711,767	21.6K	12.61ms	1.6	Other
SQL*Net message to client	7.7E+08	19.4K	25.06us	1.5	Network
enq: TX - index contention	517,819	9845.3	19.01ms	.7	Concurrency

Wait Classes by Total Wait Time

Wait Class	Waits	Total Wait Time (sec)	Avg Wait Time	% DB time	Avg Active Sessions
Other	33,264,747	520,228	15.64ms	39.1	145.2
DB CPU		374,330		28.1	104.5
Application	2,601,753	211,926	81.46ms	15.9	59.2
Concurrency	36,946,578	163,284	4.42ms	12.3	45.6
Commit	4,837,532	55,693	11.51ms	4.2	15.5
Configuration	183,660	29,805	162.28ms	2.2	8.3
Network	884,092,109	26,748	30.25us	2.0	7.5
System I/O	13,632,297	14,470	1.06ms	1.1	4.0
User I/O	6,827,440	6,235	913.24us	.5	1.7
Cluster	1,107,004	2,999	2.71ms	.2	0.8

Host CPU

CPUs	Cores	Sockets	Load Average Begin	Load Average End	%User	%System	%WIO	%Idle
160	80	8	269.43	381.13	63.2	10.2	0.2	23.0

Instance CPU

%Total CPU	%Busy CPU	%DB time waiting for CPU (Resource Manager)
67.9	88.2	0.0

IO Profile

	Read+Write Per Second	Read per Second	Write Per Second
Total Requests:	9,763.6	998.6	8,765.0
Database Requests:	2,533.5	876.2	1,657.3
Optimized Requests:	0.0	0.0	0.0
Redo Requests:	7,096.9	47.6	7,049.3
Total (MB):	353.0	147.9	205.1
Database (MB):	157.4	99.1	58.3
Optimized Total (MB):	0.0	0.0	0.0
Redo (MB):	144.7	47.5	97.3
Database (blocks):	10,075.2	6,345.2	3,730.0
Via Buffer Cache (blocks):	4,062.7	455.0	3,607.6
Direct (blocks):	6,012.5	5,890.2	122.4

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):	63,969.9	59,624.9
% Host Mem used for SGA+PGA:	29.82	29.71

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:	1,052,672M	1,052,672M Std Block Size:
		16K

Shared Pool Size:	89,970M	90,232M Log Buffer:	487,848K
In-Memory Area:	0M		0M

Shared Pool Statistics

	Begin	End
Memory Usage %:	41.39	41.27
% SQL with executions>1:	97.09	97.32
% Memory for SQL w/exec>1:	94.83	96.64

Main Report

- [Report Summary](#)
- [Wait Events Statistics](#)
- [SQL Statistics](#)
- [Instance Activity Statistics](#)
- [IO Stats](#)
- [Buffer Pool Statistics](#)
- [Advisory Statistics](#)
- [Wait Statistics](#)
- [Undo Statistics](#)
- [Latch Statistics](#)
- [Segment Statistics](#)
- [Dictionary Cache Statistics](#)
- [Library Cache Statistics](#)
- [Memory Statistics](#)
- [Replication Statistics \(GoldenGate, XStream\)](#)
- [Advanced Queuing](#)
- [Resource Limit Statistics](#)
- [Shared Server Statistics](#)
- [Initialization Parameters](#)
- [Active Session History \(ASH\) Report](#)
- [ADDM Reports](#)

RAC Statistics

- [RAC Report Summary](#)
- [Global Messaging Statistics](#)
- [Global CR Server Statistics](#)
- [Global Current Server Statistics](#)
- [Global Cache Transfer Statistics](#)
- [Interconnect Statistics](#)
- [Dynamic Remastering Statistics](#)

[Back to Top](#)

Wait Events Statistics

- [Time Model Statistics](#)
- [Operating System Statistics](#)
- [Operating System Statistics - Detail](#)
- [Foreground Wait Class](#)
- [Foreground Wait Events](#)
- [Background Wait Events](#)
- [Wait Event Histogram](#)
- [Wait Event Histogram \(up to 64 us\)](#)
- [Wait Event Histogram \(up to 32 ms\)](#)
- [Wait Event Histogram \(up to 2 sec\)](#)
- [Wait Event Histogram \(up to 2 min\)](#)
- [Wait Event Histogram \(up to 1 hr\)](#)
- [Service Statistics](#)
- [Service Wait Class Stats](#)
- [Top 10 Channel Waits](#)
- [Top Process Types by Wait Class](#)
- [Top Process Types by CPU Used](#)

[Back to Top](#)

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	1,073,903.63	80.71	
DB CPU	374,330.08	28.13	97.85
parse time elapsed	16,373.65	1.23	
PL/SQL execution elapsed time	10,940.11	0.82	
connection management call elapsed time	10,834.97	0.81	

sequence load elapsed time	1,701.25	0.13	
RMAN cpu time (backup/restore)	46.69	0.00	0.01
repeated bind elapsed time	7.54	0.00	
hard parse elapsed time	2.65	0.00	
failed parse elapsed time	1.70	0.00	
hard parse (sharing criteria) elapsed time	0.83	0.00	
hard parse (bind mismatch) elapsed time	0.37	0.00	
PL/SQL compilation elapsed time	0.06	0.00	
inbound PL/SQL rpc elapsed time	0.05	0.00	
DB time	1,330,509.99		
background elapsed time	38,271.68		
background cpu time	8,206.07		2.15
total CPU time	382,536.15		

[Back to Wait Events Statistics](#)

[Back to Top](#)

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	689,674,858,496	698,527,158,272
INACTIVE_MEMORY_BYTES	63,173,365,760	63,546,048,512
SWAP_FREE_BYTES	4,294,963,200	
BUSY_TIME	43,378,605	
IDLE_TIME	12,951,040	
IOWAIT_TIME	87,747	
NICE_TIME	2,087	
SYS_TIME	5,743,322	
USER_TIME	35,573,776	
LOAD	269	381
RSRC_MGR_CPU_WAIT_TIME	0	
PHYSICAL_MEMORY_BYTES	4,326,592,753,664	
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	

[Back to Wait Events Statistics](#)

[Back to Top](#)

Operating System Statistics - Detail

Snap Time	Load	%busy	%user	%sys	%idle	%iowait
17-May 03:00:17	269.43					
17-May 03:15:33	338.30	77.87	63.75	10.40	22.13	0.17
17-May 03:30:46	340.07	76.43	62.55	10.28	23.57	0.13
17-May 03:45:56	341.54	77.26	63.46	10.11	22.74	0.15
17-May 04:00:00	381.13	76.41	62.82	9.98	23.59	0.17

[Back to Wait Events Statistics](#)

[Back to Top](#)

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 103.3% of Total DB time 1,330,509.99 (s)
- Total FG Wait Time: 1,000,430.28 (s) DB CPU time: 374,330.08 (s)

Wait Class	Waits	%Time -outs	Total Wait Time (s)	Avg wait	%DB time
file:///C:/Users/spmbmm/AppData/Local/Microsoft/Windows/INetCache/Content.Outlook/GX2AP15Y/003_AWR_17thMay3amTo4am.html					

Other	27,148,699	1	504,644	18.59ms	37.93
DB CPU			374,330		28.13
Application	2,570,521	0	211,386	82.23ms	15.89
Concurrency	36,813,115	0	163,244	4.43ms	12.27
Commit	4,837,519	0	55,693	11.51ms	4.19
Configuration	147,861	5	29,608	200.24ms	2.23
Network	884,052,503	0	26,747	30.26us	2.01
User I/O	6,277,985	0	6,121	.98ms	0.46
Cluster	1,093,842	0	2,979	2.72ms	0.22
System I/O	3,154	0	8	2.41ms	0.00

[Back to Wait Events Statistics](#)

[Back to Top](#)

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	4,846,538		470,084	96.99ms	0.17	35.33
enq: TX - row lock contention	2,562,580		211,365	82.48ms	0.09	15.89
library cache: mutex X	29,007,420		79,520	2.74ms	0.99	5.98
buffer busy waits	5,330,814		67,299	12.62ms	0.18	5.06
log file sync	4,837,519		55,693	11.51ms	0.17	4.19
enq: TX - allocate ITL entry	42,134	17	27,691	657.22ms	0.00	2.08
latch: undo global data	1,711,767		21,578	12.61ms	0.06	1.62
SQL*Net message to client	774,159,646		19,400	25.06us	26.54	1.46
enq: TX - index contention	517,819		9,845	19.01ms	0.02	0.74
Failed Logon Delay	7,584	100	7,588	1000.55ms	0.00	0.57
SQL*Net more data to client	108,924,840		6,030	55.36us	3.73	0.45
latch: cache buffers chains	1,525,632		5,304	3.48ms	0.05	0.40
db file sequential read	1,612,067		3,549	2.20ms	0.06	0.27
gc current grant read-mostly invalidation	815,040		2,319	2.85ms	0.03	0.17
direct path read	945,990		1,954	2.07ms	0.03	0.15
latch free	189,822		1,637	8.62ms	0.01	0.12
SQL*Net more data from client	947,708		1,317	1.39ms	0.03	0.10
latch: enqueue hash chains	54,291		984	18.13ms	0.00	0.07
PX Deq: Table Q Get Keys	98		961	9.81 s	0.00	0.07
cursor: pin S	310,173		779	2.51ms	0.01	0.06
log file switch completion	12,321		721	58.50ms	0.00	0.05
enq: SQ - contention	60,779		687	11.30ms	0.00	0.05
ges enter server mode	16,688,477		628	37.60us	0.57	0.05
enq: SV - contention	31,728		469	14.79ms	0.00	0.04
gc current grant 2-way	228,038		439	1.93ms	0.01	0.03
direct path write	222,791		433	1.94ms	0.01	0.03
PGA memory operation	3,122,602		290	92.76us	0.11	0.02
library cache: bucket mutex X	86,411		276	3.19ms	0.00	0.02
enq: US - contention	2,553		143	56.18ms	0.00	0.01
DLM cross inst call completion	53,538	50	136	2.53ms	0.00	0.01
row cache lock	28,073	90	127	4.51ms	0.00	0.01
latch: redo allocation	11,636		109	9.34ms	0.00	0.01
gc buffer busy acquire	3,045		98	32.23ms	0.00	0.01
ASM IO for non-blocking poll	3,060,362		94	30.59us	0.10	0.01
enq: FB - contention	30,873		76	2.47ms	0.00	0.01
Disk file operations I/O	433,721		75	173.34us	0.01	0.01
resmgr:internal state change	749	49	74	99.00ms	0.00	0.01
Sync ASM rebalance	7,282		72	9.93ms	0.00	0.01
gc current grant busy	17,642		62	3.52ms	0.00	0.00
wait list latch free	16,211		53	3.25ms	0.00	0.00
latch: cache buffers lru chain	12,014		46	3.86ms	0.00	0.00
buffer deadlock	21,236	100	38	1.81ms	0.00	0.00
gc current block busy	21,124		37	1.75ms	0.00	0.00
global enqueue expand wait	51,479		36	701.49us	0.00	0.00
enq: HW - contention	634	0	35	55.51ms	0.00	0.00
gcs drm freeze in enter server mode	23		34	1458.03ms	0.00	0.00
latch: call allocation	3,736		33	8.80ms	0.00	0.00
reliable message	2,740		26	9.66ms	0.00	0.00
enq: TX - contention	479	19	20	41.92ms	0.00	0.00
enq: WL - contention	1		20	19.60 s	0.00	0.00

gc current multi block request	5,710		16	2.89ms	0.00	0.00
read by other session	2,960		15	5.09ms	0.00	0.00
SQL*Net break/reset to client	7,894		13	1.60ms	0.00	0.00
PX Deq: Slave Session Stats	1,462		10	6.85ms	0.00	0.00
row cache mutex	2,052		9	4.37ms	0.00	0.00
enq: KO - fast object checkpoint	43		9	200.72ms	0.00	0.00
control file sequential read	3,125		7	2.38ms	0.00	0.00
KJC: Wait for msg sends to complete	25,576		6	244.66us	0.00	0.00
latch: messages	758		6	7.97ms	0.00	0.00
library cache lock	119	6	4	37.66ms	0.00	0.00
transaction	47,017		4	93.71us	0.00	0.00
cursor: mutex X	3,514		4	1.15ms	0.00	0.00
latch: object queue header operation	452		4	8.79ms	0.00	0.00
gc current block 2-way	2,124		3	1.62ms	0.00	0.00
CSS initialization	324		3	9.21ms	0.00	0.00
PX qref latch	214,385	100	3	12.15us	0.01	0.00
PX Deq: Join ACK	677		2	3.36ms	0.00	0.00
rdbms ipc reply	464		2	4.50ms	0.00	0.00
write complete waits	79		2	21.00ms	0.00	0.00
db file parallel read	88		2	17.97ms	0.00	0.00
latch: redo writing	150		1	9.20ms	0.00	0.00
oracle thread bootstrap	19		1	71.92ms	0.00	0.00
latch: shared pool	254		1	5.11ms	0.00	0.00
gc cr grant 2-way	724		1	1.76ms	0.00	0.00
PX Deq: reap credit	8,930	100	1	130.10us	0.00	0.00
PX Deq: Signal ACK EXT	677		1	1.64ms	0.00	0.00
latch: checkpoint queue latch	148		1	6.90ms	0.00	0.00
ASM file metadata operation	230		1	4.21ms	0.00	0.00
CSS operation: action	325		1	2.95ms	0.00	0.00
latch: gc element	114		1	7.82ms	0.00	0.00
IPC group service call	20,309		1	41.09us	0.00	0.00
latch: redo copy	36		1	21.10ms	0.00	0.00
enq: PS - contention	347	6	1	2.02ms	0.00	0.00
gc cr multi block mixed	114		1	5.86ms	0.00	0.00
gc cr multi block grant	82		1	6.31ms	0.00	0.00
IPC send completion sync	492		0	903.21us	0.00	0.00
CSS operation: query	900		0	493.15us	0.00	0.00
latch: active service list	77		0	5.64ms	0.00	0.00
gc cr block 2-way	166		0	1.94ms	0.00	0.00
log switch/archive	3	100	0	104.60ms	0.00	0.00
gc current grant congested	9		0	28.16ms	0.00	0.00
latch: kjci process context latch	67		0	2.80ms	0.00	0.00
enq: CF - contention	13		0	11.94ms	0.00	0.00
cursor: mutex S	48		0	3.11ms	0.00	0.00
name-service call wait	40		0	3.64ms	0.00	0.00
CSS operation: data query	144		0	943.00us	0.00	0.00
control file parallel write	27		0	5.02ms	0.00	0.00
KSV master wait	4		0	28.42ms	0.00	0.00
latch: cache buffer handles	11		0	9.43ms	0.00	0.00
ges inquiry response	11		0	8.86ms	0.00	0.00
CSS group membership query	72		0	1.19ms	0.00	0.00
library cache pin	17		0	4.95ms	0.00	0.00
redo log switch request completion	1		0	70.91ms	0.00	0.00
DFS lock handle	3		0	18.75ms	0.00	0.00
latch: session allocation	26		0	1.39ms	0.00	0.00
enq: RO - fast object reuse	4		0	8.60ms	0.00	0.00
lock escalate retry	46	100	0	707.00us	0.00	0.00
gc buffer busy release	12		0	2.59ms	0.00	0.00
latch: gcs resource hash	3		0	7.51ms	0.00	0.00
enq: JS - job run lock - synchronize	3	100	0	6.06ms	0.00	0.00
direct path write temp	6		0	2.57ms	0.00	0.00
log file sequential read	2		0	6.05ms	0.00	0.00
ges ipc enter server mode	293		0	40.02us	0.00	0.00
ges resource directory to be unfrozen	8,968		0	1.20us	0.00	0.00
library cache load lock	17		0	556.82us	0.00	0.00
gc cr grant busy	11		0	781.36us	0.00	0.00
asynch descriptor resize	622	100	0	12.68us	0.00	0.00
enq: KI - contention	2		0	3.77ms	0.00	0.00
latch: parallel query alloc buffer	6		0	1.08ms	0.00	0.00
enq: TO - contention	4		0	1.23ms	0.00	0.00
row cache read	2		0	1.48ms	0.00	0.00

latch: MGA heap latch	1	0	1.99ms	0.00	0.00
gc cr block busy	1	0	1.44ms	0.00	0.00
SQL*Net message from client	774,258,545	35,311,095	45.61ms	26.54	
watchdog main loop	23,873	71,631	3000.49ms	0.00	
PX Deq: Execution Msg	5,078	4,587	903.31ms	0.00	
PL/SQL lock timer	60	3,600	60.00 s	0.00	
PX Deq: Table Q Sample	112	1,249	11.15 s	0.00	
PX Deq Credit: need buffer	1,534	835	544.59ms	0.00	
PX Deq: Execute Reply	4,909	521	106.21ms	0.00	
PX Deq: Table Q Normal	5,631	351	62.39ms	0.00	
PX Deq Credit: send blkd	3,409	263	77.17ms	0.00	
jobq slave wait	403	201	499.36ms	0.00	
PX Deq: Msg Fragment	1,546	2	1.52ms	0.00	
PX Deq: Parse Reply	677	2	2.25ms	0.00	

[Back to Wait Events Statistics](#)

[Back to Top](#)

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
log file parallel write	4,033,836	0	7,980	1.98ms	0.14	20.85
LGWR intra group sync	2,685,819	0	7,707	2.87ms	0.09	20.14
db file parallel write	3,196,869	0	5,400	1.69ms	0.11	14.11
LGWR any worker group	1,154,680	0	3,140	2.72ms	0.04	8.21
LGWR intra group IO completion	858,906	0	1,775	2.07ms	0.03	4.64
LGWR worker group ordering	403,212	0	1,250	3.10ms	0.01	3.27
db file async I/O submit	6,124,131	0	591	96.57us	0.21	1.55
SQL*Net break/reset to client	30,357	0	534	17.59ms	0.00	1.39
process diagnostic dump	67	0	414	6185.45ms	0.00	1.08
DLM cross inst call completion	200,964	50	351	1.75ms	0.01	0.92
control file sequential read	243,039	0	320	1.31ms	0.01	0.83
latch: redo writing	35,798	0	198	5.52ms	0.00	0.52
LGWR wait for redo copy	62,562	0	177	2.83ms	0.00	0.46
log file sequential read	26,364	0	149	5.65ms	0.00	0.39
latch: redo allocation	74,887	0	147	1.96ms	0.00	0.38
ges lms sync during dynamic remastering and reconfig	529	95	107	201.63ms	0.00	0.28
latch free	70,955	0	98	1.38ms	0.00	0.26
ASM file metadata operation	36,634	0	73	2.00ms	0.00	0.19
ASM IO for non-blocking poll	519,757	0	64	122.86us	0.02	0.17
KSV master wait	9,695	30	63	6.49ms	0.00	0.16
recovery area: computing obsolete files	8	0	41	5155.74ms	0.00	0.11
oracle thread bootstrap	150	0	31	203.33ms	0.00	0.08
gcs drm freeze in enter server mode	14	0	28	1999.84ms	0.00	0.07
db file sequential read	15,190	0	24	1.59ms	0.00	0.06
latch: cache buffers lru chain	5,442	0	24	4.41ms	0.00	0.06
latch: MGA shared context root latch	1,676	0	23	13.53ms	0.00	0.06
gcs log flush sync	9,743	0	19	1.98ms	0.00	0.05
Sync ASM rebalance	1,312	0	15	11.62ms	0.00	0.04
control file parallel write	3,923	0	15	3.84ms	0.00	0.04
IMR slave acknowledgement msg	10,743	0	15	1.40ms	0.00	0.04
gcs remastering wait for read latch	145	0	13	89.61ms	0.00	0.03
oradebug request completion	95	0	13	135.68ms	0.00	0.03
Disk file operations I/O	10,689	0	13	1.19ms	0.00	0.03
reliable message	696	0	11	15.72ms	0.00	0.03
latch: messages	2,676	0	9	3.32ms	0.00	0.02
latch: object queue header operation	941	0	9	9.19ms	0.00	0.02
Data file init write	1,624	0	6	3.95ms	0.00	0.02
row cache lock	609	100	6	10.00ms	0.00	0.02
os thread creation	169	0	6	34.10ms	0.00	0.02
gc cr multi block mixed	542	0	6	10.48ms	0.00	0.01
gc cr block 2-way	4,968	0	5	1.10ms	0.00	0.01
latch: checkpoint queue latch	1,428	0	5	3.78ms	0.00	0.01
enq: RO - fast object reuse	711	0	5	7.40ms	0.00	0.01
latch: MGA shared context latch	814	0	5	6.10ms	0.00	0.01
enq: XR - database force logging	1,158	0	4	3.26ms	0.00	0.01
DFS lock handle	2,249	99	4	1.68ms	0.00	0.01

gc current block busy	2,345	0	4	1.59ms	0.00	0.01
library cache: mutex X	190	0	4	19.43ms	0.00	0.01
Log archive I/O	26	0	4	141.84ms	0.00	0.01
PX Deq: Join ACK	500	0	4	7.19ms	0.00	0.01
latch: gc element	830	0	3	4.12ms	0.00	0.01
LGWR all worker groups	629	0	3	5.28ms	0.00	0.01
enq: CF - contention	866	76	3	3.39ms	0.00	0.01
RMAN backup & recovery I/O	764	0	3	3.43ms	0.00	0.01
gc current block 2-way	2,671	0	3	.98ms	0.00	0.01
direct path write	363	0	3	7.13ms	0.00	0.01
ges LMD suspend for testing event	112	0	3	22.99ms	0.00	0.01
latch: cache buffers chains	965	0	2	2.38ms	0.00	0.01
PX Deq: reap credit	96,291	100	2	22.24us	0.00	0.01
db file scattered read	962	0	2	2.13ms	0.00	0.01
enq: CR - block range reuse ckpt	385	0	1	3.84ms	0.00	0.00
process terminate	14	0	1	100.45ms	0.00	0.00
PGA memory operation	30,530	0	1	45.45us	0.00	0.00
direct path write temp	505	0	1	2.33ms	0.00	0.00
latch: gcs resource hash	533	0	1	2.13ms	0.00	0.00
ges enter server mode	150,301	0	1	6.87us	0.01	0.00
CGS wait for IPC msg	102,329	100	1	10.09us	0.00	0.00
AQ: RAC AQ Network	35,587	100	1	28.08us	0.00	0.00
CSS initialization	38	0	1	25.44ms	0.00	0.00
gc cr grant 2-way	1,065	0	1	693.70us	0.00	0.00
enq: PW - flush prewarm buffers	152	100	1	4.57ms	0.00	0.00
latch: undo global data	59	0	1	10.74ms	0.00	0.00
gc current grant 2-way	701	0	1	903.31us	0.00	0.00
enq: PS - contention	281	7	1	2.16ms	0.00	0.00
direct path read	32	0	1	17.28ms	0.00	0.00
KJC: Wait for msg sends to complete	594	0	1	881.75us	0.00	0.00
ges inquiry response	134	0	1	3.85ms	0.00	0.00
PX Deq: Signal ACK EXT	500	0	1	1.00ms	0.00	0.00
recovery area: computing backed up files	8	0	0	62.09ms	0.00	0.00
latch: call allocation	35	0	0	13.49ms	0.00	0.00
gc current grant busy	426	0	0	.95ms	0.00	0.00
IPC group service call	3,041	0	0	127.76us	0.00	0.00
enq: KI - contention	202	0	0	1.92ms	0.00	0.00
PX Deq: Slave Session Stats	500	0	0	716.64us	0.00	0.00
IPC send completion sync	3,831	93	0	81.07us	0.00	0.00
enq: TM - contention	12	0	0	24.09ms	0.00	0.00
ksxr poll remote instances	10,131	100	0	24.59us	0.00	0.00
gc cr multi block grant	324	0	0	738.73us	0.00	0.00
db file parallel read	82	0	0	2.82ms	0.00	0.00
latch: ges resource hash list	69	0	0	3.28ms	0.00	0.00
CSS group registration	14	0	0	15.97ms	0.00	0.00
gc cr block busy	90	0	0	2.44ms	0.00	0.00
resmgr:internal state change	2	100	0	100.06ms	0.00	0.00
recovery area: computing dropped files	8	0	0	24.17ms	0.00	0.00
kfk: async disk IO	112	0	0	1.70ms	0.00	0.00
CSS operation: action	85	0	0	2.16ms	0.00	0.00
latch: active service list	38	0	0	4.33ms	0.00	0.00
libcache interrupt action by LCK	129,039	0	0	1.20us	0.00	0.00
latch: kjci process context latch	173	0	0	873.08us	0.00	0.00
name-service call wait	80	0	0	1.77ms	0.00	0.00
wait for scn ack	1	0	0	129.62ms	0.00	0.00
SQL*Net message to client	36,565	0	0	3.46us	0.00	0.00
log file sync	13	0	0	9.33ms	0.00	0.00
enq: CO - master slave det	60	100	0	1.75ms	0.00	0.00
enq: WF - contention	84	0	0	1.22ms	0.00	0.00
ges2 LMON to wake up LMD - mrcvr	134	0	0	748.58us	0.00	0.00
gc current multi block request	28	0	0	3.46ms	0.00	0.00
ges ipc enter server mode	82,109	0	0	1.02us	0.00	0.00
log file single write	80	0	0	1.02ms	0.00	0.00
library cache: bucket mutex X	11	0	0	7.40ms	0.00	0.00
log file switch completion	1	0	0	78.31ms	0.00	0.00
ADR block file read	10	0	0	7.39ms	0.00	0.00
wait list latch free	36	0	0	2.03ms	0.00	0.00
db file single write	56	0	0	1.30ms	0.00	0.00
latch: enqueue hash chains	25	0	0	2.81ms	0.00	0.00
CSS operation: data query	30	0	0	2.30ms	0.00	0.00
latch: shared pool	46	0	0	1.38ms	0.00	0.00

CSS operation: query	100	0	0	593.20us	0.00	0.00
enq: FB - contention	28	0	0	2.06ms	0.00	0.00
ADR block file write	10	0	0	5.56ms	0.00	0.00
latch: MGA heap latch	41	0	0	1.23ms	0.00	0.00
enq: TO - contention	14	0	0	3.06ms	0.00	0.00
enq: PV - syncstart	1	0	0	38.11ms	0.00	0.00
CSS operation: data update	30	0	0	1.17ms	0.00	0.00
enq: TA - contention	12	0	0	2.34ms	0.00	0.00
enq: TX - index contention	30	0	0	929.23us	0.00	0.00
buffer busy waits	24	0	0	1.08ms	0.00	0.00
enq: SM - contention	12	0	0	2.08ms	0.00	0.00
ges DFS hang analysis phase 2 acks	1	0	0	23.47ms	0.00	0.00
ges message buffer allocation	5	0	0	4.27ms	0.00	0.00
direct path sync	196	0	0	102.76us	0.00	0.00
row cache mutex	6	0	0	2.96ms	0.00	0.00
enq: TK - Auto Task Serialization	6	100	0	2.72ms	0.00	0.00
enq: WL - contention	9	100	0	1.70ms	0.00	0.00
datafile move cleanup during resize	56	0	0	267.16us	0.00	0.00
gc quiesce	2	50	0	6.60ms	0.00	0.00
enq: TD - KTF dump entries	7	0	0	1.67ms	0.00	0.00
enq: RS - prevent file delete	1	100	0	10.78ms	0.00	0.00
library cache lock	5	0	0	1.71ms	0.00	0.00
gc buffer busy release	2	0	0	3.50ms	0.00	0.00
enq: JG - queue lock	1	0	0	6.24ms	0.00	0.00
asynch descriptor resize	1,113	100	0	5.35us	0.00	0.00
library cache pin	5	0	0	.99ms	0.00	0.00
get branch/thread/sequence enqueue	44	0	0	109.05us	0.00	0.00
PX qref latch	187	100	0	22.87us	0.00	0.00
enq: PD - contention	1	0	0	4.16ms	0.00	0.00
enq: TK - Auto Task Slave Lockout	1	100	0	3.77ms	0.00	0.00
ADR file lock	20	0	0	163.35us	0.00	0.00
enq: DR - contention	2	0	0	1.58ms	0.00	0.00
enq: RS - prevent aging list update	2	50	0	1.53ms	0.00	0.00
enq: MW - contention	2	0	0	1.39ms	0.00	0.00
ges resource directory to be unfrozen	175	0	0	14.83us	0.00	0.00
enq: RS - read alert level	2	0	0	1.21ms	0.00	0.00
AWR Flush	42	0	0	57.50us	0.00	0.00
cursor: pin S	1	0	0	1.59ms	0.00	0.00
enq: RS - write alert level	2	0	0	721.00us	0.00	0.00
gc current grant congested	1	0	0	1.42ms	0.00	0.00
enq: KO - fast object checkpoint	1	0	0	1.41ms	0.00	0.00
Space Manager: slave idle wait	74,855	0	348,647	4657.63ms	0.00	
rdbms ipc message	832,064	10	126,715	152.29ms	0.03	
LMS CR slave timer	6,237,758	0	64,400	10.32ms	0.21	
gcs remote message	8,352,553	0	64,047	7.67ms	0.29	
gcs yield cpu	7,438,151	99	63,308	8.51ms	0.25	
PX Idle Wait	805	0	52,159	64.79 s	0.00	
class slave wait	48,487	71	29,778	614.14ms	0.00	
pmon timer	8,491	97	24,898	2932.34ms	0.00	
EMON slave idle wait	3,580	100	17,901	5000.40ms	0.00	
ges remote message	3,276,551	0	14,096	4.30ms	0.11	
wait for unread message on broadcast channel	7,617	67	10,745	1410.72ms	0.00	
GCR sleep	22,327	0	6,886	308.41ms	0.00	
DIAG idle wait	104,756	26	5,045	48.16ms	0.00	
Data Guard: Gap Manager	60	0	3,600	60.00 s	0.00	
smon timer	13	92	3,600	276.92 s	0.00	
Streams AQ: qmn coordinator idle wait	265	0	3,583	13.52 s	0.00	
Streams AQ: qmn slave idle wait	134	0	3,583	26.74 s	0.00	
OFS idle	1,194	100	3,583	3000.49ms	0.00	
ASM cluster membership changes	2,046	89	3,582	1750.80ms	0.00	
heartbeat redo informer	39,560	0	3,581	90.53ms	0.00	
PING	2,181	23	3,581	1642.06ms	0.00	
REPL Capture/Apply: RAC AQ qmn coordinator	62	100	3,581	57.76 s	0.00	
Streams AQ: emn coordinator idle wait	358	100	3,580	10.00 s	0.00	
pman timer	1,193	100	3,580	3000.44ms	0.00	
ASM background timer	30,613	0	3,579	116.92ms	0.00	
lreg timer	3,577	0	3,574	999.22ms	0.00	
AQPC idle	119	100	3,570	30.00 s	0.00	
Data Guard: Timer	138	0	3,570	25.87 s	0.00	
SCM slave idle	35,811	0	3,529	98.56ms	0.00	
LGWR worker group idle	1,196,809	0	1,801	1.50ms	0.04	

SQL*Net message from client	45,510	0	1,559	34.25ms	0.00
PX Deq: Execute Reply	7,412	0	290	39.15ms	0.00
PX Deq Credit: send blkd	1,477	0	3	2.16ms	0.00
PX Deq: Parse Reply	500	0	2	4.80ms	0.00
heartbeat monitor sleep	1,776	0	2	1.27ms	0.00
PX Deq Credit: need buffer	74	0	0	1.84ms	0.00
RMA: IPC0 completion sync	3,965	0	0	12.04us	0.00

[Back to Wait Events Statistics](#)
[Back to Top](#)

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)

Event	Total Waits	% of Total Waits							
		<8us	<16us	<32us	<64us	<128us	<256us	<512us	>=512us
ADR block file read	10								100.0
ADR block file write	10								100.0
ADR file lock	20		5.0	25.0	20.0		40.0	5.0	5.0
AQ: RAC AQ Network	35.6K	1.9	26.0	66.7	4.7	.5	.1	.0	.0
ASM IO for non-blocking poll	3.6M	9.3	18.1	45.0	20.5	3.0	2.3	1.4	.5
ASM background starting	19	100.0							
ASM file metadata operation	36.8K	58.4	2.1	7.5	6.4	3.3	2.1	9.4	10.8
AWR Flush	42	4.8	26.2	35.7	31.0				2.4
CGS wait for IPC msg	102.3K	64.3	9.8	23.4	1.9	.5	.1	.0	.0
CSS group membership query	70						11.4	47.1	41.4
CSS group registration	14								100.0
CSS initialization	362		.6	7.2	26.0	3.9	.6		61.9
CSS operation: action	408	.2	3.7	2.5					93.6
CSS operation: data query	170						7.6	35.3	57.1
CSS operation: data update	30								100.0
CSS operation: query	1002	21.6	20.3	29.8	13.9	.6			13.9
DFS lock handle	2252						8.0	22.4	69.6
DLM cross inst call completion	254.2K	.0	5.1	27.3	16.9	.9	.1	2.0	47.6
Data file init write	1624							.1	99.9
Disk file operations I/O	443.4K	.2	1.8	21.0	50.7	11.9	3.6	8.0	2.8
Failed Logon Delay	7584								100.0
GCR CSS group query	30	30.0	66.7	3.3					
GCR CSS group update	30	93.3	6.7						
IMR slave acknowledgement msg	10.7K	.7	.2	1.0	5.1	3.7	8.7	15.9	64.8
IPC group service call	23.3K	.2	2.1	35.3	51.7	6.1	4.2	.3	.2
IPC send completion sync	4326		19.3	59.0	4.3	4.8	4.1	2.6	5.8
KJC: Wait for msg sends to complete	26.1K	.0		.0	7.8	77.9	7.9	1.2	5.2
KSV master wait	9699	11.8	11.0	1.8	.4	2.3	8.6	13.3	50.7
LGWR all worker groups	630					.3	.2	.5	99.0
LGWR any worker group	1.2M	.0	.0	.0	.4	1.0	2.4	6.1	90.1
LGWR intra group IO completion	858.5K	.0	.0	.2	1.3	2.9	6.0	13.0	76.6
LGWR intra group sync	2.7M	.0	.0	.0	.4	2.0	4.6	10.3	82.7
LGWR wait for redo copy	62.6K	.8	.0	.2	2.3	4.1	5.9	11.6	75.1
LGWR worker group ordering	403K	.3	.0	.5	2.2	2.5	4.0	8.8	81.8
Log archive I/O	26								100.0
PGA memory operation	3.2M	.4	11.3	40.6	32.0	8.3	.4	1.4	5.6
PX Deq Credit: free buffer	8		25.0	37.5	37.5				
PX Deq: Join ACK	1185	.2	3.2	6.6	5.8	2.6	2.4	4.0	75.3
PX Deq: Signal ACK EXT	1185	.2	2.9	19.0	38.0	17.5	4.1	2.6	15.9
PX Deq: Slave Session Stats	1974	.6	8.8	23.7	14.4	5.9	3.6	4.7	38.3
PX Deq: Table Q Get Keys	98								100.0
PX Deq: reap credit	105.6K	34.6	32.1	28.6	3.0	1.0	.3	.1	.3
PX qref latch	214.6K	98.4	.7	.3	.1	.0	.1	.1	.3
RMAN backup & recovery I/O	764							.8	99.2
Redo Transport Open	20	100.0							
SQL*Net break/reset to client	38.2K	19.3	18.7	7.6	4.1	.3	.0	.6	49.4
SQL*Net message to client	774.3M	3.1	22.5	53.1	20.1	1.0	.1	.0	.1
SQL*Net more data from client	947.8K		.1	5.7	17.9	6.0	3.4	11.3	55.7
SQL*Net more data to client	108.9M	.0	.6	12.4	67.1	18.9	.6	.1	.2
Sync ASM rebalance	9108	.0	2.5	22.1	22.2	2.8	.3	.0	50.0
asynch descriptor resize	1727	64.3	28.0	7.2	.4	.1			.1

buffer busy waits	5.3M	.1	3.0	15.3	10.8	2.8	2.5	4.0	61.5
buffer deadlock	21.2K	.0	3.8	23.1	17.7	3.4	6.3	8.9	36.8
control file parallel write	3953							5.6	94.4
control file sequential read	246.2K						4.9	32.5	62.6
cursor: mutex S	49								100.0
cursor: mutex X	3507	2.4	19.1	39.9	13.7	1.4	2.0	4.0	17.4
cursor: pin S	310.3K								100.0
datafile move cleanup during resize	56					1.8	53.6	42.9	1.8
db file async I/O submit	6.2M	49.9	.0	.0	5.2	36.6	5.3	.9	1.9
db file parallel read	170								100.0
db file parallel write	3.2M	.0	1.1	1.8	.8	.5	.5	16.8	78.6
db file scattered read	968							2.5	97.5
db file sequential read	1.6M						.0	1.1	98.9
db file single write	56							28.6	71.4
direct path read	953.9K		.0	.1	.4	1.2	4.8	15.0	78.6
direct path sync	196				6.6	71.9	20.9	.5	
direct path write	223.2K		.0	.5	1.1	1.9	2.7	14.5	79.3
direct path write temp	521					.6	4.6	12.3	82.5
enq: CF - contention	880				.2	.3	.9	7.5	91.0
enq: CO - master slave det	60							6.7	93.3
enq: CR - block range reuse ckpt	385						2.9	14.5	82.6
enq: DR - contention	2								100.0
enq: FB - contention	31.2K				.0	.1	.6	10.7	88.6
enq: HW - contention	635				.2		.2	.3	99.4
enq: JG - queue lock	1								100.0
enq: JS - job run lock - synchronize	3								100.0
enq: KI - contention	210						4.8	18.1	77.1
enq: KO - fast object checkpoint	44							9.1	90.9
enq: MW - contention	2							50.0	50.0
enq: PD - contention	1								100.0
enq: PS - contention	632						.2	11.6	88.3
enq: PV - syncstart	1								100.0
enq: PW - flush prewarm buffers	152							2.6	97.4
enq: RO - fast object reuse	739						.8	11.6	87.6
enq: RS - prevent aging list update	2							50.0	50.0
enq: RS - prevent file delete	1								100.0
enq: RS - read alert level	2								100.0
enq: RS - write alert level	2								100.0
enq: SM - contention	12							8.3	91.7
enq: SQ - contention	60.7K			.0	.0	.0	.0	.4	99.6
enq: SV - contention	31.7K		.1	1.1	1.4	.6	.6	1.4	94.8
enq: TA - contention	12							25.0	75.0
enq: TD - KTF dump entries	7								100.0
enq: TK - Auto Task Serialization	6								100.0
enq: TK - Auto Task Slave Lockout	1								100.0
enq: TM - contention	12								100.0
enq: TO - contention	18							11.1	88.9
enq: TX - allocate ITL entry	41.7K						.0	.0	100.0
enq: TX - contention	445						.2	2.7	97.1
enq: TX - index contention	517.8K		.0	.0	.0	.1	.9	3.8	95.1
enq: TX - row lock contention	2.6M	.0	.0	.0	.1	.0	.6	3.7	95.6
enq: US - contention	1557							.1	99.9
enq: WF - contention	84						4.8	13.1	82.1
enq: WL - contention	10							10.0	90.0
enq: XR - database force logging	1158						.5	13.8	85.7
gc buffer busy acquire	3058	.0	.2	.8	1.1	.8	1.7	6.0	89.4
gc buffer busy release	14				7.1		14.3	7.1	71.4
gc cr block 2-way	4944					.4	38.3	18.8	42.6
gc cr block busy	32								100.0
gc cr grant 2-way	1776				.1	20.2	25.5	16.0	38.2
gc cr grant busy	11						18.2	45.5	36.4
gc cr multi block grant	407					1.0	14.3	37.8	46.9
gc cr multi block mixed	420						8.1	21.7	70.2
gc current block 2-way	4796					.2	26.6	22.7	50.5
gc current block busy	23.5K					.2	6.0	29.0	64.8
gc current grant 2-way	228.1K			.0	.0	2.5	26.1	19.7	51.8
gc current grant busy	18.1K				.0	1.2	3.4	10.2	85.2
gc current grant congested	10								100.0
gc current grant read-mostly invalidation	815.6K			.0	.0	.0	.5	18.4	81.1
gc current multi block request	5800						.1	10.8	89.1
gc current retry	1							100.0	

