WORKLOAD REPOSITORY report for

DB Name	DB Id	Instance	Inst num	Startup Time	Release	RAC
PRIMA	2003897072	prima	1	16-Apr-13 08:04	11.2.0.3.0	NO

Host Name	Platform	CPUs	Cores	Sockets	Memory (GB)
uhesse1	Linux x86 64-bit	1	1	1	2.12

	Snap Id	Snap Time	Sessions	Cursors/Session
Begin Snap:	51	16-Apr-13 09:00:17	46	4.2
End Snap:	52	16-Apr-13 09:10:17	43	4.5
Elapsed:		10.01 (mins)		
DB Time:		0.19 (mins)		

Report Summary

Cache Sizes

	Begin	End		
Buffer Cache:	16M	16M	Std Block Size:	8K
Shared Pool Size:	144M	144M	Log Buffer:	4,636K

Load Profile

	Per Second	Per Transaction	Per Exec	Per Call
DB Time(s):	0.0	0.1	0.00	0.00
DB CPU(s):	0.0	0.1	0.00	0.00
Redo size:	6,990.2	21,973.9		
Logical reads:	658.9	2,071.4		
Block changes:	34.6	108.6		
Physical reads:	4.8	15.2		
Physical writes:	1.6	5.1		
User calls:	4.0	12.7		
Parses:	4.3	13.5		
Hard parses:	1.2	3.7		
W/A MB processed:	0.1	0.3		
Logons:	0.1	0.2		
Executes:	195.3	613.9		
Rollbacks:	0.0	0.0		
Transactions:	0.3			

Instance Efficiency Percentages (Target 100%)

Buffer Nowait %:	100.00	Redo NoWait %:	100.00
Buffer Hit %:	99.29	In-memory Sort %:	100.00
Library Hit %:	96.95	Soft Parse %:	72.76
Execute to Parse %:	97.80	Latch Hit %:	100.00
Parse CPU to Parse Elapsd %:	84.23	% Non-Parse CPU:	80.85

Shared Pool Statistics

	Begin	End
Memory Usage %:	74.77	77.89
% SQL with executions>1:	75.48	90.33
% Memory for SQL w/exec>1:	76.64	85.80

Top 5 Timed Foreground Events

Event	Waits	Time(s)	Avg wait (ms)	% DB time	Wait Class
DB CPU		10		87.72	
log file sync	41	1	13	4.63	Commit
db file sequential read	1,460	0	0	1.44	User I/O
SQL*Net message to client	1,892	0	0	0.10	Network
SQL*Net break/reset to client	40	0	0	0.05	Application

Host CPU (CPUs: 1 Cores: 1 Sockets: 1)

Load Average Begin	Load Average End	%User	%System	%WIO	%Idle
0.00	0.04	4.5	2.1	0.2	93.4

Instance CPU

%Total CPU	%Busy CPU	%DB time waiting for CPU (Resource Manager)
2.2	32.7	0.0

Memory Statistics

	Begin	End
Host Mem (MB):	2,172.8	2,172.8
SGA use (MB):	180.0	180.0
PGA use (MB):	203.3	195.0
% Host Mem used for SGA+PGA:	17.64	17.26

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Time Model Statistics

- **Total time in database user-calls (DB Time): 11.1s**
- **Statistics including the word "background" measure background process time, and so do not contribute to the DB time statistic**
- **Ordered by % or DB time desc, Statistic name**

Statistic Name	Time (s)	% of DB Time
DB CPU	9.76	87.72
sql execute elapsed time	8.89	79.91
parse time elapsed	3.14	28.18
hard parse elapsed time	2.99	26.82
hard parse (sharing criteria) elapsed time	0.92	8.30
hard parse (bind mismatch) elapsed time	0.91	8.19
PL/SQL execution elapsed time	0.87	7.84
PL/SQL compilation elapsed time	0.12	1.05
connection management call elapsed time	0.03	0.29
repeated bind elapsed time	0.01	0.08
sequence load elapsed time	0.00	0.01
DB time	11.13	
background elapsed time	8.71	
background cpu time	3.09	

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Operating System Statistics

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

Statistic	Value	End Value
BUSY_TIME	3,933	
IDLE_TIME	55,375	
IOWAIT_TIME	132	
NICE_TIME	0	
SYS_TIME	1,230	
USER_TIME	2,654	
LOAD	0	0
PHYSICAL_MEMORY_BYTES	2,278,342,656	
NUM_CPUS	1	
NUM_CPU_CORES	1	
NUM_CPU_SOCKETS	1	
GLOBAL_RECEIVE_SIZE_MAX	4,194,304	
GLOBAL_SEND_SIZE_MAX	1,048,576	
TCP_RECEIVE_SIZE_DEFAULT	87,380	
TCP_RECEIVE_SIZE_MAX	4,194,304	
TCP_RECEIVE_SIZE_MIN	4,096	
TCP_SEND_SIZE_DEFAULT	16,384	
TCP_SEND_SIZE_MAX	4,194,304	
TCP_SEND_SIZE_MIN	4,096	

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Operating System Statistics - Detail

Snap Time	Load	%busy	%user	%sys	%idle	%iowait
16-Apr 09:00:17	0.00					
16-Apr 09:10:17	0.04	6.63	4.47	2.07	93.37	0.22

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Foreground Wait Class

- **s - second, ms - millisecond - 1000th of a second**
- **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 94.0% of Total DB time 11.13 (s)**
- **Total FG Wait Time: .70 (s) DB CPU time: 9.76 (s)**

Wait Class	Waits	%Time -outs	Total Wait Time (s)	Avg wait (ms)	%DB time
DB CPU			10		87.72

Commit	41	0	1	13	4.63
User I/O	1,499	0	0	0	1.45
Network	1,910	0	0	0	0.10
Application	41	0	0	0	0.05
Concurrency	4	0	0	1	0.02
Other	22	55	0	0	0.02
System I/O	89	0	0	0	0.01

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Foreground Wait Events

- **s - second, ms - millisecond - 1000th of a second**
- **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 (ms)	Waits /txn	% DB time
log file sync	41	0	1	13	0.21	4.63
db file sequential read	1,460	0	0	0	7.64	1.44
SQL*Net message to client	1,892	0	0	0	9.91	0.10
SQL*Net break/reset to client	40	0	0	0	0.21	0.05
ADR block file read	10	0	0	0	0.05	0.02
buffer busy waits	3	0	0	1	0.02	0.01
latch: shared pool	1	0	0	1	0.01	0.01
SQL*Net message from client	1,893	0	7,359	3888	9.91	
jobq slave wait	1,200	100	601	501	6.28	
Streams AQ: waiting for messages in the queue	120	100	600	5001	0.63	
wait for unread message on broadcast channel	609	98	600	985	3.19	

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Background Wait Events

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

Event	Waits	%Time -outs	Total Wait Time (s)	Avg wait (ms)	Waits /txn	% bg time
log file parallel write	681	0	1	2	3.57	12.32
os thread startup	24	0	1	29	0.13	8.07
db file async I/O submit	111	0	0	4	0.58	5.17
db file sequential read	1,224	0	0	0	6.41	3.07
control file parallel write	200	0	0	1	1.05	1.55

control file sequential read	640	0	0	0	3.35	0.09
latch: shared pool	2	0	0	1	0.01	0.03
SQL*Net message to client	25	0	0	0	0.13	0.01
Disk file operations I/O	14	0	0	0	0.07	0.01
rdbms ipc message	3,612	81	8,996	2491	18.91	
Space Manager: slave idle wait	507	93	2,420	4774	2.65	
DIAG idle wait	1,199	100	1,200	1001	6.28	
Streams AQ: qmn slave idle wait	22	0	616	28009	0.12	
Streams AQ: qmn coordinator idle wait	44	50	616	14004	0.23	
pmon timer	200	100	600	3001	1.05	
smon timer	5	20	600	119936	0.03	
SQL*Net message from client	33	0	0	1	0.17	

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Wait Event Histogram

- **Units for Total Waits column: K is 1000, M is 1000000, G is 1000000000**
- **% of Waits: value of .0 indicates value was <.05%; value of null is truly 0**
- **% of Waits: column heading of <=1s is truly <1024ms, >1s is truly >=1024ms**
- **Ordered by Event (idle events last)**