gc quiesce	2					50.0		50.0	
gcs drm freeze in enter server mode	37							100.0	
gcs log flush sync	10.5K	27.9	2.1	.7	2.3	9.3	4.4	5.2	48.1
gcs remastering wait for read latch	145	1.4	.7		.7	1.4	1.4	2.1	92.4
gcs resource directory to be unfrozen	1				100.0				
ges DFS hang analysis phase 2 acks	1								100.0
ges LMD suspend for testing event	112	19.6	2.7		14.3	11.6		1.8	50.0
ges enter server mode	16.8M	1.7	10.3	52.2	33.4	1.9	.2	.1	.2
ges inquiry response	145							4.8	95.2
ges ipc enter server mode	82.4K	99.2	.3	.3	.2	.0	.0		.0
ges lms sync during dynamic remastering and reconfig	529							.6	99.4
ges message buffer allocation	5	40.0		20.0					40.0
ges resource directory to be unfrozen	9141	98.3	.4	.9	.4				.0
ges2 LMON to wake up LMD - mrcvr	134	14.2	9.7	5.2	4.5	5.2	11.2	15.7	34.3
get branch/thread/sequence enqueue	45			2.2	42.2	35.6	11.1	8.9	
global enqueue expand wait	51.6K	.1	5.6	28.7	24.9	7.3	5.9	7.9	19.7
kfk: async disk IO	112							17.0	83.0
ksxr poll remote instances	10.2K	37.6	29.6	21.6	8.7	1.8	.4	.1	.1
latch free	260.2K	4.4	1.8	1.5	4.2	4.6	6.4	8.8	68.2
latch: MGA heap latch	42		2.4	11.9	7.1	4.8	11.9	19.0	42.9
latch: MGA shared context latch	811	.1	.2	.4	.5	1.2	2.8	9.1	85.6
latch: MGA shared context root latch	1672					.2	.4	2.2	97.2
latch: active service list	115	3.5	3.5	6.1	8.7	7.0	9.6	18.3	43.5
latch: cache buffer handles	11	9.1				18.2	9.1		63.6
latch: cache buffers chains	1.5M	8.6	3.0	3.7	8.3	4.9	7.0	10.4	54.1
latch: cache buffers lru chain	17.5K	2.0	1.5	.9	2.7	3.7	5.6	10.1	73.4
latch: call allocation	3772	.8	.3	.6	1.3	1.4	2.5	5.0	88.1
latch: checkpoint queue latch	1565	2.2	.6	.7	3.2	4.9	5.4	9.6	73.4
latch: enqueue hash chains	54.3K	.8	.6	.8	2.2	1.8	2.2	3.3	88.1
latch: gc element	945	6.7	3.2	2.6	9.9	13.0	8.6	7.9	48.0
latch: gcs resource hash	533	2.4	5.8	5.1	16.3	25.0	10.9	7.5	27.0
latch: ges resource hash list	4.8M	1.3	1.6	1.2	1.2	.6	.7	1.1	92.2
latch: kjci process context latch	240	10.4	3.3	3.8	9.6	6.7	10.8	16.3	39.2
latch: messages	3434	2.9	4.4	1.7	4.6	5.7	6.8	9.2	64.6
latch: object queue header operation	1391	1.6	.4	.4	1.4	2.6	4.0	5.9	83.7
latch: parallel query alloc buffer	7		14.3	14.3			14.3	14.3	42.9
latch: redo allocation	86.6K	5.5	2.0	1.0	4.5	5.9	7.1	11.4	62.5
latch: redo copy	36								100.0
latch: redo writing	36.1K	.7	.2	.2	.8	1.5	2.5	5.4	88.5
latch: session allocation	26			3.8	15.4	3.8	11.5	11.5	53.8
latch: shared pool	300	5.3	3.7	2.7	6.7	5.3	7.0	9.3	60.0
latch: undo global data	1.7M	1.2	.7	.7	1.2	1.1	1.8	3.5	89.8
libcache interrupt action by LCK	128.9K	99.6	.2	.1	.0	.0	.0	.0	.0
library cache load lock	17				5.9	5.9	5.9	47.1	35.3
library cache lock	125							1.6	98.4
library cache pin	23						8.7	30.4	60.9
library cache: bucket mutex X	86.5K	.1	4.6	18.2	11.6	3.7	6.1	8.8	46.9
library cache: mutex X	29M	.2	5.5	20.2	12.2	3.5	5.7	8.4	44.2
lock escalate retry	46	2.2	30.4	43.5	10.9		2.2	2.2	8.7
log file parallel write	4M							1.5	98.5
log file sequential read	26.4K	.2	.1	.1	.1	.0	.1	.2	99.3
log file single write	80							36.3	63.8
log file switch completion	12.3K								100.0
log file sync	4.8M			.0	.0	.0	.0	.0	100.0
log switch/archive	3								100.0
name-service call wait	119		8.4	40.3	.8			.8	49.6
oracle thread bootstrap	168				1.8	3.0			95.2
oradebug request completion	95								100.0
os thread creation	168								100.0
process diagnostic dump	67								100.0
process terminate	14								100.0
rdbms ipc reply	263			.8	1.5	.4	2.3	4.9	90.1
read by other session	2956		.0	.0	.1	.4	1.8	6.6	91.0
recovery area: computing backed up files	8								100.0
recovery area: computing dropped files	8								100.0
recovery area: computing obsolete files	8								100.0
redo log switch request completion	1								100.0
reliable message	3453			.0	.0		.1	3.9	95.9
resmgr:internal state change	751	1.3							98.7
row cache lock	27.4K			.0	.0		.0	.3	99.7
row cache mutex	1370	.1	1.8	8.5	5.4	2.4	5.6	7.7	68.5

row cache read	2			50.0				50.0	
transaction	47K			.0	15.7	77.0	6.8	.4	.2
undo_retention publish retry	12	83.3	16.7						
wait for scn ack	1								100.0
wait list latch free	16.3K								100.0
write complete waits	79						1.3	1.3	97.5
AQPC idle	120								100.0
ASM background timer	30.5K					.1	.3	1.0	98.7
ASM cluster membership changes	2046								100.0
DIAG idle wait	104.8K		.0	.0	.9	9.0	36.1	10.2	43.8
Data Guard: Gap Manager	59								100.0
Data Guard: Timer	138		.7						99.3
EMON slave idle wait	3580								100.0
GCR sleep	22.3K	.1	.0					.0	99.9
LGWR worker group idle	1.2M	.4	.0	.4	3.0	5.8	10.8	19.0	60.7
LMS CR slave timer	6.2M				.0	.0	.0	.0	100.0
OFS idle	1193								100.0
PING	2182		.3	1.6	8.2	27.2	12.4	4.2	46.2
PL/SQL lock timer	59								100.0
PX Deq Credit: need buffer	1612		.6	1.7	2.0	3.2	8.2	17.4	66.9
PX Deq Credit: send blkd	4932	.0	.9	5.6	10.6	10.6	5.8	8.3	58.1
PX Deq: Execute Reply	12.3K	.8	11.8	25.3	12.7	1.9	1.7	2.8	43.1
PX Deq: Execution Msg	5089		.1	.6	1.6	2.3	3.3	7.9	84.2
PX Deq: Msg Fragment	1596	.4	9.2	26.1	14.2	2.7	7.0	6.4	34.0
PX Deq: Parse Reply	1185	.6	6.7	13.7	4.6	1.1	1.6	4.5	67.3
PX Deq: Table Q Normal	5631		.4	1.0	.5	.1	.1	.2	97.8
PX Deq: Table Q Sample	112								100.0
PX Idle Wait	789		.4	.8	.5			.6	97.7
REPL Capture/Apply: RAC AQ qmn coordinator	61								100.0
RMA: IPC0 completion sync	3962	57.5	31.6	8.3	.8	.4	.3	1.1	
SCM slave idle	35.8K		.0						100.0
SQL*Net message from client	774.5M		.0	.0	.0	.0	.1	3.2	96.7
Space Manager: slave idle wait	74.9K	.0	.0	.0	.0	.0	.0	.0	99.9
Streams AQ: emn coordinator idle wait	358								100.0
Streams AQ: qmn coordinator idle wait	263	1.1					5.7	14.4	78.7
Streams AQ: qmn slave idle wait	133	2.3							97.7
class slave wait	48.5K	.2	.0	.1	.6	.8	1.5	2.9	93.9
gcs remote message	8.4M	13.9	2.7	1.2	4.9	26.4	7.3	.9	42.7
gcs yield cpu	7.4M	67.7	2.0	.5	.1	.1	.2	.2	29.2
ges remote message	3.3M	34.9	9.0	1.1	.7	1.8	3.6	7.2	41.7
heartbeat monitor sleep	1776	98.3	.1	.1		.1	.1		1.5
heartbeat redo informer	39.6K								100.0
jobq slave wait	342								100.0
lreg timer	3577								100.0
pman timer	1194								100.0
pmon timer	8492	.8	.2	.0					99.0
rdbms ipc message	831.1K	12.0	1.0	.4	1.3	3.4	7.2	13.5	61.2
smon timer	13	7.7							92.3
wait for unread message on broadcast channel	7622						.0	.2	99.8
watchdog main loop	23.9K								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)

Event	Waits	% of Total Waits							
		1us - 64us	<1us	<2us	<4us	<8us	<16us	<32us	<64us >=64us
ADR file lock	10						5.0	25.0	20.0 50.0
AQ: RAC AQ Network	35.4K					1.9	26.0	66.7	4.7 .6
ASM IO for non-blocking poll	3.3M	.3	2.2	2.6	4.2	18.1	45.0	20.5	7.1
ASM background starting	19	5.3	26.3	57.9	10.5				
ASM file metadata operation	27.4K	7.3	21.1	17.0	13.0	2.1	7.5	6.4	25.6
AWR Flush	41				4.8	26.2	35.7	31.0	2.4
CGS wait for IPC msg	101.8K	.3	5.2	34.3	24.4	9.8	23.4	1.9	.6

CSS initialization	122				.6	7.2	26.0	66.3	
CSS operation: action	26			.2	3.7	2.5		93.6	
CSS operation: query	857	2.5	4.2	8.7	6.2	20.3	29.8	13.9	14.5
DLM cross inst call completion	125.6K			.0	.0	5.1	27.3	16.9	50.6
Disk file operations I/O	326.4K	.0	.0	.0	.1	1.8	21.0	50.7	26.4
GCR CSS group query	30			3.3	26.7	66.7	3.3		
GCR CSS group update	30			10.0	83.3	6.7			
IMR slave acknowledgement msg	744			.4	.3	.2	1.0	5.1	93.1
IPC group service call	20.8K		.0	.0	.1	2.1	35.3	51.7	10.8
IPC send completion sync	3575					19.3	59.0	4.3	17.4
KJC: Wait for msg sends to complete	2046				.0		.0	7.8	92.2
KSV master wait	2425		.7	7.3	3.8	11.0	1.8	.4	75.0
LGWR any worker group	5232	.0	.0	.0	.0	.0	.0	.4	99.5
LGWR intra group IO completion	12.6K	.0	.0	.0	.0	.0	.2	1.3	98.5
LGWR intra group sync	10.2K	.0	.0	.0	.0	.0	.0	.4	99.6
LGWR wait for redo copy	2078	.1	.4	.2	.1	.0	.2	2.3	96.7
LGWR worker group ordering	11.8K	.1	.1	.0	.0	.0	.5	2.2	97.1
PGA memory operation	2.7M		.0	.0	.4	11.3	40.6	32.0	15.7
PX Deq Credit: free buffer	8					25.0	37.5	37.5	
PX Deq: Join ACK	187				.2	3.2	6.6	5.8	84.2
PX Deq: Signal ACK EXT	711				.2	2.9	19.0	38.0	40.0
PX Deq: Slave Session Stats	938			.1	.6	8.8	23.7	14.4	52.5
PX Deq: reap credit	103.7K	.0	.8	8.0	25.7	32.1	28.6	3.0	1.7
PX qref latch	213.4K	6.7	67.2	21.5	3.0	.7	.3	.1	.5
Redo Transport Open	20		35.0	65.0					
SQL*Net break/reset to client	19K		.0	1.5	17.8	18.7	7.6	4.1	50.3
SQL*Net message to client	764.7M	.0	.0	.0	3.0	22.5	53.1	20.1	1.2
SQL*Net more data from client	224.6K					.1	5.7	17.9	76.3
SQL*Net more data to client	87.3M			.0	.0	.6	12.4	67.1	19.8
Sync ASM rebalance	4269				.0	2.5	22.1	22.2	53.1
asynch descriptor resize	1724		1.9	33.3	29.1	28.0	7.2	.4	.2
buffer busy waits	1.6M		.0	.0	.1	3.0	15.3	10.8	70.8
buffer deadlock	9448				.0	3.8	23.1	17.7	55.5
cursor: mutex X	2637			.0	2.3	19.1	39.9	13.7	24.8
db file async I/O submit	3.4M	30.0	19.0	.7	.2	.0	.0	5.2	44.8
db file parallel write	116.9K				.0	1.1	1.8	.8	96.4
direct path read	4495					.0	.1	.4	99.5
direct path sync	13							6.6	93.4
direct path write	3633					.0	.5	1.1	98.4
enq: CF - contention	2							.2	99.8
enq: FB - contention	8							.0	100.0
enq: HW - contention	1							.2	99.8
enq: SQ - contention	8						.0	.0	100.0
enq: SV - contention	826					.1	1.1	1.4	97.4
enq: TX - index contention	237					.0	.0	.0	100.0
enq: TX - row lock contention	2461				.0	.0	.0	.1	99.9
gc buffer busy acquire	67				.0	.2	.8	1.1	97.8
gc buffer busy release	1							7.1	92.9
gc cr grant 2-way	1							.1	99.9
gc current grant 2-way	41						.0	.0	100.0
gc current grant busy	5							.0	100.0
gc current grant read-mostly invalidation	154						.0	.0	100.0
gcs log flush sync	3458		.2	13.7	14.0	2.1	.7	2.3	67.0
gcs remastering wait for read latch	4			.7	.7	.7		.7	97.2
gcs resource directory to be unfrozen	1							100.0	
ges LMD suspend for testing event	41		1.8	3.6	14.3	2.7		14.3	63.4
ges enter server mode	16.4M	.5	.2	.1	.9	10.3	52.2	33.4	2.4
ges ipc enter server mode	82.4K	30.1	54.5	12.7	1.9	.3	.3	.2	.0
ges message buffer allocation	3				40.0		20.0		40.0
ges resource directory to be unfrozen	9140	18.7	66.9	11.4	1.3	.4	.9	.4	.0
ges2 LMON to wake up LMD - mrcvr	45			3.7	10.4	9.7	5.2	4.5	66.4
get branch/thread/sequence enqueue	20						2.2	42.2	55.6
global enqueue expand wait	30.6K				.1	5.6	28.7	24.9	40.7
ksxr poll remote instances	9916		.8	12.3	24.5	29.6	21.6	8.7	2.4
latch free	31.1K	.0	.0	.6	3.8	1.8	1.5	4.2	88.0
latch: MGA heap latch	9					2.4	11.9	7.1	78.6
latch: MGA shared context latch	10				.1	.2	.4	.5	98.8
latch: active service list	25				3.5	3.5	6.1	8.7	78.3
latch: cache buffer handles	1			9.1					90.9
latch: cache buffers chains	360.8K	.0	.0	1.4	7.2	3.0	3.7	8.3	76.4
latch: cache buffers lru chain	1260		.0	.2	1.8	1.5	.9	2.7	92.8

latch: call allocation	110			.2	.6	.3	.6	1.3	97.1
latch: checkpoint queue latch	104			.1	2.0	.6	.7	3.2	93.4
latch: enqueue hash chains	2439		.0	.1	.7	.6	.8	2.2	95.5
latch: gc element	212			.4	6.2	3.2	2.6	9.9	77.6
latch: gcs resource hash	158				2.4	5.8	5.1	16.3	70.4
latch: ges resource hash list	258.6K	.0	.0	.3	1.0	1.6	1.2	1.2	94.7
latch: kjci process context latch	65			.8	9.6	3.3	3.8	9.6	72.9
latch: messages	471			.5	2.4	4.4	1.7	4.6	86.3
latch: object queue header operation	54			.3	1.3	.4	.4	1.4	96.1
latch: parallel query alloc buffer	2					14.3	14.3		71.4
latch: redo allocation	11.3K		.0	.2	5.3	2.0	1.0	4.5	87.0
latch: redo writing	719			.0	.7	.2	.2	.8	98.0
latch: session allocation	5						3.8	15.4	80.8
latch: shared pool	55		.3	1.7	3.3	3.7	2.7	6.7	81.7
latch: undo global data	65.3K		.0	.1	1.1	.7	.7	1.2	96.2
libcache interrupt action by LCK	128.9K	35.6	46.6	15.7	1.7	.2	.1	.0	.0
library cache load lock	1							5.9	94.1
library cache: bucket mutex X	29.8K			.0	.1	4.6	18.2	11.6	65.6
library cache: mutex X	11.1M		.0	.0	.2	5.5	20.2	12.2	61.9
lock escalate retry	40				2.2	30.4	43.5	10.9	13.0
log file sequential read	113		.0	.1	.1	.1	.1	.1	99.6
log file sync	24						.0	.0	100.0
name-service call wait	59					8.4	40.3	.8	50.4
oracle thread bootstrap	3							1.8	98.2
rdbms ipc reply	6						.8	1.5	97.7
read by other session	5					.0	.0	.1	99.8
reliable message	2						.0	.0	99.9
resmgr:internal state change	10				1.3				98.7
row cache lock	2						.0	.0	100.0
row cache mutex	215				.1	1.8	8.5	5.4	84.3
row cache read	1						50.0		50.0
transaction	7373						.0	15.7	84.3
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)

Event	Waits	% of Total Waits							
		1ms to 32ms	<512us	<1ms	<2ms	<4ms	<8ms	<16ms	<32ms >=32ms
ADR block file read	9				10.0	60.0	10.0	10.0	10.0
ADR block file write	10				20.0	70.0		10.0	
ADR file lock	1	95.0			5.0				
AQ: RAC AQ Network	10	100.0	.0	.0		.0	.0	.0	.0
ASM IO for non-blocking poll	18K	99.5	.2	.2	.1	.0	.0	.0	.0
ASM file metadata operation	3509	89.2	2.2	.7	.9	1.7	2.0	2.0	1.2
AWR Flush	1	97.6			2.4				
CGS wait for IPC msg	19	100.0	.0	.0	.0	.0			
CSS group membership query	29	58.6	10.0	17.1	8.6	4.3	1.4		
CSS group registration	12						85.7		14.3
CSS initialization	200	38.1			.3	13.8	27.6	13.5	6.6
CSS operation: action	379	6.4	15.2	40.4	23.0	10.0	3.4	.7	.7
CSS operation: data query	97	42.9	18.8	18.8	16.5	2.9			
CSS operation: data update	30		36.7	63.3					
CSS operation: query	139	86.1		6.1	5.0	1.8	.6	.4	
DFS lock handle	1563	30.4	27.3	23.3	11.0	5.1	2.3	.4	.2
DLM cross inst call completion	120.2K	52.4	8.5	13.1	13.4	8.3	3.2	.8	.4
Data file init write	1617	.1	.2	26.7	48.0	15.7	8.1	.9	.3
Disk file operations I/O	12.4K	97.2	1.1	.7	.7	.3	.1	.0	.0
IMR slave acknowledgement msg	6949	35.2	24.1	24.6	10.4	3.8	1.8	.1	.1
IPC group service call	41	99.8	.1	.0	.0	.0	.0	.0	.0
IPC send completion sync	251	94.2	2.3	1.7	.9	.6	.3	.0	
KJC: Wait for msg sends to complete	1349	94.8	1.3	1.2	1.2	1.0	.4	.0	
KSV master wait	4459	49.3	11.6	7.6	5.3	7.2	7.0	7.2	4.7

LGWR all worker groups	622	1.0	4.1	10.8	37.5	31.3	13.2	1.9	.3
LGWR any worker group	1M	9.9	13.4	29.0	31.5	11.6	4.0	.5	.1
LGWR intra group IO completion	656.8K	23.4	21.7	26.2	16.8	7.8	3.5	.5	.1
LGWR intra group sync	2.2M	17.3	17.3	24.0	21.6	12.5	6.0	1.1	.2
LGWR wait for redo copy	46.6K	24.9	18.9	22.9	16.9	9.5	4.6	1.7	.6
LGWR worker group ordering	328.5K	18.2	15.8	22.8	20.9	13.9	6.9	1.3	.3
Log archive I/O	20		3.8	30.8	34.6	7.7			23.1
PGA memory operation	177.6K	94.4	5.0	.3	.1	.1	.0	.0	.0
PX Deq: Join ACK	867	24.7	5.4	18.8	23.0	13.6	8.3	4.1	2.1
PX Deq: Signal ACK EXT	176	84.1	4.1	3.5	3.0	1.9	1.5	.9	1.0
PX Deq: Slave Session Stats	706	61.7	5.9	8.6	7.5	7.9	4.3	1.6	2.6
PX Deq: Table Q Get Keys	6		2.0	2.0		1.0		1.0	93.9
PX Deq: reap credit	331	99.7	.1	.1	.1	.0	.0	.0	.0
PX qref latch	695	99.7	.1	.1	.1	.0	.0	.0	.0
RMAN backup & recovery I/O	749	.8	36.1	36.4	16.2	5.9	2.6	.8	1.2
SQL*Net break/reset to client	11K	50.6	2.7	4.5	1.6	.5	.3	19.2	20.6
SQL*Net message to client	396.7K	99.9	.0	.0	.0	.0	.0	.0	.0
SQL*Net more data from client	525.5K	44.3	29.2	16.8	6.6	2.0	.7	.1	.3
SQL*Net more data to client	247.3K	99.8	.1	.1	.0	.0	.0	.0	.0
Sync ASM rebalance	3976	50.0	.7	1.4	.7	4.2	15.8	20.8	6.4
asynch descriptor resize	1	99.9		.1					
buffer busy waits	2.6M	38.5	5.2	6.3	6.4	7.2	10.5	13.5	12.3
buffer deadlock	7681	63.2	9.3	9.4	7.5	5.3	3.3	1.6	.6
control file parallel write	3691	5.6	23.1	30.3	19.5	11.0	7.3	2.2	1.0
control file sequential read	153.8K	37.4	29.9	20.0	7.9	3.1	1.3	.3	.1
cursor: mutex S	49			59.2	20.4	10.2	10.2		
cursor: mutex X	595	82.6	3.3	4.6	3.2	2.0	2.7	1.2	.5
cursor: pin S	309K		.0	73.1	17.2	6.0	2.5	.7	.4
datafile move cleanup during resize	1	98.2	1.8						
db file async I/O submit	116.3K	98.1	.8	.6	.3	.1	.0	.0	.0
db file parallel read	159		1.8	17.6	31.8	5.9	22.4	14.1	6.5
db file parallel write	2.5M	21.4	31.6	26.2	13.0	5.5	1.9	.3	.1
db file scattered read	942	2.5	30.8	45.1	13.7	4.9	2.2	.6	.2
db file sequential read	1.6M	1.1	33.3	37.4	17.4	7.3	2.8	.5	.1
db file single write	40	28.6	33.9	25.0	7.1	1.8	3.6		
direct path read	748.1K	21.4	25.3	22.8	19.1	7.9	2.8	.5	.1
direct path write	176.9K	20.7	28.7	26.3	13.4	7.5	3.0	.4	.1
direct path write temp	429	17.5	25.9	24.6	16.1	11.7	3.1	1.0	.2
enq: CF - contention	792	9.0	25.2	28.9	15.7	11.8	6.4	2.0	1.0
enq: CO - master slave det	56	6.7	35.0	33.3	15.0	8.3	1.7		
enq: CR - block range reuse ckpt	313	17.4	22.3	21.6	15.1	11.4	8.6	2.3	1.3
enq: DR - contention	2		50.0		50.0				
enq: FB - contention	27.5K	11.4	30.4	29.5	16.0	8.1	3.4	.8	.4
enq: HW - contention	306	.6	.8	.9	1.7	4.6	9.8	30.4	51.2
enq: JG - queue lock	1					100.0			
enq: JS - job run lock - synchronize	3			33.3	33.3		33.3		
enq: KI - contention	161	22.9	29.5	26.7	11.4	6.7	1.4	1.0	.5
enq: KO - fast object checkpoint	26	9.1	15.9	20.5	18.2	4.5			31.8
enq: MW - contention	1	50.0			50.0				
enq: PD - contention	1					100.0			
enq: PS - contention	555	11.7	39.7	27.7	9.0	7.0	4.3	.2	.5
enq: PW - flush prewarm buffers	146	2.6	20.4	25.7	26.3	11.2	8.6	3.9	1.3
enq: RO - fast object reuse	624	12.4	19.1	17.5	11.4	15.3	14.7	6.5	3.1
enq: RS - prevent aging list update	1	50.0			50.0				
enq: RS - prevent file delete	1						100.0		
enq: RS - read alert level	2			100.0					
enq: RS - write alert level	2		100.0						
enq: SM - contention	11	8.3	33.3	8.3	41.7	8.3			
enq: SQ - contention	57.4K	.4	2.3	8.0	20.0	35.5	22.9	5.9	5.0
enq: SV - contention	27.7K	5.2	3.0	7.0	17.6	30.7	21.1	7.8	7.5
enq: TA - contention	9	25.0	33.3		33.3		8.3		
enq: TD - KTF dump entries	7		42.9	28.6	28.6				
enq: TK - Auto Task Serialization	6		33.3	16.7	33.3		16.7		
enq: TK - Auto Task Slave Lockout	1				100.0				
enq: TM - contention	7		16.7	33.3	8.3				41.7
enq: TO - contention	16	11.1	33.3	27.8	11.1	5.6	11.1		
enq: TX - allocate ITL entry	836	.0	.0	.0	.1	.3	.5	1.1	98.0
enq: TX - contention	301	2.9	6.1	14.2	8.8	11.5	11.7	15.5	29.4
enq: TX - index contention	448.7K	4.9	8.1	13.2	20.0	22.3	15.6	7.4	8.5
enq: TX - row lock contention	1.2M	4.4	5.4	4.3	4.3	6.0	10.3	15.7	49.7
enq: US - contention	199	.1	1.6	1.5	.5	.4	.5	8.2	87.2

enq: WF - contention	69	17.9	47.6	23.8	4.8	4.8	1.2		
enq: WL - contention	8	10.0	20.0	40.0	10.0	10.0			10.0
enq: XR - database force logging	979	14.3	27.9	23.4	14.6	11.2	6.1	1.3	1.1
gc buffer busy acquire	2242	10.6	11.4	18.2	15.4	12.0	8.9	7.5	16.1
gc buffer busy release	10	28.6	7.1	14.3	14.3	35.7			
gc cr block 2-way	2099	57.4	16.8	13.8	7.0	3.2	1.4	.3	.1
gc cr block busy	32		18.8	43.8	15.6	6.3	9.4	6.3	
gc cr grant 2-way	674	61.8	15.4	11.8	6.3	3.0	1.0	.6	.3
gc cr grant busy	4	63.6	9.1	18.2	9.1				
gc cr multi block grant	187	53.1	20.9	11.1	8.6	2.5	1.2	1.7	1.0
gc cr multi block mixed	287	29.8	23.1	24.8	13.6	5.5	1.2	.2	1.9
gc current block 2-way	2415	49.5	19.7	16.2	8.9	3.6	1.6	.3	.1
gc current block busy	15.2K	35.2	26.5	20.0	10.7	4.8	2.1	.6	.3
gc current grant 2-way	116.2K	48.2	20.0	15.8	8.9	4.0	1.6	.5	.8
gc current grant busy	15.2K	14.8	42.2	22.7	10.2	4.1	2.1	2.6	1.3
gc current grant congested	8			20.0	10.0	10.0	20.0	20.0	20.0
gc current grant read-mostly invalidation	653.1K	18.9	40.0	21.9	10.5	4.5	1.9	1.3	1.0
gc current multi block request	5141	10.9	35.8	26.3	14.2	6.7	3.4	2.2	.5
gc quiesce	1	50.0					50.0		
gcs log flush sync	5036	51.9	6.8	12.3	13.9	9.1	4.9	1.1	
gcs remastering wait for read latch	76	7.6	2.1	2.8	3.4	3.4	37.2	3.4	40.0
ges DFS hang analysis phase 2 acks	1							100.0	
ges LMD suspend for testing event	35	50.0	1.8	4.5	2.7	6.3	4.5	11.6	18.8
ges enter server mode	37.8K	99.8	.1	.1	.0	.0	.0	.0	.0
ges inquiry response	135	4.8	15.9	29.7	26.2	15.9	2.8	2.8	2.1
ges ipc enter server mode	2	100.0	.0	.0					
ges lms sync during dynamic remastering and reconfig	89	.6	.2	.8	.2	2.3	5.3	8.1	82.6
ges message buffer allocation	2	60.0					40.0		
ges resource directory to be unfrozen	1	100.0	.0						
ges2 LMON to wake up LMD - mrcvr	46	65.7	17.2	6.7	6.7	3.0	.7		
global enqueue expand wait	10.1K	80.3	7.2	5.6	3.4	1.8	.9	.4	.2
kfk: async disk IO	93	17.0	42.0	24.1	5.4	8.0	3.6		
ksxr poll remote instances	15	99.9	.0	.1	.0	.0	.0	.0	
latch free	165.8K	31.8	11.2	13.1	12.6	10.3	9.6	6.8	4.5
latch: MGA heap latch	18	57.1	11.9	16.7	2.4	11.9			
latch: MGA shared context latch	672	14.4	15.0	19.4	18.6	13.8	9.5	6.5	2.7
latch: MGA shared context root latch	1477	2.8	4.5	7.4	23.7	25.4	16.7	10.6	8.9
latch: active service list	44	56.5	15.7	10.4	5.2	3.5	2.6	.9	5.2
latch: cache buffer handles	7	36.4		9.1	9.1		9.1	36.4	
latch: cache buffers chains	800.9K	45.9	12.0	12.8	10.9	8.1	5.6	3.0	1.7
latch: cache buffers lru chain	12.5K	26.6	14.3	19.1	17.8	11.5	6.1	2.8	1.7
latch: call allocation	3070	11.9	9.0	15.7	18.8	15.0	13.6	9.3	6.7
latch: checkpoint queue latch	1119	26.6	15.5	17.9	17.0	11.6	6.6	2.9	1.9
latch: enqueue hash chains	40.2K	11.9	5.2	8.6	12.3	14.6	17.5	15.8	14.2
latch: gc element	435	52.0	9.1	10.8	11.1	6.3	4.8	3.9	2.0
latch: gcs resource hash	142	73.0	6.9	7.7	6.0	3.0	1.5	1.5	.4
latch: ges resource hash list	770.2K	7.8	1.4	1.8	2.3	2.5	3.1	4.8	76.3
latch: kjci process context latch	93	60.8	14.6	12.5	7.1	3.8	.4	.4	.4
latch: messages	2170	35.4	11.6	13.9	13.7	10.0	9.1	4.9	1.4
latch: object queue header operation	1069	16.3	10.7	13.7	16.8	13.4	13.2	9.1	6.8
latch: parallel query alloc buffer	3	57.1		14.3	28.6				
latch: redo allocation	53.3K	37.5	14.3	16.6	13.8	9.2	5.5	2.1	1.0
latch: redo copy	34					11.1	16.7	66.7	5.6
latch: redo writing	31.4K	11.5	9.5	16.9	22.3	19.9	14.0	4.4	1.4
latch: session allocation	14	46.2	26.9	15.4	7.7			3.8	
latch: shared pool	162	40.0	11.7	15.0	13.3	8.0	4.3	1.7	6.0
latch: undo global data	1.4M	10.2	5.7	9.5	13.6	17.4	19.0	15.5	9.1
libcache interrupt action by LCK	8	100.0	.0	.0	.0	.0	.0		
library cache load lock	6	64.7	29.4	5.9					
library cache lock	84	1.6	4.8	7.2	10.4	9.6	17.6	17.6	31.2
library cache pin	13	39.1	8.7	17.4	21.7	4.3		4.3	4.3
library cache: bucket mutex X	39.7K	53.1	8.9	8.7	7.8	6.0	12.2	2.4	1.0
library cache: mutex X	12.6M	55.8	9.1	9.4	8.1	5.9	8.3	2.5	.8
lock escalate retry	4	91.3		2.2	2.2		2.2	2.2	
log file parallel write	4M	1.5	26.7	46.1	17.7	5.6	2.1	.2	.1
log file sequential read	26K	.7	.6	1.1	38.6	46.9	9.5	2.0	.5
log file single write	51	36.3	35.0	18.8	8.8		1.3		
log file switch completion	2069			.0	.3	1.3	4.5	10.7	83.2
log file sync	4.7M	.0	.1	1.0	11.9	35.7	34.5	13.6	3.2
name-service call wait	59	50.4	5.9	13.4	9.2	12.6	6.7	1.7	
oracle thread bootstrap	4	4.8				.6		1.8	92.9

oradebug request completion	53				4.2	24.2	16.8	10.5	44.2
os thread creation	134						18.5	61.3	20.2
rdbms ipc reply	237	9.9	7.6	16.3	27.8	24.3	11.8	2.3	
read by other session	2644	9.0	16.2	27.9	22.9	14.0	6.3	2.2	1.6
recovery area: computing backed up files	2							25.0	75.0
recovery area: computing dropped files	6					12.5	37.5	25.0	25.0
reliable message	3135	4.1	10.2	23.7	25.4	16.4	11.3	3.9	5.2
row cache lock	277K	.3	10.5	36.9	31.2	11.3	6.2	2.5	1.1
row cache mutex	924	31.5	11.9	12.9	12.9	9.2	15.9	4.6	1.1
row cache read	1	50.0			50.0				
transaction	104	99.8	.1	.1	.0	.0	.0	.0	.0
wait list latch free	16.1K		.0	64.5	19.6	8.8	4.3	1.9	.8
write complete waits	66	2.5	11.4	19.0	17.7	7.6	11.4	16.5	13.9

[Back to Wait Events Statistics](#)
[Back to Top](#)

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)

Event	Waits 64ms to 2s	% of Total Waits							
		<32ms	<64ms	<1/8s	<1/4s	<1/2s	<1s	<2s	>=2s
ADR block file read	1	90.0	10.0						
AQ: RAC AQ Network	2	100.0		.0	.0				
ASM IO for non-blocking poll	47	100.0	.0	.0	.0				
ASM file metadata operation	450	98.8	.9	.2	.1	.1	.0	.0	
CSS group registration	2	85.7	14.3						
CSS initialization	24	93.4	4.4	2.2					
CSS operation: action	3	99.3	.7						
DFS lock handle	5	99.8	.2	.0					
DLM cross inst call completion	932	99.6	.2	.1	.0	.0	.0		
Data file init write	5	99.7	.1	.2					
Disk file operations I/O	113	100.0	.0	.0	.0	.0	.0	.0	
Failed Logon Delay	7584						100.0	.0	
IMR slave acknowledgement msg	7	99.9	.1				.0		
IPC group service call	1	100.0		.0					
KSV master wait	460	95.3	3.9	.6	.1	.1	.0	.0	
LGWR all worker groups	2	99.7	.2	.2					
LGWR any worker group	1317	99.9	.1	.0	.0	.0			
LGWR intra group IO completion	774	99.9	.1	.0	.0	.0			
LGWR intra group sync	5189	99.8	.2	.0	.0	.0			
LGWR wait for redo copy	396	99.4	.5	.1	.0	.0			
LGWR worker group ordering	1139	99.7	.2	.0	.0	.0			
Log archive I/O	6	76.9	11.5			3.8		7.7	
PGA memory operation	149	100.0	.0	.0	.0	.0			
PX Deq: Join ACK	25	97.9	1.3	.7	.2				
PX Deq: Signal ACK EXT	12	99.0	.8	.3					
PX Deq: Slave Session Stats	51	97.4	1.4	.4	.2	.6			
PX Deq: Table Q Get Keys	11	6.1		2.0	2.0			7.1	82.7
PX Deq: reap credit	9	100.0	.0						
PX qref latch	7	100.0	.0						
RMAN backup & recovery I/O	9	98.8	.3	.5	.3	.1			
SQL*Net break/reset to client	7886	79.4	20.5	.1	.0	.0	.0	.0	.0
SQL*Net message to client	739	100.0	.0	.0	.0	.0	.0		
SQL*Net more data from client	2407	99.7	.0	.0	.2	.0	.0		
SQL*Net more data to client	328	100.0	.0	.0	.0	.0		.0	
Sync ASM rebalance	580	93.6	5.3	1.0	.1	.0			
buffer busy waits	659K	87.7	9.0	2.9	.4	.0	.0		
buffer deadlock	127	99.4	.5	.1					
control file parallel write	41	99.0	.6	.4	.0				
control file sequential read	340	99.9	.1	.0	.0	.0			
cursor: mutex X	16	99.5	.4	.1					
cursor: pin S	1349	99.6	.3	.1	.1				
db file async I/O submit	814	100.0	.0	.0	.0	.0			
db file parallel read	11	93.5	5.3	1.2					
db file parallel write	3188	99.9	.1	.0	.0	.0	.0	.0	

db file scattered read	2	99.8	.1	.1				
db file sequential read	2142	99.9	.1	.0	.0	.0	.0	.0
direct path read	1324	99.9	.1	.0	.0	.0	.0	.0
direct path write	239	99.9	.1	.0	.0	.0	.0	.0
direct path write temp	1	99.8	.2					
enq: CF - contention	9	99.0	.6	.5				
enq: CR - block range reuse ckpt	5	98.7	1.0	.3				
enq: FB - contention	127	99.6	.3	.1	.0	.0		
enq: HW - contention	325	48.8	23.5	18.6	7.9	1.3		
enq: KI - contention	1	99.5	.5					
enq: KO - fast object checkpoint	14	68.2				18.2	9.1	4.5
enq: PS - contention	3	99.5	.5					
enq: PV - syncstart	1		100.0					
enq: PW - flush prewarm buffers	2	98.7	.7	.7				
enq: RO - fast object reuse	23	96.9	1.8	.9	.3	.1		
enq: SQ - contention	3014	95.0	2.1	1.5	1.4	.0		
enq: SV - contention	2392	92.5	3.4	2.2	1.4	.5	.0	
enq: TM - contention	5	58.3	33.3	8.3				
enq: TX - allocate ITL entry	40.9K	2.0	2.5	5.5	10.1	16.9	59.4	3.6
enq: TX - contention	131	70.6	12.6	6.1	2.7	8.1		
enq: TX - index contention	43.8K	91.5	3.2	2.3	1.6	.9	.3	.1
enq: TX - row lock contention	1.3M	50.3	18.6	16.4	8.9	3.9	1.2	.4
enq: US - contention	1357	12.8	62.0	23.9	.1	.8	.4	
enq: XR - database force logging	13	98.9	1.0	.1				
gc buffer busy acquire	491	83.9	5.4	3.4	4.2	2.1	1.0	
gc cr block 2-way	7	99.9	.1	.1				
gc cr grant 2-way	5	99.7	.3					
gc cr multi block grant	4	99.0	.7	.2				
gc cr multi block mixed	8	98.1				.5	1.4	
gc current block 2-way	6	99.9	.1	.0				
gc current block busy	59	99.7	.2	.0	.0	.0	.0	
gc current grant 2-way	1914	99.2	.6	.1	.0	.0	.0	
gc current grant busy	241	98.7	.8	.3	.1	.1	.0	
gc current grant congested	2	80.0	10.0	10.0				
gc current grant read-mostly invalidation	8047	99.0	.6	.2	.1	.1	.0	.0
gc current multi block request	29	99.5	.3	.1	.0	.0	.0	
gcs drm freeze in enter server mode	25				8.1	2.7	18.9	37.8
gcs remastering wait for read latch	58	60.0			40.0			32.4
ges LMD suspend for testing event	21	81.3	8.0	4.5	6.3			
ges enter server mode	452	100.0	.0	.0	.0		.0	
ges inquiry response	3	97.9	2.1					
ges lms sync during dynamic remastering and reconfig	437	17.4	10.6	20.4	22.3	21.4	7.6	.4
global enqueue expand wait	86	99.8	.1	.0	.0			
latch free	11.7K	95.5	3.4	.9	.2	.0		
latch: MGA shared context latch	22	97.3	1.4	1.4				
latch: MGA shared context root latch	149	91.1	5.2	2.2	1.6			
latch: active service list	6	94.8	2.6	2.6				
latch: cache buffers chains	25.8K	98.3	1.3	.3	.1	.0	.0	
latch: cache buffers lru chain	303	98.3	1.2	.4	.1			
latch: call allocation	252	93.3	5.9	.8				
latch: checkpoint queue latch	30	98.1	1.4	.5				
latch: enqueue hash chains	7682	85.8	8.7	3.4	1.8	.2		
latch: gc element	19	98.0	1.3	.4	.1	.2		
latch: gcs resource hash	2	99.6			.2	.2		
latch: ges resource hash list	3.7M	23.7	13.2	35.1	25.1	2.7	.2	.0
latch: kjci process context latch	1	99.6		.4				
latch: messages	48	98.6	.9	.5				
latch: object queue header operation	95	93.2	5.4	1.2	.2	.1		
latch: redo allocation	855	99.0	.9	.1	.0	.0		
latch: redo copy	2	94.4	5.6					
latch: redo writing	518	98.6	1.2	.1	.1	.0		
latch: shared pool	18	94.0	5.7	.3				
latch: undo global data	155.5K	90.9	7.2	1.6	.2	.1	.0	
library cache lock	39	68.8	15.2	8.8	7.2			
library cache pin	1	95.7	4.3					
library cache: bucket mutex X	894	99.0	.9	.1	.0			
library cache: mutex X	240.7K	99.2	.7	.1	.0	.0	.0	.0
log file parallel write	2127	99.9	.0	.0	.0	.0		
log file sequential read	140	99.5	.4	.1	.0	.0		
log file switch completion	10.3K	16.8	42.2	40.9	.1			
log file sync	157.2K	96.8	2.4	.6	.2	.1	.0	

log switch/archive	3			100.0				
oracle thread bootstrap	156	7.1	26.8	50.6	13.7	1.2	.6	
oradebug request completion	42	55.8	15.8	11.6	5.3	1.1	8.4	2.1
os thread creation	34	79.8	16.7	1.2		1.8	.6	
process terminate	14			100.0				
read by other session	47	98.4	.7	.5	.4			.0
recovery area: computing backed up files	6	25.0	37.5	25.0	12.5			
recovery area: computing dropped files	2	75.0	12.5	12.5				
redo log switch request completion	1			100.0				
reliable message	178	94.8	2.0	1.4	1.2	.5	.1	
resmgr:internal state change	741	1.3		98.7				
row cache lock	297	98.9	.9	.1	.1	.0		
row cache mutex	15	98.9	1.0	.1				
transaction	1	100.0	.0					
wait for scn ack	1			100.0				
wait list latch free	136	99.2	.8	.0				
write complete waits	11	86.1	7.6	5.1		1.3		

[Back to Wait Events Statistics](#)
[Back to Top](#)

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)

Event	% of Total Waits								
	Waits 4s to 2m	<2s	<4s	<8s	<16s	<32s	< 1m	< 2m	>=2m
PX Deq: Table Q Get Keys	81	17.3	4.1	5.1	73.5				
SQL*Net break/reset to client	6	100.0	.0	.0	.0				
enq: TX - index contention	51	100.0	.0						
enq: TX - row lock contention	6785	99.7	.2	.0	.0	.0			
enq: WL - contention	1	90.0				10.0			
gcs drm freeze in enter server mode	12	67.6	32.4						
process diagnostic dump	67		3.0	88.1	9.0				
recovery area: computing obsolete files	8		50.0	37.5	12.5				

[Back to Wait Events Statistics](#)
[Back to Top](#)

Wait Event Histogram (up to 1 hr)

No data exists for this section of the report.

[Back to Wait Events Statistics](#)
[Back to Top](#)

Service Statistics

- ordered by DB Time

Service Name	DB Time (s)	DB CPU (s)	Physical Reads (K)	Logical Reads (K)
q05eoagent01	1,319,099	372,690	22,685	10,552,490
q05eofms01	5,619	694	0	66
q05eosrvc101	2,317	246	1	3,547
SYS\$USERS	564	288	0	11,194
SYS\$BACKGROUND	318	226	46	11,175
q05eoeoms01	141	81	0	297
oq05eodbsvc	92	56	9	3,452
q05eosrvc201	18	5	0	60
oq05eodb.world	18	3	0	0
q05eoretail01	1	1	0	1

[Back to Wait Events Statistics](#)
[Back to Top](#)

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	6284265	6102	36743652	162911	0	0	883785423	26752
q05eofms01	7188	1	509	1	0	0	26044	1
q05eosrvc101	2554	3	52798	430	0	0	431477	11
SYS\$USERS	11810	29	28	0	0	0	4452	0
SYS\$BACKGROUND	532853	95	131747	15	0	0	3015	0
q05eoeoms01	890	0	1408	4	0	0	191070	5
oq05eodbsvc	782	2	21	0	0	0	19965	1
q05eosrvc201	44	0	363	1	0	0	18742	1
oq05eodb.world	17533	21	0	0	0	0	622	0
q05eoretail01	2	0	0	0	0	0	4400	0

[Back to Wait Events Statistics](#)

[Back to Top](#)

Top 10 Channel Waits

- Top 10 Channel Waits by wait time

Channel	Waits	Total Wait Time (s)	Avg Wait
MMON remote action broadcast channel	2	0	56.77ms
kxfp remote slave spawn channel	4	1	196.94ms
RBR channel	150	3	20.55ms
obj broadcast channel	303	5	15.34ms
kxfp control signal channel	482	6	12.01ms
Result Cache: Channel	3,596	23	6.46ms

[Back to Wait Events Statistics](#)

[Back to Top](#)

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	500,884.20
	Others (foregrounds + unclassified backgrounds)	Application	212,019.44
	Others (foregrounds + unclassified backgrounds)	Concurrency	163,338.20
	Others (foregrounds + unclassified backgrounds)	Commit	55,790.32
	Others (foregrounds + unclassified backgrounds)	Configuration	29,325.92
	Others (foregrounds + unclassified backgrounds)	Network	26,756.73
LG	Log Writer Slave	Other	10,992.57
LG	Log Writer Slave	System I/O	7,978.44
	Others (foregrounds + unclassified backgrounds)	User I/O	5,620.48
LGWR	Redo etc.	Other	3,218.34
	Others (foregrounds + unclassified backgrounds)	Cluster	2,980.08
P	Parallel query slave	Other	1,197.07
P	Parallel query slave	User I/O	535.79
DBW3	db writer process 3	System I/O	517.58
DBW0	db writer process 0	System I/O	516.06
DBW2	db writer process 2	System I/O	511.75
DBW4	db writer process 4	System I/O	509.30
DBWb	db writer process 11 (b)	System I/O	506.83
DBWa	db writer process 10 (a)	System I/O	498.17
DBW1	db writer process 1	System I/O	496.98

[Back to Wait Events Statistics](#)

[Back to Top](#)

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)	373,366.08
LG	Log Writer Slave	1,694.77

DIA0	diagnosability process 0	1,036.26
LM	global cache service process	978.41
P	Parallel query slave	944.71
RS*	GCS RM Slave	774.92
VKRM	Virtual sKeduler for Resource Manager	562.29
ARC2	Archival Process 2	215.33
M	MMON slave class 1	201.25
CR*	GCS CR Slave	192.73
ARC0	Archival Process 0	169.28
LGWR	Redo etc.	146.61
LMD0	global enqueue service daemon 0	145.81
DBW0	db writer process 0	140.04
DBW1	db writer process 1	133.23
DBW4	db writer process 4	129.40
DBW5	db writer process 5	128.88
DBWa	db writer process 10 (a)	127.81
DBWb	db writer process 11 (b)	127.17
DBW3	db writer process 3	126.82

[Back to Wait Events Statistics](#)
[Back to Top](#)

SQL Statistics

- [SQL ordered by Elapsed Time](#)
- [SQL ordered by CPU Time](#)
- [SQL ordered by User I/O Wait Time](#)
- [SQL ordered by Gets](#)
- [SQL ordered by Reads](#)
- [SQL ordered by Physical Reads \(UnOptimized\)](#)
- [SQL ordered by Executions](#)
- [SQL ordered by Parse Calls](#)
- [SQL ordered by Sharable Memory](#)
- [SQL ordered by Version Count](#)
- [SQL ordered by Cluster Wait Time](#)
- [Complete List of SQL Text](#)

[Back to Top](#)

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 73.6% of Total DB Time (s): 1,330,510
- Captured PL/SQL account for 15.6% of Total DB Time (s): 1,330,510

Elapsed Time (s)	Executions	Elapsed Time per Exec (s)	%Total	%CPU	%IO	SQL Id	SQL Module	SQL Text
546,248.44	39,895,848	0.01	41.06	2.00	0.00	8pvr9fks6m1r9	HD_ORDER_CLEAN	SELECT /*YANTRA*/ TO_CHAR(sysd...
81,471.42	2,073,729	0.04	6.12	1.23	0.00	ccfrfn4vuhtt0	RELEASE	SELECT /*YANTRA*/ YFS_ORDER_HE...
80,844.44	2,079,768	0.04	6.08	1.63	0.00	19x1189chq3xd		SELECT LOCKID FROM DBMS_LOCK_A...
75,376.29	1,039,872	0.07	5.67	1.93	0.00	3p2pvz386k2gp	sqlplus@dr102omsdb003.na.bestbuy.com (TNS V1-V3)	begin ctxsys.drxxmd.AllocateDo...
70,822.10	1,039,895	0.07	5.32	1.22	0.00	g8kygmk26r01d	sqlplus@dr102omsdb003.na.bestbuy.com (TNS V1-V3)	SELECT IDX_NEXTID FROM DR\$INDE...
47,621.15	1,039,809	0.05	3.58	4.45	0.00	0w4vhuy4s379a	CREATEORDER	begin :1 := ctxsys.drxdml.lock...
45,743.65	1,039,795	0.04	3.44	4.07	0.00	9cgypp6cvk2bt8	sqlplus@dr102omsdb003.na.bestbuy.com (TNS V1-V3)	begin ctxsys.drxdml.lock_opt_r...
36,408.24	1,039,874	0.04	2.74	2.63	0.00	2j8z6b2z0j7kn	sqlplus@dr102omsdb003.na.bestbuy.com (TNS V1-V3)	begin ctxsys.drxxmd.IncrementD...
35,039.05	1,039,861	0.03	2.63	1.55	0.00	2gq2prhkzjdrx	sqlplus@dr102omsdb003.na.bestbuy.com (TNS V1-V3)	UPDATE DR\$INDEX SET IDX_DOCID_...
28,768.46	1,322,392	0.02	2.16	2.22	0.68	2ycq1d0fd6tum	CreateDeliveryReservation	INSERT /*YANTRA*/ INTO YFS_ORD...
14,555.22	607,592	0.02	1.09	55.27	0.00	f3g7txqz3htz7	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_ORG_RELA...

[Back to SQL Statistics](#)
[Back to Top](#)

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 22.6% of Total CPU Time (s): 374,330
- Captured PL/SQL account for 2.1% of Total CPU Time (s): 374,330

CPU Time (s)	Executions	CPU per Exec (s)	%Total	Elapsed Time (s)	%CPU	%IO	SQL Id	SQL Module	SQL Text
10,908.41	39,895,848	0.00	2.91	546,248.44	2.00	0.00	8pvr9fks6m1r9	HD_ORDER_CLEAN	SELECT /*YANTRA*/ TO_CHAR(sysd...
8,045.21	607,592	0.01	2.15	14,555.22	55.27	0.00	f3g7txqz3htz7	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_ORG_RELA...
7,429.25	24,478,512	0.00	1.98	8,920.85	83.28	0.06	dqy511zwmcg69	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_ORDER_HE...
5,418.03	44,156	0.12	1.45	11,285.17	48.01	0.00	7ffz94rsgz8p8	RELEASE	SELECT /*YANTRA*/ YFS_INVENTOR...
4,672.63	1,111,848	0.00	1.25	8,790.18	53.16	0.00	78h54s70y7ctc	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_PERSON_I...
4,027.56	12,898,916	0.00	1.08	6,418.62	62.75	0.02	b67byfuh0rv0p	HD_ORDER_CLEAN	SELECT /*YANTRA*/ YFS_ORDER_RE...
3,463.15	7,190,384	0.00	0.93	7,059.83	49.05	0.00	80g8aj3umx00x	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_ORDER_LI...
2,315.85	9,501,392	0.00	0.62	3,012.70	76.87	0.00	d6620mc5sj2u6	HD_ORDER_CLEAN	SELECT /*YANTRA*/ YFS_WORK_ORD...
2,121.16	1,039,809	0.00	0.57	47,621.15	4.45	0.00	0w4vhuy4s379a	CREATEORDER	begin :1 := ctxsys.drvdml.lock...
1,874.99	4,685,074	0.00	0.50	3,738.43	50.15	0.03	2gkddyf8qzjbf	PAYMENT_COLLECTION	SELECT /*YANTRA*/ YFS_CHARGE_T...

[Back to SQL Statistics](#)
[Back to Top](#)

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 30.7% of Total User I/O Wait Time (s): 6,235
- Captured PL/SQL account for 0.0% of Total User I/O Wait Time (s): 6,235

User I/O Time (s)	Executions	UIO per Exec (s)	%Total	Elapsed Time (s)	%CPU	%IO	SQL Id	SQL Module	SQL Text
603.99	1,358,925	0.00	9.69	3,736.90	31.73	16.16	7r14p9kchcdjk	CreateDeliveryReservation	INSERT /*YANTRA*/ INTO YFS_ORD...
393.40	207,084	0.00	6.31	2,105.97	33.09	18.68	6mxgm9bq4b4hf	INVENTORYOPTIMIZATION	INSERT /*YANTRA*/ INTO YFS_ORD...
307.48	8	38.44	4.93	1,551.04	28.63	19.82	7atsgdavc2q78	SCHEDULE	SELECT /*YANTRA*/ /*+ CURSOR_S...
195.94	1,322,392	0.00	3.14	28,768.46	2.22	0.68	2ycq1d0fd6tum	CreateDeliveryReservation	INSERT /*YANTRA*/ INTO YFS_ORD...
161.63	1,361,464	0.00	2.59	2,649.71	31.00	6.10	3x3z4pbray6ar	OMSOrderDemandSyncupServer	INSERT /*YANTRA*/ INTO EOMS_OR...
91.56	2,574,085	0.00	1.47	2,557.33	36.50	3.58	fy3x05gfw59p0	CreateDeliveryReservation	INSERT /*YANTRA*/ INTO YFS_AUD...
63.24	105,253	0.00	1.01	968.17	28.72	6.53	05hr0u4yugnfc	BACKORDER_SCHEDULE	INSERT /*YANTRA*/ INTO YFS_ORD...
54.77	259,300	0.00	0.88	621.02	14.07	8.82	1hrcvfx6vxt1n	PriorityPass2Processor	INSERT /*YANTRA*/ INTO YFS_ORD...
8.01	1,327,444	0.00	0.13	1,113.29	45.90	0.72	3n9837wrdrn7b9	CreateDeliveryReservation	INSERT /*YANTRA*/ INTO YFS_INV...
7.97	6,100,526	0.00	0.13	3,020.10	56.36	0.26	fqg27u174x4t1	PAYMENT_COLLECTION	SELECT /*YANTRA*/ YFS_ORDER_LI...

[Back to SQL Statistics](#)
[Back to Top](#)

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: 10,577,766,726
- Captured SQL account for 70.0% of Total

Buffer Gets	Executions	Gets per Exec	%Total	Elapsed Time (s)	%CPU	%IO	SQL Id	SQL Module	SQL Text
1,082,880,110	44,156	24,523.96	10.24	11,285.17	48	0	7ffz94rsgz8p8	RELEASE	SELECT /*YANTRA*/ YFS_INVENTOR...

733,272,693	7,190,384	101.98	6.93	7,059.83	49.1	0	80g8aj3umx00x	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_ORDER_LI...
522,729,236	12,898,916	40.53	4.94	6,418.62	62.7	0	b67byfuh0rv0p	HD_ORDER_CLEAN	SELECT /*YANTRA*/ YFS_ORDER_RE...
423,996,684	607,592	697.83	4.01	14,555.22	55.3	0	f3g7txqz3htz7	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_ORG_RELA...
393,985,541	1,111,848	354.35	3.72	8,790.18	53.2	0	78h54s70y7ctc	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_PERSON_I...
374,229,824	5,016,229	74.60	3.54	3,032.94	54.3	0	19z8ajg6qm0fm	VerificationAgent	SELECT /*YANTRA*/ YFS_TASK_Q.*...
272,454,248	4,685,074	58.15	2.58	3,738.43	50.2	0	2gkddyf8qzjbf	PAYMENT_COLLECTION	SELECT /*YANTRA*/ YFS_CHARGE_T...
257,599,481	3,825,717	67.33	2.44	3,265.53	43.5	0	31qz78t5u14tx	RELEASE	SELECT /*YANTRA*/ YFS_ORDER_LI...
255,780,471	4,133,136	61.89	2.42	2,647.48	49.8	0	80h68wwmrh2kf	Publish_Order_Event	SELECT /*YANTRA*/ YFS_REFERENC...
255,552,106	3,925,965	65.09	2.42	3,122.60	47.6	0	0n4b0y8h03zvt	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_CHARGE_T...
241,755,472	24,478,512	9.88	2.29	8,920.85	83.3	.1	dqy511zwmccq69	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_ORDER_HE...
226,546,977	2,855,486	79.34	2.14	2,333.23	58.7	0	dys9z85j6dj7p	RELEASE	SELECT /*YANTRA*/ YFS_ORDER_RE...
201,601,977	6,100,526	33.05	1.91	3,020.10	56.4	.3	fqg27u174x4t1	PAYMENT_COLLECTION	SELECT /*YANTRA*/ YFS_ORDER_LI...
186,006,326	3,743,839	49.68	1.76	2,325.04	54	0	52x629rt3s9ux	RELEASE	SELECT /*YANTRA*/ YFS_ORDER_LI...
177,065,125	4,571,450	38.73	1.67	2,318.63	49.5	0	75db77w1a0w5z	CreateDeliveryReservation	SELECT /*YANTRA*/ EOMS_ORD_LN...
162,382,576	4,473,922	36.30	1.54	2,429.27	63.5	0	007hnmh979njh	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_TASK_Q.*...
148,552,679	4,634,254	32.06	1.40	2,009.46	49.3	0	4w96tb2as5xv9	Publish_Order_Event	SELECT /*YANTRA*/ YFS_LINE_CHA...
147,536,744	7,660,079	19.26	1.39	2,895.57	48.4	0	3xb8xamdqkd6t	Publish_Order_Event	SELECT /*YANTRA*/ YFS_PAYMENT....
125,061,177	9,501,392	13.16	1.18	3,012.70	76.9	0	d6620mc5sj2u6	HD_ORDER_CLEAN	SELECT /*YANTRA*/ YFS_WORK_ORD...
124,282,520	5,867,926	21.18	1.17	1,903.87	50.4	0	1m4b72a00g1y5	HD_ORDER_CLEAN	SELECT /*YANTRA*/ YFS_ORDER_LI...

[Back to SQL Statistics](#)[Back to Top](#)

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: 22,731,307
- Captured SQL account for 53.1% of Total

Physical Reads	Executions	Reads per Exec	%Total	Elapsed Time (s)	%CPU	%IO	SQL Id	SQL Module	SQL Text
11,366,448	8	1,420,806.00	50.00	1,551.04	28.63	19.82	7atsgdavc2q78	SCHEDULE	SELECT /*YANTRA*/ /*+ CURSOR_S...
278,823	1,358,925	0.21	1.23	3,736.90	31.73	16.16	7r14p9kchcdjk	CreateDeliveryReservation	INSERT /*YANTRA*/ INTO YFS_ORD...
155,408	207,084	0.75	0.68	2,105.97	33.09	18.68	6mxgmg9bq4b4hf	INVENTORYOPTIMIZATION	INSERT /*YANTRA*/ INTO YFS_ORD...
89,329	1,322,392	0.07	0.39	28,768.46	2.22	0.68	2ycq1d0fd6tum	CreateDeliveryReservation	INSERT /*YANTRA*/ INTO YFS_ORD...
75,963	1,361,464	0.06	0.33	2,649.71	31.00	6.10	3x3z4pbray6ar	OMSOrderDemandSyncupServer	INSERT /*YANTRA*/ INTO EOMS_OR...
42,695	2,574,085	0.02	0.19	2,557.33	36.50	3.58	fy3x05gfw59p0	CreateDeliveryReservation	INSERT /*YANTRA*/ INTO YFS_AUD...
25,143	105,253	0.24	0.11	968.17	28.72	6.53	05hr0u4yuqnf	BACKORDER_SCHEDULE	INSERT /*YANTRA*/ INTO YFS_ORD...
24,196	259,300	0.09	0.11	621.02	14.07	8.82	1hrcvfx6vxt1n	PriorityPass2Processor	INSERT /*YANTRA*/ INTO YFS_ORD...
3,874	1,327,444	0.00	0.02	1,113.29	45.90	0.72	3n9837wrnd7b9	CreateDeliveryReservation	INSERT /*YANTRA*/ INTO YFS_INV...
3,028	6,100,526	0.00	0.01	3,020.10	56.36	0.26	fqg27u174x4t1	PAYMENT_COLLECTION	SELECT /*YANTRA*/ YFS_ORDER_LI...

[Back to SQL Statistics](#)[Back to Top](#)

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: 3,138,967
- Captured SQL account for 10.2% of Total
- Total UnOptimized Read Requests: 3,138,967
- Captured SQL account for 10.2% 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
233,483	233,483	1,358,925		0.17	0.00	7.44 7r14p9kchcdjk	CreateDeliveryReservation	INSERT /*YANTRA*/ INTO YFS_ORD...
74,651	74,651	1,322,392		0.06	0.00	2.38 2ycq1d0fd6tum	CreateDeliveryReservation	INSERT /*YANTRA*/ INTO YFS_ORD...
3,874	3,874	1,327,444		0.00	0.00	0.12 3n9837wrdn7b9	CreateDeliveryReservation	INSERT /*YANTRA*/ INTO YFS_INV...
3,024	3,024	6,100,526		0.00	0.00	0.10 fqg27u174x4t1	PAYMENT_COLLECTION	SELECT /*YANTRA*/ YFS_ORDER_LI...
758	758	4,992,086		0.00	0.00	0.02 2f33vzugkcnw	RELEASE	SELECT /*YANTRA*/ YFS_CREDIT_C...
709	709	12,898,916		0.00	0.00	0.02 b67byfuh0rv0p	HD_ORDER_CLEAN	SELECT /*YANTRA*/ YFS_ORDER_RE...
504	504	4,685,074		0.00	0.00	0.02 2gkddyf8qzjbf	PAYMENT_COLLECTION	SELECT /*YANTRA*/ YFS_CHARGE_T...
381	381	3,743,839		0.00	0.00	0.01 52x629tr3s9ux	RELEASE	SELECT /*YANTRA*/ YFS_ORDER_LI...
292	292	4,633,034		0.00	0.00	0.01 1zcxy9wsfy9aj	Publish_Order_Event	SELECT /*YANTRA*/ YFS_TAX_BREA...
263	263	4,634,254		0.00	0.00	0.01 4w96tb2as5xv9	Publish_Order_Event	SELECT /*YANTRA*/ YFS_LINE_CHA...

[Back to SQL Statistics](#)
[Back to Top](#)

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: 510,724,870
- Captured SQL account for 54.6% of Total

Executions	Rows Processed	Rows per Exec	Elapsed Time (s)	%CPU	%IO	SQL Id	SQL Module	SQL Text
39,895,848	39,570,096	0.99	546,248.44	2	0	8pvr9fks6m1r9	HD_ORDER_CLEAN	SELECT /*YANTRA*/ TO_CHAR(sysd...
24,478,512	23,193,834	0.95	8,920.85	83.3	.1	dqy511zwmcq69	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_ORDER_HE...
13,212,825	13,179,226	1.00	1,461.95	79.6	0	49swc7fmry6r1	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_PERSON_I...
12,898,916	32,682,582	2.53	6,418.62	62.7	0	b67byfuh0rv0p	HD_ORDER_CLEAN	SELECT /*YANTRA*/ YFS_ORDER_RE...
11,453,390	11,410,854	1.00	1,562.90	85.3	0	5bkcx7zfx2kz3	CreateDeliveryReservation	SELECT /*YANTRA*/ EOMS_ORDER_L...
9,501,392	650,156	0.07	3,012.70	76.9	0	d6620mc5sj2u6	HD_ORDER_CLEAN	SELECT /*YANTRA*/ YFS_WORK_ORD...
7,752,928	2,085,088	0.27	621.37	85.9	.1	b24yg54pysbrx	Publish_Order_Event	SELECT /*YANTRA*/ EOMS_ORD_LN...
7,660,079	3,673,928	0.48	2,895.57	48.4	0	3xb8xamdqkd6t	Publish_Order_Event	SELECT /*YANTRA*/ YFS_PAYMENT...
7,190,384	1,900,671	0.26	7,059.83	49.1	0	80g8aj3umx00x	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_ORDER_LI...
6,643,708	3,749	0.00	442.10	81.5	0	ga3tgcrb6sjyp	Publish_Order_Event	SELECT /*YANTRA*/ EOMS_BBYM_SU...
6,100,526	16,984,005	2.78	3,020.10	56.4	.3	fqg27u174x4t1	PAYMENT_COLLECTION	SELECT /*YANTRA*/ YFS_ORDER_LI...
5,867,926	1,749,402	0.30	1,903.87	50.4	0	1m4b72a00g1y5	HD_ORDER_CLEAN	SELECT /*YANTRA*/ YFS_ORDER_LI...
5,422,374	5,418,229	1.00	1,553.32	33.5	0	a2csz6x8a0bzm	CreateDeliveryReservation	SELECT SEQ_AUDIT_TABLE_KEY.NEX...
5,263,101	2,741	0.00	349.48	83.5	0	gvth7543gv1v1	Publish_Order_Event	SELECT /*YANTRA*/ EOMS_BBYM_HD...
5,211,830	5,206,580	1.00	784.99	85.5	0	9fn83rvnxj1br	RELEASE	SELECT /*YANTRA*/ YFS_ITEM.* F...

[Back to SQL Statistics](#)
[Back to Top](#)

SQL ordered by Parse Calls

- Total Parse Calls: 535,961,468
- Captured SQL account for 50.9% of Total

Parse Calls	Executions	% Total Parses	SQL Id	SQL Module	SQL Text
39,944,235	39,895,848	7.45	8pvr9fks6m1r9	HD_ORDER_CLEAN	SELECT /*YANTRA*/ TO_CHAR(sysd...
24,477,572	24,478,512	4.57	dqy511zwmcq69	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_ORDER_HE...
13,206,425	13,212,825	2.46	49swc7fmry6r1	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_PERSON_I...
12,890,595	12,898,916	2.41	b67byfuh0rv0p	HD_ORDER_CLEAN	SELECT /*YANTRA*/ YFS_ORDER_RE...
11,458,576	11,453,390	2.14	5bkcx7zfx2kz3	CreateDeliveryReservation	SELECT /*YANTRA*/ EOMS_ORDER_L...
9,504,456	9,501,392	1.77	d6620mc5sj2u6	HD_ORDER_CLEAN	SELECT /*YANTRA*/ YFS_WORK_ORD...
7,750,490	7,752,928	1.45	b24yg54pysbrx	Publish_Order_Event	SELECT /*YANTRA*/ EOMS_ORD_LN...
7,658,706	7,660,079	1.43	3xb8xamdqkd6t	Publish_Order_Event	SELECT /*YANTRA*/ YFS_PAYMENT...
7,187,626	7,190,384	1.34	80g8aj3umx00x	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_ORDER_LI...
6,641,966	6,643,708	1.24	ga3tgcrb6sjyp	Publish_Order_Event	SELECT /*YANTRA*/ EOMS_BBYM_SU...
6,085,587	6,100,526	1.14	fqg27u174x4t1	PAYMENT_COLLECTION	SELECT /*YANTRA*/ YFS_ORDER_LI...
5,867,891	5,867,926	1.09	1m4b72a00g1y5	HD_ORDER_CLEAN	SELECT /*YANTRA*/ YFS_ORDER_LI...
5,421,346	5,422,374	1.01	a2csz6x8a0bzm	CreateDeliveryReservation	SELECT SEQ_AUDIT_TABLE_KEY.NEX...

[Back to SQL Statistics](#)[Back to Top](#)

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
167,992,016		0.18	3ytmcn7yp2gs2		SELECT /*YANTRA*/ YFS_INBOX.* ...
49,435,147	80	0.05	0za9fv0j1vgkk		WITH MONITOR_DATA AS (SELECT *...
6,236,780	80	0.01	atwuyuvqkf27w		SELECT /*+ OPT_PARAM('_fix_con...
2,880,659	19	0.00	ahggqyy497mj2y	oraagent.bin@dr102omsdb003.na.bestbuy.com (TNS V	MERGE /*+ INDEX(dest (signatur...
2,638,871	4	0.00	3wrrjm9qtr2my	MMON_SLAVE	SELECT T.CLIENT_ID, T.OPERATIO...
2,176,907	207,084	0.00	6mxgxm9bq4b4hf	INVENTORYOPTIMIZATION	INSERT /*YANTRA*/ INTO YFS_ORD...

[Back to SQL Statistics](#)[Back to Top](#)

SQL ordered by Version Count

- Only Statements with Version Count greater than 20 are displayed

Version Count	Executions	SQL Id	SQL Module	SQL Text
2,108		3ytmcn7yp2gs2		SELECT /*YANTRA*/ YFS_INBOX.* ...

[Back to SQL Statistics](#)[Back to Top](#)

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): 2.999
- Captured SQL account for 23.6% of Total

Cluster Wait Time (s)	Executions	%Total	Elapsed Time(s)	%Clu	%CPU	%IO	SQL Id	SQL Module	SQL Text
268.29	1,322,392	8.95	28,768.46	0.93	2.22	0.68	2ycq1d0fd6tum	CreateDeliveryReservation	INSERT /*YANTRA*/ INTO YFS_ORD...
229.02	105,253	7.64	968.17	23.65	28.72	6.53	05hr0u4yuqnf	BACKORDER_SCHEDULE	INSERT /*YANTRA*/ INTO YFS_ORD...
110.83	207,084	3.70	2,105.97	5.26	33.09	18.68	6mxgxm9bq4b4hf	INVENTORYOPTIMIZATION	INSERT /*YANTRA*/ INTO YFS_ORD...
49.02	1,361,464	1.63	2,649.71	1.85	31.00	6.10	3x3z4pbray6ar	OMSOrderDemandSyncupServer	INSERT /*YANTRA*/ INTO EOMS_OR...
37.85	1,358,925	1.26	3,736.90	1.01	31.73	16.16	7r14p9kchcdjk	CreateDeliveryReservation	INSERT /*YANTRA*/ INTO YFS_ORD...
6.31	3,743,839	0.21	2,325.04	0.27	54.04	0.03	52x629rt3s9ux	RELEASE	SELECT /*YANTRA*/ YFS_ORDER_LI...
1.26	13,212,825	0.04	1,461.95	0.09	79.62	0.03	49swc7fmry6r1	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_PERSON_I...
0.91	2	0.03	1.78	51.50	27.87	0.00	5uruji6n2suc5t	emagent_SQL_rac_database	with last_run as (SELECT all...
0.44	4,992,086	0.01	1,339.98	0.03	55.65	0.13	2f33vzugkkcnw	RELEASE	SELECT /*YANTRA*/ YFS_CREDIT_C...
0.44	5,867,926	0.01	1,903.87	0.02	50.44	0.01	1m4b72a00g1y5	HD_ORDER_CLEAN	SELECT /*YANTRA*/ YFS_ORDER_LI...
0.41	4,685,074	0.01	3,738.43	0.01	50.15	0.03	2gkddyf8qzjbf	PAYMENT_COLLECTION	SELECT /*YANTRA*/ YFS_CHARGE_T...
0.40	1,111,848	0.01	8,790.18	0.00	53.16	0.00	78h54s70y7ctc	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_PERSON_I...
0.34	6,100,526	0.01	3,020.10	0.01	56.36	0.26	fqg27u174x4t1	PAYMENT_COLLECTION	SELECT /*YANTRA*/ YFS_ORDER_LI...
0.34	4,634,254	0.01	2,009.46	0.02	49.26	0.03	4w96tb2as5xv9	Publish_Order_Event	SELECT /*YANTRA*/ YFS_LINE_CHA...
0.28	7,660,079	0.01	2,895.57	0.01	48.45	0.01	3xb8xamdqkd6t	Publish_Order_Event	SELECT /*YANTRA*/ YFS_PAYMENT...
0.27	259,300	0.01	621.02	0.04	14.07	8.82	1hrcvfx6vxt1n	PriorityPass2Processor	INSERT /*YANTRA*/ INTO YFS_ORD...
0.22	2,574,085	0.01	2,557.33	0.01	36.50	3.58	fy3x05gfw59p0	CreateDeliveryReservation	INSERT /*YANTRA*/ INTO YFS_AUD...
0.18	4,633,034	0.01	1,383.08	0.01	62.06	0.04	1zcxxy9wsfy9aj	Publish_Order_Event	SELECT /*YANTRA*/ YFS_TAX_BREA...
0.15	4,636,196	0.00	1,355.23	0.01	75.41	0.03	2kg29p1gggq7vg	PAYMENT_COLLECTION	SELECT /*YANTRA*/

0.13	4,133,136	0.00	2,647.48	0.01	49.75	0.01	80h68wwmrh2kf	Publish_Order_Event	YFS_ORDER_HO...
0.13	12,898,916	0.00	6,418.62	0.00	62.75	0.02	b67byfuh0rv0p	HD_ORDER_CLEAN	SELECT /*YANTRA*/ YFS_REFERENC...
0.12	9,501,392	0.00	3,012.70	0.00	76.87	0.00	d6620mc5sj2u6	HD_ORDER_CLEAN	SELECT /*YANTRA*/ YFS_ORDER_RE...
0.11	80	0.00	370.59	0.03	64.71	1.71	0za9fv0j1vgkk		SELECT /*YANTRA*/ YFS_WORK_ORD...
0.11	11,453,390	0.00	1,562.90	0.01	85.28	0.03	5bkcx7zfx2kz3	CreateDeliveryReservation	WITH MONITOR_DATA AS (SELECT *...
0.10	1,027	0.00	1,021.70	0.01	0.06	0.00	bhpgpsguwqfxy	CreateDeliveryReservation	SELECT /*YANTRA*/ EOMS_ORDER_L...
0.09	3,925,965	0.00	3,122.60	0.00	47.64	0.00	0n4b0y8h03zvt	CreateDeliveryReservation	INSERT /*YANTRA*/ INTO YFS_RES...
0.07	4,571,450	0.00	2,318.63	0.00	49.52	0.01	75db77w1a0w5z	CreateDeliveryReservation	SELECT /*YANTRA*/ YFS_CHARGE_T...
0.07	4,473,922	0.00	2,429.27	0.00	63.52	0.01	007hmhh979njh	CreateDeliveryReservation	SELECT /*YANTRA*/ EOMS_ORD_LN_...
0.06	2,855,486	0.00	2,333.23	0.00	58.69	0.02	dys9z85j6dj7p	RELEASE	SELECT /*YANTRA*/ YFS_TASK_Q.*...
0.04	95	0.00	0.69	6.19	43.02	27.82	ggtr5c0w7yph9	PaymentProcessSettlement	SELECT /*YANTRA*/ YFS_ORDER_RE...
0.04	3,825,717	0.00	3,265.53	0.00	43.52	0.01	31qz78t5u14tx	RELEASE	INSERT /*YANTRA*/ INTO EOMS_PY...
0.04	7,752,928	0.00	621.37	0.01	85.89	0.06	b24yg54pysbrx	Publish_Order_Event	SELECT /*YANTRA*/ YFS_ORDER_LI...
0.02	10	0.00	0.03	60.65	25.52	24.37	69subccxd9b03		SELECT /*YANTRA*/ EOMS_ORD_LN_...
0.01	5,211,830	0.00	784.99	0.00	85.47	0.01	9fn83rvnxj1br	RELEASE	SELECT signature, inuse_featur...
0.01	5,263,101	0.00	349.48	0.00	83.51	0.00	gvth7543gv1v1	Publish_Order_Event	SELECT /*YANTRA*/ YFS_ITEM.* F...
0.01	19	0.00	0.02	45.84	45.56	22.20	8d9zcdz3j0b3w	JDBC Thin Client	SELECT /*YANTRA*/ EOMS_BBYM_HD...
0.01	5	0.00	0.02	59.02	28.65	13.06	4nc1yfmtr258g	oraagent.bin@dr102omsdb003.na.bestbuy.com (TNS V	SELECT obj_type, plan_id, desc...
0.01	7,190,384	0.00	7,059.83	0.00	49.05	0.00	80g8aj3umx00x	CreateDeliveryReservation	SELECT /*+ INDEX(sqlobj\$ (name...
									SELECT /*YANTRA*/ YFS_ORDER_LI...

[Back to SQL Statistics](#)[Back to Top](#)

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
05hr0u4yuqncf	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, PERSONALIZE_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_SEQ_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_SALES_ORDER_ID, EXTN_EVENT_PROCESSING_STATUS, EXTN_IS_PAID_MEMBER_SKU, INCART, EXTN_PROFILE_LABEL, EXTN_PAID_MBRSHIP_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, EXTN_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_PLG_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, EXTN_RTRY_CNT, EXTN_PTY_ID, EXTN_RTRY_AVL_TS, 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, EXTN_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_RECOMMND_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, :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)

On4b0y8h03zvt 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

0w4vhuy4s379a begin :1 := ctxsys.drvdml.lock_opt_aggmerge(:2, :3, :4, :5);end;

Oza9fv0j1vgkk 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# 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_SUBPROGRAM 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 "rmcgr")) GETSTRINGVAL(), '00/00/0000 00:00:00') RM_INFO, CON_NAME, CON_ID FROM \$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_NAME = 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, MAX_SQL_EXEC_ID, MAX_LAST_REFRESH_TIME, MAX_DBOP_NAME, MAX_DBOP_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_WRITE_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_ALLOCATED) 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_TIME) 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)

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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_ID, AD0.DFO_MOST_ACTIVE_SID, (CASE WHEN AD0.DFO_MOST_ACTIVE_ID =
AD0.INST_ID AND AD0.DFO_MOST_ACTIVE_SID = AD0.SESSION_ID AND ((AD0.PX_DFO_ACTIVITY_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_ID,
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.PLSQL_OBJECT_ID,
GVTF.PLSQL_SUBPROGRAM_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 * 100000000000 +
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.ACTIVITY_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, 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) 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 AND 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

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30/118

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"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_name", 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",
XMLTYPESUBSTR(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_QUEUEING_TIME, 0), 0, NULL,
XMLELEMENT("stat", XMLATTRIBUTES("queueing_time" AS "name
"), MAX_QUEUEING_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_EXEC_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("ret_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) ACTIVITY_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 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_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( 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

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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.ACTIVITY_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 "psql_id", AD1.PLSQL_NAME AS "psql_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_NAME
END AS "dbop_name", CASE WHEN AD1.DFO_MOST_ACTIVE_ID IS NOT NULL AND :B68 = 'Y' THEN AD1.DFO_MOST_ACTIVE_ID END AS "skew_id",
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 SQL') 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 "max_buffer_gets",
MAX(PX_SESSION.MAX_ELAPSED_TIME) AS "max_elapsed_time"), XMLAGG(PX_SESSION.PX_SERVER_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(MAX(ELAPSED_TIME), XMLELEMENT("stat", XMLATTRIBUTES("elapsed_time" AS "name"),
MAX(ELAPSED_TIME)), NULL), NVL2(MAX(Queueing_TIME), XMLELEMENT("stat", XMLATTRIBUTES("queueing_time" AS "name"),
MAX(Queueing_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("psql_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 SUM(PI.ACTIVITY_COUNT) > 0 AND :B33 = 1
THEN XMLELEMENT("activity_sampled", XMLATTRIBUTES(PI.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.ACTIVITY_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(PI.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_SERIAL#, 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.QUEUEING_TIME, 0, NULL, MO.QUEUEING_TIME)) QUEUEING_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,

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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_SERVER#,
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(PI.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) 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, PI.PX_INSTANCE) PX_INSTANCES 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", PI.PARENT_ID AS "parent_id", PI.OPERATION AS "name", PI.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(PLI.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"),

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TRUNC(PLI.MAX_STARTS/10000000000)) ELSE NULL END, CASE WHEN PLI.DOP > 0 AND PLI.HAS_EXECUTED = 1 THEN XMLELEMENT("stat",
XMLELEMENT("stat", XMLELEMENT("cardinality" 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", XMLELEMENT("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",
XMLELEMENT("max_card" AS "name", DECODE(:B68, 'Y', MOD(TRUNC(MAX_OUTPUT_ROWS/1000000), 10000), NULL) AS "id",
MOD(MAX_OUTPUT_ROWS, 1000000) AS "sid"), TRUNC(PLI.MAX_OUTPUT_ROWS/10000000000)) ELSE NULL END, CASE WHEN PLI.MEM > 0 THEN
XMLELEMENT("stat", XMLELEMENT("memory" AS "name"), PLI.MEM) ELSE NULL END, CASE WHEN PLI.MAX_MEM > 0 THEN XMLELEMENT("stat",
XMLELEMENT("max_memory" AS "name"), PLI.MAX_MEM) ELSE NULL END, CASE WHEN PLI.DOP > 0 AND PLI.MIN_MAX_MEM IS NOT NULL AND
PLI.MAX_MEM > 0 THEN XMLELEMENT("stat", XMLELEMENT("min_max_mem" AS "name", DECODE(:B68, 'Y',
MOD(TRUNC(MIN_MAX_MEM/1000000), 10000), NULL) AS "id", MOD(MIN_MAX_MEM, 1000000) AS "sid"), TRUNC(PLI.MIN_MAX_MEM/10000000000))
ELSE NULL END, CASE WHEN PLI.TEMP > 0 THEN XMLELEMENT("stat", XMLELEMENT("temp" AS "name"), PLI.TEMP) ELSE NULL END, CASE
WHEN PLI.MAX_TEMP > 0 THEN XMLELEMENT("stat", XMLELEMENT("max_temp" AS "name"), PLI.MAX_TEMP) ELSE NULL END, CASE WHEN
PLI.MAX_TEMP > 0 THEN XMLELEMENT("stat", XMLELEMENT("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", XMLELEMENT("max_max_temp" AS "name",
DECODE(:B68, 'Y', MOD(TRUNC(MAX_MAX_TEMP/1000000), 10000), NULL) AS "id", 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",
XMLELEMENT("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", XMLELEMENT("max_read_reqs" AS "name", DECODE(:B68, 'Y',
MOD(TRUNC(PLI.MAX_READ_REQS/1000000), 10000), NULL) AS "id", 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",
XMLELEMENT("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", XMLELEMENT("max_read_bytes" AS "name", DECODE(:B68, 'Y',
MOD(TRUNC(PLI.MAX_READ_BYTES/1000000), 10000), NULL) AS "id", 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",
XMLELEMENT("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", XMLELEMENT("max_write_reqs" AS "name", DECODE(:B68, 'Y',
MOD(TRUNC(PLI.MAX_WRITE_REQS/1000000), 10000), NULL) AS "id", 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",
XMLELEMENT("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", XMLELEMENT("max_write_bytes" AS "name", DECODE(:B68, 'Y',
MOD(TRUNC(PLI.MAX_WRITE_BYTES/1000000), 10000), NULL) AS "id", 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", XMLELEMENT("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", XMLELEMENT("max_io_inter_bytes" AS "name", DECODE(:B68, 'Y', MOD(TRUNC(MAX_IO_INTER_BYTES/1000000),
10000), NULL) AS "id", 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", XMLELEMENT("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", XMLELEMENT(
PLI.STAT_GID AS "group_id", DECODE(GID_ROWNUM, 1, (SELECT XMLELEMENT("metadata", NULL, XMLAGG(XMLELEMENT("stat",
XMLELEMENT(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",
XMLELEMENT(1 AS "id", STAT1_VALUE), NULL), NVL2(STAT2_VALUE, XMLELEMENT("stat", XMLELEMENT(2 AS "id", STAT2_VALUE), NULL),
NVL2(STAT3_VALUE, XMLELEMENT("stat", XMLELEMENT(3 AS "id", STAT3_VALUE), NULL), NVL2(STAT4_VALUE, XMLELEMENT("stat",
XMLELEMENT(4 AS "id", STAT4_VALUE), NULL), NVL2(STAT5_VALUE, XMLELEMENT("stat", XMLELEMENT(5 AS "id", STAT5_VALUE), NULL),
NVL2(STAT6_VALUE, XMLELEMENT("stat", XMLELEMENT(6 AS "id", STAT6_VALUE), NULL), NVL2(STAT7_VALUE, XMLELEMENT("stat",
XMLELEMENT(7 AS "id", STAT7_VALUE), NULL), NVL2(STAT8_VALUE, XMLELEMENT("stat", XMLELEMENT(8 AS "id", STAT8_VALUE), NULL),
NVL2(STAT9_VALUE, XMLELEMENT("stat", XMLELEMENT(9 AS "id", STAT9_VALUE), NULL), NVL2(STAT10_VALUE, XMLELEMENT("stat",
XMLELEMENT(10 AS "id", STAT10_VALUE), NULL)), NULL), CASE WHEN PLI.LINE_ACTIVITY_COUNT > 0 AND :B33 = 1 THEN XMLELEMENT(
"activity_sampled", XMLELEMENT(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
NULL 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 NOT 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,
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_OWNER, 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_COUNT) 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", XMLELEMENT(
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.ACTIVITY_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) 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", XMLELEMENT(: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", XMLELEMENT(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,

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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, SUM(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, MIN(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 +
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 + OTHERSTAT_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 ))) J 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 ) PL1) 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=>NULL, 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_ID, :B17, NULL, AD.DFO_MOST_ACTIVE_ID) 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_ID, 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",

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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_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_QUEUEING_TIME / 1000000))), DECODE(MA.SUM_ELAPSED_TIME, 0, NULL,
XMLELEMENT("stat", XMLATTRIBUTES('elapsed_time' AS "name"), MA.SUM_ELAPSED_TIME)), DECODE(MA.MAX_QUEUEING_TIME, 0, NULL,
XMLELEMENT("stat", XMLATTRIBUTES('queueing_time' AS "name"), MA.MAX_QUEUEING_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_READ_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_ELAPSED_TIME / 1000000), 1),
CEIL((MA.MAX_QUEUEING_TIME / 1000000))), DECODE(MA.SUM_ELAPSED_TIME, 0, NULL, XMLELEMENT("stat", XMLATTRIBUTES('elapsed_time' AS
"name"), MA.SUM_ELAPSED_TIME)), DECODE(MA.MAX_QUEUEING_TIME, 0, NULL, XMLELEMENT("stat", XMLATTRIBUTES('queueing_time' AS
"name"), MA.MAX_QUEUEING_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_READ_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)), 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 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) ) END) FROM
MONITOR AGG MA) ELSE NULL END) FROM (SELECT CASE WHEN V1.XPLAN_XML IS NULL OR V1.XPLAN_XML EXISTS NODE('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$sql_plan', PLAN_TAG=>'plan', FILTER_PIDS=>:B35, FORMAT=>'-PROJECTION +ALIAS +ADAPTIVE') ELSE NULL END
XPLAN_XML FROM DUAL) V1) CONST_VIEW