		% of Waits							
Event	Total Waits	<1ms	<2ms	<4ms	<8ms	<16ms	<32ms	<=1s	>1s
ADR block file read	10	100.0							
Disk file operations I/O	27	100.0							
LGWR wait for redo copy	4	100.0							
SQL*Net break/reset to client	40	100.0							
SQL*Net message to client	1916	99.9	.1						
SQL*Net more data from client	18	100.0							
asynch descriptor resize	50	100.0							
buffer busy waits	4	100.0							
control file parallel write	200	92.5	7.0	.5					
control file sequential read	729	100.0							
db file async I/O submit	111	82.9	2.7	3.6	1.8	1.8	3.6	3.6	
db file parallel read	4	100.0							
db file scattered read	19	100.0							
db file sequential read	2693	98.8	.1		.5	.3	.2	.1	
direct path read	11	100.0							
enq: TX - row lock contention	1	100.0							
latch: shared pool	3		100.0						
log file parallel write	681	82.4	12.0	1.3	.3	.6	2.6	.7	
log file sync	41	29.3	22.0			12.2	29.3	7.3	
os thread startup	24					8.3	66.7	25.0	
DIAG idle wait	1199							100.0	
SQL*Net message from client	1925	75.1	5.2	2.2	.4	.1	.1	2.9	14.1

Space Manager: slave idle wait	505	.8						2.6	96.6
Streams AQ: qmn coordinator idle wait	44	50.0							50.0
Streams AQ: qmn slave idle wait	22								100.0
Streams AQ: waiting for messages in the queue	120								100.0
class slave wait	4	100.0							
jobq slave wait	1200							100.0	
pmon timer	200								100.0
rdbms ipc message	3613	13.6	.5	.7	.7	.3	.7	35.2	48.3
smon timer	5							40.0	60.0
wait for unread message on broadcast channel	609					.8	.5	98.7	

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Wait Event Histogram Detail (64 msec to 2 sec)

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

		% of Total Waits							
Event	Waits 64ms to 2s	<32ms	<64ms	<1/8s	<1/4s	<1/2s	<1s	<2s	>=2s
db file async I/O submit	4	96.4	1.8	1.8					
db file sequential read	3	99.9	.1						
log file parallel write	5	99.3	.7						
log file sync	3	92.7	7.3						
os thread startup	6	75.0	25.0						

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Wait Event Histogram Detail (4 sec to 2 min)

No data exists for this section of the report.

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Wait Event Histogram Detail (4 min to 1 hr)

No data exists for this section of the report.

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Service Statistics

- **ordered by DB Time**

Service Name	DB Time (s)	DB CPU (s)	Physical Reads (K)	Logical Reads (K)
SYS$USERS	8	8	1	341
prima	3	2	1	19
SYS$BACKGROUND	0	0	1	36

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Service Wait Class Stats

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

Service Name	User I/O Total Wts	User I/O Wt Time	Concurcy Total Wts	Concurcy Wt Time	Admin Total Wts	Admin Wt Time	Network Total Wts	Network Wt Time
SYS$USERS	993	0	0	0	0	0	810	0
prima	506	0	4	0	0	0	1100	0
SYS$BACKGROUND	1250	0	26	1	0	0	0	0

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SQL Statistics

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SQL ordered by Elapsed Time

- **Resources reported for PL/SQL code includes the resources used by all SQL statements called by the code.**
- **% Total DB Time is the Elapsed Time of the SQL statement divided into the Total Database Time multiplied by 100**
- **%Total - Elapsed Time as a percentage of Total DB time**
- **%CPU - CPU Time as a percentage of Elapsed Time**
- **%IO - User I/O Time as a percentage of Elapsed Time**
- **Captured SQL account for 59.5% of Total DB Time (s): 11**

- **Captured PL/SQL account for 57.0% of Total DB Time (s): 11**

Elapsed Time (s)	Executions	Elapsed Time per Exec (s)	%Total	%CPU	%IO	SQL Id	SQL Module	SQL Text
3.37	1	3.37	30.29	93.63	0.01	crpbwajvn27ba	SQL*Plus	begin for i in 1..100000 loop ...
1.74	100,000	0.00	15.66	100.95	0.01	157t5gpvwmud7	SQL*Plus	DELETE FROM T WHERE DUMMY=TO_C...
1.44	80	0.02	12.93	88.34	0.01	d5xxfguffwpxh	Realtime Connection	select end_time, wait_class#, ...
0.94	10	0.09	8.46	70.43	13.33	6gvch1xu9ca3g		DECLARE job BINARY_INTEGER := ...
0.87	2	0.44	7.82	92.33	0.08	7jpc15g8hms4w	OEM.SystemPool	BEGIN EMD_LOADER.GET_TABLE_OBJ...
0.84	2	0.42	7.50	92.30	0.07	5r2nw00888cpc	OEM.SystemPool	SELECT UTC.COLUMN_NAME, UTC.DA...
0.37	1	0.37	3.28	90.51	1.28	6ajkhukk78nsr		begin prvt_hdm.auto_execute(:...
0.26	240	0.00	2.32	62.24	0.19	6v7n0y2bq89n8	OEM.SystemPool	BEGIN EMDW_LOG.set_context(MGM...
0.24	2	0.12	2.16	91.21	0.03	fjvwzpxbpch0h	emagent_SQL_oracle_database	/* OracleOEM */ select capture...
0.18	2	0.09	1.65	92.65	0.26	f0jxh8d6b5af2	emagent_SQL_oracle_database	/* OracleOEM */ select a.captu...
0.17	40	0.00	1.52	81.78	0.00	87vs8t2c6ra1c	Realtime Connection	select metric_id, value from v...
0.16	20	0.01	1.47	109.79	0.10	2b064ybzkwf1y	OEM.SystemPool	BEGIN EMD_NOTIFICATION.QUEUE_R...
0.16	9	0.02	1.40	94.62	0.68	3am9cfkvx7gq1		CALL MGMT_ADMIN_DATA.EVALUATE_...
0.14	1,199	0.00	1.28	65.75	0.56	3c1kubcdjnpqg		update sys.col_usage$ set equa...
0.14	40	0.00	1.23	83.08	0.00	cakg0hdjjw2wf	Realtime Connection	select value from v$sysmetric ...
0.13	2	0.07	1.21	88.58	0.04	4j15qzcw47wuk	emagent_SQL_oracle_database	/* OracleOEM */ select r.apply...
0.13	2	0.07	1.18	92.30	0.01	9d5f4n226tduk	emagent_SQL_oracle_database	/* OracleOEM */ select r.apply...
0.12	2	0.06	1.11	90.25	0.00	8u5qujrwh4wf4	emagent_SQL_oracle_database	/* OracleOEM */ declare TYPE d...

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SQL ordered by CPU Time

- **Resources reported for PL/SQL code includes the resources used by all SQL statements called by the code.**
- **%Total - CPU Time as a percentage of Total DB CPU**

- **%CPU - CPU Time as a percentage of Elapsed Time**
- **%IO - User I/O Time as a percentage of Elapsed Time**
- **Captured SQL account for 61.8% of Total CPU Time (s): 10**
- **Captured PL/SQL account for 57.6% of Total CPU Time (s): 10**

CPU Time (s)	Executions	CPU per Exec (s)	%Total	Elapsed Time (s)	%CPU	%IO	SQL Id	SQL Module	SQL Text
3.16	1	3.16	32.33	3.37	93.63	0.01	crpbwajvn27ba	SQL*Plus	begin for i in 1..100000 loop ...
1.76	100,000	0.00	18.02	1.74	100.95	0.01	157t5gpvwmud7	SQL*Plus	DELETE FROM T WHERE DUMMY=TO_C...
1.27	80	0.02	13.02	1.44	88.34	0.01	d5xxfguffwpxh	Realtime Connection	select end_time, wait_class#, ...
0.80	2	0.40	8.23	0.87	92.33	0.08	7jpc15g8hms4w	OEM.SystemPool	BEGIN EMD_LOADER.GET_TABLE_OBJ...
0.77	2	0.39	7.89	0.84	92.30	0.07	5r2nw00888cpc	OEM.SystemPool	SELECT UTC.COLUMN_NAME, UTC.DA...
0.66	10	0.07	6.79	0.94	70.43	13.33	6qvch1xu9ca3g		DECLARE job BINARY_INTEGER := ...
0.33	1	0.33	3.39	0.37	90.51	1.28	6ajkhukk78nsr		begin prvt_hdm.auto_execute(:...
0.22	2	0.11	2.24	0.24	91.21	0.03	fjvwzpxbpch0h	emagent_SQL_oracle_database	/* OracleOEM */ select capture...
0.18	20	0.01	1.84	0.16	109.79	0.10	2b064ybzkwf1y	OEM.SystemPool	BEGIN EMD_NOTIFICATION.QUEUE_R...
0.17	2	0.08	1.74	0.18	92.65	0.26	f0jxh8d6b5af2	emagent_SQL_oracle_database	/* OracleOEM */ select a.captu...
0.16	240	0.00	1.65	0.26	62.24	0.19	6v7n0y2bq89n8	OEM.SystemPool	BEGIN EMDW_LOG.set_context(MGM...
0.15	9	0.02	1.52	0.16	94.62	0.68	3am9cfkvx7gg1		CALL MGMT_ADMIN_DATA.EVALUATE_...
0.14	40	0.00	1.41	0.17	81.78	0.00	87vs8t2c6ra1c	Realtime Connection	select metric_id, value from v...
0.12	2	0.06	1.24	0.13	92.30	0.01	9d5f4n226tduk	emagent_SQL_oracle_database	/* OracleOEM */ select r.apply...
0.12	2	0.06	1.22	0.13	88.58	0.04	4j15qzcw47wuk	emagent_SQL_oracle_database	/* OracleOEM */ select r.apply...
0.11	40	0.00	1.17	0.14	83.08	0.00	cakq0hdjjw2wf	Realtime Connection	select value from v$sysmetric ...
0.11	2	0.06	1.15	0.12	90.25	0.00	8u5qujrwh4wf4	emagent_SQL_oracle_database	/* OracleOEM */ declare TYPE d...