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19x1189chq3xd SELECT LOCKID FROM DBMS_LOCK_ALLOCATED WHERE NAME = :B1 FOR UPDATE
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
1hrcvxf6vxt1n INSERT /*YANTRA*/ INTO YFS_ORDER_HOLD_TYPE LOG(ORDER_HOLD_TYPE LOG KEY, ORDER_HOLD_TYPE KEY, REASON_TEXT,
TRANSACTION_ID, ORDER_AUDIT_KEY, USER_ID, STATUS, CREATETS, MODIFYTS, CREATEUSERID, MODIFYUSERID, CREATEPROGID,
MODIFYPROGID, LOCKID, RESOLVER_USER_ID) values (:1, :2, :3, :4, :5, :6, :7, :8, :9, :10, :11, :12, :13, :14, :15)
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
1zcxy9wsfy9aj SELECT /*YANTRA*/ YFS_TAX_BREAKUP.* FROM YFS_TAX_BREAKUP YFS_TAX_BREAKUP WHERE HEADER_KEY = :1 AND RECORD_TYPE =
:2
2f33zvzgkcnw SELECT /*YANTRA*/ YFS_CREDIT_CARD_TRANSACTION.* FROM YFS_CREDIT_CARD_TRANSACTION YFS_CREDIT_CARD_TRANSACTION
WHERE YFS_CREDIT_CARD_TRANSACTION.CHARGE_TRANSACTION_KEY= :1
2gkddyf8qzjbf SELECT /*YANTRA*/ YFS_CHARGE_TRANSACTION.* FROM YFS_CHARGE_TRANSACTION YFS_CHARGE_TRANSACTION WHERE
YFS_CHARGE_TRANSACTION.ORDER_HEADER_KEY= :1 ORDER BY CREATETS
2j8z6b2z0j7kn begin ctxsys.drvmxmd.IncrementDocCnt(:1, :2, :3);end;
2kg29p1qqg7vg SELECT /*YANTRA*/ YFS_ORDER_HOLD_TYPE.* FROM YFS_ORDER_HOLD_TYPE YFS_ORDER_HOLD_TYPE WHERE ORDER_HEADER_KEY =
:1
2qq2prhkzjdrx UPDATE DR$INDEX SET IDX_DOCID_COUNT = GREATEST(IDX_DOCID_COUNT + :B2, 0) WHERE IDX_ID = :B1

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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) )

3n9837wrnd7b9 INSERT /*YANTRA*/ INTO YFS_INVENTORY_DEMAND_ADDNL(INVENTORY_DEMAND_ADDNL_KEY,INVENTORY_ITEM_KEY,
INVENTORY_TAG_KEY,DEMAND_TYPE,OWNER_KEY,SHIPNODE_KEY,QUANTITY,SEGMENT,SEGMENT_TYPE,DEMAND_SHIP_DATE,
DEMAND_CANCEL_DATE,DEMAND_REFERENCE_TYPE,DEMAND_REFERENCE,MIN_SHIP_BY_DATE,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,:21)

3p2pvz386k2gp begin ctxsys.drvxmd.AllocateDocids(:1,:2,:3,:4); end;

3wrrjm9qtr2my SELECT T.CLIENT_ID, T.OPERATION_ID, T.TARGET_TYPE, T.TARGET_NAME, T.CURR_JOB_NAME,
TO_NUMBER(BITAND(T.ATTRIBUTES,131072)), CASE NVL(SELECT J.STATE FROM DBA_SCHEDULER_JOBS J WHERE
T.CURR_JOB_NAME = J.JOB_NAME), 'MISSING') WHEN 'MISSING' THEN 4 WHEN 'RUNNING' THEN 1 WHEN 'DISABLED' THEN 2
WHEN 'SCHEDULED' THEN 3 WHEN 'RETRY SCHEDULED' THEN 99 WHEN 'COMPLETED' THEN 99 WHEN 'BROKEN' THEN 99
WHEN 'FAILED' THEN 99 WHEN 'REMOTE' THEN 99 WHEN 'SUCCEEDED' THEN 99 WHEN 'STOPPED' THEN 99 WHEN
'CHAIN_STALLED' THEN 99 ELSE 99 END AS CONSOLIDATED_STATE, CASE NVL(JRD.STATUS, 'MISSING') WHEN 'MISSING'
THEN 4 WHEN 'SUCCEEDED' THEN 10 WHEN 'FAILED' THEN 11 WHEN 'STOPPED' THEN CASE WHEN
JRD.ADDITIONAL_INFO LIKE '%called by user%' THEN 12 WHEN JRD.ADDITIONAL_INFO LIKE '%window was closed%' THEN 13 WHEN
JRD.ADDITIONAL_INFO LIKE 'ORA-01014%' THEN 14 ELSE 15 END ELSE 99 END AS STATUS,
NVL(JRD.RUN_DURATION, INTERVAL '0' SECOND), NVL(JRD.CPU_USED, INTERVAL '0' SECOND), NVL(JRD.ERROR#, 0),
NVL(JRD.STATUS, 'NO LOG ENTRY') || '(jrd)' AS DBG_STATUS, NVL((SELECT J.STATE FROM DBA_SCHEDULER_JOBS J WHERE
T.CURR_JOB_NAME = J.JOB_NAME), 'MISSING') || '(jobs)' AS DBG_STATE, NVL(JRD.LOG_DATE, TIMESTAMP '2001-01-01 01:01:01.01 +01:01'),
NVL(JRD.LOG_ID, 0) FROM KET$ CLIENT_TASKS T, DBA_SCHEDULER_JOB_RUN_DETAILS JRD WHERE T.CURR_JOB_NAME IS NOT NULL
AND T.CURR_JOB_NAME = JRD.JOB_NAME(+) AND 'SYS' = JRD.OWNER(+)

3x3z4pbray6ar INSERT /*YANTRA*/ INTO EOMS_ORD_LN_OPEN_DMND(APPT_DT,EXTN_DLR_RSRV_DT,BO_PO_FLG,CAP_ID,ORD_LN_OPEN_DMND_KEY,
ORDER_LINE_KEY,ORDER_HEADER_KEY,ORD_NBR,CHNL_ID,SKU_ID,OPTM_SRC_LOC_VAL,ITEM_ID,LN_TYP_VAL,PROD_CLASS_CD,
DMND_TYP_CD,ORD_LN_OPEN_DMND_QTY,DMND_LOC_CD,LN_SRC_TYP_CD,PRCS_UPD_MSG_FLG,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,:21,:22,:23,:24,:25,:26)

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

49swc7fmyr6r1 SELECT /*YANTRA*/ YFS_PERSON_INFO.* FROM YFS_PERSON_INFO YFS_PERSON_INFO WHERE (YFS_PERSON_INFO.PERSON_INFO_KEY =
:1)

4nc1yfmr258g 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

5bkcx7zfx2kz3 SELECT /*YANTRA*/ EOMS_ORDER_LINE.* FROM EOMS_ORDER_LINE EOMS_ORDER_LINE WHERE EOMS_ORDER_LINE.ORDER_LINE_KEY=
:1

5uruj6n2suc5t
with last_run as
(
SELECT all_runs.OWNER,
all_runs.JOB_NAME,
all_runs.STATUS
FROM DBA_SCHEDULER_JOB_RUN_DETAILS all_runs,
(SELECT sub.OWNER,
sub.JOB_NAME,
MAX(sub.ACTUAL_START_DATE) AS START_DATE
FROM DBA_SCHEDULER_JOB_RUN_DETAILS sub
WHERE sub.job_name in (SELECT job_name FROM DBA_SCHEDULER_JOB_RUN_DETAILS where status = "SYS_B_00")
GROUP BY sub.OWNER, JOB_NAME) latest_runs
WHERE all_runs.status = "SYS_B_01"
AND all_runs.OWNER= latest_runs.OWNER
AND all_runs.JOB_NAME= latest_runs.JOB_NAME
AND all_runs.ACTUAL_START_DATE=latest_runs.START_DATE
)

SELECT NVL(SUM(broken), "SYS_B_02"),
NVL(SUM(failed), "SYS_B_03")
FROM (SELECT DECODE(broken, "SYS_B_04", "SYS_B_05", "SYS_B_06") broken,
DECODE(NVL(failures, "SYS_B_07"), "SYS_B_08", "SYS_B_09
", "SYS_B_10") failed
FROM dba_jobs
UNION ALL
SELECT DECODE(STATE, "SYS_B_11", "SYS_B_12", "SYS_B_13") broken,
DECODE(STATUS, "SYS_B_14", DECODE(STATE, "SYS_B_15", "SYS_B_16", "SYS_B_17", "SYS_B_18", "SYS_B_19"), "SYS_B_20") failed
FROM (SELECT all_jobs.OWNER,
all_jobs.JOB_NAME,
last_run.STATUS,
all_jobs.STATE
FROM last_run,
DBA_SCHEDULER_JOBS all_jobs
WHERE last_run.OWNER=all_jobs.OWNER
AND last_run.JOB_NAME=all_jobs.JOB_NAME))

69subccxd9b03 SELECT signature, inuse_features, flags FROM sql$ WHERE signature = :1

6mxgm9bq4b4hf 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,

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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_CODE, 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, BUYER_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_CONV_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_IS_ADA_LOCKER_SELECTED, EXTN_QUOTE_DETAIL_ID, EXTN_ORDERTIME_REGULAR_PRICE, EXTN_ORDERTIME_CURRENT_PRICE, EXTN_USE_PROPOSAL_PRICE, EXTN_IS_ITEM_PICKED, EXTN_GROUP_ID, EXTN_GROUP_TAG, EXTN_ORDER_LINE_ID, EXTN_SRCNG_SLCTD_CARR, EXTN_NPCK_RSN_CDE, EXTN_EXTNL_APPT_ID, EXTN_ADV_C SRC_TXN_ID, EXTN_ITEM_RELSHIP_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_INSTR_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_TOTALRESHIPMENT_AMOUNT, EXTN_PSEUDO_SKU, EXTN_PSEUDO_SKU_DESCRIPTION, EXTN_INSLMT_BILL_FLG, EXTN_RSTRCT_FLFLMNT_CHG_FLG, EXTN_INSLMT_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_DEPARTMENT, 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_SHIP_TO_CO_NM, EXTN_NOTE_ENTR_BY_OLS_FLG, EXTN_PACK_AT_STOR_FOR_SHIP_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_CTGL 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_RESHIP_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_CA_P_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, EXTN_STAGE_LOCATION) 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, :389, :390, :391, :392, :393, :394)

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75db77w1a0w5z SELECT /*YANTRA*/ EOMS_ORD_LN_OPEN_DMND.* FROM EOMS_ORD_LN_OPEN_DMND EOMS_ORD_LN_OPEN_DMND WHERE ((
EOMS_ORD_LN_OPEN_DMND.ORDER_LINE_KEY = :1 ))
78h54s70y7ctc SELECT /*YANTRA*/ YFS_PERSON_INFO.* FROM YFS_PERSON_INFO YFS_PERSON_INFO WHERE TITLE = :1 AND FIRST_NAME = :2 AND
MIDDLE NAME = :3 AND LAST NAME = :4 AND SUFFIX = :5 AND DEPARTMENT = :6 AND COMPANY = :7 AND JOB TITLE = :8 AND
ADDRESS_LINE1 = :9 AND ADDRESS_LINE2 = :10 AND ADDRESS_LINE3 = :11 AND ADDRESS_LINE4 = :12 AND ADDRESS_LINE5 = :13 AND
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ADDRESS_LINE6 = :14 AND STATE = :15 AND CITY = :16 AND ZIP_CODE = :17 AND PERSON_ID = :18 AND COUNTRY = :19 AND
DAY_PHONE = :20 AND EVENING_PHONE = :21 AND MOBILE_PHONE = :22 AND BEEPER = :23 AND OTHER_PHONE = :24 AND DAY_FAX_NO
= :25 AND EVENING_FAX_NO = :26 AND EMAILID = :27 AND ADDRESS_ID IS NULL AND ALTERNATE_EMAILID = :28
7atsgdavc2q78 SELECT /*YANTRA*/ /*+ CURSOR_SHARING EXACT parallel(yfs_task_q)*/ yfs_task_q.task_q_key, yfs_task_q.lockid
FROM yfs_task_q yfs_task_q WHERE TRANSACTION_KEY = :1 AND AVAILABLE_DATE <= SYSDATE AND TASK_Q_KEY > :2 AND
HOLD_FLAG <> :3 AND NOT EXISTS (SELECT /*+ NL AJ */ '1' FROM yfs_order_release_status yors WHERE yors.order_header_key =
yfs_task_q.data_key AND ( yors.status LIKE '1300%' OR yors.status LIKE '1310%') AND yors.status_quantity > 0 ) ORDER BY
TRANSACTION_KEY, TASK_Q_KEY, AVAILABLE_DATE
7ffz94rsgz8p8 SELECT /*YANTRA*/ yfs_inventory_node_control.* FROM yfs_inventory_node_control yfs_inventory_node_control
WHERE ORGANIZATION_CODE = :1 AND NODE_CONTROL_TYPE = :2 AND ( ITEM_ID = :3 AND UOM = :4 AND PRODUCT_CLASS = :5 OR
ITEM_ID = :SYS_B_0 AND UOM = :SYS_B_1 AND PRODUCT_CLASS = :SYS_B_2 ) AND INV_PIC_INCORRECT_TILL_DATE >= :6 AND
START_DATE < :7
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, CREATE_TS, MODIFY_TS, 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)
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 )
8d9zcdz3j0b3w SELECT obj_type, plan_id, description, creator, origin, created, last_modified, last_verified FROM sqlobj$auxdata
WHERE signature = :1 AND category = :2
8pvr9fks6m1r9 SELECT /*YANTRA*/ TO_CHAR(sysdate, :SYS_B_0)|| TO_CHAR(SEQ_YFS_TABLE_KEY.NEXTVAL) FROM DUAL
9cgyp6cvk2bt8 begin ctsys.drvdml.lock_opt_rebuild(:idxid, :idxpid, ctsys.drvdml.s_mode, null); end;
9fn83rvnxj1br SELECT /*YANTRA*/ yfs_item.* FROM yfs_item yfs_item WHERE ORGANIZATION_CODE = :1 AND ITEM_ID = :2 AND UOM = :3
a2csz6x8a0bzm SELECT SEQ_AUDIT_TABLE_KEY.NEXTVAL FROM DUAL
ahgqyy497mj2y MERGE /*+ INDEX(dest (signature category obj_type plan_id)) */ INTO sqlobj$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, parsing_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_gets, 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)
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_VALUE) 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_ALLOC_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

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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) 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_BUCKETS_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 (TM_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) SAMPLE_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_TYPE, 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))

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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

bhppqsguwqfxy INSERT /*YANTRA*/ INTO YFS_RES_POOL_CAPCTY_CONSUMPTN(RES_POOL_CAPCTY_CONSUMPTN_KEY, ADDITIONAL_CAPACITY2,
ADDITIONAL_CAPACITY1, RESOURCE_POOL_KEY, CONSUMPTION_DATE, START_TIME, END_TIME, ALLOCATED_CAPACITY_CONSUMED,
SERVICE_RESOURCE_ID, SERVICE_RESOURCE_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)

ccfrfn4vuht0 SELECT /*YANTRA*/ YFS_ORDER_HEADER.* FROM YFS_ORDER_HEADER YFS_ORDER_HEADER WHERE
(YFS_ORDER_HEADER.ORDER_HEADER_KEY = :1) FOR UPDATE

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)

dqy511zwmq69 SELECT /*YANTRA*/ YFS_ORDER_HEADER.* FROM YFS_ORDER_HEADER YFS_ORDER_HEADER WHERE (((

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5/24/22, 10:57 AM

AWR Report for DB: OQ05EODB, Inst: oq05eodb01, Snaps: 826-830

dys9z85j6dj7p

YFS_ORDER_HEADER.ORDER_HEADER_KEY = :1))) ORDER BY ORDER_HEADER_KEY

f3g7txqz3htz7

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

fqq27u174x4t1

SELECT /*YANTRA*/ YFS_ORG_RELATIONSHIP.* FROM YFS_ORG_RELATIONSHIP YFS_ORG_RELATIONSHIP WHERE RELATIONSHIP_TYPE_ID=:SYS_B_0"

fy3x05gfw59p0

SELECT /*YANTRA*/ YFS_ORDER_LINE.* FROM YFS_ORDER_LINE YFS_ORDER_LINE WHERE YFS_ORDER_LINE.ORDER_HEADER_KEY= :1

g8kyqmk26r01d

INSERT /*YANTRA*/ INTO YFS_AUDIT(AUDIT_KEY, AUDIT_TRAN_KEY, AUDIT_CONTEXT_ID, REFERENCE_1, REFERENCE_2, REFERENCE_3, REFERENCE_4, REFERENCE_5, REFERENCE_6, TABLE_NAME, TABLE_KEY, AUDIT_XML, OPERATION, LOCKID, CREATETS, MODIFYTS, CREATEUSERID, MODIFYUSERID, CREATEPROGID, MODIFYPROGID) values (:1 , :2 , :3 , :4 , :5 , :6 , :7 , :8 , :9 , :10 , :11 , :12 , :13 , :14 , :15 , :16 , :17 , :18 , :19 , :20)

ga3tgcrb6sjyp

SELECT IDX_NEXTID FROM DR\$INDEX WHERE IDX_ID = :B1 FOR UPDATE

ggtr5c0w7yph9

SELECT /*YANTRA*/ EOMS_BBYM_SUBSCBR_INFO.* FROM EOMS_BBYM_SUBSCBR_INFO EOMS_BBYM_SUBSCBR_INFO WHERE EOMS_BBYM_SUBSCBR_INFO.ORDER_LINE_KEY= :1

gvth7543gv1v1

INSERT /*YANTRA*/ INTO EOMS_PYMT_TRAN_DTL(PAYMENT_TRANSACTION_KEY, CHARGE_TRANSACTION_KEY, ORDER_HEADER_KEY, ORDER_NO, ENTERPRISE_KEY, PYMT_INSTRUCT, PYMT_OUTSTRUCT, REQ_TYPE, PAYMENT_TYPE, PAYMENT_STATUS, PYMT_REQ, PYMT_RES, ERROR_DOC, GC_SETTLE_DOC, 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 , :21)

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

[Back to SQL Statistics](#)

[Back to Top](#)

Instance Activity Statistics

- [Key Instance Activity Stats](#)
- [Instance Activity Stats](#)
- [Instance Activity Stats - Absolute Values](#)
- [Instance Activity Stats - Thread Activity](#)

[Back to Top](#)

Key Instance Activity Stats

- Ordered by statistic name

Statistic	Total	per Second	per Trans
db block changes	754,952,709	210,737.01	25.88
execute count	510,724,870	142,563.41	17.51
gc cr block receive time	1,054	0.29	0.00
gc cr blocks received	8,016	2.24	0.00
gc current block receive time	4,229	1.18	0.00
gc current blocks received	29,046	8.11	0.00
logons cumulative	17,485	4.88	0.00
opened cursors cumulative	551,863,147	154,046.72	18.92
parse count (total)	535,961,468	149,607.94	18.37
parse time elapsed	1,553,927	433.76	0.05
physical reads	22,731,307	6,345.20	0.78
physical writes	13,362,537	3,730.01	0.46
redo size	173,718,719,056	48,491,731.63	5,954.43
session cursor cache hits	549,751,225	153,457.20	18.84
session logical reads	10,577,766,726	2,952,671.01	362.57
user calls	1,759,620,199	491,179.25	60.31
user commits	8,958,868	2,500.77	0.31
user rollbacks	20,215,856	5,643.04	0.69
workarea executions - multipass	0	0.00	0.00
workarea executions - onepass	0	0.00	0.00
workarea executions - optimal	32,152,050	8,974.90	1.10

[Back to Instance Activity Statistics](#)

[Back to Top](#)

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	27,412,600	7,651.94	0.94
ASSM cbk:blocks marked full	2,209,420	616.74	0.08
ASSM gsp:L1 bitmaps examined	25,760,543	7,190.78	0.88
ASSM gsp:L2 bitmap full	229,427	64.04	0.01
ASSM gsp:L2 bitmaps examined	1,339,382	373.87	0.05
ASSM gsp:L3 bitmaps examined	236,626	66.05	0.01

ASSM gsp:Optimized index block rejects	0	0.00	0.00
ASSM gsp:Optimized reject DB	3,249,639	907.10	0.11
ASSM gsp:Optimized reject I1	243,734	68.04	0.01
ASSM gsp:Optimized reject I2	9,366	2.61	0.00
ASSM gsp:Search all	1,503	0.42	0.00
ASSM gsp:Search hint	628,873	175.54	0.02
ASSM gsp:Search steal	1,487	0.42	0.00
ASSM gsp:bump HWM	1,487	0.42	0.00
ASSM gsp:get free block	24,683,487	6,890.13	0.85
ASSM gsp:get free data block	23,573,119	6,580.19	0.81
ASSM gsp:get free index block	865,115	241.49	0.03
ASSM gsp:get free lob block	235,935	65.86	0.01
ASSM gsp:good hint	24,204,201	6,756.35	0.83
ASSM gsp:reject L1	124,461	34.74	0.00
ASSM gsp:reject L2	3,027	0.84	0.00
ASSM gsp:reject db	764,934	213.52	0.03
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	0	0.00	0.00
ASSM wasted db state change	247,934	69.21	0.01
Batched IO (bound) vector count	8,827	2.46	0.00
Batched IO (full) vector count	63	0.02	0.00
Batched IO (space) vector count	0	0.00	0.00
Batched IO block miss count	34,988	9.77	0.00
Batched IO buffer defrag count	1	0.00	0.00
Batched IO double miss count	34	0.01	0.00
Batched IO same unit count	17,471	4.88	0.00
Batched IO single block count	8,775	2.45	0.00
Batched IO slow jump count	0	0.00	0.00
Batched IO vector block count	8,984	2.51	0.00
Batched IO vector read count	149	0.04	0.00
Block Cleanout Optim referenced	13,394,980	3,739.07	0.46
CCursor + sql area evicted	806	0.22	0.00
CPU used by this session	25,189,586	7,031.40	0.86
CPU used when call started	25,031,019	6,987.14	0.86
CR blocks created	103,734,125	28,956.28	3.56
Cached Commit SCN referenced	17,033	4.75	0.00
Client Advertised Receive Window	37	0.01	0.00
Client Advertised Send Window	45	0.01	0.00
Client Path Maximum Transmission Unit(MTU)	71,535	19.97	0.00
Client Send Congestion Window	50	0.01	0.00
Client Time (usec) Last Ack Received	1	0.00	0.00
Client Time (usec) Last Data Received	0	0.00	0.00
Client Time (usec) Last Data Sent	175	0.05	0.00
Client Time (usec) Round Trip Time	175,244	48.92	0.01
Client Time (usec) Round Trip Time Variance	49,499	13.82	0.00
Client Total Bytes Acked	368,291	102.80	0.01
Client Total Bytes Received	147,542	41.18	0.01
Clusterwide global transactions	0	0.00	0.00
Commit SCN cached	1,759	0.49	0.00
DBWR checkpoint buffers written	12,575,262	3,510.25	0.43
DBWR checkpoints	485	0.14	0.00
DBWR fusion writes	463	0.13	0.00
DBWR object drop buffers written	324	0.09	0.00
DBWR parallel query checkpoint buffers written	245,760	68.60	0.01
DBWR tablespace checkpoint buffers written	0	0.00	0.00
DBWR thread checkpoint buffers written	2,168,681	605.36	0.07
DBWR transaction table writes	18,954	5.29	0.00
DBWR undo block writes	4,178,396	1,166.35	0.14
DDL statements parallelized	0	0.00	0.00
DFO trees parallelized	473	0.13	0.00
DML statements retried	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	1,960,001,078	547,113.44	67.18
HSC Compressed Segment Block Changes	3	0.00	0.00
HSC Heap Segment Block Changes	73,723,121	20,579.02	2.53
Heap Segment Array Deletes	0	0.00	0.00
Heap Segment Array Inserts	3,630,430	1,013.40	0.12
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	58,074	16.21	0.00
KTFB alloc space (block)	91,724,054,528	25,603,793.65	3,143.96
KTFB alloc time (ms)	9,749,333	2,721.42	0.33
KTFB apply req	57,483	16.05	0.00
KTFB apply time (ms)	1,851,059	516.70	0.06
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	1,490,541	416.07	0.05
PX local messages rcv'd	23,876	6.66	0.00
PX local messages sent	24,097	6.73	0.00
PX remote messages rcv'd	1,452	0.41	0.00
PX remote messages sent	3,393	0.95	0.00
Parallel operations not downgraded	496	0.14	0.00
Requests to/from client	774,689,746	216,246.40	26.55
RowCR - row contention	2,502,406	698.52	0.09
RowCR attempts	74,519,508	20,801.33	2.55
RowCR hits	43,044,929	12,015.53	1.48
SCN increments due to another database	0	0.00	0.00
SMON posted for undo segment shrink	0	0.00	0.00
SQL*Net roundtrips to/from client	774,714,417	216,253.28	26.55
SQL*Net roundtrips to/from dblink	0	0.00	0.00
TBS Extension: bytes extended	7,429,160,960	2,073,771.22	254.64
TBS Extension: files extended	56	0.02	0.00
TBS Extension: tasks created	12	0.00	0.00
TBS Extension: tasks executed	12	0.00	0.00
active txn count during cleanout	2,063,556,710	576,019.89	70.73
background checkpoints completed	21	0.01	0.00
background checkpoints started	20	0.01	0.00
background timeouts	51,511	14.38	0.00
blocks cleaned out using minact	2,326,819	649.51	0.08
branch node splits	3,067	0.86	0.00
buffer is not pinned count	1,784,880,800	498,230.48	61.18
buffer is pinned count	1,895,915,567	529,224.65	64.98
bytes received via SQL*Net from client	388,465,046,082	108,435,883.39	13,315.12
bytes received via SQL*Net from dblink	0	0.00	0.00
bytes sent via SQL*Net to client	1,906,687,168,160	532,231,431.14	65,354.08
bytes sent via SQL*Net to dblink	0	0.00	0.00
bytes via SQL*Net vector to client	0	0.00	0.00
calls to get snapshot scn: kcmgss	596,484,451	166,502.29	20.45
calls to kcmgas	59,395,913	16,579.74	2.04
calls to kcmgcs	624,743,665	174,390.55	21.41
cell physical IO interconnect bytes	1,325,868,487,168	370,102,077.68	45,445.79
change write time	592,379	165.36	0.02
cleanout - number of ktugct calls	174,415,991	48,686.37	5.98
cleanouts and rollbacks - consistent read gets	102,612,666	28,643.23	3.52
cleanouts only - consistent read gets	13,713,911	3,828.09	0.47
cluster key scan block gets	1,044,599	291.59	0.04
cluster key scans	1,044,007	291.42	0.04
commit batch performed	0	0.00	0.00
commit batch requested	0	0.00	0.00
commit batch/immediate performed	54,859	15.31	0.00
commit batch/immediate requested	54,859	15.31	0.00
commit cleanout failures: block lost	71,052	19.83	0.00
commit cleanout failures: buffer being written	3,350	0.94	0.00
commit cleanout failures: callback failure	16,926,813	4,724.94	0.58
commit cleanout failures: cannot pin	1,302,437	363.56	0.04
commit cleanouts	148,806,965	41,537.88	5.10
commit cleanouts successfully completed	130,503,293	36,428.61	4.47
commit immediate performed	54,859	15.31	0.00
commit immediate requested	54,859	15.31	0.00
commit txn count during cleanout	101,155,482	28,236.48	3.47
consistent changes	2,787,087,325	777,985.77	95.53
consistent gets	9,574,047,083	2,672,493.35	328.16
consistent gets direct	21,072,905	5,882.28	0.72

consistent gets examination	6,246,817,530	1,743,732.63	214.12
consistent gets examination (fastpath)	6,241,244,826	1,742,177.07	213.93
consistent gets from cache	9,552,975,997	2,666,611.58	327.44
consistent gets pin	3,306,160,154	922,879.42	113.32
consistent gets pin (fastpath)	3,227,758,872	900,994.54	110.64
cumulative DB time in requests	1,278,756,668,125	356,951,314.78	43,830.98
cursor authentications	34	0.01	0.00
cursor reload failures	0	0.00	0.00
data blocks consistent reads - undo records applied	2,778,554,623	775,603.95	95.24
db block changes	754,952,709	210,737.01	25.88
db block gets	1,003,815,288	280,204.35	34.41
db block gets direct	426,705	119.11	0.01
db block gets from cache	1,003,388,864	280,085.32	34.39
db block gets from cache (fastpath)	762,200,252	212,760.09	26.13
deferred (CURRENT) block cleanout applications	11,692,771	3,263.91	0.40
dirty buffers inspected	2,798	0.78	0.00
enqueue conversions	14,393	4.02	0.00
enqueue deadlocks	28	0.01	0.00
enqueue releases	41,854,950	11,683.36	1.43
enqueue requests	41,884,830	11,691.70	1.44
enqueue timeouts	32,752	9.14	0.00
enqueue waits	3,224,313	900.03	0.11
exchange deadlocks	71,304	19.90	0.00
execute count	510,724,870	142,563.41	17.51
failed probes on index block reclamation	24,523	6.85	0.00
file io service time	135,718,246	37,884.30	4.65
free buffer inspected	16,661,139	4,650.78	0.57
free buffer requested	122,873,368	34,298.79	4.21
gc blocks compressed	98,824	27.59	0.00
gc blocks lost	13	0.00	0.00
gc cleanout applied	1	0.00	0.00
gc cleanout saved	10	0.00	0.00
gc cr anti locks created	386,263	107.82	0.01
gc cr anti locks expanded	0	0.00	0.00
gc cr anti locks shrunk	6,862	1.92	0.00
gc cr block build time	20	0.01	0.00
gc cr block flush time	2,075	0.58	0.00
gc cr block receive time	1,054	0.29	0.00
gc cr blocks built	2,629	0.73	0.00
gc cr blocks flushed	2,606	0.73	0.00
gc cr blocks received	8,016	2.24	0.00
gc cr blocks served	95,850	26.76	0.00
gc cr multiblock grant time	643	0.18	0.00
gc cr multiblock grants received	7,113	1.99	0.00
gc current block flush time	12	0.00	0.00
gc current block pin time	0	0.00	0.00
gc current block receive time	4,229	1.18	0.00
gc current blocks flushed	17	0.00	0.00
gc current blocks pinned	0	0.00	0.00
gc current blocks received	29,046	8.11	0.00
gc current blocks served	3,564	0.99	0.00
gc force cr read cr	1	0.00	0.00
gc force cr read current	0	0.00	0.00
gc kbytes saved	1,131,903	315.96	0.04
gc kbytes sent	458,722	128.05	0.02
gc local grants	6,151,429	1,717.11	0.21
gc merge pi bg	0	0.00	0.00
gc merge pi fg	61	0.02	0.00
gc no change made	284	0.08	0.00
gc read time waited	1	0.00	0.00
gc read wait failures	0	0.00	0.00
gc read wait timeouts	0	0.00	0.00
gc read waits	2	0.00	0.00
gc reader bypass grants	4,263	1.19	0.00
gc reader bypass waits	34	0.01	0.00
gc remote grants	1,206,679	336.83	0.04
gc status messages received	596,299	166.45	0.02
gc status messages sent	3,543	0.99	0.00
gc undo block disk read	0	0.00	0.00
gcs affinity lock failures	11,891	3.32	0.00
gcs affinity lock grants	5,757,181	1,607.06	0.20

gcs anti-locks created	386,244	107.82	0.01
gcs data block access records	2,664,894	743.88	0.09
gcs messages sent	6,056,675	1,690.66	0.21
gcs read-mostly lock failures	233,994	65.32	0.01
gcs read-mostly lock grants	5,689	1.59	0.00
gcs stats management (SCM) process posts	0	0.00	0.00
ges messages sent	437,052	122.00	0.01
global enqueue gets async	71	0.02	0.00
global enqueue gets sync	240,997,247	67,271.82	8.26
global enqueue releases	240,955,904	67,260.28	8.26
heap block compress	17,173,441	4,793.78	0.59
hot buffers moved to head of LRU	24,954,235	6,965.71	0.86
immediate (CR) block cleanout applications	116,327,897	32,471.69	3.99
immediate (CURRENT) block cleanout applications	8,047,515	2,246.38	0.28
index crx state invalidation	0	0.00	0.00
index crx upgrade (positioned)	236,528	66.02	0.01
index crx upgrade (prefetch)	2	0.00	0.00
index fast full scans (direct read)	0	0.00	0.00
index fast full scans (full)	334	0.09	0.00
index fast full scans (rowid ranges)	0	0.00	0.00
index fetch by key	161,702,163	45,137.44	5.54
index range scans	302,294,161	84,382.20	10.36
index reclamation/extension switch	0	0.00	0.00
index split cancel op set	1,756	0.49	0.00
index split cancel wait clean	659	0.18	0.00
index split cancel wait noclean	519,656	145.06	0.02
java call heap collected bytes	0	0.00	0.00
java call heap collected count	0	0.00	0.00
java call heap gc count	0	0.00	0.00
java call heap live object count	0	0.00	0.00
java call heap live object count max	0	0.00	0.00
java call heap live size	0	0.00	0.00
java call heap live size max	0	0.00	0.00
java call heap object count	0	0.00	0.00
java call heap object count max	0	0.00	0.00
java call heap total size	0	0.00	0.00
java call heap total size max	0	0.00	0.00
java call heap used size	0	0.00	0.00
java call heap used size max	0	0.00	0.00
java session heap live object count	0	0.00	0.00
java session heap live object count max	0	0.00	0.00
java session heap live size	0	0.00	0.00
java session heap live size max	0	0.00	0.00
java session heap object count	0	0.00	0.00
java session heap object count max	0	0.00	0.00
java session heap used size	0	0.00	0.00
java session heap used size max	0	0.00	0.00
leaf node 90-10 splits	74,797	20.88	0.00
leaf node splits	855,193	238.72	0.03
lob reads	1,691,819	472.25	0.06
lob writes	1,456,996	406.70	0.05
lob writes unaligned	1,457,001	406.71	0.05
logical read bytes from cache	172,955,524,628,480	48,278,694,026.55	5,928,266.01
logons cumulative	17,485	4.88	0.00
max cf enq hold time	616	0.17	0.00
messages received	4,858,112	1,356.09	0.17
messages sent	4,858,112	1,356.09	0.17
min active SCN optimization applied on CR	145,803,900	40,699.61	5.00
no buffer to keep pinned count	146	0.04	0.00
no work - consistent read gets	3,069,829,371	856,910.20	105.22
non-idle wait count	1,015,994,471	283,604.04	34.82
opened cursors cumulative	551,863,147	154,046.72	18.92
parse count (describe)	1	0.00	0.00
parse count (failures)	24	0.01	0.00
parse count (hard)	146	0.04	0.00
parse count (total)	535,961,468	149,607.94	18.37
parse time cpu	1,300,675	363.07	0.04
parse time elapsed	1,553,927	433.76	0.05
physical read IO requests	3,138,967	876.21	0.11
physical read bytes	372,429,799,424	103,959,814.94	12,765.50
physical read total IO requests	3,577,400	998.59	0.12

physical read total bytes	555,612,100,096	155,093,204.66	19,044.30
physical read total multi block requests	485,993	135.66	0.02
physical reads	22,731,307	6,345.20	0.78
physical reads cache	1,630,149	455.04	0.06
physical reads cache prefetch	20,976	5.86	0.00
physical reads direct	21,101,166	5,890.17	0.72
physical reads direct (lob)	1,181,318	329.75	0.04
physical reads direct temporary tablespace	0	0.00	0.00
physical reads prefetch warmup	0	0.00	0.00
physical write IO requests	5,937,226	1,657.31	0.20
physical write bytes	218,931,757,056	61,112,470.01	7,504.16
physical write total IO requests	31,400,129	8,765.01	1.08
physical write total bytes	770,256,189,440	215,008,817.86	26,401.49
physical write total multi block requests	921,682	257.28	0.03
physical writes	13,362,537	3,730.01	0.46
physical writes direct	438,406	122.38	0.02
physical writes direct (lob)	417,691	116.59	0.01
physical writes direct temporary tablespace	5,800	1.62	0.00
physical writes from cache	12,924,131	3,607.63	0.44
physical writes non checkpoint	7,401,359	2,066.01	0.25
pinned buffers inspected	50,419	14.07	0.00
prefetch warmup blocks aged out before use	0	0.00	0.00
prefetched blocks aged out before use	0	0.00	0.00
process last non-idle time	3,583	1.00	0.00
queries parallelized	97	0.03	0.00
recovery blocks read	0	0.00	0.00
recursive aborts on index block reclamation	7	0.00	0.00
recursive calls	76,320,793	21,304.14	2.62
recursive cpu usage	1,983,057	553.55	0.07
redo KB read	174,060,483	48,587.13	5.97
redo blocks checksummed by FG (exclusive)	106,399,806	29,700.37	3.65
redo blocks written	357,014,420	99,656.78	12.24
redo blocks written (group 0)	208,884,021	58,307.75	7.16
redo blocks written (group 1)	148,090,629	41,337.92	5.08
redo buffer allocation retries	15,326	4.28	0.00
redo entries	476,932,819	133,130.72	16.35
redo log space requests	18,540	5.18	0.00
redo ordering marks	584,758	163.23	0.02
redo size	173,718,719,056	48,491,731.63	5,954.43
redo size for direct writes	6,915,357,284	1,930,348.39	237.03
redo subscn max counts	10,187	2.84	0.00
redo synch long waits	201,412	56.22	0.01
redo synch time	5,597,268	1,562.42	0.19
redo synch time (usec)	55,972,587,778	15,624,152.19	1,918.53
redo synch time overhead (usec)	5,060,812,324	1,412,671.90	173.47
redo synch time overhead count (2ms)	4,331,111	1,208.98	0.15
redo synch time overhead count (8ms)	431,564	120.47	0.01
redo synch time overhead count (32ms)	73,522	20.52	0.00
redo synch time overhead count (128ms)	4,273	1.19	0.00
redo synch time overhead count (inf)	156	0.04	0.00
redo synch writes	4,867,011	1,358.57	0.17
redo wastage	3,137,107,544	875,690.18	107.53
redo write active strands	12,635,308	3,527.01	0.43
redo write broadcast ack count	1,952	0.54	0.00
redo write broadcast ack time	2,678,266	747.61	0.09
redo write broadcast lgwr post count	1	0.00	0.00
redo write finish time	5,012,190,954	1,399,099.76	171.80
redo write gather time	2,021,542,898	564,292.19	69.29
redo write info find	4,840,797	1,351.26	0.17
redo write info find fail	183	0.05	0.00
redo write issue time	2,044,693,464	570,754.42	70.08
redo write schedule time	2,044,035,827	570,570.85	70.06
redo write size count (4KB)	70,847	19.78	0.00
redo write size count (8KB)	72,550	20.25	0.00
redo write size count (16KB)	52,583	14.68	0.00
redo write size count (32KB)	98,845	27.59	0.00
redo write size count (128KB)	600,300	167.57	0.02
redo write size count (256KB)	321,733	89.81	0.01
redo write size count (512KB)	119,328	33.31	0.00
redo write size count (1024KB)	32,043	8.94	0.00
redo write size count (inf)	4,963	1.39	0.00

redo write time	680,833	190.05	0.02
redo write time (usec)	6,808,312,163	1,900,467.88	233.36
redo write total time	8,276,737,104	2,310,363.08	283.70
redo write worker delay (usec)	5,643,940,125	1,575,445.82	193.45
redo write worker delay count	4,059,621	1,133.20	0.14
redo writes	1,373,196	383.31	0.05
redo writes (group 0)	693,090	193.47	0.02
redo writes (group 1)	680,086	189.84	0.02
redo writes adaptive all	1,373,194	383.31	0.05
redo writes adaptive worker	1,373,174	383.31	0.05
remote Oradebug requests	95	0.03	0.00
rollback changes - undo records applied	1,092,568	304.98	0.04
rollbacks only - consistent read gets	3,825,558	1,067.86	0.13
root node splits	0	0.00	0.00
rows fetched via callback	69,774,994	19,476.95	2.39
saved cleanout failures: callback failure	0	0.00	0.00
saved cleanouts	1	0.00	0.00
saved cleanouts successfully completed	1	0.00	0.00
securefile allocation bytes	950,272	265.26	0.03
securefile allocation chunks	46	0.01	0.00
securefile bytes non-transformed	74,948,703	20,921.13	2.57
securefile direct read bytes	0	0.00	0.00
securefile direct read ops	0	0.00	0.00
securefile direct write bytes	950,272	265.26	0.03
securefile direct write ops	46	0.01	0.00
securefile number of non-transformed flushes	11,766,302	3,284.44	0.40
segment cfs allocations	0	0.00	0.00
segment chunks allocation from dispenser	46	0.01	0.00
segment dispenser allocations	46	0.01	0.00
segment dispenser load empty	0	0.00	0.00
segment dispenser load tasks	1	0.00	0.00
segment prealloc bytes	1,048,576	292.70	0.04
segment prealloc ops	10	0.00	0.00
segment prealloc tasks	1	0.00	0.00
segment prealloc time (ms)	13	0.00	0.00
segment prealloc ufs2cfs bytes	0	0.00	0.00
segment total chunk allocation	0	0.00	0.00
session connect time	0	0.00	0.00
session cursor cache hits	549,751,225	153,457.20	18.84
session logical reads	10,577,766,726	2,952,671.01	362.57
shared hash latch upgrades - no wait	138,125,535	38,556.27	4.73
shared hash latch upgrades - wait	221,422	61.81	0.01
shared io pool buffer get success	46	0.01	0.00
sorts (disk)	0	0.00	0.00
sorts (memory)	67,034,526	18,711.97	2.30
sorts (rows)	159,236,953	44,449.30	5.46
sql area evicted	801	0.22	0.00
sql area purged	62	0.02	0.00
summed dirty queue length	64,617	18.04	0.00
switch current caused by our pin	8,163,976	2,278.89	0.28
switch current to new buffer	11,482,677	3,205.27	0.39
table fetch by rowid	1,502,217,868	419,328.13	51.49
table fetch continued row	10,751,114	3,001.06	0.37
table scan blocks gotten	777,708,875	217,089.16	26.66
table scan disk non-IMC rows gotten	46,636,818,322	13,018,171.50	1,598.54
table scan rows gotten	46,636,856,089	13,018,182.05	1,598.54
table scans (cache partitions)	0	0.00	0.00
table scans (direct read)	4,564	1.27	0.00
table scans (long tables)	4,564	1.27	0.00
table scans (rowid ranges)	4,564	1.27	0.00
table scans (short tables)	18,398,730	5,135.81	0.63
temp space allocated (bytes)	1,048,576	292.70	0.04
total cf enq hold time	36,893	10.30	0.00
total number of cf enq holders	1,719	0.48	0.00
total number of times SMON posted	1	0.00	0.00
transaction lock background get time	1	0.00	0.00
transaction lock background gets	232	0.06	0.00
transaction lock foreground requests	232	0.06	0.00
transaction rollbacks	54,851	15.31	0.00
transaction tables consistent read rollbacks	6,912	1.93	0.00
transaction tables consistent reads - undo records applied	81,115	22.64	0.00

undo change vector size	55,958,224,628	15,620,142.87	1,918.04
user calls	1,759,620,199	491,179.25	60.31
user commits	8,958,868	2,500.77	0.31
user logons cumulative	16,526	4.61	0.00
user logouts cumulative	17,741	4.95	0.00
user rollbacks	20,215,856	5,643.04	0.69
workarea executions - multipass	0	0.00	0.00
workarea executions - onepass	0	0.00	0.00
workarea executions - optimal	32,152,050	8,974.90	1.10
write clones created in background	33	0.01	0.00
write clones created in foreground	7,261	2.03	0.00