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SQL ordered by User I/O Wait Time

- **Resources reported for PL/SQL code includes the resources used by all SQL statements called by the code.**
- **%Total - User I/O Time as a percentage of Total User I/O Wait time**
- **%CPU - CPU Time as a percentage of Elapsed Time**
- **%IO - User I/O Time as a percentage of Elapsed Time**
- **Captured SQL account for 2.7% of Total User I/O Wait Time (s): 0**
- **Captured PL/SQL account for 32.8% of Total User I/O Wait Time (s): 0**

User I/O Time (s)	Executions	UIO per Exec (s)	%Total	Elapsed Time (s)	%CPU	%IO	SQL Id	SQL Module	SQL Text
0.13	10	0.01	30.98	0.94	70.43	13.33	6gvch1xu9ca3g		DECLARE job BINARY_INTEGER := ...
0.00	1	0.00	1.16	0.37	90.51	1.28	6ajkhukk78nsr		begin prvt_hdm.auto_execute(:...
0.00	183	0.00	0.35	0.02	98.74	8.81	db78fxqxwxt7r		select /*+ rule */ bucket, end...
0.00	2,893	0.00	0.34	0.09	76.23	1.54	96g93hntrzjtr		select /*+ rule */ bucket_cnt,...
0.00	2	0.00	0.32	0.10	92.65	1.29	9juw6s4yy5pzp	emagent_SQL_oracle_database	/* OracleOEM */ SELECT SUM(bro...
0.00	9	0.00	0.26	0.16	94.62	0.68	3am9cfkvx7gg1		CALL MGMT_ADMIN_DATA.EVALUATE_...
0.00	160	0.00	0.25	0.01	109.40	7.41	1gu8t96d0bdmu		select t.ts#, t.file#, t.block...
0.00	1,199	0.00	0.20	0.14	65.75	0.56	3c1kubcdjnpqg		update sys.col_usage$ set equa...
0.00	229	0.00	0.18	0.07	86.62	0.99	7ng34ruy5awxq		select i.obj#, i.ts#, i.file#,...
0.00	2	0.00	0.16	0.87	92.33	0.08	7jpc15g8hms4w	OEM.SystemPool	BEGIN EMD_LOADER.GET_TABLE_OBJ...

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SQL ordered by Gets

- **Resources reported for PL/SQL code includes the resources used by all SQL statements called by the code.**
- **%Total - Buffer Gets as a percentage of Total Buffer Gets**
- **%CPU - CPU Time as a percentage of Elapsed Time**
- **%IO - User I/O Time as a percentage of Elapsed Time**
- **Total Buffer Gets: 395,637**
- **Captured SQL account for 84.7% of Total**

Buffer Gets	Executions	Gets per Exec	%Total	Elapsed Time (s)	%CPU	%IO	SQL Id	SQL Module	SQL Text
300,034	1	300,034.00	75.84	3.37	93.6	0	crpbwajvn27ba	SQL*Plus	begin for i in 1..100000 loop ...
300,016	100,000	3.00	75.83	1.74	100.9	0	157t5gpvwmud7	SQL*Plus	DELETE FROM T WHERE DUMMY=TO_C...
26,205	10	2,620.50	6.62	0.94	70.4	13.3	6gvch1xu9ca		DECLARE job

							3g		BINARY_INTEGER := ...
9,053	1	9,053.00	2.29	0.37	90.5	1.3	6ajkhukk78nsr		begin prvt_hdm.auto_execute(:...
7,761	2,893	2.68	1.96	0.09	76.2	1.5	96g93hntrzjtr		select /*+ rule */ bucket_cnt,...
4,099	1,199	3.42	1.04	0.14	65.7	.6	3c1kubcdjnppg		update sys.col_usage$ set equa...
2,832	287	9.87	0.72	0.02	106.2	.1	gx4mv66pvj3xz		select con#, type#, condlength...
2,340	346	6.76	0.59	0.02	103.5	0	5n1fs4m2n2y0r		select pos#, intcol#, col#, sp...
1,867	20	93.35	0.47	0.16	109.8	.1	2b064ybzkwf1y	OEM.SystemPool	BEGIN EMD_NOTIFICATION.QUEUE_R...
1,839	9	204.33	0.46	0.16	94.6	.7	3am9cfkvx7gq1		CALL MGMT_ADMIN_DATA.EVALUATE_...

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SQL ordered by Reads

- **%Total - Physical Reads as a percentage of Total Disk Reads**
- **%CPU - CPU Time as a percentage of Elapsed Time**
- **%IO - User I/O Time as a percentage of Elapsed Time**
- **Total Disk Reads: 2,909**
- **Captured SQL account for 23.2% of Total**

Physical Reads	Executions	Reads per Exec	%Total	Elapsed Time (s)	%CPU	%IO	SQL Id	SQL Module	SQL Text
699	10	69.90	24.03	0.94	70.43	13.33	6gvch1xu9ca3g		DECLARE job BINARY_INTEGER := ...
278	1	278.00	9.56	0.37	90.51	1.28	6ajkhukk78nsr		begin prvt_hdm.auto_execute(:...
150	9	16.67	5.16	0.16	94.62	0.68	3am9cfkvx7gq1		CALL MGMT_ADMIN_DATA.EVALUATE_...
88	2,893	0.03	3.03	0.09	76.23	1.54	96g93hntrzjtr		select /*+ rule */ bucket_cnt,...
73	2	36.50	2.51	0.18	92.65	0.26	f0jxh8d6b5af2	emagent_SQL_oracle_database	/* OracleOEM */ select a.captu...
68	183	0.37	2.34	0.02	98.74	8.81	db78fxqxwxt7r		select /*+ rule */ bucket, end...
58	160	0.36	1.99	0.01	109.40	7.41	1qu8t96d0bdmu		select t.ts#, t.file#, t.block...
56	229	0.24	1.93	0.07	86.62	0.99	7ng34ruy5awxg		select i.obj#, i.ts#, i.file#,...
49	2	24.50	1.68	0.87	92.33	0.08	7jpc15g8hms4w	OEM.SystemPool	BEGIN EMD_LOADER.GET_TABLE_OBJ...
44	309	0.14	1.51	0.05	97.67	0.99	83taa7kaw59c1		select name, intcol#, segcol#,...
43	240	0.18	1.48	0.26	62.24	0.19	6v7n0y2bq8	OEM.SystemPool	BEGIN

							9n8		EMDW_LOG.set_context(MGM...
42	2	21.00	1.44	0.84	92.30	0.07	5r2nw00888cpc	OEM.SystemPool	SELECT UTC.COLUMN_NAME, UTC.DA...
33	1,199	0.03	1.13	0.14	65.75	0.56	3c1kubcdjnppq		update sys.col_usage$ set equa...
33	2	16.50	1.13	0.07	93.80	0.34	a5pyncq7v0bw3	emagent_SQL_oracle_database	/* OracleOEM */ SELECT PROPAGA...
32	2	16.00	1.10	0.10	92.65	1.29	9juw6s4yy5pzp	emagent_SQL_oracle_database	/* OracleOEM */ SELECT SUM(bro...