[Back to Instance Activity Statistics](#)
[Back to Top](#)

Instance Activity Stats - Absolute Values

- Statistics with absolute values (should not be diffed)

Statistic	Begin Value	End Value
logons current	9,734	8,514
opened cursors current	32,975	25,531
session cursor cache count	6,642,821	6,673,480
session pga memory	39,591,599,272	35,473,212,344
session pga memory max	53,048,216,008	49,076,148,184
session uga memory	605,268,645,120	608,794,923,416
session uga memory max	1,508,089,776,560	1,519,537,100,744
workarea memory allocated	8,102	567

[Back to Instance Activity Statistics](#)
[Back to Top](#)

Instance Activity Stats - Thread Activity

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

Statistic	Total	per Hour
log switches (derived)	20	20.10

[Back to Instance Activity Statistics](#)
[Back to Top](#)

IO Stats

- [IOStat by Function summary](#)
- [IOStat by Filetype summary](#)
- [IOStat by Function/Filetype summary](#)
- [Tablespace IO Stats](#)
- [File IO Stats](#)

[Back to Top](#)

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
Others	166.7G	56.71	47.648M	177.8G	139.00	50.833M	35.7K	2.20ms
LGWR	3M	0.07	.001M	341.6G	7073.53	97.652M	4M	1.99ms
Direct Reads	314.5G	413.49	89.902M	156M	2.78	.044M	0	
DBWR	13M	0.24	.004M	194.7G	1518.99	55.656M	843	1.33ms
Buffer Cache Reads	24.6G	447.33	7.034M	0M	0.00	0M	1.6M	2.26ms
RMAN	3.9G	65.44	1.11M	6M	0.10	.002M	233.2K	1.29ms
Direct Writes	6M	0.03	.002M	1.6G	27.59	.455M	39	1.33ms
TOTAL:	509.7G	983.31	145.7M	715.9G	8761.99	204.642M	5.9M	2.04ms

[Back to IO Stats](#)
[Back to Top](#)

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	347.2G	884.85	99.247M	203.8G	1656.77	58.241M	1.66ms	7.38ms
Log File	166G	47.59	47.448M	340.3G	7049.33	97.267M	1.58ms	5.28ms
Archive Log	1M	0.21	0M	165.9G	47.44	47.433M	3.10ms	
Control File	4G	68.71	1.153M	123M	2.21	.034M	866.38us	5.89ms
Other	293M	0.74	.082M	0M	0.00	0M	319.35us	294.93us
Temp File	108M	0.43	.03M	96M	0.26	.027M	2.94ms	4.87ms
TOTAL:	517.6G	1002.54	147.96M	710.2G	8756.00	203.003M	1.60ms	6.62ms

[Back to IO Stats](#)
[Back to Top](#)

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
Others	166.6G	56.40	47.618M	177.8G	139.00	50.833M	31.9K	1.97ms
Others (Log File)	166G	47.57	47.451M	0M	0.00	0M	246	1.76ms
Others (Archive Log)	0M	0.00	0M	165.9G	47.44	47.433M	0	
Others (Data File)	142M	2.54	.04M	11.8G	89.46	3.365M	9147	1.41ms
Others (Control File)	457M	6.29	.128M	110M	1.96	.031M	22.5K	2.20ms
Others (Temp File)	0M	0.00	0M	14M	0.14	.004M	0	
LGWR	3M	0.07	.001M	341.6G	7073.53	97.652M	340	1.12ms
LGWR (Log File)	0M	0.02	0M	341.6G	7073.40	97.65M	160	1.03ms
LGWR (Control File)	3M	0.05	.001M	7M	0.12	.002M	180	1.21ms
Direct Reads (Data File)	314.5G	413.49	89.902M	156M	2.78	.044M	0	
Direct Reads	314.5G	413.49	89.902M	156M	2.78	.044M	0	
DBWR	13M	0.24	.004M	194.7G	1518.99	55.656M	843	1.33ms
DBWR (Data File)	0M	0.00	0M	194.7G	1518.90	55.655M	0	
DBWR (Control File)	13M	0.24	.004M	0M	0.00	0M	843	1.33ms
DBWR (Temp File)	0M	0.00	0M	5M	0.09	.001M	0	
Buffer Cache Reads	24.6G	447.32	7.033M	0M	0.00	0M	1.6M	2.26ms
Buffer Cache Reads (Data File)	24.5G	446.90	7.003M	0M	0.00	0M	1.6M	2.25ms
Buffer Cache Reads (Temp File)	106M	0.41	.03M	0M	0.00	0M	1485	3.48ms
RMAN	3.7G	65.00	1.061M	6M	0.10	.002M	232.8K	1.29ms
RMAN (Control File)	3.6G	62.06	1.018M	6M	0.10	.002M	222.3K	1.27ms
RMAN (Data File)	152M	2.72	.042M	0M	0.00	0M	9760	1.52ms
RMAN (Archive Log)	1M	0.21	0M	0M	0.00	0M	764	3.63ms
Direct Writes	3M	0.02	.001M	1.6G	27.59	.455M	37	1.14ms
Direct Writes (Data File)	1M	0.01	0M	1.5G	27.57	.434M	0	
Direct Writes (Temp File)	0M	0.00	0M	77M	0.02	.021M	0	
Direct Writes (Control File)	2M	0.01	.001M	0M	0.00	0M	37	1.14ms
TOTAL:	509.4G	982.54	145.619M	715.9G	8761.99	204.642M	1.9M	2.13ms

[Back to IO Stats](#)
[Back to Top](#)

Tablespace IO Stats

No data exists for this section of the report.

[Back to IO Stats](#)
[Back to Top](#)

File IO Stats

No data exists for this section of the report.

[Back to IO Stats](#)
[Back to Top](#)

Buffer Pool Statistics

- [Buffer Pool Statistics](#)
- [Checkpoint Activity](#)

[Back to Top](#)

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	63,911,434	100	10,548,235,335	1,630,438	12,921,263	0	82	6,082,084
R	280,998	100	3,058	0	0	0	0	0

[Back to Buffer Pool Statistics](#)

[Back to Top](#)

Checkpoint Activity

- Total Physical Writes: 13,362,537

MTTR Writes	Log Size Writes	Log Ckpt Writes	Other Settings Writes	Autotune Ckpt Writes	Thread Ckpt Writes
5,592,308	0	0	0	6,732,917	0

[Back to Buffer Pool Statistics](#)

[Back to Top](#)

Advisory Statistics

- [Instance Recovery Stats](#)
- [MTTR Advisory](#)
- [Buffer Pool Advisory](#)
- [PGA Aggr Summary](#)
- [PGA Aggr Target Stats](#)
- [PGA Aggr Target Histogram](#)
- [PGA Memory Advisory](#)
- [Shared Pool Advisory](#)
- [SGA Target Advisory](#)
- [Streams Pool Advisory](#)
- [Java Pool Advisory](#)

[Back to Top](#)

Instance Recovery Stats

- B: Begin Snapshot, E: End Snapshot

	Target 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	1800	1800	953736	31944421	101921571	101921571	140491088		30901	795
E	1800	1748	926826	30134997	101921571	101921571	148820563		30743	771

[Back to Advisory Statistics](#)

[Back to Top](#)

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
180	173,455	551,219	2.12	559,008	2.09		
900	867,279	308,898	1.19	316,686	1.18		
1,800	1,734,558	259,570	1.00	267,358	1.00		
2,700	2,601,837	239,604	0.92	247,393	0.93		
3,600	3,469,116	235,740	0.91	243,528	0.91		

[Back to Advisory Statistics](#)

[Back to Top](#)

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	6,369	14.23	5,651,503	1	3469869.00
D	208,896	0.20	12,739	10.93	4,339,489	1	2626107.00
D	313,344	0.30	19,108	7.57	3,004,165	1	1767354.00
D	417,792	0.40	25,477	3.60	1,427,582	1	753447.00
D	522,240	0.50	31,846	2.27	901,796	1	415311.00
D	626,688	0.60	38,216	1.74	689,147	1	278556.00
D	731,136	0.70	44,585	1.38	548,745	1	188262.00
D	835,584	0.80	50,954	1.21	481,192	1	144819.00
D	940,032	0.90	57,324	1.06	422,766	1	107245.00
D	1,044,480	1.00	63,693	1.00	397,941	1	91280.00
D	1,048,064	1.00	63,911	1.00	397,036	1	90698.00
D	1,148,928	1.10	70,062	0.94	373,294	1	75429.00
D	1,253,376	1.20	76,431	0.89	352,490	1	62050.00
D	1,357,824	1.30	82,801	0.87	345,019	1	57245.00
D	1,462,272	1.40	89,170	0.84	333,150	1	49612.00
D	1,566,720	1.49	95,539	0.82	323,786	1	43590.00
D	1,671,168	1.59	101,909	0.81	320,838	1	41695.00
D	1,775,616	1.69	108,278	0.80	316,330	1	38795.00
D	1,880,064	1.79	114,647	0.78	311,588	1	35745.00
D	1,984,512	1.89	121,016	0.78	308,289	1	33624.00
D	2,088,960	1.99	127,386	0.75	298,934	1	27608.00
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	343	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	468	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

[Back to Advisory Statistics](#)
[Back to Top](#)

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
100.00	105,180	0

[Back to Advisory Statistics](#)
[Back to Top](#)

PGA Aggr Target Stats

- B: Begin Snap E: End Snap (rows identified 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	63,969.87	7.55	0.01	100.00	0.00	1,048,576
E	16,384	1,024	59,624.88	8.59	0.01	100.00	0.00	1,048,576

[Back to Advisory Statistics](#)
[Back to Top](#)

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	32,016,443	32,016,443	0	0
64K	128K	1,652	1,652	0	0
128K	256K	578	578	0	0
256K	512K	63,037	63,037	0	0
512K	1024K	7,737	7,737	0	0
1M	2M	1,473	1,473	0	0
2M	4M	259	259	0	0
4M	8M	1,384	1,384	0	0
8M	16M	371	371	0	0
16M	32M	29	29	0	0
32M	64M	12	12	0	0
128M	256M	3	3	0	0
256M	512M	1	1	0	0

[Back to Advisory Statistics](#)
[Back to Top](#)

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	8,032,078.53	2,407,314.37	77.00	140,414	325,479,294
4,096	0.25	8,032,078.53	2,407,314.37	77.00	140,412	325,479,294
8,192	0.50	8,032,078.53	2,288,681.28	78.00	140,282	321,780,553
12,288	0.75	8,032,078.53	2,257,681.25	78.00	139,713	320,814,034
16,384	1.00	8,032,078.53	33,732.83	100.00	139,592	251,475,791
19,661	1.20	8,032,078.53	19,916.12	100.00	139,559	251,045,014
22,938	1.40	8,032,078.53	19,916.12	100.00	139,517	251,045,014
26,214	1.60	8,032,078.53	19,834.95	100.00	139,370	251,042,483
29,491	1.80	8,032,078.53	19,834.95	100.00	139,284	251,042,483
32,768	2.00	8,032,078.53	19,834.95	100.00	133,038	251,042,483
49,152	3.00	8,032,078.53	18,838.48	100.00	9,329	251,011,415
65,536	4.00	8,032,078.53	18,838.48	100.00	0	251,011,415
98,304	6.00	8,032,078.53	18,838.48	100.00	0	251,011,415
131,072	8.00	8,032,078.53	18,838.48	100.00	0	251,011,415

[Back to Advisory Statistics](#)
[Back to Top](#)

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	2,705	44,187	304,584,049	1.00	200,501	1.00	207,915
61,440	0.60	5,223	67,994	304,584,058	1.00	200,492	1.00	207,916
71,680	0.70	5,223	67,994	304,584,058	1.00	200,492	1.00	207,916
81,920	0.80	5,223	67,994	304,584,058	1.00	200,492	1.00	207,916
92,160	0.90	5,223	67,994	304,584,058	1.00	200,492	1.00	207,916
97,280	0.95	5,223	67,994	304,584,058	1.00	200,492	1.00	207,916
97,792	0.96	5,223	67,994	304,584,058	1.00	200,492	1.00	207,916
98,304	0.96	5,223	67,994	304,584,058	1.00	200,492	1.00	207,916
98,816	0.97	5,223	67,994	304,584,058	1.00	200,492	1.00	207,916
99,328	0.97	5,223	67,994	304,584,058	1.00	200,492	1.00	207,916
99,840	0.98	5,223	67,994	304,584,058	1.00	200,492	1.00	207,916
100,352	0.98	5,223	67,994	304,584,058	1.00	200,492	1.00	207,916
100,864	0.99	5,223	67,994	304,584,058	1.00	200,492	1.00	207,916
101,376	0.99	5,223	67,994	304,584,058	1.00	200,492	1.00	207,916
101,888	1.00	5,223	67,994	304,584,058	1.00	200,492	1.00	207,916
102,400	1.00	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
102,912	1.01	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
103,424	1.01	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031

5/24/22, 10:57 AM

AWR Report for DB: OQ05EODB, Inst: oq05eodb01, Snaps: 826-830

103,936	1.02	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
104,448	1.02	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
104,960	1.03	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
105,472	1.03	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
105,984	1.04	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
106,496	1.04	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
107,008	1.05	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
112,640	1.10	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
122,880	1.20	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
133,120	1.30	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
143,360	1.40	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
153,600	1.50	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
163,840	1.60	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
174,080	1.70	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
184,320	1.80	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
194,560	1.90	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031
204,800	2.00	5,223	67,994	304,584,058	1.00	200,492	1.00	208,031

[Back to Advisory Statistics](#)

[Back to Top](#)

SGA Target Advisory

No data exists for this section of the report.

[Back to Advisory Statistics](#)

[Back to Top](#)

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

[Back to Advisory Statistics](#)

[Back to Top](#)

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	21	322	2	1.00	200,522	1.00	364
1,024	0.29	21	322	2	1.00	200,522	1.00	364
1,536	0.43	21	322	2	1.00	200,522	1.00	364
2,048	0.57	21	322	2	1.00	200,522	1.00	364
2,560	0.71	21	322	2	1.00	200,522	1.00	364
3,072	0.86	21	322	2	1.00	200,522	1.00	364
3,584	1.00	21	322	2	1.00	200,522	1.00	364
4,096	1.14	21	322	2	1.00	200,522	1.00	364
4,608	1.29	21	322	2	1.00	200,522	1.00	364
5,120	1.43	21	322	2	1.00	200,522	1.00	364
5,632	1.57	21	322	2	1.00	200,522	1.00	364

6,144	1.71	21	322	2	1.00	200,522	1.00	364
6,656	1.86	21	322	2	1.00	200,522	1.00	364
7,168	2.00	21	322	2	1.00	200,522	1.00	364
7,680	2.14	21	322	2	1.00	200,522	1.00	364
8,192	2.29	21	322	2	1.00	200,522	1.00	364

[Back to Advisory Statistics](#)
[Back to Top](#)

Wait Statistics

- [Buffer Wait Statistics](#)
- [Enqueue Activity](#)

[Back to Top](#)

Buffer Wait Statistics

- ordered by wait time desc, waits desc

Class	Waits	Total Wait Time (s)	Avg Time (ms)
data block	4,663,095	65,663	14
undo block	999,033	1,198	1
undo header	404,363	457	1
1st level bmb	22,346	17	1
segment header	1,587	4	2
2nd level bmb	170	0	1
3rd level bmb	6	0	8

[Back to Wait Statistics](#)
[Back to Top](#)

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)	2,645,640	2,644,410	701	2,567,943	211,712	82.44
TX-Transaction (allocate ITL entry)	50,517	19,516	30,955	41,599	27,364	657.81
TX-Transaction (index contention)	533,979	533,857	0	517,852	9,856	19.03
SQ-Sequence Cache	85,691	85,691	0	60,653	1,277	21.05
FB-Format Block	59,634	59,635	0	31,242	84	2.68
HW-Segment High Water Mark	281,144	280,562	582	636	35	55.41
TX-Transaction	10,721,966	10,717,716	0	390	20	52.41
WL-Being Written Redo Log	46	21	25	10	20	1,962.70
KO-Multiple Object Checkpoint (fast object checkpoint)	140	140	0	44	9	196.50
RO-Multiple Object Reuse (fast object reuse)	3,046	3,046	0	751	6	7.52
XR-Quiesce / Force Logging (database force logging)	1,158	1,158	0	1,158	4	3.39
CF-Controlfile Transaction	10,904	10,889	15	880	3	3.93
CR-Reuse Block Range (block range reuse ckpt)	1,510	1,510	0	383	2	3.98
PS-PX Process Reservation	4,408	4,375	31	634	1	2.22
PW-Buffer Cache PreWarm (flush prewarm buffers)	151	0	151	151	1	4.78
KI-KJCI Serialization Enqueue	639	639	0	213	0	2.06
TM-DML	23,785,744	23,731,637	0	12	0	24.08
CO-KTUCLO Master Slave enq (master slave det)	60	0	60	60	0	2.05
WF-AWR Flush	125	119	6	84	0	1.37
TO-Temp Object	686	686	0	18	0	2.56
PV-KSV slave startup (syncstart)	142	142	0	1	0	38.00
TA-Instance Undo	12	12	0	12	0	2.50
JS-Job Scheduler (job run lock - synchronize)	4	4	0	3	0	7.33
TK-Auto Task Serialization (Auto Task Serialization)	14	14	0	6	0	3.00
TD-KTF map table enqueue (KTF dump entries)	7	7	0	7	0	1.86
RS-Reclaimable Space (prevent file delete)	764	764	0	1	0	11.00
JG-Job Scheduler1 (queue lock)	491,765	491,765	0	1	0	6.00
PD-Property Lock	12	12	0	1	0	5.00
TK-Auto Task Serialization (Auto Task Slave Lockout)	4	4	0	1	0	5.00
DR-Distributed Recovery	2	2	0	2	0	2.00
MW-MWIN Schedule	2	2	0	2	0	2.00
RS-Reclaimable Space (prevent aging list update)	34	34	0	2	0	1.50

RS-Reclaimable Space (read alert level)	8	8	0	2	0	1.50
RS-Reclaimable Space (write alert level)	22	22	0	2	0	1.00
UL-User-defined	2,078,940	2,078,793	0	0	0	
JG-Job Scheduler1	491,765	491,765	0	0	0	
MR-Media Recovery	354,685	354,672	0	0	0	
TT-Tablespace	256,449	256,449	0	0	0	
SE-Session Migration	17,680	17,677	0	0	0	
JG-Job Scheduler1 (q mem clnup lck)	15,610	15,610	0	0	0	
DD-ASM Local Disk Group	4,536	4,536	0	0	0	
SJ-KTSJ Slave Task Cancel (Slave Task Cancel)	2,810	2,814	0	0	0	
AE-Edition Lock (lock)	1,411	1,411	0	0	0	
AM-ASM Enqueue (ASM file descriptor)	1,258	1,258	0	0	0	
RC-Result Cache: Enqueue (Result Cache: Contention)	1,256	1,256	0	0	0	
IS-Instance State	887	887	0	0	0	
BU-Buddy Instance Context (recovery set construct)	767	767	0	0	0	
DA-Instance DP Array (Slave Process Array)	507	507	0	0	0	
FP-File Object (global fob contention)	196	196	0	0	0	
SH-Active Session History Flushing	158	158	0	0	0	
PR-Process Startup	152	152	0	0	0	
CT-Block Change Tracking (CTWR process start/stop)	140	140	0	0	0	
CU-Cursor	104	104	0	0	0	
WT-AWR CDB-Wide Table Lock	103	103	0	0	0	
PZ-Password File Metadata Cache (load passwordfile metadata)	70	70	0	0	0	
IT-In-Mem Temp Table Meta Creation	64	64	0	0	0	
TH-Threshold Chain (metric threshold evaluation)	60	60	0	0	0	
FD-Flashback Database (Flashback logical operations)	56	56	0	0	0	
MV-Online Datafile Move (datafile move)	56	56	0	0	0	
SW-Suspend Writes	56	56	0	0	0	
XL-ASM Extent Fault Lock (fault extent map)	56	56	0	0	0	
JZ-Join group dictionary (Join group dictionary)	46	46	0	0	0	
PF-Password File	35	35	0	0	0	
AF-Advisor Framework (task serialization)	34	34	0	0	0	
PV-KSV slave startup (syncshut)	14	14	0	0	0	
DW-In memory Dispenser	10	9	1	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	

[Back to Wait Statistics](#)
[Back to Top](#)

Undo Statistics

- [Undo Segment Summary](#)
- [Undo Segment Stats](#)

[Back to Top](#)

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 Concurrency	Min/Max TR (mins)	STO/ OOS	uS/uR/uU/ eS/eR/eU
2	4,237.06	10,892,887	1,893	1,548	240/240	0/0	0/0/0/0/4480776

[Back to Undo Statistics](#)
[Back to Top](#)

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
17-May 03:58	710,336	1,804,458	1,872	1,413	240	0/0	0/0/0/0/885330
17-May 03:48	677,059	1,804,792	428	1,401	240	0/0	0/0/0/0/748889
17-May 03:38	733,003	1,801,042	1,893	1,426	240	0/0	0/0/0/0/738411
17-May 03:28	682,964	1,796,901	1,433	1,358	240	0/0	0/0/0/0/680067
17-May 03:18	711,007	1,814,251	505	1,451	240	0/0	0/0/0/0/697939
17-May 03:08	722,692	1,871,443	241	1,548	240	0/0	0/0/0/0/730140

[Back to Undo Statistics](#)[Back to Top](#)

Latch Statistics

- [Latch Activity](#)
- [Latch Sleep Breakdown](#)
- [Latch Miss Sources](#)
- [Mutex Sleep Summary](#)
- [Parent Latch Statistics](#)
- [Child Latch Statistics](#)

[Back to Top](#)

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	119	0.00		0	0	
AQ Message drive state object latch	4	0.00		0	0	
AQ Sharded master pool latch	119	0.00		0	0	
AQ Slave freSivL_kwsbgsgn latch	4	0.00		0	0	
AQ deq hash table latch	4	0.00		0	0	
ASM Keyed state latch	19,456	0.06	0.00	0	0	
ASM allocation	25,886	0.01	0.00	0	0	
ASM connection state latch	69,193	0.00		0	0	
ASM db client latch	4,146	0.00		0	0	
ASM map headers	1,224,018	0.00		0	0	
ASM map load waiting list	2,602	0.00		0	0	
ASM map operation freelist	4,728	0.02	0.00	0	0	
ASM map operation hash table	75,411,731	1.33	0.01	10	0	
ASM network SGA latch	40	0.00		0	0	
ASM network background latch	84,719	0.00		0	0	
ASM network state latch	2,460	0.00		0	0	
ASM remote client latch	60	0.00		0	0	
ASM scan context latch	40	0.00		0	0	
AWR Alerted Metric Element list	616,079	0.00		0	0	
Change Notification Hash table latch	1,861	0.00		0	0	
Column stats entry latch	4	0.00		0	0	
Consistent RBA	1,382,560	0.52	0.04	1	0	
DML lock allocation	155,542,853	0.12	0.16	170	0	
Event Group Locks	26,599	0.03	0.00	0	0	
FAL Queue	246	0.00		0	0	
FIB s.o chain latch	2,746	0.00		0	0	
FOB consolidated s.o list latch	2,704	0.00		0	0	
File State Object Pool Parent Latch	4	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	41,254	0.00
I/O Statictics latch	4	0.00		0	0	
ILM Stats Stripe Latch	4	0.00		0	0	
ILM Stats main anchor latch	64,462	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	7,809	0.00		0	0	
JS broadcast add buf latch	7,910	0.00		0	0	
JS broadcast drop buf latch	7,910	0.00		0	0	

JS broadcast load blnc latch	506	0.00		0	0	
JS global state obj latch	39	0.00		0	0	
JS mem alloc latch	32	0.00		0	0	
JS queue access latch	39	0.00		0	0	
JS queue state obj latch	983,528	0.00		0	0	
JS slv state obj latch	45	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 bil 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	268,345	0.00		0	0	
KFMD SGA	1,169	0.00		0	0	
KGNFS-NFS:SHM structure	44	0.00		0	0	
KGNFS-NFS:SVR LIST	1,478	0.00		0	0	
KJC message pool KGH calls	9	0.00		0	0	
KJC message pool free list	1,225,668	0.09	0.08	0	214,458	0.98
KJC message pool pending avail list	4	0.00		0	1,240,901	0.20
KJCT flow control latch	13,926,516	0.03	0.03	0	0	
KMG MMAN ready and startup request latch	1,194	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	
KSFS name cache parent latch	4	0.00		0	0	
KSGS LS Segment latch	4	0.00		0	0	
KSGS SGA anchor latch	4	0.00		0	0	
KSIPC ASPC anchor latch	4	0.00		0	0	
KSIPC SGA allocation parent latch	50,879	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	8,011	0.00		0	21	0.00
KSXR hang analysis phase 2 latch	321	0.00		0	3	0.00
KSXR large replies	6	0.00		0	0	
KTF sga latch	14	0.00		0	1,201	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	196	0.00		0	0	
KWQS pqueue ctx latch	40	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	70,545	0.01	0.60	0	0	
MGA asr alloc latch	59	0.00		0	0	
MGA heap latch	23,439	0.29	0.68	0	0	
MGA shared context latch	166,695	0.50	1.08	5	0	
MGA shared context root latch	38,975	4.25	1.65	23	0	
MMON per PDB bit map latch	30	0.00		0	0	
MQL Tracking Latch	0			0	72	0.00
Memory Management Latch	0			0	1,194	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	168	3.57	0.00	0	0	
Mutex	4	0.00		0	0	
Mutex Stats	4	0.00		0	0	
Nologging Standby SCN Time Map cache	1,194	0.00		0	0	
ODM-NFS:Global file structure	60	0.00		0	0	
OS process	52,955	0.00		0	0	
OS process allocation	27,234	0.01	0.33	0	0	
OS process: request allocation	19,458	0.04	0.29	0	0	
PDB Hash Table Latch	4	0.00		0	0	
PDB LRU structure	4	0.00		0	0	
PL/SQL warning settings	17,483	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	20	0.00		0	0	
Real-time descriptor latch	1,524,570	0.00	0.42	0	0	
Report Request stats latch	325	0.00		0	0	
Report Request struct latch	245	0.00		0	0	
Request holder compeltion list latch	342	0.00		0	0	
Reserved Space Latch	34	0.00		0	0	
Result Cache: MB Latch	2,500	0.00		0	0	
Result Cache: RC Latch	2,500	0.00		0	0	
Retry Ht elm latch	4	0.00		0	0	
Retry bkt latch	4	0.00		0	0	
SGA Blackbox latch	40	0.00		0	0	
SGA IO buffer pool latch	865	0.00		0	865	0.23
SGA Logging Bkt Latch	4	0.00		0	0	
SGA Logging Log Latch	159,196	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	16,176	0.01	1.00	0	12,422	0.02
SQL memory manager latch	4	0.00		0	1,135	0.00
SQL memory manager workarea list latch	321,950	0.00	0.00	0	0	
SR Stats Stripe Latch	4	0.00		0	0	
Sched IM Job latch	64	0.00		0	0	
Sched InMem Job Cache	40	0.00		0	0	
Shared B-Tree	386	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	684,808	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	3,488,579	1.19	0.05	5	0	
active service list	845,526	0.04	0.35	1	4,484	0.00
alert log latch	60	0.00		0	0	
archive destination	1,075	0.00		0	0	
archive process	473	0.00		0	0	
begin backup scn array	415,375	0.01	0.05	0	0	
buffer pool	4	0.00		0	0	
business card	963	0.00		0	0	
cache buffer handles	708,437	0.10	0.02	0	0	
cache buffers chains	16,550,035,667	0.06	0.16	5307	122,655,259	0.93
cache buffers lru chain	73,332,224	0.22	0.11	70	204,616,833	0.27

cache table scan latch	962	0.00		0	962	0.00
call allocation	4,638,436	0.62	0.14	33	0	
change notification client cache latch	4	0.00		0	0	
channel handle pool latch	42,584	0.06	0.04	0	0	
channel operations parent latch	96,118	0.12	0.04	0	28	0.00
checkpoint queue latch	525,180,663	0.00	0.07	6	12,891,422	0.01
client/application info	55,671	0.00		0	0	
compile environment latch	17,561	0.01	0.00	0	0	
corrupted undo seg latch	3,332,694	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	60	0.00		0	0	
cp srv type state latch	3,586	0.00		0	0	
cp srv type wait latch	4	0.00		0	0	
cr slave free list	97	0.00		0	3	0.00
cvmap freelist lock	4	0.00		0	0	
database property service latch	24	0.00		0	0	
deferred cleanup latch	60	0.00		0	0	
dml lock allocation	60	0.00		0	0	
done queue latch	4	0.00		0	0	
dtp latch	10,499	0.04	0.00	0	0	
dummy allocation	36,200	0.11	0.03	0	0	
eighth spare latch - X parent	4	0.00		0	0	
eleventh spare latch - children	4	0.00		0	0	
enqueue freelist latch	4	0.00		0	14,540,397	0.00
enqueue hash chains	148,182,007	0.33	0.11	984	499,298	0.11
enqueues	1,703	0.00		0	0	
error message lists	2,843	0.49	0.00	0	0	
fast space usage latch	46	0.00		0	0	
fifteenth spare latch - children	4	0.00		0	0	
file cache latch	119,812	0.20	0.17	0	0	
first Audit Vault latch	1,343	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	42,402,950	0.05	0.04	4	2,981,791	0.26
gc imc list	6,145	4.02	0.00	0	0	
gc persistent rm	6	0.00		0	0	
gcr global ctx	140	0.00		0	0	
gcs affinity object freelist latch	31	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	212,524	0.00	0.00	0	0	
gcs opaque info freelist	963,516	0.00	0.00	0	0	
gcs partitioned table hash	49,972,577	0.05	0.00	0	6,206,206	0.05
gcs pcm hashed value bucket hash	4	0.00		0	0	
gcs remaster request queue	726,773	0.00	1.00	0	0	
gcs remastering latch	1,708,611	0.31	0.05	27	144,241	0.26
gcs resource freelist	3,285,390	0.00	0.33	0	472,436	0.01
gcs resource hash	30,183,434	0.01	0.26	1	37	0.00
gcs resource scan list	6	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	178,433	0.00	1.00	0	0	
ges DFS wait callback info	61	0.00		0	1	0.00
ges cached resource lists	41,674,380	0.29	0.03	25	3,269,933	0.33
ges deadlock list	6,162,873	0.31	0.02	2	748	0.27
ges domain table	480,667,142	0.02	0.01	6	0	
ges enqueue table freelist	63,012,939	0.06	0.12	36	0	
ges group table	480,591,474	0.05	0.01	16	0	
ges process hash list	6,340,850	0.00	0.00	0	0	
ges process parent latch	970,933,323	0.00	0.43	12	174	0.00
ges process table freelist	19,458	0.06	0.00	0	0	
ges remote lock freelist	1,028	0.00		0	0	
ges resource hash list	698,189,052	7.32	0.10	469172	2,521,188	0.42
ges resource scan list	3,004,917	0.04	0.02	0	0	
ges resource table freelist	2,574,181	0.01	0.07	0	0	
ges s-lock bitvec freelist	4,480	0.04	0.00	0	0	

ges timeout list	91,283	0.38	0.04	0	1,018,885	0.02
ges value block free list	12	0.00		0	0	
global KZLD latch for auth type mem in SGA	54,740	0.01	0.00	0	0	
global KZLG latch for AD domain memory in SGA	7,584	0.00		0	0	
global KZLG latch for memory in SGA	7,584	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	697	0.00		0	48	0.00
hash table column usage latch	66	0.00		0	3,906	0.00
hash table expression usage tracking latch	1,032	1.65	0.00	0	0	
hash table sql contorl latch	4	0.00		0	0	
heartbeat check	4	0.00		0	8,679	0.00
heartbeat structure management	0			0	1,748	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	1,362	0.07	0.00	0	0	
internal temp table object number allocation latch	98	0.00		0	0	
interrupt manipulation	9,766	0.94	0.00	0	0	
intra txn parallel recovery	4	0.00		0	0	
io pool granule list	92	0.00		0	0	
io pool granule metadata list	188	0.00		0	0	
job workq parent latch	8	0.00		0	4	0.00
job_queue_processes free list latch	15	0.00		0	0	
jslv pdb context latch	7	0.00		0	0	
k2q global data latch	2,388	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	20	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	68	0.00		0	0	
kgb parent	4	0.00		0	0	
kgnfs mount latch	4	0.00		0	0	
kjbr roi instance map	4	0.00		0	0	
kjci objects freelist latch	1,020,108	0.02	0.02	0	0	
kjci process context latch	970,914	0.09	0.28	0	588,464	0.00
kjci process list latch	386,590	12.66	0.93	60	0	
kjci request sequence latch	127,382	0.00		0	0	
kjciptcx state object freelist latch	3,920	0.15	0.00	0	0	
kjoedcso state object freelist latch	60	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	118	0.00		0	0	
kjsc Request obj freelist latch	2,940	0.00		0	0	
kjsc Ring Buffer obj freelist latch	1,470	0.00		0	0	
kjsc protect control request queue	1,470	0.00		0	35,821	0.00
kjsc protect warm up context	954	0.00		0	0	
kjsca pkey obj freelist latch	1,183	0.00		0	0	
kjsca protect pkey hash table bucket	48,672	0.00		0	0	
kjsca protect service hash table bucket	16,657	0.00		0	0	
kjsca service obj freelist latch	9	0.00		0	0	
kjscpss state object freelist latch	1,470	0.00		0	0	
kokc descriptor allocation latch	10	0.00		0	0	
kpoxft latch	0			0	2,474	0.16
krbmrosl	55,390	0.00		0	0	
krso process	177	0.00		0	0	
ksevn object root latch	1,194	0.00		0	0	
ksfv messages	4	0.00		0	0	
ksi resource reuse count	4	0.00		0	0	
ksim group membership cache	39,432	0.01	0.00	0	0	
ksim membership request latch	0			0	2,510	0.00

ksm_pga_um_list_latch	4	0.00		0	0	
ksm_pga_um_root_latch	1,194	0.00		0	0	
ksns object latch	4	0.00		0	0	
kss move lock	290	0.00		0	0	
ksuosstats global area	345	0.29	2.00	0	1,243	0.48
ksutcpistat latch	4	0.00		0	0	
kssv allocation latch	635	0.00		0	0	
kssv class latch	110,454	0.04	0.19	0	12	0.00
kssv instance latch	26	0.00		0	0	
kssv msg queue latch	4,828	0.04	0.50	0	4,782	0.02
ksxp shared latch	19,458	0.03	0.00	0	0	
ksxp so latch	19,458	0.03	0.00	0	0	
ksz_so allocation latch	19,458	0.05	0.33	0	0	
ktfbn latch	772	0.00		0	0	
ktm adg jrnl	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	96	0.00		0	0	
ktm prv jrnl	4	0.00		0	0	
ktmpj HT ls	4	0.00		0	0	
kwqbsn:qsga	142	0.00		0	0	
kwslbmdl: metadata latch	137	0.00		0	0	
kwslbql: queue latch	4	0.00		0	0	
kwsbutl: 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	1,535,388	10.16	0.02	9	0	
list of block allocation	10,637,118	0.01	0.11	1	0	
loader state object freelist	2,656,616	0.15	0.04	1	0	
lob segment dispenser latch	98	0.00		0	0	
lob segment hash table latch	288	0.00		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	2,665,141	0.19
log write worker phase	816,619	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	90	0.00		0	86	0.00
managed standby	121	0.00		0	0	
message bitmap latch	4	0.00		0	0	
message pool operations parent latch	13,856	0.00		0	0	
messages	11,001,472	1.44	0.02	15	0	
msg queue latch	4	0.00		0	0	
multiblock read objects	5,468	0.00		0	0	
name-service memory objects	13,362	0.00		0	0	
name-service namespace bucket	47,935	0.00		0	0	
name-service pending queue	12,158	0.00		0	0	
name-service request	120	0.00		0	0	
name-service request queue	52,614	0.00		0	0	
ncodef allocation latch	60	0.00		0	0	
ninth spare latch - X parent	4	0.00		0	0	
object queue header freelist	1,935,606	0.00		0	0	
object queue header operation	73,410,313	0.01	0.14	13	66,023,513	0.00
object queue memory	4	0.00		0	0	
object stats modification	32,130	0.00	0.00	0	0	
parallel query alloc buffer	15,788	1.10	0.04	0	10,900	0.00
parallel query stats	2,241	1.29	0.00	0	0	
parallel txn reco latch	91,152	0.00		0	0	
parameter table management	19,638,462	0.11	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	323	0.00		0	0	
policy information	1,362	0.00		0	0	
post/wait queue	26,279,982	1.18	0.03	13	9,940,083	0.22
process allocation	36,385	1.00	1.03	4	0	
process group creation	19,458	0.00		0	0	
process memory detail	4	0.00		0	0	
process pkey statistics list	4	0.00		0	0	
process queue	8,144	0.45	0.00	0	0	
process queue reference	204,438,148	0.04	0.01	0	5,456,311	3.93
qmn task queue latch	533	0.00		0	0	
quarantine object	59	0.00		0	0	
query server freelists	9,030	0.00		0	0	
query server process	2,858	0.00		0	20	0.00
queued dump request	231	0.00		0	0	
queuing load statistics	4	0.00		0	0	
read-mostly lock queue under pkey	4	0.00		0	0	
recovery domain hash bucket	112,812	0.05	0.00	0	0	
redo allocation	27,351,107	6.43	0.05	256	475,988,570	3.36
redo copy	40	90.00	1.08	1	476,939,180	0.26
redo gen encryption key structure	20	0.00		0	0	
redo transport task	344	0.00		0	0	
redo writing	18,909,157	0.64	0.30	199	0	
remote tool request latch	18,713	0.01	0.00	0	0	
reservation so alloc latch	20	0.00		0	0	
resmgr group change latch	3,184	0.03	0.00	0	0	
resmgr:active threads	37,463	19.06	1.01	135	35,825	0.82
resmgr:actses change group	2,684	0.00		0	0	
resmgr:actses change state	46	0.00		0	0	
resmgr:free threads list	36,826	4.70	0.98	42	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	59	0.00		0	0	
resmgr:resource group CPU method	1,180	0.00		0	0	
resmgr:schema config	992	0.60	0.50	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	1,748	0.00
rules engine rule set statistics	400	0.00		0	0	
second Audit Vault latch	4	0.00		0	0	
segmented array pool	2,292	0.00		0	0	
sequence cache	140,058,031	4.72	0.02	1145	0	
service drain list	3,577	0.00		0	0	
session allocation	25,137,810	0.01	0.01	0	25,100,739	0.01
session idle bit	3,568,855,259	0.02	0.00	0	0	
session queue latch	4	0.00		0	0	
session state list latch	35,901	0.13	0.00	0	0	
session statistics	36,231	0.01	0.00	0	0	
session switching	10,611	0.12	0.00	0	15	0.00
session timer	1,194	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	130	0.00		0	0	
shared pool	3,011,775	0.17	0.06	1	118	0.00
shared pool sim alloc	6	0.00		0	0	
shared pool simulator	1,872	0.00		0	0	
shared server configuration	3,577	0.00		0	0	
sim partition latch	20	5.00	0.00	0	105,519	0.11
simulator hash latch	629,343,550	0.00	0.07	1	0	
simulator lru latch	4	0.00		0	629,060,965	0.94
sixth spare latch - X parent	4	0.00		0	0	
sort extent pool	963,548	0.00		0	0	
space background state object latch	190	0.00		0	0	
space background task latch	9,690	48.94	0.88	10	2,652	2.41
state object free list	48	0.00		0	0	
statistics aggregation	72	0.00		0	0	
subscriber Ht bkt	4	0.00		0	0	
tablespace key chain	12,313,567	0.10	0.00	0	0	

temp lob duration state obj allocation	384,291	0.00		0	0
temporary table state object allocation	448	2.46	0.00	0	0
tenth spare latch - X parent	4	0.00		0	0
test excl. parent I0	4	0.00		0	0
test excl. parent2 I0	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	279	0.00		0	0
transaction allocation	14,339,612	0.01	0.27	2	0
transaction branch allocation	1,196	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	3,834,483,343	1.13	0.04	21584	5
virtual circuit buffers	4	0.00		0	0
virtual circuit holder	4	0.00		0	0
virtual circuit queues	4	0.00		0	0

[Back to Latch Statistics](#)
[Back to Top](#)

Latch Sleep Breakdown

- ordered by misses desc

Latch Name	Get Requests	Misses	Sleeps	Spin Gets
ges resource hash list	698,189,052	51,103,818	4,953,071	46,388,296
undo global data	3,834,483,343	43,504,838	1,798,847	41,795,855
cache buffers chains	16,550,035,667	9,970,856	1,607,554	8,460,319
sequence cache	140,058,031	6,606,669	134,114	6,476,900
redo allocation	27,351,107	1,758,090	88,163	1,671,655
ASM map operation hash table	75,411,731	1,003,587	12,179	991,856
enqueue hash chains	148,182,007	493,179	56,577	440,707
post/wait queue	26,279,982	309,948	8,061	302,212
ges group table	480,591,474	254,451	3,504	251,028
DML lock allocation	155,542,853	191,948	31,605	165,165
cache buffers lru chain	73,332,224	163,475	18,113	146,023
messages	11,001,472	158,546	3,498	155,117
lgwr LWN SCN	1,535,388	155,966	3,042	152,993
ges cached resource lists	41,674,380	122,635	4,125	118,593
redo writing	18,909,157	121,757	36,661	85,858
ges domain table	480,667,142	87,828	817	87,023
process queue reference	204,438,148	72,877	843	72,146
kjci process list latch	386,590	48,932	45,747	3,687
active checkpoint queue latch	3,488,579	41,404	2,068	39,379
ges enqueue table freelist	63,012,939	35,396	4,084	31,388
call allocation	4,638,436	28,545	3,862	24,777
gc element	42,402,950	22,548	972	21,600
checkpoint queue latch	525,180,663	21,976	1,591	20,402
ges deadlock list	6,162,873	19,395	375	19,027
object queue header operation	73,410,313	9,996	1,439	8,584
ges process parent latch	970,933,323	9,912	4,291	5,629
Consistent RBA	1,382,560	7,162	262	6,905
resmgr:active threads	37,463	7,140	7,229	7
gcs remastering latch	1,708,611	5,302	246	5,058
shared pool	3,011,775	5,043	304	4,746
KJCT flow control latch	13,926,516	4,759	149	4,617
space background task latch	9,690	4,742	4,158	605
loader state object freelist	2,656,616	3,960	142	3,820
session allocation	25,137,810	2,914	26	2,888
simulator hash latch	629,343,550	2,587	184	2,412
gcs resource hash	30,183,434	2,228	588	1,692
transaction allocation	14,339,612	2,066	562	1,573

resmgr:free threads list	36,826	1,730	1,699	65
MGA shared context root latch	38,975	1,655	2,737	8
list of block allocation	10,637,118	1,580	177	1,410
ges resource scan list	3,004,917	1,284	20	1,264
KJC message pool free list	1,225,668	1,155	98	1,057
kjci process context latch	970,914	863	240	623
MGA shared context latch	166,695	841	908	27
cache buffer handles	708,437	695	11	684
process allocation	36,385	363	373	7
active service list	845,526	348	123	235
ges timeout list	91,283	343	15	329
log write worker phase	816,619	252	3	249
kjci objects freelist latch	1,020,108	244	6	238
file cache latch	119,812	234	39	197
parallel query alloc buffer	15,788	173	7	166
ges resource table freelist	2,574,181	169	12	157
channel operations parent latch	96,118	118	5	113
gcs resource freelist	3,285,390	76	25	51
MGA heap latch	23,439	68	46	27
ksv class latch	110,454	48	9	39
dummy allocation	36,200	40	1	39
begin backup scn array	415,375	39	2	37
redo copy	40	36	39	0
channel handle pool latch	42,584	24	1	23
Real-time descriptor latch	1,524,570	19	8	11
ksz_so allocation latch	19,458	9	3	6
OS process: request allocation	19,458	7	2	5
resmgr:schema config	992	6	3	3
Lsod array latch	70,545	5	3	2
OS process allocation	27,234	3	1	2
gcs remaster request queue	726,773	2	2	0
ksv msg queue latch	4,828	2	1	1
SO private so latch	16,176	1	1	0
gcs shadows freelist	178,433	1	1	0
ksuosstats global area	345	1	2	0

[Back to Latch Statistics](#)

[Back to Top](#)

Latch Miss Sources

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

Latch Name	Where	NoWait Misses	Sleeps	Waiter Sleeps
ASM map operation hash table	kffmTranslate	0	8,832	9,092
ASM map operation hash table	kffmDoDone_1	0	3,340	3,081
ASM map operation hash table	kffmUnidentify	0	5	3
ASM map operation hash table	kffmResize	0	1	2
DML lock allocation	ktadmc	0	21,414	4,234
DML lock allocation	ktaiam	0	7,226	19,878
DML lock allocation	ktaidm	0	2,926	7,484
KJC message pool free list	kjcsmfav: allocate a msg buffer	0	70	97
KJC message pool free list	kjcspmbq: free vector of msg buffers	0	28	0
KJCT flow control latch	kjcts_sqenq: queue a message	0	104	86
KJCT flow control latch	kjctr_releasetkt: change ticket allocation	0	23	7
KJCT flow control latch	kjctr_updatetkt: update ticket info	0	13	9
KJCT flow control latch	kjcts_sedeqv3: dequeue a vector of msg	0	4	17
KJCT flow control latch	kjctcsnd: send normal message	0	3	8
KJCT flow control latch	kjcts_sqenq2: queue a message	0	2	15
Lsod array latch	kfklsodtablCleanup	0	3	1
MGA pid alloc latch	ksm_mga_sctx_rtrcv_do_whr2	0	259	159
MGA pid alloc latch	ksm_mga_sctx_rtrcv_do_whr1	0	161	79
MGA shared context latch	ksm_mga_attach_whr2	0	228	0
MGA shared context latch	ksm_mga_detach_whr2	0	180	249
MGA shared context latch	ksm_mga_is_attached_whr1	0	86	6
MGA shared context root latch	ksm_mga_detach_whr1	0	1,430	1,582
MGA shared context root latch	ksm_mga_attach_whr1	0	1,307	1,150
OS process allocation	kso_new_process:2	0	1	1
OS process: request allocation	kso_new_process	0	2	1
Real-time descriptor latch	keomgAllocDescEntry	0	6	7

Real-time descriptor latch	keomgScanDescList	0	2	1
SO private so latch	kss_grow_from_global_cache	0	1	0
active checkpoint queue latch	kcbbaq: scan active checkpoints	0	2,016	2,064
active checkpoint queue latch	kcbk_add_rbr_ckpt: Add rbr ckpt 3	0	18	0
active checkpoint queue latch	kcbkcpa: Checkpoint post-processing 2	0	17	0
active checkpoint queue latch	kcbkcpa: Checkpoint post-processing	0	16	2
active checkpoint queue latch	kcbo_add_ckpt: Add object ckpt 1	0	1	0
active service list	kswslogon: session logout	0	126	97
active service list	kswslogon: session login	0	15	4
active service list	kswsite: service iterator	0	7	1
active service list	kswsclstabc: scan list to return rows	0	6	4
active service list	ksws_get_pq_svc_name: copy pq svc	0	2	8
active service list	kswsgetso: get service object	0	2	26
active service list	kswsgsnp: get service name ptr	0	2	5
active service list	kswssvid: get id from svc name	0	2	4
active service list	kswsggid: get service goodness	0	1	4
active service list	kswsgrlbm: get RLB metrics	0	1	0
active service list	kswssetsvc: PX session switch service	0	1	0
begin backup scn array	get begin backup scn for file	0	2	2
cache buffer handles	kcbzgs	0	9	9
cache buffer handles	kcbzfs	0	2	2
cache buffers chains	kcbchg: cleanout	0	762,345	857,163
cache buffers chains	kcbgcur: fast path excl	0	487,699	196,848
cache buffers chains	kcbchg: change complete	0	315,010	355,016
cache buffers chains	kcbzwb	0	233,472	118,125
cache buffers chains	kcbzacrb: convert latch	0	225,174	0
cache buffers chains	kcbgtcr: convert latch 4	0	224,790	0
cache buffers chains	kcbzgb: scan from tail nowait	0	196,009	0
cache buffers chains	kcbgtcr: convert latch	0	133,516	0
cache buffers chains	kcbgtcr: fast path exam	0	122,817	264,870
cache buffers chains	kcbrls: fast pin release	0	114,974	218,250
cache buffers chains	kcbget: new pin	0	104,214	31,635
cache buffers chains	kcbchg: cur pin change	0	88,524	259,853
cache buffers chains	kcbzcbf: clone buffer	0	66,135	359,566
cache buffers chains	kcbrls: pin release	0	53,392	117,747
cache buffers chains	kcbnlc	0	50,546	82,272
cache buffers chains	kcbgtcr: fast path pin	0	49,227	183,894
cache buffers chains	kcbzcbf: release pin excl	0	36,309	9,155
cache buffers chains	kcbcgce	0	34,160	142,916
cache buffers chains	kcbgkcbcr	0	24,988	42,712
cache buffers chains	kcbgtcr: slow path excl	0	20,193	45,824
cache buffers chains	kcbchg: rollback	0	17,397	20,653
cache buffers chains	kcbrls: fast pin exclusive	0	15,404	70,861
cache buffers chains	kcbchg: aux pin	0	12,343	8,076
cache buffers chains	kcbget: fast path	0	1,603	4,516
cache buffers chains	kcbget: convert latch	0	1,182	0
cache buffers chains	kcbesc: escalate	0	1,163	470
cache buffers chains	kcbget: release excl	0	944	593
cache buffers chains	kcb_trim_hash_chain	0	643	247
cache buffers chains	kcbgcur: fast path shr	0	565	3,072
cache buffers chains	kcbbic2	0	461	330
cache buffers chains	kcbget: release shr	0	422	509
cache buffers chains	kcbget: upgrade latch	0	383	416
cache buffers chains	kcb_is_private	0	340	384
cache buffers chains	kcbxchcln: share pin excl	0	307	460
cache buffers chains	kcbzhngcbk1	0	285	0
cache buffers chains	kclpddl	0	284	0
cache buffers chains	kcbgcur: convert latch	0	279	0
cache buffers chains	kclwrite_3	0	253	8
cache buffers chains	kcbbxsv	0	239	214
cache buffers chains	kclcls_3	0	141	11
cache buffers chains	kcbgcur: slow path	0	137	93
cache buffers chains	kcbbic1	0	135	52
cache buffers chains	kcbnew: new latch again	0	134	734
cache buffers chains	kcbnew_1	0	77	76
cache buffers chains	kcllkopesc	0	53	10
cache buffers chains	kcbpop: shr pin	0	52	836
cache buffers chains	kclrlstp	0	30	96
cache buffers chains	kcbget_2	0	23	30
cache buffers chains	kclantilock	0	9	1
cache buffers chains	kcbivbr	0	5	227

cache buffers chains	kcbxchcln: shr pin shr	0	5	10
cache buffers chains	kclcsr	0	5	7
cache buffers chains	kcbrls	0	4	4
cache buffers chains	kcbrls: convert latch	0	4	0
cache buffers chains	kcbzcg	0	4	12
cache buffers chains	kcbzib: finish processing buffer	0	4	4
cache buffers chains	kcbo_ivd_process	0	2	181
cache buffers chains	kcbbwdb	0	1	44
cache buffers chains	kcbget: release upgrade	0	1	1
cache buffers chains	kcbzibmlt: multi-block read: nowait	0	1	0
cache buffers chains	kclexpand_1	0	1	5
cache buffers lru chain	kcbzgws	0	12,206	0
cache buffers lru chain	kcbgtcr:CR Scan:KCBRSKIP_1	0	1,731	0
cache buffers lru chain	kcbzswcu	0	890	414
cache buffers lru chain	kcbbic2	0	803	4,312
cache buffers lru chain	kcb_trim_hash_chain	0	781	8,950
cache buffers lru chain	kcbgtcr:CR Scan:KCBRSKIP_2	0	498	0
cache buffers lru chain	kcbzgb	0	445	3,069
cache buffers lru chain	kcbo_write_bufs	0	390	1,209
cache buffers lru chain	kcbbxsv: move to being written	0	235	0
cache buffers lru chain	kcbo_ivd_proc	0	69	69
cache buffers lru chain	kcbibr	0	50	0
cache buffers lru chain	kcbbwlr	0	16	92
cache buffers lru chain	kclwors	0	1	0
call allocation	ksuprc	0	1,769	2,341
call allocation	ksudlc : rec call	0	1,767	1,345
call allocation	ksuxds	0	274	110
call allocation	ksucrp: top call	0	23	10
call allocation	ksuinfos_modact	0	19	32
call allocation	ksudlp: top call	0	10	24
channel handle pool latch	ksrchconnect()	0	1	0
channel operations parent latch	ksrchconnect()	0	4	4
channel operations parent latch	ksrpubwait():1	0	1	1
channel operations parent latch	ksrsconsume()	0	1	2
channel operations parent latch	ksrwait()	0	1	0
checkpoint queue latch	kcbkubc_4	0	826	549
checkpoint queue latch	kcbklbc_cql	0	329	0
checkpoint queue latch	kcbswcu: Switch buffers	0	180	153
checkpoint queue latch	kcbbwdl: thread checkpoint queue	0	155	160
checkpoint queue latch	kcbbwthc: thread checkpoint buffers	0	80	714
checkpoint queue latch	kcbklrba: compute lowest lrb	0	11	4
checkpoint queue latch	kcbklbc: Link buffer into ckpt queue	0	3	0
checkpoint queue latch	kcbnlc: Link buffers into FQ	0	3	0
checkpoint queue latch	kcbkillscn	0	2	3
checkpoint queue latch	kcbbtchc: check thread queue	0	1	7
dummy allocation	ktcsnfy	0	1	1
file cache latch	file cache:07	0	29	32
file cache latch	file cache:04	0	10	7
gc element	kclfwite1	0	614	390
gc element	kclpddl	0	247	318
gc element	kclrwrite	0	110	169
gc element	kclnfn	0	78	81
gc element	kclrwrite_1	0	70	10
gc element	kclswc	0	23	45
gc element	kclnfnnewm	0	12	9
gc element	kclnfn	0	12	54
gc element	kclpdc_1	0	12	97
gc element	kclplz_1	0	12	2
gc element	kclebs	0	10	7
gc element	kclexpand_2	0	8	0
gc element	kclnfn	0	8	14
gc element	kclplz	0	7	0
gc element	kclhngcbk1	0	5	0
gc element	kcllkop	0	5	1
gc element	kclulb	0	4	21
gc element	kclantilock_1	0	3	2
gc element	kclnfnnew	0	3	3
gc element	kclcontext	0	2	13
gcs remaster request queue	kjdrmq	0	2	0
gcs remastering latch	kjfdmrfg end step	0	210	0
gcs remastering latch	kjfdmrfg drmfz step	0	35	0

gcs remastering latch	kjdrisdrm nowait	0	7	257
gcs remastering latch	kjfdmrfg beginning	0	7	0
gcs remastering latch	kjdrdnwk writer latch	0	4	0
gcs resource freelist	kjbralc: reserve allocation	0	20	9
gcs resource freelist	kjbralc: check freelist nowait	0	2	0
gcs resource freelist	kjbrfr_bg2	0	2	7
gcs resource freelist	kjbrfr_bg: free resource	0	1	0
gcs resource hash	kclfwite1	0	577	2
gcs resource hash	kjbrrcfwst	0	4	0
gcs resource hash	kjbrrcres_99	0	3	0
gcs resource hash	kclrwite	0	1	3
gcs resource hash	kjbldmrpst	0	1	0
gcs resource hash	kjbmpcreatepi	0	1	0
gcs resource hash	kjbrdowncv	0	1	0
gcs shadows freelist	kjbralc: allocate reserve	0	1	0
ges cached resource lists	kjrm2c: move resource to cache	0	3,358	3,765
ges cached resource lists	kjruref: directly free resource	0	448	337
ges cached resource lists	kjchc: clean resource cache	0	208	0
ges cached resource lists	kjruref: directly free local master	0	110	23
ges cached resource lists	kjruch: cached obj cleanup	0	1	0
ges deadlock list	kjcvdt: insert into dd timer_q	0	187	165
ges deadlock list	kjcv_move_cg_fg: remove from dd timer_q	0	167	173
ges deadlock list	kjcvld: remove from dd timer_q	0	21	37
ges domain table	kjdmlrm: remove a lock from its xid-hashed lock list	0	425	257
ges domain table	kjdmlad: add a lock to an xid-hashed lock list	0	390	558
ges enqueue table freelist	kjlalc: lock allocation	0	2,127	2,238
ges enqueue table freelist	kjlfr: remove lock from parent object	0	1,957	1,846
ges group table	kjgdgll: move a lock from group lock list to process lock list	0	2,033	890
ges group table	kjgagll: move a lock from process lock list to group lock list	0	1,472	2,615
ges process parent latch	kjata_fg	0	3,955	16
ges process parent latch	kjlalc: lock allocation from lmon	0	217	0
ges process parent latch	kjlgc (claim group lock)	0	116	232
ges process parent latch	kjatioc	0	3	37
ges process parent latch	kjlrem: detach lock from group	0	1	20
ges resource hash list	kjlrlr: remove lock from resource queue	0	2,818,079	1,836,029
ges resource hash list	kjrmas1: lookup master node	0	1,748,530	558,915
ges resource hash list	kjrref: find matched resource	0	385,250	2,557,547
ges resource hash list	kjcvscn: remove from scan queue	0	458	0
ges resource hash list	kjtscn: try lock res with nowait	0	88	0
ges resource hash list	kjakcai: search for resp by resname	0	25	37
ges resource hash list	kjksast: search for resource for ast	0	13	6
ges resource hash list	kjlmfnd: search for lockp by rename and inst id	0	13	2
ges resource hash list	kjxsokx: search for okX resource obj	0	11	2
ges resource hash list	kjucvl: lock convert request	0	2	0
ges resource hash list	kjuinq: inquire resource held mode	0	2	0
ges resource hash list	kjxsrply: search for express resource obj	0	2	0
ges resource hash list	kjakaskx: search for resource for ask X	0	1	1
ges resource hash list	kjsbstat: get blocker stats	0	1	3
ges resource scan list	kjcvscn: traverse scan_q	0	14	1
ges resource scan list	kjcvmsc_fg: fg granting a lock it does not own	0	6	19
ges resource table freelist	kjralc: resource allocation	0	10	5
ges resource table freelist	kjrfr: remove from resource table	0	2	7
ges timeout list	kjteq: insert into timer queue	0	10	15
ges timeout list	kjtscn: try to lock timer queue	0	5	0
kjci objects freelist latch	kjci_alloc_reply	0	5	5
kjci objects freelist latch	kjciubr_cln (free)	0	1	1
kjci process context latch	kjci_finish_int:2	0	208	63
kjci process context latch	kjci_processcrq1	0	30	177
kjci process context latch	kjcicrw_hngcbk	0	2	0
kjci process list latch	kjcilwplist3	0	45,379	44,071
kjci process list latch	kjcilwplist1	0	310	1,443
kjci process list latch	kjcilwplist4	0	45	112
kjci process list latch	kjcilwplist2	0	12	120
ksuosstats global area	ksugetosstat	0	2	2
ksv class latch	ksvcls: rdp - recycle	0	5	1
ksv class latch	ksvcls: checkpoint	0	3	0
ksv class latch	ksvcls: getwork	0	1	3
ksv msg queue latch	ksvmql: getwork	0	1	1
ksz_so allocation latch	ksznfy1	0	3	2
list of block allocation	ktlabl	0	107	106
list of block allocation	ktlbbi	0	70	71

loader state object freelist	kcblgs	0	77	93
loader state object freelist	kcblfs	0	65	49
log write worker phase	kcrfw_slave_phase_exit	0	3	3
messages	ksarcv	0	1,907	661
messages	ksaamb: after wakeup	0	1,027	2,249
messages	ksarcv: after wait	0	558	584
messages	ksaclr	0	4	3
messages	ksaims	0	2	1
mostly latch-free SCN	kcslcu3	0	2,924	3,043
mostly latch-free SCN	kcs01	0	227	261
mostly latch-free SCN	kcs024	0	119	0
mostly latch-free SCN	kcsnew_scn_rba	0	35	1
object queue header operation	kclobj	0	822	298
object queue header operation	kclbufs	0	226	0
object queue header operation	kcbo_switch_q_bg	0	153	357
object queue header operation	kcbo_switch_mq_bg	0	135	313
object queue header operation	kcbo_write_q	0	94	4
object queue header operation	kcbo_link_q	0	28	129
object queue header operation	kcbo_sw_buf	0	18	172
object queue header operation	kcbo_switch_cq	0	15	135
object queue header operation	kcbo_write_bufs	0	15	6
object queue header operation	kcbo_unlink_q	0	8	102
object queue header operation	kcbo_service_ockpt	0	2	0
object queue header operation	kcbo_ivbo	0	1	0
parallel query alloc buffer	kxfpbalo	0	6	6
parallel query alloc buffer	kxfpbfre	0	1	1
post/wait queue	kslpstevent:reget	0	5,661	5,998
post/wait queue	kslpstevent:get	0	1,830	1,937
post/wait queue	ksliwat:add:nowait	0	480	0
post/wait queue	ksliwat:remove	0	90	126
process allocation	ksudap: active procs	0	249	22
process allocation	ksuapc	0	107	202
process allocation	ksudlp	0	17	148
process queue reference	kxfpqrsnd	0	822	0
process queue reference	kxfpqidr2	0	9	606
process queue reference	kxfprienq2	0	7	0
process queue reference	kxfpnuldq	0	5	237
redo allocation	kcrfw_redo_gen: redo allocation 1	0	70,532	0
redo allocation	kcrfw_redo_write: before write	0	5,177	41,283
redo allocation	kcrfw_post: more space	0	5,149	34,737
redo allocation	kcrfw_redo_gen: redo allocation 2	0	4,319	0
redo allocation	kcrfw_redo_gen: redo allocation 3	0	2,943	12,133
redo allocation	kcrfw_redo_gen: redo allocation 0	0	33	0
redo allocation	kcrfwfl	0	3	3
redo allocation	kcrfml	0	1	1
redo copy	kcrfw_redo_gen: nowait	0	39	0
redo writing	kcrfwcr	0	18,887	33,498
redo writing	kcrfw_cal_target_rba	0	8,002	2,767
redo writing	kcrfw_post: rba scn pair	0	6,993	5
redo writing	kcrfw_post: after write	0	2,635	175
redo writing	kcrfws: outside the loop	0	69	72
redo writing	kcrfws: in loop	0	62	79
redo writing	kcrfsr: rba scn pair	0	10	55
redo writing	kcrfrsn	0	2	7
redo writing	kctmttrca	0	2	3
resmgr:active threads	kskdynthreshact	0	6,476	0
resmgr:active threads	kgskgtt1	0	594	0
resmgr:active threads	kgskmetricupd	0	75	7
resmgr:active threads	kgskupdcachedload	0	66	18
resmgr:active threads	kgskclassinfo2	0	7	2
resmgr:active threads	kgskgactivecnt	0	5	3
resmgr:active threads	kgskgtwt	0	5	1
resmgr:active threads	kgskchclass	0	1	3
resmgr:active threads	kskthrcrate	0	1	3,641
resmgr:active threads	kskthrsod	0	1	3,556
resmgr:free threads list	kskthrcrate	0	855	805
resmgr:free threads list	kskthrsod	0	845	895
resmgr:schema config	kgskgmaxdop1	0	2	3
resmgr:schema config	kgskmetricupd	0	1	0
sequence cache	kdnssd	0	106,922	9,041
sequence cache	kdnnext: cached seq	0	15,460	7,374

sequence cache	kdnss	0	10,724	117,087
sequence cache	kdnsoi	0	1,006	550
sequence cache	kdnwor	0	8	68
session allocation	ksuxds_int: free	0	16	26
session allocation	ksucrj_int : SSO	0	10	0
simulator hash latch	kcbasacc: lookup dba	0	184	184
space background task latch	ktsj_grab_task	0	2,945	4,140
space background task latch	ktsj_detach_task	0	1,107	18
space background task latch	ktsj_smco_purgeexpired	0	105	0
space background task latch	ktsj_smco_movetasks	0	1	0
transaction allocation	ktcxbr	0	405	237
transaction allocation	ktcccadd	0	75	123
transaction allocation	ktcccDeleteCommitCallbacks_2	0	31	112
transaction allocation	ktcccod	0	29	8
transaction allocation	ktcdso	0	22	82
undo global data	ktudba: KSLBEGIN	0	1,788,965	1,783,162
undo global data	ktudnx:child	0	6,723	6,218
undo global data	ktufrrs_2	0	1,371	7,181
undo global data	ktusmupst: KSLBEGIN	0	1,074	1,091
undo global data	ktubnd:child	0	327	1,085
undo global data	ktuswr_3	0	262	8
undo global data	ktusmasp: ktugd_tuux	0	10	15
undo global data	kturax	0	6	0
undo global data	ktucof: at start	0	5	0
undo global data	ktur set recov bit	0	2	25
undo global data	ktumof: KSLBEGIN	0	1	0
undo global data	ktumof_3	0	1	2
undo global data	ktusm AvailCache Manipulation	0	1	0
unknown latch	ksqrcf	0	34,531	17,543
unknown latch	ksqcmi: if lk mode not requested	0	7,331	830
unknown latch	ksqcmi: if lk mode requested	0	5,865	1,342
unknown latch	ksqcmi: get hash chain latch after wait	0	4,470	26,881
unknown latch	ksqgtl3	0	3,158	9,058
unknown latch	ksqexpandres	0	539	69
unknown latch	ksqexpandwait	0	340	546
unknown latch	ksqinq	0	235	305
unknown latch	kghalo	0	189	180
unknown latch	kghfre	0	130	170
unknown latch	ksqgetblkres	0	54	1
unknown latch	ksqhngcbk1: Phase 1	0	45	0
unknown latch	spmemrm_free_single_object	0	17	0
unknown latch	kghfru	0	8	0
unknown latch	ksqcmi: kslgpl	0	8	2
unknown latch	kghfnd: req scan	0	4	0
unknown latch	kghfnd: min scan	0	1	0
unknown latch	kghupr1	0	1	0
unknown latch	ksqcmi: if deadlock detected	0	1	0

[Back to Latch Statistics](#)

[Back to Top](#)

Mutex Sleep Summary

- ordered by number of sleeps desc

Mutex Type	Location	Sleeps	Wait Time (ms)
Library Cache kglpin1 4		10,942,389	23,331,655
Library Cache kglpna2 91		9,423,371	18,295,690
Library Cache kglpnd1 95		8,057,023	15,965,333
Library Cache kglpna1 90		5,237,312	10,066,790
Cursor Pin kksfbc [KKSCHLPIN1]		300,823	469,716
Cursor Pin kksLockDelete [KKSCHLPIN6]		120,487	221,903
Library Cache kglhdgn1 62		104,185	273,230
Cursor Pin kksxsccmp [KKSCHLPIN5]		14,841	26,864
Library Cache kglhdgn2 106		14,153	59,053
Library Cache kglldl1 85		9,572	38,910
Library Cache kglldl1 80		8,771	31,864
Cursor Pin kksfbc [KKSCHLFPSP2]		6,014	13,888
Cursor Stat qesdpDPCSetupNextExec [KKSSTALOC16]		3,678	3,586
Library Cache kglldc1 57		2,010	8,694
Cursor Pin kkslce [KKSCHLPIN2]		1,385	2,556

Row Cache	[19] kqrpre	728	3,006
Row Cache	[06] kqrGetClusterLock	410	1,258
Library Cache	kglget2 2	384	2,045
Row Cache	[10] kqrreqd	290	1,088
Row Cache	[14] kqrScan	215	613
Cursor Stat	qesdplnitExecMut [KKSSTALOC13]	26	66
hash table	kkshGetNextChild [KKSHBKLOC1]	16	38
Library Cache	kgldgh1 64	14	81
hash table	kkscsSearchChildList [KKSHBKLOC2]	11	32
Library Cache	kgldgh3 161	8	4
Cursor Parent	kkscsAddChildNode [KKSPRTLLOC28]	7	11
Library Cache	kglget1 1	4	4
Cursor Parent	kkscsPruneChild [KKSPRTLLOC27]	3	4
Library Cache	kglGetHandleReference 123	2	10
Library Cache	kgllal3 111	2	11
Library Cache	kglReleaseHandleReference 124	1	4
Library Cache	kgldbh2 148	1	0
Library Cache	kgldld2 112	1	4

[Back to Latch Statistics](#)
[Back to Top](#)

Parent Latch Statistics

No data exists for this section of the report.

[Back to Latch Statistics](#)
[Back to Top](#)

Child Latch Statistics

No data exists for this section of the report.

[Back to Latch Statistics](#)
[Back to Top](#)

Segment Statistics

- [Segments by Logical Reads](#)
- [Segments by Physical Reads](#)
- [Segments by Physical Read Requests](#)
- [Segments by UnOptimized Reads](#)
- [Segments by Optimized Reads](#)
- [Segments by Direct Physical Reads](#)
- [Segments by Physical Writes](#)
- [Segments by Physical Write Requests](#)
- [Segments by Direct Physical Writes](#)
- [Segments by Table Scans](#)
- [Segments by DB Blocks Changes](#)
- [Segments by Row Lock Waits](#)
- [Segments by ITL Waits](#)
- [Segments by Buffer Busy Waits](#)
- [Segments by Global Cache Buffer Busy](#)
- [Segments by CR Blocks Received](#)
- [Segments by Current Blocks Received](#)
- [Segments by Global Cache Remote Grants](#)

[Back to Top](#)

Segments by Logical Reads

- Total Logical Reads: 10,577,766,726
- Captured Segments account for 40.1% 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#	Logical Reads	%Total
YANTRA	EODAT001	YFS_INV_NODE_CTRL_I1		INDEX	30394	631767	1,083,368,176	10.24
YANTRA	EODAT001	YFS_ORG_RELATIONSHIP		TABLE	23757	23757	427,107,120	4.04
YANTRA	EODAT102	YFS_PERSON_INFO		TABLE	98115	98115	398,543,904	3.77
YANTRA	EODAT001	EOMS_SUBSCRIPTION_DTLS		TABLE	775920	799226	229,218,048	2.17
YANTRA	EODX101	YFS_ORDER_HEADER_PK		INDEX	31786	800441	192,211,424	1.82

[Back to Segment Statistics](#)
[Back to Top](#)

Segments by Physical Reads

- Total Physical Reads: 22,731,307
- Captured Segments account for 91.1% 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	19,895,124	87.52
YANTRA	EODAT102	YFS_ORDER_LINE		TABLE	23731	313601	76,331	0.34
YANTRA	EODAT102	YFS_ORDER_RELEASE_STATUS		TABLE	23746	28202	54,398	0.24
YANTRA	EODAT102	YFS_CHARGE_TRANSACTION		TABLE	23512	23512	42,958	0.19
YANTRA	EODAT102	YFS_ORDER_LINE_SCHEDULE		TABLE	23737	23737	37,427	0.16

[Back to Segment Statistics](#)
[Back to Top](#)

Segments by Physical Read Requests

- Total Physical Read Requests: 3,138,967
- Captured Segments account for 35.9% 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#	Phys Read Requests	%Total
YANTRA	EODAT102	YFS_TASK_Q		TABLE	23910	23910	318,641	10.15
YANTRA	EODAT102	YFS_ORDER_LINE		TABLE	23731	313601	76,332	2.43
YANTRA	EODAT102	YFS_ORDER_RELEASE_STATUS		TABLE	23746	28202	54,397	1.73
YANTRA	EODAT102	YFS_CHARGE_TRANSACTION		TABLE	23512	23512	42,958	1.37
YANTRA	EODAT102	YFS_ORDER_LINE_SCHEDULE		TABLE	23737	23737	37,428	1.19

[Back to Segment Statistics](#)
[Back to Top](#)

Segments by UnOptimized Reads

- Total UnOptimized Read Requests: 3,138,967
- Captured Segments account for 35.9% 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#	UnOptimized Reads	%Total
YANTRA	EODAT102	YFS_TASK_Q		TABLE	23910	23910	318,641	10.15
YANTRA	EODAT102	YFS_ORDER_LINE		TABLE	23731	313601	76,332	2.43
YANTRA	EODAT102	YFS_ORDER_RELEASE_STATUS		TABLE	23746	28202	54,397	1.73
YANTRA	EODAT102	YFS_CHARGE_TRANSACTION		TABLE	23512	23512	42,958	1.37
YANTRA	EODAT102	YFS_ORDER_LINE_SCHEDULE		TABLE	23737	23737	37,428	1.19

[Back to Segment Statistics](#)
[Back to Top](#)

Segments by Optimized Reads

No data exists for this section of the report.

[Back to Segment Statistics](#)
[Back to Top](#)

Segments by Direct Physical Reads

- Total Direct Physical Reads: 21,101,166
- Captured Segments account for 94.3% 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#	Direct Reads	%Total
YANTRA	EODAT102	YFS_TASK_Q		TABLE	23910	23910	19,890,004	94.26

[Back to Segment Statistics](#)
[Back to Top](#)

Segments by Physical Writes

- Total Physical Writes: 13,362,537
- Captured Segments account for 31.3% 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#	Physical Writes	%Total
YANTRA	EODAT102	YFS_AUDIT		TABLE	797938	797938	616,860	4.62
YANTRA	EODAT102	YFS_TASK_Q		TABLE	23910	23910	282,789	2.12
YANTRA	EODAT102	YFS_ORDER_LINE		TABLE	23731	313601	260,015	1.95
YANTRA	EOIDX101	DR\$YFS_PERSON_INFO_T5\$X		INDEX	1018905	1018905	236,781	1.77
YANTRA	EODAT102	YFS_ORDER_HEADER		TABLE	23717	313611	235,027	1.76

[Back to Segment Statistics](#)
[Back to Top](#)

Segments by Physical Write Requests

- Total Physical Write Requests: 5,937,226
- Captured Segments account for 35.3% 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#	Phys Write Requests	%Total
YANTRA	EOIDX101	DR\$YFS_PERSON_INFO_T5\$X		INDEX	1018905	1018905	165,332	2.78
YANTRA	EODAT102	YFS_TASK_Q		TABLE	23910	23910	164,008	2.76
YANTRA	EODAT102	YFS_AUDIT		TABLE	797938	797938	97,673	1.65
YANTRA	EODAT102	YFS_ORDER_HEADER		TABLE	23717	313611	95,249	1.60
YANTRA	EODAT102	YFS_ORDER_LINE		TABLE	23731	313601	94,815	1.60

[Back to Segment Statistics](#)
[Back to Top](#)

Segments by Direct Physical Writes

- Total Direct Physical Writes: 438,406
- Captured Segments account for 0.7% 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#	Direct Writes	%Total
SYS	SYSAUX	WRH\$_ACTIVE_SESSION_HISTORY	WRH\$_ACTIVE_SESSION_HISTORY_2798060480_MXSN	TABLE PARTITION	1016759	1019746	3,248	0.74

[Back to Segment Statistics](#)
[Back to Top](#)

Segments by Table Scans

- Total Table Scans: 4,898
- Captured Segments account for 93.1% 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#	Table Scans	%Total
YANTRA	EODAT102	YFS_TASK_Q		TABLE	23910	23910	4,562	93.14

[Back to Segment Statistics](#)
[Back to Top](#)

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	465,529,776	16.63
YANTRA	EOIDX001	YFS_ORD_LN_SRCNG_CNTRL_I1		INDEX	31558	111888	427,839,344	15.28
YANTRA	EOIDX101	YFS_ORDER_LINE_I1		INDEX	28308	798719	368,881,408	13.17
YANTRA	EOIDX101	YFS_TASK_Q_I3		INDEX	26002	921988	356,718,384	12.74
YANTRA	EOIDX101	YFS_CHARGE_TRANSACTION_I3		INDEX	24558	798823	217,911,760	7.78

[Back to Segment Statistics](#)
[Back to Top](#)

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
CTXSYS	SYSAUX	DR\$INDEX		TABLE	915236	915236	1,356,269	51.85
SYS	SYSTEM	DBMS_LOCK_ALLOCATED		TABLE	11607	721610	1,119,360	42.79
YANTRA	EODAT102	YFS_ORDER_HEADER		TABLE	23717	313611	129,061	4.93
YANTRA	EODX101	EOMS_ORD_LN_OD_I2		INDEX	298511	798124	3,265	0.12
YANTRA	EODX101	EOMS_OL_OD_PK		INDEX	298507	798097	3,001	0.11

[Back to Segment Statistics](#)
[Back to Top](#)

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	EODX101	BBY_ORDER_LINE_SCHEDULE_I1		INDEX	88075	799962	18,881	97.91
YANTRA	EODX001	YFS_ORDER_HOLD_TYPE_LOG_PK		INDEX	31685	31685	401	2.08
YANTRA	EODAT102	YFS_AUDIT_PK		INDEX	797939	797939	2	0.01
YANTRA	EODX101	YFS_ORDER_LINE_SCHEDULE_I2		INDEX	25367	799964	1	0.01

[Back to Segment Statistics](#)
[Back to Top](#)

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
SYS	SYSTEM	DBMS_LOCK_ALLOCATED		TABLE	11607	721610	1,682,987	38.56
CTXSYS	SYSAUX	DR\$INDEX		TABLE	915236	915236	1,652,214	37.86
YANTRA	EODX001	YFS_INVENTORY_DEMAND_ADDNL_PK		INDEX	30401	30401	99,146	2.27
YANTRA	EODAT102	YFS_AUDIT_PK		INDEX	797939	797939	87,934	2.01
YANTRA	EODX101	BBY_ORDER_LINE_SCHEDULE_I1		INDEX	88075	799962	57,174	1.31

[Back to Segment Statistics](#)
[Back to Top](#)

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	EODAT102	YFS_ORDER_LINE_SCHEDULE		TABLE	23737	23737	285	55.77
YANTRA	EODAT102	YFS_PERSON_INFO		TABLE	98115	98115	137	26.81
YANTRA	EODAT001	YFS_ORDER_DATE		TABLE	23715	23715	20	3.91
YANTRA	EODAT102	YFS_CREDIT_CARD_TRANSACTION		TABLE	23549	23549	15	2.94
YANTRA	EODAT001	YFS_REFERENCE_TABLE		TABLE	23817	23817	13	2.54

[Back to Segment Statistics](#)
[Back to Top](#)

Segments by CR Blocks Received

- Total CR Blocks Received: 8,016
- Captured Segments account for 73.0% 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	WRH\$_ACTIVE_SESSION_HISTORY_2798060480_MXSN	TABLE PARTITION	1016759	1019746	5,844	72.90
SYS	SYSAUX	WRH\$_TABLESPACE_STAT_PK	WRH\$_TABLESPACE_STAT_2798060480_MXSN	INDEX PARTITION	1019755	1019755	6	0.07

[Back to Segment Statistics](#)[Back to Top](#)

Segments by Current Blocks Received

- Total Current Blocks Received: 29,046
- Captured Segments account for 34.5% 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	SYSAUX	WRH\$_ACTIVE_SESSION_HISTORY	WRH\$_ACTIVE_SESSION_HISTORY_2798060480_MXSN	TABLE PARTITION	1016759	1019746	2,605	8.97
YANTRA	EODAT102	YFS_ORDER_RELEASE_STATUS		TABLE	23746	28202	1,562	5.38
YANTRA	EODX101	YFS_ORDER_LINE_I1		INDEX	28308	798719	1,101	3.79
YANTRA	EODX101	OMS_ORD_LN_OD_I7		INDEX	298515	798138	1,054	3.63
YANTRA	EODAT102	YFS_ORDER_LINE_SCHEDULE		TABLE	23737	23737	765	2.63

[Back to Segment Statistics](#)[Back to Top](#)

Segments by Global Cache Remote Grants

- Total Global Cache Remote Grants: 1,206,679
- Captured Segments account for 53.5% 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#	GC Remote Grants	%Total
YANTRA	EODAT102	YFS_ORDER_LINE_SCHEDULE		TABLE	23737	23737	46,386	3.84
YANTRA	EODX101	BBY_ORDER_HEADER_I27		INDEX	60996	800439	42,309	3.51
YANTRA	EODX101	YFS_ORDER_HEADER_I5		INDEX	32621	800430	41,970	3.48
YANTRA	EODX101	BBY_PAYMENT_I2		INDEX	25495	31604	36,630	3.04
YANTRA	EODX101	YFS_ORDER_LINE_SCHEDULE_I2		INDEX	25367	799964	35,715	2.96

[Back to Segment Statistics](#)[Back to Top](#)

Dictionary Cache Statistics

- [Dictionary Cache Stats](#)
- [Dictionary Cache Stats \(RAC\)](#)

[Back to Top](#)

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	521	3.26	0		7	2
dc_global_oids	15,678	0.00	0		0	83
dc_histogram_data	25,866	0.00	0		0	33,083
dc_histogram_defs	6,769	0.00	0		68	15,368
dc_objects	101,193	0.03	0		67	10,737
dc_profiles	5,230	0.00	0		0	4
dc_rollback_segments	406,795	0.00	0		232	7,598
dc_segments	59,498	0.29	0		344	14,271
dc_sequences	25,111	0.02	0		25,111	21
dc_tablespaces	1,285,978	0.00	0		0	17
dc_users	162,734	0.00	0		0	431
outstanding_alerts	85	90.59	0		0	17
sch_lj_oids	8	0.00	0		0	25
sno rowcache	19	26.32	0		0	1,993

[Back to Dictionary Cache Statistics](#)[Back to Top](#)

Dictionary Cache Stats (RAC)

Cache	GES Requests	GES Conflicts	GES Releases
dc_awr_control	521	0	0
dc_global_oids	15,678	0	0
dc_histogram_defs	5,633	0	0
dc_objects	100,877	0	0
dc_profiles	5,230	0	0
dc_rollback_segments	407,297	0	0
dc_segments	59,498	0	0
dc_sequences	25,111	0	0
dc_tablespaces	1,285,975	0	0
dc_users	95,982	0	0
outstanding_alerts	85	0	0
sch_lj_oids	8	0	0

[Back to Dictionary Cache Statistics](#)
[Back to Top](#)

Library Cache Statistics

- [Library Cache Activity](#)
- [Library Cache Activity \(RAC\)](#)

[Back to Top](#)

Library Cache Activity

- "Pct Misses" should be very low

Namespace	Get Requests	Pct Miss	Pin Requests	Pct Miss	Reloads	Invali- dations
ACCOUNT_STATUS	11,763	0.00	0		0	0
BODY	857	0.00	48,510,607	0.00	0	0
CONTEXT POLICY	4,304,295	0.00	3,265,288	0.00	0	0
DBLINK	35,755	0.00	0		0	0
EDITION	1,408	0.00	1,408	0.00	0	0
FED APP	64	0.00	64	0.00	0	0
HINTSET OBJECT	247	2.43	247	9.31	14	0
INDEX	41	0.00	41	0.00	0	0
OBJECT ID	16	100.00	0		0	0
QUEUE	4	0.00	4	0.00	0	0
SCHEMA	1,395	0.00	0		0	0
SQL AREA	80,067,002	99.00	518,318,175	0.32	74	62
SQL AREA BUILD	119	47.06	0		0	0
SQL AREA STATS	129	42.64	129	42.64	0	0
TABLE/PROCEDURE	2,278,535	0.00	148,840,363	-0.01	19	0
TRIGGER	1,382	0.00	1,382	0.00	0	0
USER PRIVILEGE	45	0.00	45	0.00	0	0

[Back to Library Cache Statistics](#)
[Back to Top](#)

Library Cache Activity (RAC)

Namespace	GES Lock Requests	GES Pin Requests	GES Pin Releases	GES Inval Requests	GES Invali- dations
ACCOUNT_STATUS	11,763	0	0	0	0
BODY	38	48,533,320	48,533,320	0	0
CONTEXT POLICY	4,304,413	3,265,357	3,265,357	0	0
DBLINK	35,755	0	0	0	0
EDITION	1,408	1,408	1,408	0	0
FED APP	64	64	64	0	0
HINTSET OBJECT	247	247	247	0	0
INDEX	41	41	41	0	0
QUEUE	4	4	4	0	0
SCHEMA	1,363	0	0	0	0
TABLE/PROCEDURE	2,267,658	148,780,066	148,780,066	0	0
TRIGGER	0	1,382	1,382	0	0
USER PRIVILEGE	0	45	45	0	0

[Back to Library Cache Statistics](#)
[Back to Top](#)

Memory Statistics

- [Memory Dynamic Components](#)
- [Memory Resize Operations Summary](#)
- [Memory Resize Ops](#)
- [Process Memory Summary](#)
- [SGA Memory Summary](#)
- [SGA breakdown difference by Pool and Name](#)

[Back to Top](#)

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	1,048,064.00	1,048,064.00	1,048,064.00	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	512.00	512.00	0.00	512.00	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/

[Back to Memory Statistics](#)

[Back to Top](#)

Memory Resize Operations Summary

No data exists for this section of the report.