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SQL ordered by Physical Reads (UnOptimized)

- **UnOptimized Read Reqs = Physical Read Reqts - Optimized Read Reqs**
- **%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: 2,764**
- **Captured SQL account for 25.3% of Total**
- **Total UnOptimized Read Requests: 2,764**
- **Captured SQL account for 25.3% 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
616	616	10	61.60	0.00	22.29	6gvch1xu9ca3g		DECLARE job BINARY_INTEGER := ...
255	255	1	255.00	0.00	9.23	6ajkhukk78nsr		begin prvt_hdm.auto_execute(:...
88	88	2,893	0.03	0.00	3.18	96g93hntrzjtr		select /*+ rule */ bucket_cnt,...
73	73	9	8.11	0.00	2.64	3am9cfkvx7gq1		CALL MGMT_ADMIN_DATA.EVALUATE_...
73	73	2	36.50	0.00	2.64	f0jxh8d6b5af2	emagent_SQL_oracle_database	/* OracleOEM */ select a.captu...
68	68	183	0.37	0.00	2.46	db78fxqxwxt7r		select /*+ rule */ bucket, end...
58	58	160	0.36	0.00	2.10	1gu8t96d0bdmu		select t.ts#, t.file#, t.block...
56	56	229	0.24	0.00	2.03	7nq34ruy5awxq		select i.obj#, i.ts#, i.file#,...
49	49	2	24.50	0.00	1.77	7jpc15g8hms4w	OEM.SystemPool	BEGIN EMD_LOADER.GET_TABLE_OBJ...
46	46	2	23.00	0.00	1.66	9juw6s4yy5pzp	emagent_SQL_oracle_database	/* OracleOEM */ SELECT SUM(bro...
44	44	309	0.14	0.00	1.59	83taa7kaw59c1		select name, intcol#, segcol#,...

43	43	240	0.18	0.00	1.56	6v7n0y2bq89n8	OEM.SystemPool	BEGIN EMDW_LOG.set_context(MGM...
35	35	1	35.00	0.00	1.27	1cq3qr774cu45		insert into WRH$_IOSTAT_FILETY...
33	33	1,199	0.03	0.00	1.19	3c1kubcdjnppq		update sys.col_usage$ set equa...
33	33	2	16.50	0.00	1.19	a5pyncg7v0bw3	emagent_SQL_oracle_database	/* OracleOEM */ SELECT PROPAGA...

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SQL ordered by Executions

- **%CPU - CPU Time as a percentage of Elapsed Time**
- **%IO - User I/O Time as a percentage of Elapsed Time**
- **Total Executions: 117,263**
- **Captured SQL account for 92.9% of Total**

Executions	Rows Processed	Rows per Exec	Elapsed Time (s)	%CPU	%IO	SQL Id	SQL Module	SQL Text
100,000	0	0.00	1.74	100.9	0	157t5qpvwmud7	SQL*Plus	DELETE FROM T WHERE DUMMY=TO_C...
2,893	1,808	0.62	0.09	76.2	1.5	96g93hntrzjtr		select /*+ rule */ bucket_cnt,...
1,199	1,197	1.00	0.14	65.7	.6	3c1kubcdjnppq		update sys.col_usage$ set equa...
530	530	1.00	0.03	66.7	0	8t43xdhf4d9x2		SELECT CONTEXT_TYPE_ID, CONTEX...
397	0	0.00	0.03	40.3	.1	b2gnxm5z6r51n		lock table sys.col_usage$ in e...
346	824	2.38	0.02	103.5	0	5n1fs4m2n2y0r		select pos#, intcol#, col#, sp...
309	4,786	15.49	0.05	97.7	1	83taa7kaw59c1		select name, intcol#, segcol#,...
287	1,129	3.93	0.02	106.2	.1	qx4mv66pvj3xz		select con#, type#, condlength...
273	62	0.23	0.01	116.8	0	2q93zsrvbdw48		select grantee#, privilege#, n...
272	0	0.00	0.01	80.3	.1	6aq34nj2zb2n7		select col#, grantee#, privile...

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SQL ordered by Parse Calls

- **Total Parse Calls: 2,581**
- **Captured SQL account for 50.5% of Total**

Parse Calls	Executions	% Total Parses	SQL Id	SQL Module	SQL Text
397	397	15.38	b2gnxm5z6r51n		lock table sys.col_usage$ in e...
362	2	14.03	0v3dvmc22qnam		insert into sys.col_usage$ (ob...
125	125	4.84	350f5yrnnmshs		lock table sys.mon_mods$ in ex...
18	18	0.70	0k8522rmdzg4k		select privilege# from sysauth...
18	248	0.70	cm5vu20fhtnq1		select /*+ connect_by_filterin...
14	309	0.54	83taa7kaw59c1		select name, intcol#, segcol#,...
13	33	0.50	08bqjmf8490s2		SELECT PARAMETER_VALUE FROM MG...
13	74	0.50	0fr8zhn4ymu3v		select intcol#, type, flags, l...
13	48	0.50	18naypzfmabd6		INSERT INTO MGMT_SYSTEM_PERFOR...
13	160	0.50	1qu8t96d0bdmu		select t.ts#, t.file#, t.block...