[Back to Memory Statistics](#)

[Back to Top](#)

Memory Resize Ops

No data exists for this section of the report.

[Back to Memory Statistics](#)

[Back to Top](#)

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	3,073.19	0.00	0.53	3.16	139		5,778	5,778
Other	39,598.38		4.06	3.75	328	328	9,756	9,756
PL/SQL	571.42	223.55	0.06	0.12	2	10	9,756	9,738
SQL	219.59	39.64	0.02	0.18	8	535	9,599	9,304
Total	43,462.58	263.19	4.67	7.21	478	873	34,889	34,576
E Freeable	2,838.44	0.00	0.53	3.10	131		5,366	5,366

Other	35,567.57		4.17	4.10	337	337	8,532	8,532
PL/SQL	516.79	168.18	0.06	0.13	3	10	8,532	8,514
SQL	199.10	38.99	0.02	0.20	8	535	8,386	8,017
Total	39,121.89	207.17	4.78	7.53	479	881	30,816	30,429

[Back to Memory Statistics](#)
[Back to Top](#)

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	

[Back to Memory Statistics](#)
[Back to Top](#)

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	3,562.53	3,562.53	0.00
large	free memory	3,583.63	3,583.63	0.00
shared	db_block_hash_buckets	2,048.00	2,048.00	0.00
shared	free memory	52,732.91	52,995.06	0.50
shared	gc name table	2,304.00	2,304.00	0.00
shared	gcs resources	18,676.02	18,676.02	0.00
shared	gcs resv res hash bucket	3,456.00	3,456.00	0.00
shared	gcs shadows	10,752.86	10,752.86	0.00
shared	row cache	0.02	0.02	0.00
streams	free memory	3,072.00	3,072.00	0.00
	buffer_cache	1,052,672.00	1,052,672.00	0.00
	fixed_sga	35.58	35.58	0.00
	log_buffer	476.41	476.41	0.00
	shared_io_pool	512.00	512.00	0.00

[Back to Memory Statistics](#)
[Back to Top](#)

Replication Statistics (GoldenGate, XStream)

- [Replication System Resource Usage](#)
- [Replication SGA Usage](#)
- [GoldenGate Capture](#)
- [GoldenGate Capture Rate](#)
- [GoldenGate Apply Reader](#)
- [GoldenGate Apply Coordinator](#)
- [GoldenGate Apply Server](#)
- [GoldenGate Apply Coordinator Rate](#)
- [GoldenGate Apply Reader and Server Rate](#)
- [XStream Capture](#)
- [XStream Capture Rate](#)
- [XStream Apply Reader](#)
- [XStream Apply Coordinator](#)
- [XStream Apply Server](#)
- [XStream Apply Coordinator Rate](#)
- [XStream Apply Reader and Server Rate](#)
- [Table Statistics by DML Operations](#)
- [Table Statistics by Conflict Resolutions](#)
- [Replication Large Transaction Statistics](#)
- [Replication Long Running Transaction Statistics](#)

[Back to Top](#)

Replication System Resource Usage

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)
[Back to Top](#)

Replication SGA Usage

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)

[Back to Top](#)

GoldenGate Capture

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)

[Back to Top](#)

GoldenGate Capture Rate

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)

[Back to Top](#)

GoldenGate Apply Reader

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)

[Back to Top](#)

GoldenGate Apply Coordinator

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)

[Back to Top](#)

GoldenGate Apply Server

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)

[Back to Top](#)

GoldenGate Apply Coordinator Rate

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)

[Back to Top](#)

GoldenGate Apply Reader and Server Rate

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)

[Back to Top](#)

XStream Capture

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)

[Back to Top](#)

XStream Capture Rate

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)

[Back to Top](#)

XStream Apply Reader

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)
[Back to Top](#)

XStream Apply Coordinator

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)
[Back to Top](#)

XStream Apply Server

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)
[Back to Top](#)

XStream Apply Coordinator Rate

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)
[Back to Top](#)

XStream Apply Reader and Server Rate

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)
[Back to Top](#)

Table Statistics by DML Operations

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)
[Back to Top](#)

Table Statistics by Conflict Resolutions

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)
[Back to Top](#)

Replication Large Transaction Statistics

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)
[Back to Top](#)

Replication Long Running Transaction Statistics

No data exists for this section of the report.

[Back to Replication Statistics \(GoldenGate, XStream\)](#)
[Back to Top](#)

Advanced Queuing

- [Advanced Queue CPU/IO Usage](#)
- [Buffered Queues](#)
- [Buffered Queue Subscribers](#)
- [Rule Set](#)
- [Persistent Queues](#)
- [Persistent Queues Rate](#)
- [Persistent Queue Subscribers](#)

[Back to Top](#)

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	11-May-22 13:59:21	0.49	0.00	0.00
EMON Reliable Slave	11-May-22 13:59:21	0.13	0.00	0.00
EMON Coordinator	11-May-22 13:59:21	0.09	0.00	0.00
QMON Coordinator	11-May-22 13:59:21	0.08	0.00	0.00
QMON Slave	11-May-22 13:59:21	0.08	0.00	0.00

[Back to Advanced Queuing](#)
[Back to Top](#)

Buffered Queues

No data exists for this section of the report.

[Back to Advanced Queuing](#)
[Back to Top](#)

Buffered Queue Subscribers

No data exists for this section of the report.

[Back to Advanced Queuing](#)
[Back to Top](#)

Rule Set

No data exists for this section of the report.

[Back to Advanced Queuing](#)
[Back to Top](#)

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		

[Back to Advanced Queuing](#)
[Back to Top](#)

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

[Back to Advanced Queuing](#)
[Back to Top](#)

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_IIP01EODB01(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(128)/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_R(248)/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(554)/SYS.ALERT_QUE	0	0	0	0.00	0.00	0.00
NGDRL02OMSDB_3873_RQ05EODB02(553)/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_IIRP01EODB02(409)/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_387RP01EODB02(532)/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

[Back to Advanced Queuing](#)
[Back to Top](#)

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	93,041	97,906	0	UNLIMITED
ges_reg_msgs	207,030	227,076	42030	UNLIMITED
smartio_overhead_memory	0	171,032	0	UNLIMITED
smartio_sessions	0	1	0	UNLIMITED

[Back to Top](#)

Shared Server Statistics

- [Shared Servers Activity](#)
- [Shared Servers Rates](#)
- [Shared Servers Utilization](#)
- [Shared Servers Common Queue](#)
- [Shared Servers Dispatchers](#)

[Back to Top](#)

Shared Servers Activity

- Values represent averages for all samples

Avg Total Connections	Avg Active Connections	Avg Total Shared Svrs	Avg Active Shared Svrs	Avg Total Dispatchers	Avg Active Dispatchers
0	0	0	0	0	0

[Back to Shared Server Statistics](#)
[Back to Top](#)

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

[Back to Shared Server Statistics](#)
[Back to Top](#)

Shared Servers Utilization

No data exists for this section of the report.

[Back to Shared Server Statistics](#)
[Back to Top](#)

Shared Servers Common Queue

No data exists for this section of the report.

[Back to Shared Server Statistics](#)
[Back to Top](#)

Shared Servers Dispatchers

No data exists for this section of the report.

[Back to Shared Server Statistics](#)
[Back to Top](#)

Initialization Parameters

- [Modified Parameters](#)
- [Modified Multi-Valued Parameters](#)

[Back to Top](#)

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	786432	
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.610.1103891387, +OQ05EODB_RECO01/OQ05EODB/CONTROLFILE/current.835.1103891387	
core_dump_dest	/u01/app/oracle/admin/oq05eodb02/cdump	
cursor_sharing	FORCE	
db_block_size	16384	
db_cache_size	1098974756864	
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	SCHEDULER[0x5EF0E]:DEFAULT_MAINTENANCE_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

[Back to Initialization Parameters](#)
[Back to Top](#)

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.610.1103891387 +OQ05EODB_RECO01/OQ05EODB/CONTROLFILE/current.835.1103891387	

[Back to Initialization Parameters](#)
[Back to Top](#)

Active Session History (ASH) Report

- [Top SQL with Top Events](#)
- [Top SQL with Top Row Sources](#)
- [Top Sessions](#)
- [Top Blocking Sessions](#)
- [Top PL/SQL Procedures](#)
- [Top Events](#)
- [Top Event P1/P2/P3 Values](#)
- [Top DB Objects](#)
- [Activity Over Time](#)

[Back to Top](#)

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	51879	41.82	latch: ges resource hash list	35.34	SEQUENCE	35.34	SELECT /*YANTRA*/ TO_CHAR(sysd...

ccfrfn4vuht0	3998855891	7626	library cache: mutex X		5.45 SEQUENCE	5.45
			6.16 enq: TX - row lock contention		5.98 FOR UPDATE	5.98 SELECT /*YANTRA*/ YFS_ORDER_HE...
3p2pvz386k2gp		6711	5.40 enq: TX - row lock contention		3.59 ** Row Source Not Available **	3.59 begin ctxsys.drxxmd.AllocateDo...
			5.40 buffer busy waits		1.55 ** Row Source Not Available **	1.55 begin ctxsys.drxxmd.AllocateDo...
9cgyp6cvk2bt8		4575	3.68 enq: TX - row lock contention		2.31 ** Row Source Not Available **	2.31 begin ctxsys.drxdml.lock_opt_r...
			4575 3.68 buffer busy waits		1.08 ** Row Source Not Available **	1.08 begin ctxsys.drxdml.lock_opt_r...
0w4vhuy4s379a		4409	3.55 enq: TX - row lock contention		2.11 ** Row Source Not Available **	2.11 begin :1 := ctxsys.drxdml.lock...
			4409 3.55 buffer busy waits		1.12 ** Row Source Not Available **	1.12 begin :1 := ctxsys.drxdml.lock...

[Back to Active Session History \(ASH\) Report](#)

[Back to Top](#)

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	51879	41.82	SEQUENCE	41.41	latch: ges resource hash list	35.34	SELECT /*YANTRA*/ TO_CHAR(sysd...
ccfrfn4vuht0	3998855891	7626	6.16	FOR UPDATE	5.99	enq: TX - row lock contention	5.98	SELECT /*YANTRA*/ YFS_ORDER_HE...
3p2pvz386k2gp		6711	5.40	** Row Source Not Available **	5.40	enq: TX - row lock contention	3.59	begin ctxsys.drxxmd.AllocateDo...
9cgyp6cvk2bt8		4575	3.68	** Row Source Not Available **	3.68	enq: TX - row lock contention	2.31	begin ctxsys.drxdml.lock_opt_r...
0w4vhuy4s379a		4409	3.55	** Row Source Not Available **	3.55	enq: TX - row lock contention	2.11	begin :1 := ctxsys.drxdml.lock...

[Back to Active Session History \(ASH\) Report](#)

[Back to Top](#)

Top Sessions

No data exists for this section of the report.

[Back to Active Session History \(ASH\) Report](#)

[Back to Top](#)

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
14853,40514(1)	4.23	log file sync	4.23	SYS	oracle@dr102om...uy.com (LGWR)	312/358 [87%]	0

[Back to Active Session History \(ASH\) Report](#)

[Back to Top](#)

Top PL/SQL Procedures

- 'PL/SQL entry subprogram' represents the application's top-level entry-point (procedure, function, trigger, package initialization or RPC call) into PL/SQL.
- 'PL/SQL current subprogram' is the PL/SQL subprogram being executed at the point of sampling . If the value is 'SQL', it represents the percentage of time spent executing SQL for the particular PL/SQL entry subprogram

PL/SQL Entry Subprogram	% Activity	PL/SQL Current Subprogram	% Current
CTXSYS.DRVXMD.ALLOCATEDOCIDS	5.37	SQL	5.30
CTXSYS.DRVDML.LOCK_OPT_REBUILD	3.65	SQL	3.52
CTXSYS.DRVDML.LOCK_OPT_AGGMERGE	3.52	SQL	3.40
CTXSYS.DRVXMD.INCREMENTDOCCNT	2.53	SQL	2.46

[Back to Active Session History \(ASH\) Report](#)
[Back to Top](#)

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	BACKGROUND	35.66	123.79
CPU + Wait for CPU	CPU	BACKGROUND	23.33	80.99
enq: TX - row lock contention	Application	BACKGROUND	15.74	54.66
library cache: mutex X	Concurrency	BACKGROUND	6.10	21.19
buffer busy waits	Concurrency	BACKGROUND	4.96	17.22

[Back to Active Session History \(ASH\) Report](#)
[Back to Top](#)

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	35.66	"108705204640","205","0"	31.26	address	number	why
		"108705204640","205","107729677552"	4.08			
enq: TX - row lock contention	15.74	"1415053318","131661886","733485"	0.03	name mode	usn<<16 slot	sequence
library cache: mutex X	6.10	"1575989755","0","136816183279620"	0.61	idn	value	where
buffer busy waits	4.96	"765","1093511","1"	2.30	file#	block#	class#
		"1","12029","1"	2.16			
log file sync	4.23	"24","14607846134869","0"	0.00	buffer#	sync scn	NOT DEFINED

[Back to Active Session History \(ASH\) Report](#)
[Back to Top](#)

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
915236	7.55	enq: TX - row lock contention	5.25	CTXSYS.DR\$INDEX (TABLE)	SYSAUX
		buffer busy waits	2.30		
11607	6.58	enq: TX - row lock contention	4.42	SYS.DBMS_LOCK_ALLOCATED (TABLE)	SYSTEM
		buffer busy waits	2.16		
23717	5.98	enq: TX - row lock contention	5.98	YANTRA.YFS_ORDER_HEADER (TABLE)	EODAT102

[Back to Active Session History \(ASH\) Report](#)
[Back to Top](#)

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
03:00:17 (4.7 min)	11,596	latch: ges resource hash list	5,714	4.59
		CPU + Wait for CPU	2,169	1.74
		enq: TX - row lock contention	1,248	1.00
03:05:00 (5.0 min)	11,275	latch: ges resource hash list	4,656	3.74
		CPU + Wait for CPU	2,497	2.01
		enq: TX - row lock contention	1,512	1.22
03:10:00 (5.0 min)	10,275	latch: ges resource hash list	3,556	2.86
		CPU + Wait for CPU	2,492	2.00
		enq: TX - row lock contention	1,715	1.38
03:15:00 (5.0 min)	10,473	latch: ges resource hash list	4,567	3.67
		CPU + Wait for CPU	2,540	2.04

03:20:00 (5.0 min)	10,270	enq: TX - row lock contention	1,065	0.86
		latch: ges resource hash list	3,832	3.08
		CPU + Wait for CPU	2,509	2.02
03:25:00 (5.0 min)	10,503	enq: TX - row lock contention	1,270	1.02
		latch: ges resource hash list	4,108	3.30
		CPU + Wait for CPU	2,474	1.99
03:30:00 (5.0 min)	10,182	enq: TX - row lock contention	1,206	0.97
		latch: ges resource hash list	3,803	3.06
		CPU + Wait for CPU	2,546	2.05
03:35:00 (5.0 min)	9,704	enq: TX - row lock contention	1,601	1.29
		CPU + Wait for CPU	2,572	2.07
		enq: TX - row lock contention	2,038	1.64
03:40:00 (5.0 min)	10,936	latch: ges resource hash list	2,017	1.62
		latch: ges resource hash list	4,410	3.55
		CPU + Wait for CPU	2,453	1.97
03:45:00 (5.0 min)	9,153	enq: TX - row lock contention	1,810	1.46
		CPU + Wait for CPU	2,457	1.98
		enq: TX - row lock contention	2,050	1.65
03:50:00 (5.0 min)	10,599	latch: ges resource hash list	1,864	1.50
		latch: ges resource hash list	3,507	2.82
		CPU + Wait for CPU	2,552	2.05
03:55:00 (5.0 min)	9,411	enq: TX - row lock contention	2,048	1.65
		CPU + Wait for CPU	2,413	1.94
		latch: ges resource hash list	2,320	1.87
		enq: TX - row lock contention	2,020	1.62

[Back to Active Session History \(ASH\) Report](#)
[Back to Top](#)

ADDM Task ADDM:2798060480_1_827

ADDM Report for Task 'ADDM:2798060480_1_827'

Analysis Period

AWR snapshot range from 826 to 827.
Time period starts at 17-MAY-22 03.00.18 AM
Time period ends at 17-MAY-22 03.15.34 AM

Analysis Target

Database 'OQ05EODB' with DB ID 2798060480.
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 367184 seconds.
The average number of active sessions was 400.86.

Summary of Findings

Description	Active Sessions Percent of Activity		Recommendations
1 Top SQL Statements	280.28	69.92	7
2 Unusual "Other" Wait Event	166.57	41.55	3
3 Row Lock Waits	51.24	12.78	5
4 Shared Pool Latches	23.79	5.93	0
5 Buffer Busy - Hot Objects	17.62	4.39	5
6 Commits and Rollbacks	16.38	4.09	2
7 ITL Waits	9.02	2.25	9
8 Buffer Busy - Hot Block	8.6	2.15	2
9 Buffer Busy - Hot Block	7.32	1.83	2

Findings and Recommendations

Finding 1: Top SQL Statements

Impact is 280.28 active sessions, 69.92% 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 197.84 active sessions, 49.35% 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 1% 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 10404379 times and had an average elapsed time of 0.016 seconds.

Rationale

Waiting for event "latch: ges resource hash list" in wait class "Other" accounted for 87% 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 10% of the database time spent in processing the SQL statement with SQL_ID "8pvr9fks6m1r9".

Recommendation 2: SQL Tuning

Estimated benefit is 20.09 active sessions, 5.01% of total activity.

Action

Investigate the PL/SQL statement with SQL_ID "3p2pvz386k2gp" 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 3p2pvz386k2gp.
 begin ctxsys.drvmxmd.AllocateDocids(:1, :2, :3, :4); end;

Rationale

The SQL Tuning Advisor cannot operate on PL/SQL statements.

Rationale

Database time for this SQL was divided as follows: 99% for SQL execution, 0% for parsing, 1% for PL/SQL execution and 0% for Java execution.

Rationale

SQL statement with SQL_ID "3p2pvz386k2gp" was executed 263568 times and had an average elapsed time of 0.067 seconds.

Rationale

Waiting for event "enq: TX - row lock contention" in wait class "Application" accounted for 66% of the database time spent in processing the SQL statement with SQL_ID "3p2pvz386k2gp".

Recommendation 3: SQL Tuning

Estimated benefit is 19.29 active sessions, 4.81% 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 3% 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 531726 times and had an average elapsed time of 0.032 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 4: SQL Tuning

Estimated benefit is 12.31 active sessions, 3.07% of total activity.

Action

Investigate the PL/SQL statement with SQL_ID "0w4vhuy4s379a" 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 0w4vhuy4s379a.

```
begin :1 := ctxsys.drvdml.lock_opt_aggmerge(:2,:3,:4,:5);end;
```

Rationale

The SQL Tuning Advisor cannot operate on PL/SQL statements.

Rationale

Database time for this SQL was divided as follows: 97% for SQL execution, 0% for parsing, 3% for PL/SQL execution and 0% for Java execution.

Rationale

SQL statement with SQL_ID "0w4vhuy4s379a" was executed 263543 times and had an average elapsed time of 0.041 seconds.

Recommendation 5: SQL Tuning

Estimated benefit is 12.1 active sessions, 3.02% of total activity.

Action

Investigate the PL/SQL statement with SQL_ID "9cgyp6cvk2bt8" 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 9cgyp6cvk2bt8.

```
begin ctxsys.drvdml.lock_opt_rebuild(:idxid, :idxpid,
ctxsys.drvdml.s_mode, null); end;
```

Rationale

The SQL Tuning Advisor cannot operate on PL/SQL statements.

Rationale

Database time for this SQL was divided as follows: 95% for SQL execution, 0% for parsing, 5% for PL/SQL execution and 0% for Java execution.

Rationale

SQL statement with SQL_ID "9cgyp6cvk2bt8" was executed 263532 times and had an average elapsed time of 0.039 seconds.

Recommendation 6: SQL Tuning

Estimated benefit is 9.37 active sessions, 2.34% of total activity.

Action

Investigate the PL/SQL statement with SQL_ID "2j8z6b2z0j7kn" 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 2j8z6b2z0j7kn.

```
begin ctxsys.drvmxmd.IncrementDocCnt(:1,:2,:3);end;
```

Rationale

The SQL Tuning Advisor cannot operate on PL/SQL statements.

Rationale

Database time for this SQL was divided as follows: 97% for SQL execution, 0% for parsing, 3% for PL/SQL execution and 0% for Java execution.

Rationale

SQL statement with SQL_ID "2j8z6b2z0j7kn" was executed 263546 times and had an average elapsed time of 0.032 seconds.

Recommendation 7: SQL Tuning

Estimated benefit is 9.27 active sessions, 2.31% of total activity.

Action

Investigate the INSERT statement with SQL_ID "2ycq1d0fd6tum" 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 2ycq1d0fd6tum.

```
INSERT /*YANTRA*/ INTO
YFS_ORDER_LINE_SCHEDULE(ORDER_LINE_SCHEDULE_KEY,SCHEDULE_NO,ORDER_LIN
E_KEY,ORDER_HEADER_KEY,TAG_NUMBER,LOT_NUMBER,REVISION_NO,BATCH_NO,SHI
P_BY_DATE,EXPECTED_SHIPMENT_DATE,EXPECTED_DELIVERY_DATE,SHIP_NODE,REC
EIVING_NODE,OVERRIDE_ITEM_ID,OVERRIDE_UOM,OVERRIDE_PRODUCT_CLASS,DISP
OSITION_CODE,SOURCE_FROM_ORGANIZATION,PROMISED_APPT_START_DATE,PROMIS
ED_APPT_END_DATE,MERGE_NODE,CREATETS,MODIFYTS,CREATEUSERID,MODIFYUSER
ID,CREATEPROGID,MODIFYPROGID,LOCKID,PROCURE_FROM_NODE,PRODUCT_AVAILAB
ILITY_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 )
```

Rationale

The SQL spent only 3% 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 "2ycq1d0fd6tum" was executed 341458 times and had an average elapsed time of 0.025 seconds.

Rationale

Waiting for event "enq: TX - allocate ITL entry" in wait class "Configuration" accounted for 94% of the database time spent in processing the SQL statement with SQL_ID "2ycq1d0fd6tum".

Finding 2: Unusual "Other" Wait Event

Impact is 166.57 active sessions, 41.55% 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 166.57 active sessions, 41.55% 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 166.33 active sessions, 41.49% 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 146.94 active sessions, 36.66% of total activity.

Action

Investigate the cause for high "latch: ges resource hash list" waits with P1,P2,P3 ("address, number, why") values "108705204640", "205" and "0" respectively.

Symptoms That Led to the Finding:

Wait class "Other" was consuming significant database time. Impact is 175.49 active sessions, 43.78% of total activity.

Finding 3: Row Lock Waits

Impact is 51.24 active sessions, 12.78% of total activity.

SQL statements were found waiting for row lock waits.

Recommendation 1: Application Analysis

Estimated benefit is 18.38 active sessions, 4.59% of total activity.

Action

Significant row contention was detected in the TABLE "CTXSYS.DR\$INDEX" with object ID 915236. Trace the cause of row contention in the application logic using the given blocked SQL.

Related Object

Database object with ID 915236.

Rationale

The SQL statement with SQL_ID "3p2pvz386k2gp" was blocked on row locks.

Related Object

SQL statement with SQL_ID 3p2pvz386k2gp.

```
begin ctxsys.drvmxmd.AllocateDocids(:1, :2, :3, :4); end;
```

Rationale

The SQL statement with SQL_ID "2j8z6b2z0j7kn" was blocked on row locks.

Related Object

SQL statement with SQL_ID 2j8z6b2z0j7kn.

```
begin ctxsys.drvmxmd.IncrementDocCnt(:1,:2,:3);end;
```

Recommendation 2: Application Analysis

Estimated benefit is 17.61 active sessions, 4.39% 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 "ccfrfn4vuhttt0" was blocked on row locks.

Related Object

SQL statement with SQL_ID ccfrfn4vuhttt0.

```
SELECT /*YANTRA*/ YFS_ORDER_HEADER.* FROM YFS_ORDER_HEADER
YFS_ORDER_HEADER WHERE (YFS_ORDER_HEADER.ORDER_HEADER_KEY = :1 )
FOR UPDATE
```

Recommendation 3: Application Analysis

Estimated benefit is 13.93 active sessions, 3.48% of total activity.

Action

Significant row contention was detected in the TABLE "SYS.DBMS_LOCK_ALLOCATED" with object ID 11607. Trace the cause of row contention in the application logic using the given blocked SQL.

Related Object

Database object with ID 11607.

Rationale

The SQL statement with SQL_ID "9cgyp6cvk2bt8" was blocked on row locks.

Related Object

SQL statement with SQL_ID 9cgyp6cvk2bt8.

```
begin ctxsys.drvdml.lock_opt_rebuild(:idxid, :idxpid,
ctxsys.drvdml.s_mode, null); end;
```

Rationale

The SQL statement with SQL_ID "0w4vhuy4s379a" was blocked on row locks.

Related Object

SQL statement with SQL_ID 0w4vhuy4s379a.

```
begin :1 := ctxsys.drvdml.lock_opt_aggmerge(:2,:3,:4,:5);end;
```

Recommendation 4: Application Analysis

Estimated benefit is .12 active sessions, .03% 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.

Recommendation 5: Application Analysis

Estimated benefit is .1 active sessions, .03% of total activity.

Action

Significant row contention was detected in the INDEX
"YANTRA.YFS_RES_POOL_CAPCTY_CONSMPN_I1" with object ID 31529. Trace the
cause of row contention in the application logic using the given blocked
SQL.

Related Object

Database object with ID 31529.

Symptoms That Led to the Finding:

Wait class "Application" was consuming significant database time.
Impact is 51.24 active sessions, 12.78% of total activity.

Finding 4: Shared Pool Latches

Impact is 23.79 active sessions, 5.93% of total activity.

Contention for latches related to the shared pool was consuming significant
database time.

Waits for "library cache: mutex X" amounted to 5% of database time.

No recommendations are available.

Symptoms That Led to the Finding:

Wait class "Concurrency" was consuming significant database time.
Impact is 45.74 active sessions, 11.41% of total activity.

Finding 5: Buffer Busy - Hot Objects

Impact is 17.62 active sessions, 4.39% of total activity.

Read and write contention on database blocks was consuming significant
database time.

Recommendation 1: Application Analysis

Estimated benefit is 8.6 active sessions, 2.15% of total activity.

Action

Trace the cause of contention on TABLE "CTXSYS.DR\$INDEX" with object ID
915236 in the application.

Related Object

Database object with ID 915236.

Recommendation 2: Application Analysis

Estimated benefit is 7.32 active sessions, 1.83% of total activity.

Action

Trace the cause of contention on TABLE "SYS.DBMS_LOCK_ALLOCATED" with
object ID 11607 in the application.

Related Object

Database object with ID 11607.

Recommendation 3: Schema Changes

Estimated benefit is .23 active sessions, .06% of total activity.

Action

Consider partitioning the INDEX "YANTRA.EOMS_ORD_LN_OD_I10" with object
ID 298509 in a manner that will evenly distribute concurrent DML across
multiple partitions.

Related Object

Database object with ID 298509.

Recommendation 4: Schema Changes

Estimated benefit is .12 active sessions, .03% of total activity.

Action

Consider partitioning the INDEX "YANTRA.YFS_INVENTORY_DEMAND_ADDNL_PK"
with object ID 30401 in a manner that will evenly distribute concurrent
DML across multiple partitions.

Related Object

Database object with ID 30401.

Recommendation 5: Schema Changes

Estimated benefit is .12 active sessions, .03% of total activity.

Action

Consider partitioning the INDEX "YANTRA.BBY_YFS_AUDIT_I11" with object ID 797941 in a manner that will evenly distribute concurrent DML across multiple partitions.

Related Object

Database object with ID 797941.

Symptoms That Led to the Finding:

Read and write contention on database blocks was consuming significant database time.

Impact is 17.62 active sessions, 4.39% of total activity.

Wait class "Concurrency" was consuming significant database time.

Impact is 45.74 active sessions, 11.41% of total activity.

Finding 6: Commits and Rollbacks

Impact is 16.38 active sessions, 4.09% 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 16.38 active sessions, 4.09% 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 491201 transactions per minute with an average redo size of 5967 bytes per transaction.

Recommendation 2: Host Configuration

Estimated benefit is 16.38 active sessions, 4.09% 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 44 K and the average time per write was 2 milliseconds.

Rationale

The total I/O throughput on redo log files was 48 M per second for reads and 101 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 16.38 active sessions, 4.09% of total activity.

Finding 7: ITL Waits

Impact is 9.02 active sessions, 2.25% of total activity.

Waits for ITL enqueue were consuming significant database time.

Recommendation 1: Schema Changes

Estimated benefit is 8.73 active sessions, 2.18% of total activity.

Action

Consider increasing INITRANS for the INDEX "YANTRA.BBY_ORDER_LINE_SCHEDULE_I1" with object ID 88075 without rebuilding it.

Related Object

Database object with ID 88075.

Rationale

The SQL statement with SQL_ID "2ycq1d0fd6tum" was found waiting for the Interested Transaction List (ITL) enqueue on the INDEX "YANTRA.BBY_ORDER_LINE_SCHEDULE_I1" with object ID 88075.

Related Object

SQL statement with SQL_ID 2ycq1d0fd6tum.
 INSERT /*YANTRA*/ INTO
 YFS_ORDER_LINE_SCHEDULE(ORDER_LINE_SCHEDULE_KEY,SCHEDULE_NO,ORDER_LIN
 E_KEY,ORDER_HEADER_KEY,TAG_NUMBER,LOT_NUMBER,REVISION_NO,BATCH_NO,SHI
 P_BY_DATE,EXPECTED_SHIPMENT_DATE,EXPECTED_DELIVERY_DATE,SHIP_NODE,REC
 EIVING_NODE,OVERRIDE_ITEM_ID,OVERRIDE_UOM,OVERRIDE_PRODUCT_CLASS,DISP
 OSITION_CODE,SOURCE_FROM_ORGANIZATION,PROMISED_APPT_START_DATE,PROMIS
 ED_APPT_END_DATE,MERGE_NODE,CREATETS,MODIFYTS,CREATEUSERID,MODIFYUSER
 ID,CREATEPROGID,MODIFYPROGID,LOCKID,PROCURE_FROM_NODE,PRODUCT_AVAILAB
 ILITY_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)

Recommendation 2: Schema Changes

Estimated benefit is 8.73 active sessions, 2.18% of total activity.

Action

Consider rebuilding the INDEX "YANTRA.BBY_ORDER_LINE_SCHEDULE_I1" with
 object id 88075 using a higher value for INITRANS.

Related Object

Database object with ID 88075.

Rationale

The SQL statement with SQL_ID "2ycq1d0fd6tum" was found waiting for the
 Interested Transaction List (ITL) enqueue on the INDEX
 "YANTRA.BBY_ORDER_LINE_SCHEDULE_I1" with object ID 88075.

Related Object

SQL statement with SQL_ID 2ycq1d0fd6tum.
 INSERT /*YANTRA*/ INTO
 YFS_ORDER_LINE_SCHEDULE(ORDER_LINE_SCHEDULE_KEY,SCHEDULE_NO,ORDER_LIN
 E_KEY,ORDER_HEADER_KEY,TAG_NUMBER,LOT_NUMBER,REVISION_NO,BATCH_NO,SHI
 P_BY_DATE,EXPECTED_SHIPMENT_DATE,EXPECTED_DELIVERY_DATE,SHIP_NODE,REC
 EIVING_NODE,OVERRIDE_ITEM_ID,OVERRIDE_UOM,OVERRIDE_PRODUCT_CLASS,DISP
 OSITION_CODE,SOURCE_FROM_ORGANIZATION,PROMISED_APPT_START_DATE,PROMIS
 ED_APPT_END_DATE,MERGE_NODE,CREATETS,MODIFYTS,CREATEUSERID,MODIFYUSER
 ID,CREATEPROGID,MODIFYPROGID,LOCKID,PROCURE_FROM_NODE,PRODUCT_AVAILAB
 ILITY_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)

Recommendation 3: Schema Changes

Estimated benefit is 8.73 active sessions, 2.18% of total activity.

Action

Consider hash partitioning the INDEX "YANTRA.BBY_ORDER_LINE_SCHEDULE_I1"
 with object ID 88075 in a manner that will evenly distribute concurrent
 DML across multiple partitions.

Related Object

Database object with ID 88075.

Rationale

The SQL statement with SQL_ID "2ycq1d0fd6tum" was found waiting for the
 Interested Transaction List (ITL) enqueue on the INDEX
 "YANTRA.BBY_ORDER_LINE_SCHEDULE_I1" with object ID 88075.

Related Object

SQL statement with SQL_ID 2ycq1d0fd6tum.
 INSERT /*YANTRA*/ INTO
 YFS_ORDER_LINE_SCHEDULE(ORDER_LINE_SCHEDULE_KEY,SCHEDULE_NO,ORDER_LIN
 E_KEY,ORDER_HEADER_KEY,TAG_NUMBER,LOT_NUMBER,REVISION_NO,BATCH_NO,SHI
 P_BY_DATE,EXPECTED_SHIPMENT_DATE,EXPECTED_DELIVERY_DATE,SHIP_NODE,REC
 EIVING_NODE,OVERRIDE_ITEM_ID,OVERRIDE_UOM,OVERRIDE_PRODUCT_CLASS,DISP
 OSITION_CODE,SOURCE_FROM_ORGANIZATION,PROMISED_APPT_START_DATE,PROMIS
 ED_APPT_END_DATE,MERGE_NODE,CREATETS,MODIFYTS,CREATEUSERID,MODIFYUSER
 ID,CREATEPROGID,MODIFYPROGID,LOCKID,PROCURE_FROM_NODE,PRODUCT_AVAILAB
 ILITY_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)

Recommendation 4: Schema Changes

Estimated benefit is .18 active sessions, .04% of total activity.

Action

Consider increasing INITRANS for the INDEX
 "YANTRA.YFS_ORDER_HOLD_TYPE_LOG_PK" with object ID 31685 without
 rebuilding it.

Related Object

Database object with ID 31685.

Recommendation 5: Schema Changes

Estimated benefit is .18 active sessions, .04% of total activity.

Action

Consider rebuilding the INDEX "YANTRA.YFS_ORDER_HOLD_TYPE_LOG_PK" with object id 31685 using a higher value for INITRANS.

Related Object

Database object with ID 31685.

Recommendation 6: Schema Changes

Estimated benefit is .18 active sessions, .04% of total activity.

Action

Consider hash partitioning the INDEX "YANTRA.YFS_ORDER_HOLD_TYPE_LOG_PK" with object ID 31685 in a manner that will evenly distribute concurrent DML across multiple partitions.

Related Object

Database object with ID 31685.

Recommendation 7: Schema Changes

Estimated benefit is .11 active sessions, .03% of total activity.

Action

Consider increasing INITRANS for the INDEX PARTITION "YANTRA.BBY_ORDER_HOLD_TYPE_I3.SYS_P9990" with object ID 187183 without rebuilding it.

Related Object

Database object with ID 187183.

Recommendation 8: Schema Changes

Estimated benefit is .11 active sessions, .03% of total activity.

Action

Consider rebuilding the INDEX PARTITION "YANTRA.BBY_ORDER_HOLD_TYPE_I3.SYS_P9990" with object id 187183 using a higher value for INITRANS.

Related Object

Database object with ID 187183.

Recommendation 9: Schema Changes

Estimated benefit is .11 active sessions, .03% of total activity.

Action

Consider hash partitioning the INDEX PARTITION "YANTRA.BBY_ORDER_HOLD_TYPE_I3.SYS_P9990" with object ID 187183 in a manner that will evenly distribute concurrent DML across multiple partitions.

Related Object

Database object with ID 187183.

Symptoms That Led to the Finding:Wait class "Configuration" was consuming significant database time.
Impact is 9.63 active sessions, 2.4% of total activity.**Finding 8: Buffer Busy - Hot Block**

Impact is 8.6 active sessions, 2.15% of total activity.

A hot data block with concurrent read and write activity was found. The block belongs to segment "CTXSYS.DR\$INDEX" and is block 1093511 in file 765.

Recommendation 1: Application Analysis

Estimated benefit is 8.6 active sessions, 2.15% of total activity.

Action

Investigate application logic to find the cause of high concurrent read and write activity to the data present in this block.

Related Object

Database block with object number 915236, file number 765 and block number 1093511.

Rationale

The SQL statement with SQL_ID "3p2pvz386k2gp" spent significant time on "buffer busy" waits for the hot block.

Related Object

SQL statement with SQL_ID 3p2pvz386k2gp.

```
begin ctxsys.drvmxmd.AllocateDocids(:1, :2, :3, :4); end;
```

Recommendation 2: Schema Changes

Estimated benefit is 8.6 active sessions, 2.15% of total activity.

Action

Consider rebuilding the TABLE "CTXSYS.DR\$INDEX" with object ID 915236 using a higher value for PCTFREE.

Related Object

Database object with ID 915236.

Symptoms That Led to the Finding:

Read and write contention on database blocks was consuming significant database time.

Impact is 17.62 active sessions, 4.39% of total activity.

Wait class "Concurrency" was consuming significant database time.

Impact is 45.74 active sessions, 11.41% of total activity.

Finding 9: Buffer Busy - Hot Block

Impact is 7.32 active sessions, 1.83% of total activity.

A hot data block with concurrent read and write activity was found. The block belongs to segment "SYS.DBMS_LOCK_ALLOCATED" and is block 12029 in file 1.

Recommendation 1: Application Analysis

Estimated benefit is 7.32 active sessions, 1.83% of total activity.

Action

Investigate application logic to find the cause of high concurrent read and write activity to the data present in this block.

Related Object

Database block with object number 11607, file number 1 and block number 12029.

Recommendation 2: Schema Changes

Estimated benefit is 7.32 active sessions, 1.83% of total activity.

Action

Consider rebuilding the TABLE "SYS.DBMS_LOCK_ALLOCATED" with object ID 11607 using a higher value for PCTFREE.

Related Object

Database object with ID 11607.

Symptoms That Led to the Finding:

Read and write contention on database blocks was consuming significant database time.

Impact is 17.62 active sessions, 4.39% of total activity.

Wait class "Concurrency" was consuming significant database time.

Impact is 45.74 active sessions, 11.41% of total activity.

Additional Information**Miscellaneous Information**

Wait class "Cluster" 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.

The database's maintenance windows were active during 100% of the analysis period.

ADDM Task ADDM:2798060480_1_828

ADDM Report for Task 'ADDM:2798060480_1_828'

Analysis Period

AWR snapshot range from 827 to 828.
 Time period starts at 17-MAY-22 03.15.34 AM
 Time period ends at 17-MAY-22 03.30.46 AM

Analysis Target

Database 'OQ05EODB' with DB ID 2798060480.
 Database version 19.0.0.0.
 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 345130 seconds.
 The average number of active sessions was 378.43.

Summary of Findings

Description		Active Sessions Percent of Activity	Recommendations
1	Top SQL Statements	257.57 68.06	7
2	Unusual "Other" Wait Event	153.13 40.47	3
3	Row Lock Waits	47.87 12.65	3
4	Shared Pool Latches	22.53 5.95	0
5	Buffer Busy - Hot Objects	16.79 4.44	5
6	Commits and Rollbacks	14.71 3.89	2
7	ITL Waits	9.32 2.46	6
8	Buffer Busy - Hot Block	9.12 2.41	2
9	"Network" Wait Class	7.58 2	0
10	Buffer Busy - Hot Block	5.79 1.53	2

Findings and Recommendations**Finding 1: Top SQL Statements**

Impact is 257.29 active sessions, 68.06% 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 184.08 active sessions, 48.64% 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 1% 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 10106945 times and had an average elapsed time of 0.015 seconds.

Rationale

Waiting for event "latch: ges resource hash list" in wait class "Other" accounted for 85% 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 12% of the database time spent in processing the SQL statement with SQL_ID "8pvr9fks6m1r9".

Recommendation 2: SQL Tuning

Estimated benefit is 19.6 active sessions, 5.18% of total activity.

Action

Investigate the PL/SQL statement with SQL_ID "3p2pvz386k2gp" 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 3p2pvz386k2gp.
begin ctxsys.drvmxmd.AllocateDocids(:1, :2, :3, :4); end;

Rationale

The SQL Tuning Advisor cannot operate on PL/SQL statements.

Rationale

Database time for this SQL was divided as follows: 99% for SQL execution, 0% for parsing, 1% for PL/SQL execution and 0% for Java execution.

Rationale

SQL statement with SQL_ID "3p2pvz386k2gp" was executed 265214 times and had an average elapsed time of 0.068 seconds.

Rationale

Waiting for event "enq: TX - row lock contention" in wait class "Application" accounted for 64% of the database time spent in processing the SQL statement with SQL_ID "3p2pvz386k2gp".

Recommendation 3: SQL Tuning

Estimated benefit is 17.15 active sessions, 4.53% 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 3% 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 509811 times and had an average elapsed time of 0.032 seconds.

Rationale

Waiting for event "enq: TX - row lock contention" in wait class "Application" accounted for 95% of the database time spent in processing the SQL statement with SQL_ID "ccfrfn4vuhtt0".

Recommendation 4: SQL Tuning

Estimated benefit is 10.8 active sessions, 2.85% of total activity.

Action

Investigate the INSERT statement with SQL_ID "2ycq1d0fd6tum" 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 2ycq1d0fd6tum.
INSERT /*YANTRA*/ INTO
YFS_ORDER_LINE_SCHEDULE(ORDER_LINE_SCHEDULE_KEY,SCHEDULE_NO,ORDER_LIN
E_KEY,ORDER_HEADER_KEY,TAG_NUMBER,LOT_NUMBER,REVISION_NO,BATCH_NO,SHI
P_BY_DATE,EXPECTED_SHIPMENT_DATE,EXPECTED_DELIVERY_DATE,SHIP_NODE,REC
EIVING_NODE,OVERRIDE_ITEM_ID,OVERRIDE_UOM,OVERRIDE_PRODUCT_CLASS,DISP
OSITION_CODE,SOURCE_FROM_ORGANIZATION,PROMISED_APPT_START_DATE,PROMIS

```
ED_APPT_END_DATE,MERGE_NODE,CREATETS,MODIFYTS,CREATEUSERID,MODIFYUSER
ID,CREATEPROGID,MODIFYPROGID,LOCKID,PROCURE_FROM_NODE,PRODUCT_AVAILAB
ILITY_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 )
```

Rationale

The SQL spent only 4% 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 "2ycq1d0fd6tum" was executed 338308 times and had an average elapsed time of 0.024 seconds.

Rationale

Waiting for event "enq: TX - allocate ITL entry" in wait class "Configuration" accounted for 92% of the database time spent in processing the SQL statement with SQL_ID "2ycq1d0fd6tum".

Recommendation 5: SQL Tuning

Estimated benefit is 9.42 active sessions, 2.49% of total activity.

Action

Investigate the PL/SQL statement with SQL_ID "9cgyp6cvk2bt8" 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 9cgyp6cvk2bt8.
begin  ctxsys.drvdml.lock_opt_rebuild(:idxid, :idxpid,
ctxsys.drvdml.s_mode, null); end;
```

Rationale

The SQL Tuning Advisor cannot operate on PL/SQL statements.

Rationale

Database time for this SQL was divided as follows: 94% for SQL execution, 0% for parsing, 6% for PL/SQL execution and 0% for Java execution.

Rationale

SQL statement with SQL_ID "9cgyp6cvk2bt8" was executed 265211 times and had an average elapsed time of 0.032 seconds.

Recommendation 6: SQL Tuning

Estimated benefit is 8.75 active sessions, 2.31% of total activity.

Action

Investigate the PL/SQL statement with SQL_ID "2j8z6b2z0j7kn" 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 2j8z6b2z0j7kn.
begin  ctxsys.drvxmd.IncrementDocCnt(:1,:2,:3);end;
```

Rationale

The SQL Tuning Advisor cannot operate on PL/SQL statements.

Rationale

Database time for this SQL was divided as follows: 99% for SQL execution, 0% for parsing, 1% for PL/SQL execution and 0% for Java execution.

Rationale

SQL statement with SQL_ID "2j8z6b2z0j7kn" was executed 265228 times and had an average elapsed time of 0.032 seconds.

Recommendation 7: SQL Tuning

Estimated benefit is 7.77 active sessions, 2.05% of total activity.

Action

Investigate the PL/SQL statement with SQL_ID "0w4vhuy4s379a" 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 0w4vhuy4s379a.
begin :1 := ctxsys.drvdml.lock_opt_aggmerge(:2,:3,:4,:5);end;
```

Rationale

The SQL Tuning Advisor cannot operate on PL/SQL statements.

Rationale

Database time for this SQL was divided as follows: 93% for SQL

execution, 0% for parsing, 7% for PL/SQL execution and 0% for Java execution.

Rationale

SQL statement with SQL_ID "0w4vhuy4s379a" was executed 265198 times and had an average elapsed time of 0.031 seconds.

Finding 2: Unusual "Other" Wait Event

Impact is 152.97 active sessions, 40.47% 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 153.13 active sessions, 40.47% 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 152.94 active sessions, 40.41% 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 133.54 active sessions, 35.29% of total activity.

Action

Investigate the cause for high "latch: ges resource hash list" waits with P1,P2,P3 ("address, number, why") values "108705204640", "205" and "0" respectively.

Symptoms That Led to the Finding:

Wait class "Other" was consuming significant database time. Impact is 161.87 active sessions, 42.77% of total activity.

Finding 3: Row Lock Waits

Impact is 47.82 active sessions, 12.65% of total activity.

SQL statements were found waiting for row lock waits.

Recommendation 1: Application Analysis

Estimated benefit is 19.86 active sessions, 5.25% of total activity.

Action

Significant row contention was detected in the TABLE "CTXSYS.DR\$INDEX" with object ID 915236. Trace the cause of row contention in the application logic using the given blocked SQL.

Related Object

Database object with ID 915236.

Rationale

The SQL statement with SQL_ID "3p2pvz386k2gp" was blocked on row locks.

Related Object

SQL statement with SQL_ID 3p2pvz386k2gp.

begin ctxsys.drvmxmd.AllocateDocids(:1, :2, :3, :4); end;

Rationale

The SQL statement with SQL_ID "2j8z6b2z0j7kn" was blocked on row locks.

Related Object

SQL statement with SQL_ID 2j8z6b2z0j7kn.

begin ctxsys.drvmxmd.IncrementDocCnt(:1,:2,:3);end;

Recommendation 2: Application Analysis

Estimated benefit is 18.1 active sessions, 4.78% 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 3: Application Analysis

Estimated benefit is 9.89 active sessions, 2.61% of total activity.

Action

Significant row contention was detected in the TABLE
 "SYS.DBMS_LOCK_ALLOCATED" with object ID 11607. Trace the cause of row
 contention in the application logic using the given blocked SQL.

Related Object

Database object with ID 11607.

Rationale

The SQL statement with SQL_ID "9cgyp6cvk2bt8" was blocked on row locks.

Related Object

SQL statement with SQL_ID 9cgyp6cvk2bt8.

```
begin ctxsys.drvdml.lock_opt_rebuild(:idxid, :idxpid,
ctxsys.drvdml.s_mode, null); end;
```

Rationale

The SQL statement with SQL_ID "0w4vhuy4s379a" was blocked on row locks.

Related Object

SQL statement with SQL_ID 0w4vhuy4s379a.

```
begin :1 := ctxsys.drvdml.lock_opt_aggmerge(:2,:3,:4,:5);end;
```

Symptoms That Led to the Finding:

Wait class "Application" was consuming significant database time.
 Impact is 47.88 active sessions, 12.65% of total activity.

Finding 4: Shared Pool Latches

Impact is 22.51 active sessions, 5.95% of total activity.

Contention for latches related to the shared pool was consuming significant
 database time.

Waits for "library cache: mutex X" amounted to 5% of database time.

No recommendations are available.

Symptoms That Led to the Finding:

Wait class "Concurrency" was consuming significant database time.
 Impact is 43.69 active sessions, 11.55% of total activity.

Finding 5: Buffer Busy - Hot Objects

Impact is 16.77 active sessions, 4.44% of total activity.

Read and write contention on database blocks was consuming significant
 database time.

Recommendation 1: Application Analysis

Estimated benefit is 9.12 active sessions, 2.41% of total activity.

Action

Trace the cause of contention on TABLE "CTXSYS.DR\$INDEX" with object ID
 915236 in the application.

Related Object

Database object with ID 915236.

Recommendation 2: Application Analysis

Estimated benefit is 5.79 active sessions, 1.53% of total activity.

Action

Trace the cause of contention on TABLE "SYS.DBMS_LOCK_ALLOCATED" with
 object ID 11607 in the application.

Related Object

Database object with ID 11607.

Recommendation 3: Schema Changes

Estimated benefit is .17 active sessions, .04% of total activity.

Action

Consider partitioning the INDEX "YANTRA.BBY_ORDER_LINE_SCHEDULE_I1" with object ID 88075 in a manner that will evenly distribute concurrent DML across multiple partitions.

Related Object

Database object with ID 88075.

Recommendation 4: Schema Changes

Estimated benefit is .1 active sessions, .03% of total activity.

Action

Consider partitioning the INDEX PARTITION "YANTRA.YFS_ORDER_RELEASE_STATUS_I10.SYS_P495" with object ID 28322 in a manner that will evenly distribute concurrent DML across multiple partitions.

Related Object

Database object with ID 28322.

Recommendation 5: Schema Changes

Estimated benefit is .08 active sessions, .02% of total activity.

Action

Consider hash partitioning the INDEX "YANTRA.EOMS_OL_OD_PK" with object ID 298507 in a manner that will evenly distribute concurrent DML across multiple partitions.

Related Object

Database object with ID 298507.

Symptoms That Led to the Finding:

Read and write contention on database blocks was consuming significant database time.

Impact is 16.79 active sessions, 4.44% of total activity.

Wait class "Concurrency" was consuming significant database time.

Impact is 43.69 active sessions, 11.55% of total activity.

Finding 6: Commits and Rollbacks

Impact is 14.7 active sessions, 3.89% 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 14.71 active sessions, 3.89% 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 485610 transactions per minute with an average redo size of 5901 bytes per transaction.

Recommendation 2: Host Configuration

Estimated benefit is 14.71 active sessions, 3.89% 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 40 K and the average time per write was 1 milliseconds.

Rationale

The total I/O throughput on redo log files was 45 M per second for reads and 94 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 14.71 active sessions, 3.89% of total activity.

Finding 7: ITL Waits

Impact is 9.31 active sessions, 2.46% of total activity.

Waits for ITL enqueue were consuming significant database time.

Recommendation 1: Schema Changes

Estimated benefit is 8.73 active sessions, 2.31% of total activity.

Action

Consider increasing INITRANS for the INDEX
"YANTRA.BBY_ORDER_LINE_SCHEDULE_I1" with object ID 88075 without
rebuilding it.

Related Object

Database object with ID 88075.

Rationale

The SQL statement with SQL_ID "2ycq1d0fd6tum" was found waiting for the
Interested Transaction List (ITL) enqueue on the INDEX
"YANTRA.BBY_ORDER_LINE_SCHEDULE_I1" with object ID 88075.

Related Object

SQL statement with SQL_ID 2ycq1d0fd6tum.

```
INSERT /*YANTRA*/ INTO
YFS_ORDER_LINE_SCHEDULE(ORDER_LINE_SCHEDULE_KEY,SCHEDULE_NO,ORDER_LIN
E_KEY,ORDER_HEADER_KEY,TAG_NUMBER,LOT_NUMBER,REVISION_NO,BATCH_NO,SHI
P_BY_DATE,EXPECTED_SHIPMENT_DATE,EXPECTED_DELIVERY_DATE,SHIP_NODE,REC
EIVING_NODE,OVERRIDE_ITEM_ID,OVERRIDE_UOM,OVERRIDE_PRODUCT_CLASS,DISP
OSITION_CODE,SOURCE_FROM_ORGANIZATION,PROMISED_APPT_START_DATE,PROMIS
ED_APPT_END_DATE,MERGE_NODE,CREATETS,MODIFYTS,CREATEUSERID,MODIFYUSER
ID,CREATEPROGID,MODIFYPROGID,LOCKID,PROCURE_FROM_NODE,PRODUCT_AVAILAB
ILITY_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 )
```

Recommendation 2: Schema Changes

Estimated benefit is 8.73 active sessions, 2.31% of total activity.

Action

Consider rebuilding the INDEX "YANTRA.BBY_ORDER_LINE_SCHEDULE_I1" with
object id 88075 using a higher value for INITRANS.

Related Object

Database object with ID 88075.

Rationale

The SQL statement with SQL_ID "2ycq1d0fd6tum" was found waiting for the
Interested Transaction List (ITL) enqueue on the INDEX
"YANTRA.BBY_ORDER_LINE_SCHEDULE_I1" with object ID 88075.

Related Object

SQL statement with SQL_ID 2ycq1d0fd6tum.

```
INSERT /*YANTRA*/ INTO
YFS_ORDER_LINE_SCHEDULE(ORDER_LINE_SCHEDULE_KEY,SCHEDULE_NO,ORDER_LIN
E_KEY,ORDER_HEADER_KEY,TAG_NUMBER,LOT_NUMBER,REVISION_NO,BATCH_NO,SHI
P_BY_DATE,EXPECTED_SHIPMENT_DATE,EXPECTED_DELIVERY_DATE,SHIP_NODE,REC
EIVING_NODE,OVERRIDE_ITEM_ID,OVERRIDE_UOM,OVERRIDE_PRODUCT_CLASS,DISP
OSITION_CODE,SOURCE_FROM_ORGANIZATION,PROMISED_APPT_START_DATE,PROMIS
ED_APPT_END_DATE,MERGE_NODE,CREATETS,MODIFYTS,CREATEUSERID,MODIFYUSER
ID,CREATEPROGID,MODIFYPROGID,LOCKID,PROCURE_FROM_NODE,PRODUCT_AVAILAB
ILITY_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 )
```

Recommendation 3: Schema Changes

Estimated benefit is 8.73 active sessions, 2.31% of total activity.

Action

Consider hash partitioning the INDEX "YANTRA.BBY_ORDER_LINE_SCHEDULE_I1"
with object ID 88075 in a manner that will evenly distribute concurrent
DML across multiple partitions.

Related Object

Database object with ID 88075.

Rationale

The SQL statement with SQL_ID "2ycq1d0fd6tum" was found waiting for the
Interested Transaction List (ITL) enqueue on the INDEX

"YANTRA.BBY_ORDER_LINE_SCHEDULE_I1" with object ID 88075.

Related Object

SQL statement with SQL_ID 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)

Recommendation 4: Schema Changes

Estimated benefit is .57 active sessions, .15% of total activity.

Action

Consider increasing INITRANS for the INDEX PARTITION

"YANTRA.BBY_ORDER_HOLD_TYPE_I3.SYS_P9905" with object ID 187098 without rebuilding it.

Related Object

Database object with ID 187098.

Recommendation 5: Schema Changes

Estimated benefit is .57 active sessions, .15% of total activity.

Action

Consider rebuilding the INDEX PARTITION

"YANTRA.BBY_ORDER_HOLD_TYPE_I3.SYS_P9905" with object id 187098 using a higher value for INITRANS.

Related Object

Database object with ID 187098.

Recommendation 6: Schema Changes

Estimated benefit is .57 active sessions, .15% of total activity.

Action

Consider hash partitioning the INDEX PARTITION

"YANTRA.BBY_ORDER_HOLD_TYPE_I3.SYS_P9905" with object ID 187098 in a manner that will evenly distribute concurrent DML across multiple partitions.

Related Object

Database object with ID 187098.

Symptoms That Led to the Finding:

Wait class "Configuration" was consuming significant database time.

Impact is 9.88 active sessions, 2.61% of total activity.

Finding 8: Buffer Busy - Hot Block

Impact is 9.11 active sessions, 2.41% of total activity.

A hot data block with concurrent read and write activity was found. The block belongs to segment "CTXSYS.DR\$INDEX" and is block 1093511 in file 765.

Recommendation 1: Application Analysis

Estimated benefit is 9.12 active sessions, 2.41% of total activity.

Action

Investigate application logic to find the cause of high concurrent read and write activity to the data present in this block.

Related Object

Database block with object number 915236, file number 765 and block number 1093511.

Rationale

The SQL statement with SQL_ID "3p2pvz386k2gp" spent significant time on "buffer busy" waits for the hot block.

Related Object

SQL statement with SQL_ID 3p2pvz386k2gp.

begin ctxsys.drxxmd.AllocateDocids(:1, :2, :3, :4); end;

Recommendation 2: Schema Changes

Estimated benefit is 9.12 active sessions, 2.41% of total activity.

Action

Consider rebuilding the TABLE "CTXSYS.DR\$INDEX" with object ID 915236 using a higher value for PCTFREE.

Related Object

Database object with ID 915236.

Symptoms That Led to the Finding:

Read and write contention on database blocks was consuming significant database time.

Impact is 16.79 active sessions, 4.44% of total activity.

Wait class "Concurrency" was consuming significant database time.

Impact is 43.69 active sessions, 11.55% of total activity.

Finding 9: "Network" Wait Class

Impact is 7.57 active sessions, 2% of total activity.

Wait class "Network" was consuming significant database time.

No recommendations are available.

Finding 10: Buffer Busy - Hot Block

Impact is 5.78 active sessions, 1.53% of total activity.

A hot data block with concurrent read and write activity was found. The block belongs to segment "SYS.DBMS_LOCK_ALLOCATED" and is block 12029 in file 1.

Recommendation 1: Application Analysis

Estimated benefit is 5.79 active sessions, 1.53% of total activity.

Action

Investigate application logic to find the cause of high concurrent read and write activity to the data present in this block.

Related Object

Database block with object number 11607, file number 1 and block number 12029.

Recommendation 2: Schema Changes

Estimated benefit is 5.79 active sessions, 1.53% of total activity.

Action

Consider rebuilding the TABLE "SYS.DBMS_LOCK_ALLOCATED" with object ID 11607 using a higher value for PCTFREE.

Related Object

Database object with ID 11607.

Symptoms That Led to the Finding:

Read and write contention on database blocks was consuming significant database time.

Impact is 16.79 active sessions, 4.44% of total activity.

Wait class "Concurrency" was consuming significant database time.

Impact is 43.69 active sessions, 11.55% of total activity.

Additional Information
-----Miscellaneous Information

Wait class "Cluster" was not consuming significant database time.

CPU was not a bottleneck for the instance.

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.

The database's maintenance windows were active during 100% of the analysis period.

ADDM Task ADDM:2798060480_1_829

ADDM Report for Task 'ADDM:2798060480_1_829'

Analysis Period

AWR snapshot range from 828 to 829.
Time period starts at 17-MAY-22 03.30.46 AM
Time period ends at 17-MAY-22 03.45.57 AM

Analysis Target

Database 'OQ05EODB' with DB ID 2798060480.
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 322990 seconds.
The average number of active sessions was 354.54.

Summary of Findings

	Description	Active Sessions Percent of Activity		Recommendations
1	Top SQL Statements	233.93	65.98	7
2	Unusual "Other" Wait Event	106.15	29.94	3
3	Row Lock Waits	65.92	18.59	3
4	Shared Pool Latches	21.91	6.18	0
5	Buffer Busy - Hot Objects	20.32	5.73	5
6	Commits and Rollbacks	15.42	4.35	2
7	Buffer Busy - Hot Block	9.79	2.76	2
8	Buffer Busy - Hot Block	8.33	2.35	2
9	"Network" Wait Class	7.47	2.11	0
10	"Configuration" Wait Class	7.17	2.02	0

Findings and Recommendations

Finding 1: Top SQL Statements

Impact is 234.19 active sessions, 65.98% 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 133.57 active sessions, 37.67% 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 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 "8pvr9fks6m1r9" was executed 10127339 times and had an average elapsed time of 0.011 seconds.

Rationale

Waiting for event "latch: ges resource hash list" in wait class "Other" accounted for 80% 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 15% of the database time spent in processing the SQL statement with SQL_ID "8pvr9fks6m1r9".

Recommendation 2: SQL Tuning

Estimated benefit is 26.65 active sessions, 7.52% 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 540963 times and had an average elapsed time of 0.041 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 21.19 active sessions, 5.98% of total activity.

Action

Investigate the PL/SQL statement with SQL_ID "3p2pvz386k2gp" 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 3p2pvz386k2gp.
begin ctxsys.drvmxmd.AllocateDocids(:1, :2, :3, :4); end;
```

Rationale

The SQL Tuning Advisor cannot operate on PL/SQL statements.

Rationale

Database time for this SQL was divided as follows: 99% for SQL execution, 0% for parsing, 1% for PL/SQL execution and 0% for Java execution.

Rationale

SQL statement with SQL_ID "3p2pvz386k2gp" was executed 264127 times and had an average elapsed time of 0.076 seconds.

Rationale

Waiting for event "enq: TX - row lock contention" in wait class "Application" accounted for 67% of the database time spent in processing the SQL statement with SQL_ID "3p2pvz386k2gp".

Recommendation 4: SQL Tuning

Estimated benefit is 17.86 active sessions, 5.04% of total activity.

Action

Investigate the PL/SQL statement with SQL_ID "9cgyp6cvk2bt8" 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 9cgyp6cvk2bt8.
begin ctxsys.drvdml.lock_opt_rebuild(:idxid, :idxpid,
ctxsys.drvdml.s_mode, null); end;
```

Rationale

The SQL Tuning Advisor cannot operate on PL/SQL statements.

Rationale

Database time for this SQL was divided as follows: 97% for SQL execution, 0% for parsing, 3% for PL/SQL execution and 0% for Java execution.

Rationale

SQL statement with SQL_ID "9cgyp6cvk2bt8" was executed 264111 times and had an average elapsed time of 0.053 seconds.

Rationale

Waiting for event "enq: TX - row lock contention" in wait class "Application" accounted for 67% of the database time spent in processing the SQL statement with SQL_ID "9cgyp6cvk2bt8".

Recommendation 5: SQL Tuning

Estimated benefit is 17.06 active sessions, 4.81% of total activity.

Action

Investigate the PL/SQL statement with SQL_ID "0w4vhuy4s379a" 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 0w4vhuy4s379a.

```
begin :1 := ctxsys.drxdml.lock_opt_aggmerge(:2,:3,:4,:5);end;
```

Rationale

The SQL Tuning Advisor cannot operate on PL/SQL statements.

Rationale

Database time for this SQL was divided as follows: 97% for SQL execution, 0% for parsing, 3% for PL/SQL execution and 0% for Java execution.

Rationale

SQL statement with SQL_ID "0w4vhuy4s379a" was executed 264112 times and had an average elapsed time of 0.058 seconds.

Rationale

Waiting for event "enq: TX - row lock contention" in wait class "Application" accounted for 62% of the database time spent in processing the SQL statement with SQL_ID "0w4vhuy4s379a".

Recommendation 6: SQL Tuning

Estimated benefit is 10.39 active sessions, 2.93% of total activity.

Action

Investigate the PL/SQL statement with SQL_ID "2j8z6b2z0j7kn" 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 2j8z6b2z0j7kn.

```
begin ctxsys.drxdml.IncrementDocCnt(:1,:2,:3);end;
```

Rationale

The SQL Tuning Advisor cannot operate on PL/SQL statements.

Rationale

Database time for this SQL was divided as follows: 96% for SQL execution, 0% for parsing, 4% for PL/SQL execution and 0% for Java execution.

Rationale

SQL statement with SQL_ID "2j8z6b2z0j7kn" was executed 264134 times and had an average elapsed time of 0.036 seconds.

Recommendation 7: SQL Tuning

Estimated benefit is 6.61 active sessions, 1.86% of total activity.

Action

Run SQL Tuning Advisor on the SELECT statement with SQL_ID "dqy511zwmq69".

Related Object

SQL statement with SQL_ID dqy511zwmq69.

```
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
```

Rationale

The SQL spent 91% of its database time on CPU, I/O and Cluster waits. This part of database time may be improved by the SQL Tuning Advisor.

Rationale

Database time for this SQL was divided as follows: 99% for SQL execution, 1% for parsing, 0% for PL/SQL execution and 0% for Java execution.

Rationale

SQL statement with SQL_ID "dqy511zwmqc69" was executed 6234759 times and had an average elapsed time of 0.00037 seconds.

Finding 2: Unusual "Other" Wait Event

Impact is 106.27 active sessions, 29.94% 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 106.15 active sessions, 29.94% 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 106.04 active sessions, 29.91% 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 92.57 active sessions, 26.11% of total activity.

Action

Investigate the cause for high "latch: ges resource hash list" waits with P1,P2,P3 ("address, number, why") values "108705204640", "205" and "0" respectively.

Symptoms That Led to the Finding:

Wait class "Other" was consuming significant database time. Impact is 116.01 active sessions, 32.72% of total activity.

Finding 3: Row Lock Waits

Impact is 65.99 active sessions, 18.59% of total activity.

SQL statements were found waiting for row lock waits.

Recommendation 1: Application Analysis

Estimated benefit is 24.27 active sessions, 6.85% 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 "ccfrfn4vuht0" was blocked on row locks.

Related Object

SQL statement with SQL_ID ccfrfn4vuht0.

```
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 21.36 active sessions, 6.03% of total activity.

Action

Significant row contention was detected in the TABLE "SYS.DBMS_LOCK_ALLOCATED" with object ID 11607. Trace the cause of row contention in the application logic using the given blocked SQL.

Related Object

Database object with ID 11607.

Rationale

The SQL statement with SQL_ID "9cgyp6cvk2bt8" was blocked on row locks.

Related Object

SQL statement with SQL_ID 9cgyp6cvk2bt8.
 begin ctxsys.drvdml.lock_opt_rebuild(:idxid, :idxpids,
 ctxsys.drvdml.s_mode, null); end;

Rationale

The SQL statement with SQL_ID "0w4vhuy4s379a" was blocked on row locks.

Related Object

SQL statement with SQL_ID 0w4vhuy4s379a.
 begin :1 := ctxsys.drvdml.lock_opt_aggmerge(:2,:3,:4,:5);end;

Recommendation 3: Application Analysis

Estimated benefit is 20.22 active sessions, 5.7% of total activity.

Action

Significant row contention was detected in the TABLE "CTXSYS.DR\$INDEX" with object ID 915236. Trace the cause of row contention in the application logic using the given blocked SQL.

Related Object

Database object with ID 915236.

Rationale

The SQL statement with SQL_ID "3p2pvz386k2gp" was blocked on row locks.

Related Object

SQL statement with SQL_ID 3p2pvz386k2gp.
 begin ctxsys.drvmmd.AllocateDocids(:1, :2, :3, :4); end;

Rationale

The SQL statement with SQL_ID "2j8z6b2z0j7kn" was blocked on row locks.

Related Object

SQL statement with SQL_ID 2j8z6b2z0j7kn.
 begin ctxsys.drvmmd.IncrementDocCnt(:1,:2,:3);end;

Symptoms That Led to the Finding:

Wait class "Application" was consuming significant database time.
 Impact is 65.92 active sessions, 18.59% of total activity.

Finding 4: Shared Pool Latches

Impact is 21.93 active sessions, 6.18% of total activity.

Contention for latches related to the shared pool was consuming significant database time.

Waits for "library cache: mutex X" amounted to 6% of database time.

No recommendations are available.

Symptoms That Led to the Finding:

Wait class "Concurrency" was consuming significant database time.
 Impact is 46.13 active sessions, 13.01% of total activity.

Finding 5: Buffer Busy - Hot Objects

Impact is 20.34 active sessions, 5.73% of total activity.

Read and write contention on database blocks was consuming significant database time.

Recommendation 1: Application Analysis

Estimated benefit is 9.79 active sessions, 2.76% of total activity.

Action

Trace the cause of contention on TABLE "SYS.DBMS_LOCK_ALLOCATED" with object ID 11607 in the application.

Related Object

Database object with ID 11607.

Recommendation 2: Application Analysis

Estimated benefit is 8.33 active sessions, 2.35% of total activity.

Action

Trace the cause of contention on TABLE "CTXSYS.DR\$INDEX" with object ID 915236 in the application.

Related Object

Database object with ID 915236.

Recommendation 3: Schema Changes

Estimated benefit is .64 active sessions, .18% of total activity.

Action

Consider partitioning the INDEX PARTITION "YANTRA.BBY_STATISTICS_DETAIL_I1.PMAXVALUE" with object ID 1016524 in a manner that will evenly distribute concurrent DML across multiple partitions.

Related Object

Database object with ID 1016524.

Recommendation 4: Schema Changes

Estimated benefit is .21 active sessions, .06% of total activity.

Action

Consider partitioning the INDEX "YANTRA.EOMS_ORD_LN_OD_I10" with object ID 298509 in a manner that will evenly distribute concurrent DML across multiple partitions.

Related Object

Database object with ID 298509.

Recommendation 5: Schema Changes

Estimated benefit is .18 active sessions, .05% of total activity.

Action

Consider partitioning the INDEX "YANTRA.YFS_ORDER_HOLD_TYPE_LOG_PK" with object ID 31685 in a manner that will evenly distribute concurrent DML across multiple partitions.

Related Object

Database object with ID 31685.

Symptoms That Led to the Finding:

Read and write contention on database blocks was consuming significant database time.

Impact is 20.32 active sessions, 5.73% of total activity.

Wait class "Concurrency" was consuming significant database time.

Impact is 46.13 active sessions, 13.01% of total activity.

Finding 6: Commits and Rollbacks

Impact is 15.44 active sessions, 4.35% 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 15.42 active sessions, 4.35% 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 476338 transactions per minute with an average redo size of 6161 bytes per transaction.

Recommendation 2: Host Configuration

Estimated benefit is 15.42 active sessions, 4.35% 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 41 K and the average time per write was 1 milliseconds.

Rationale

The total I/O throughput on redo log files was 48 M per second for reads and 97 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 15.42 active sessions, 4.35% of total activity.

Finding 7: Buffer Busy - Hot Block
Impact is 9.8 active sessions, 2.76% of total activity.

A hot data block with concurrent read and write activity was found. The block belongs to segment "SYS.DBMS_LOCK_ALLOCATED" and is block 12029 in file 1.

Recommendation 1: Application Analysis
Estimated benefit is 9.79 active sessions, 2.76% of total activity.

Action

Investigate application logic to find the cause of high concurrent read and write activity to the data present in this block.

Related Object

Database block with object number 11607, file number 1 and block number 12029.

Rationale

The SQL statement with SQL_ID "0w4vhuy4s379a" spent significant time on "buffer busy" waits for the hot block.

Related Object

SQL statement with SQL_ID 0w4vhuy4s379a.
begin :1 := ctxsys.drvdml.lock_opt_aggmerge(:2,:3,:4,:5);end;

Rationale

The SQL statement with SQL_ID "9cgyp6cvk2bt8" spent significant time on "buffer busy" waits for the hot block.

Related Object

SQL statement with SQL_ID 9cgyp6cvk2bt8.
begin ctxsys.drvdml.lock_opt_rebuild(:idxid, :idxpid,
ctxsys.drvdml.s_mode, null); end;

Recommendation 2: Schema Changes
Estimated benefit is 9.79 active sessions, 2.76% of total activity.

Action

Consider rebuilding the TABLE "SYS.DBMS_LOCK_ALLOCATED" with object ID 11607 using a higher value for PCTFREE.

Related Object

Database object with ID 11607.

Symptoms That Led to the Finding:

Read and write contention on database blocks was consuming significant database time.

Impact is 20.32 active sessions, 5.73% of total activity.

Wait class "Concurrency" was consuming significant database time.

Impact is 46.13 active sessions, 13.01% of total activity.

Finding 8: Buffer Busy - Hot Block
Impact is 8.34 active sessions, 2.35% of total activity.

A hot data block with concurrent read and write activity was found. The block belongs to segment "CTXSYS.DR\$INDEX" and is block 1093511 in file 765.

Recommendation 1: Application Analysis
Estimated benefit is 8.33 active sessions, 2.35% of total activity.

Action

Investigate application logic to find the cause of high concurrent read and write activity to the data present in this block.

Related Object

Database block with object number 915236, file number 765 and block number 1093511.

Rationale

The SQL statement with SQL_ID "3p2pvz386k2gp" spent significant time on "buffer busy" waits for the hot block.

Related Object

SQL statement with SQL_ID 3p2pvz386k2gp.
begin ctxsys.drvxmd.AllocateDocids(:1, :2, :3, :4); end;

Recommendation 2: Schema Changes
Estimated benefit is 8.33 active sessions, 2.35% of total activity.

Action

Consider rebuilding the TABLE "CTXSYS.DR\$INDEX" with object ID 915236 using a higher value for PCTFREE.
Related Object
Database object with ID 915236.

Symptoms That Led to the Finding:

Read and write contention on database blocks was consuming significant database time.
Impact is 20.32 active sessions, 5.73% of total activity.
Wait class "Concurrency" was consuming significant database time.
Impact is 46.13 active sessions, 13.01% of total activity.

Finding 9: "Network" Wait Class
Impact is 7.48 active sessions, 2.11% of total activity.

Wait class "Network" was consuming significant database time.

No recommendations are available.

Finding 10: "Configuration" Wait Class
Impact is 7.18 active sessions, 2.02% of total activity.

Wait class "Configuration" was consuming significant database time.
Waits for free buffers were not consuming significant database time.
Waits for archiver processes were not consuming significant database time.
Log file switch operations were not consuming significant database time while waiting for checkpoint completion.
Log buffer space waits were not consuming significant database time.
High watermark (HW) enqueue waits were not consuming significant database time.
Space Transaction (ST) enqueue waits were not consuming significant database time.
ITL enqueue waits were not consuming significant database time.

No recommendations are available.

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Additional Information

Miscellaneous Information

Wait class "Cluster" was not consuming significant database time.
CPU was not a bottleneck for the instance.
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.

The database's maintenance windows were active during 100% of the analysis period.

[Back to Top](#)

RAC Statistics

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

Global Cache Load Profile

	Per Second	Per Transaction
Global Cache blocks received:	10.35	0.00
Global Cache blocks served:	27.75	0.00
GCS/GES messages received:	992.57	0.12
GCS/GES messages sent:	1,813.64	0.22
DBWR Fusion writes:	0.13	0.00
Estd Interconnect traffic (KB)	1,157.62	

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

Buffer access - local cache %:	99.98
Buffer access - remote cache %:	0.00
Buffer access - disk %:	0.02
Global Cache Locality %:	83.60

Global Cache and Enqueue Services - Workload Characteristics

Avg global cache cr block receive time (us):	1,314.9
Avg global cache current block receive time (us):	1,456.0
Avg LMS process busy %:	0.7
Avg global cache cr block build time (us):	76.1
Global cache log flushes for cr blocks served %:	2.7
Avg global cache cr block flush time (us):	7,916.8
Avg global cache current block pin time (us):	
Global cache log flushes for current blocks served %:	0.5
Avg global cache current block flush time (us):	7,058.8
Avg global enqueue get time (us):	0.0

Global Cache and Enqueue Services - Messaging Statistics

Avg message sent queue time (us):	5,334.7
Avg message sent queue time on ksxp (us):	2,122.3
Avg message received kernel queue time (us):	11.7
Avg message received queue time (us):	345.4
Avg GCS message process time (us):	29.3
Avg GES message process time (us):	498.0
% of direct sent messages:	23.36
% of indirect sent messages:	76.50
% of flow controlled messages:	0.14

Cluster Interconnect

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

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

RAC Statistics

- [RAC Report Summary](#)
- [Global Messaging Statistics](#)
- [Global CR Server Statistics](#)
- [Global Current Server Statistics](#)
- [Global Cache Transfer Statistics](#)
- [Interconnect Statistics](#)
- [Dynamic Remastering Statistics](#)

[Back to Top](#)

[Back to Top](#)

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-optm Broadcasts sent	2,300	0.64	0.00
Global Enqueue S-optm S-lock gets	209,037,284	58,350.53	7.17
Global Enqueue S-optm anti-locks crea	25,272	7.05	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)	469	0.13	0.00
acks for commit broadcast(logical)	718	0.20	0.00
broadcast msgs on commit(actual)	988,842	276.02	0.03
broadcast msgs on commit(logical)	1,372,935	383.24	0.05
broadcast msgs on commit(wasted)	293,441	81.91	0.01
dynamically allocated gcs resources	0	0.00	0.00
dynamically allocated gcs shadows	0	0.00	0.00
flow control messages received	60	0.02	0.00
flow control messages sent	160	0.04	0.00
gcs assume cvt	0	0.00	0.00
gcs assume no cvt	2,000	0.56	0.00
gcs ast to fg	3,062	0.85	0.00
gcs ast xid	0	0.00	0.00
gcs bidless ast to lms	417	0.12	0.00
gcs blocked converts	492,102	137.37	0.02
gcs blocked cr converts	87,471	24.42	0.00
gcs compatible bast	233	0.07	0.00
gcs compatible cr bast (global)	1,316	0.37	0.00
gcs compatible cr bast (local)	2,719	0.76	0.00
gcs cr bast to Pls	0	0.00	0.00
gcs cr requests to slave	31	0.01	0.00
gcs cr serve without current lock	0	0.00	0.00
gcs dbwr flush pi msgs	2,126,608	593.62	0.07
gcs dbwr write request msgs	464	0.13	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	5	0.00	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	10,182	2.84	0.00
gcs grant request in partial open	0	0.00	0.00
gcs immediate (compatible) converts	38,007	10.61	0.00
gcs immediate (null) converts	332,154	92.72	0.01
gcs immediate cr (compatible) converts	5,078	1.42	0.00
gcs immediate cr (null) converts	5,472	1.53	0.00
gcs lms flush pi msgs	0	0.00	0.00
gcs lms write request msgs	1,300	0.36	0.00
gcs msgs process time(ms)	78,599	21.94	0.00
gcs msgs received	2,686,459	749.90	0.09
gcs new served by master	100,248	27.98	0.00
gcs out-of-order msgs	14	0.00	0.00
gcs pings refused	982	0.27	0.00
gcs pkey conflicts retry	0	0.00	0.00
gcs queued converts	1	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	4,264	1.19	0.00
gcs recovery claim msgs	0	0.00	0.00
gcs refuse xid	1	0.00	0.00
gcs refuse xid to fg	1	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	196	0.05	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	173,503	48.43	0.01

gcs side channel msgs logical	632,968	176.69	0.02
gcs stale cr	0	0.00	0.00
gcs undo cr	9,950	2.78	0.00
gcs write notification msgs	1	0.00	0.00
gcs writes refused	7	0.00	0.00
ges msgs process time(ms)	136,000	37.96	0.00
ges msgs received	273,074	76.23	0.01
ges remote lock allocation	39	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	7,662	2.14	0.00
implicit batch messages sent	838,098	233.95	0.03
lmd msg send time(ms)	0	0.00	0.00
lms(s) msg send time(ms)	0	0.00	0.00
messages flow controlled	9,240	2.58	0.00
messages queue sent actual	2,817,110	786.37	0.10
messages queue sent logical	2,966,932	828.19	0.10
messages received actual	2,553,059	712.66	0.09
messages received logical	2,959,533	826.12	0.10
messages sent directly	1,491,554	416.35	0.05
messages sent indirectly	4,884,647	1,363.50	0.17
messages sent not implicit batched	239,338	66.81	0.01
messages sent pbatched	1,521,313	424.66	0.05
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)	34,713,050,116	9,689,778.51	1,189.83
msgs received queue time (ms)	1,022,178	285.33	0.04
msgs received queued	2,959,533	826.12	0.10
msgs sent queue time (ms)	24,540,072	6,850.10	0.84
msgs sent queue time on ksxp (ms)	9,218,256	2,573.18	0.32
msgs sent queued	4,600,065	1,284.06	0.16
msgs sent queued on ksxp	4,343,522	1,212.45	0.15
number of broadcasted resources	0	0.00	0.00
number of directly freed master res	121,389	33.88	0.00
number of ges deadlock detected	28	0.01	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	1,275,099	355.93	0.04
process batch messages sent	1,154,367	322.23	0.04
receiver cycle time	1,738,158	485.19	0.06
receiver loop count	11,643,280	3,250.10	0.40

[Back to Top](#)

Global CR Server Statistics

Statistic	Total
CR Block Requests	2,625
CURRENT Block Requests	93,289
Data Block Requests	2,625
Undo Block Requests	1
TX Block Requests	93,221
Current Results	95,842
Private results	42
Zero Results	1
Disk Read Results	0
Fail Results	1
Fairness Down Converts	2,047
Light Works	5
Flushes	2,621
Builds	2,629
Errors	0

[Back to Top](#)

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	0						
Flushes	17		5.88	70.59	23.53		

[Back to Top](#)

Global Cache Transfer Statistics

- [Global Cache Transfer Statistics](#)
- [Global Cache Transfer Times \(us\)](#)
- [Global Cache Transfer \(Immediate\)](#)
- [Global Cache Times \(Immediate\)](#)

[Back to Top](#)

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	6,770	99.50	0.49	0.01	28,139	17.78	82.22	0.00
2	Others	43	100.00	0.00	0.00	851	60.63	39.37	0.00
2	undo header	101	96.04	3.96	0.00	45	37.78	62.22	0.00
2	undo block	2	100.00	0.00	0.00				

[Back to Global Cache Transfer Statistics](#)

[Back to Top](#)

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	1391	1368	5088	30431	1655	1264	1739	
2	others	1199	1199			1440	1702	1036	
2	undo header	801	781	1296		1014	1409	774	
2	undo block	158	158						

[Back to Global Cache Transfer Statistics](#)

[Back to Top](#)

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		6,736	100.00	0.00	5,002	100.00	0.00	
2	others		43	100.00	0.00	516	100.00	0.00	
2	undo header		97	100.00	0.00	17	100.00	0.00	
2	undo block		2	100.00	0.00				

[Back to Global Cache Transfer Statistics](#)
[Back to Top](#)

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		1368	1368		1264	1264	
	2 others		1199	1199		1702	1702	
	2 undo header		781	781		1409	1409	
	2 undo block		158	158				

[Back to Global Cache Transfer Statistics](#)
[Back to Top](#)

Interconnect Statistics

- [Interconnect Latency Stats](#)
- [Interconnect Throughput by Client](#)
- [Interconnect Device Stats](#)

[Back to Top](#)

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	328	425	0.12	358	397	0.12
2	328	743	1.43	358	722	1.43

[Back to Interconnect Statistics](#)
[Back to Top](#)

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	0.13	0.15
Parallel Query	0.01	0.00
DB Locks	0.37	0.15
DB Streams		
Other	0.05	0.04

[Back to Interconnect Statistics](#)
[Back to Top](#)

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

[Back to Interconnect Statistics](#)
[Back to Top](#)

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
remaster ops	6	1.00		
remastered objects	31	5.17		
replayed locks received	319,077	53,179.50		
replayed locks sent	134,861	22,476.83		
resources cleaned	0	0.00		
remaster time (s)	123.8	20.63		
freeze time (s)	14.9	2.48		
cleanup time (s)	36.2	6.03		
replay time (s)	23.8	3.96		
fixwrite time (s)	47.5	7.92		
sync time (s)	1.0	0.16		
affinity objects			404	415
read-mostly objects			511	511
affinity objects (other inst)			5	5
read-mostly objects (persistent)			485	485

[Back to Top](#)

End of Report