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SQL ordered by Sharable Memory

No data exists for this section of the report.

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SQL ordered by Version Count

No data exists for this section of the report.

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Complete List of SQL Text

SQL Id	SQL Text
08bqjmf8490s2	SELECT PARAMETER_VALUE FROM MGMT_PARAMETERS WHERE PARAMETER_NAME = :B1
0fr8zhn4ymu3v	select intcol#, type, flags, lobcol, objcol, extracol, schemaoid, elemnum from opqtype$ where obj# = :1 order by intcol# asc
0k8522rmdzg4k	select privilege# from sysauth$ where (grantee#=:1 or grantee#=1) and privilege#>0
0v3dvmc22qnam	insert into sys.col_usage$ (obj#, intcol#, equality_preds, equijoin_preds, nonequijoin_preds, range_preds, like_preds, null_preds, timestamp) values (:objn, :coln, decode(bitand(:flag, 1), 0, 0, 1), decode(bitand(:flag, 2), 0, 0, 1), decode(bitand(:flag, 4), 0, 0, 1), decode(bitand(:flag, 8), 0, 0, 1), decode(bitand(:flag, 16), 0, 0, 1), decode(bitand(:flag, 32), 0, 0, 1), :time)
157t5gpvwmud7	DELETE FROM T WHERE DUMMY=TO_CHAR(:B1)
18naypzfmabd6	INSERT INTO MGMT_SYSTEM_PERFORMANCE_LOG (JOB_NAME, TIME, DURATION, MODULE, ACTION, IS_TOTAL, NAME, VALUE, CLIENT_DATA, HOST_URL) VALUES (:B9 , SYSDATE, :B8 , SUBSTR(:B7 , 1, 512), SUBSTR(:B6 , 1, 32), :B5 , SUBSTR(:B4 , 1, 128), SUBSTR(:B3 , 1, 128), SUBSTR(:B2 , 1, 128), SUBSTR(:B1 , 1, 256))
1cq3qr774cu45	insert into WRH$_IOSTAT_FILETYPE (snap_id, dbid, instance_number, filetype_id, small_read_megabytes, small_write_megabytes, large_read_megabytes, large_write_megabytes, small_read_reqs, small_write_reqs, small_sync_read_reqs, large_read_reqs, large_write_reqs, small_read_servicetime, small_write_servicetime, small_sync_read_latency, large_read_servicetime, large_write_servicetime, retries_on_error) (select :snap_id, :dbid, :instance_number, filetype_id, sum(small_read_megabytes) small_read_megabytes, sum(small_write_megabytes) small_write_megabytes, sum(large_read_megabytes) large_read_megabytes, sum(large_write_megabytes) large_write_megabytes, sum(small_read_reqs) small_read_reqs, sum(small_write_reqs) small_write_reqs, sum(small_sync_read_reqs) small_sync_read_reqs,

	sum(large_read_reqs) large_read_reqs, sum(large_write_reqs) large_write_reqs, sum(small_read_servicetime) small_read_servicetime, sum(small_write_servicetime) small_write_servicetime, sum(small_sync_read_latency) small_sync_read_latency, sum(large_read_servicetime) large_read_servicetime, sum(large_write_servicetime) large_write_servicetime, sum(retries_on_error) retries_on_error from v$iostat_file group by filetype_id)
1gu8t96d0bdmu	select t.ts#, t.file#, t.block#, nvl(t.bobj#, 0), nvl(t.tab#, 0), t.intcols, nvl(t.clucols, 0), t.audit$, t.flags, t.pctfree$, t.pctused$, t.initrans, t.maxtrans, t.rowcnt, t.blkcnt, t.empcnt, t.avgspc, t.chncnt, t.avgrln, t.analyzetime, t.samplesize, t.cols, t.property, nvl(t.degree, 1), nvl(t.instances, 1), t.avgspc_flb, t.flbcnt, t.kernelcols, nvl(t.trigflag, 0), nvl(t.spare1, 0), nvl(t.spare2, 0), t.spare4, t.spare6, ts.cachedblk, ts.cachehit, ts.logicalread from tab$ t, tab_stats$ ts where t.obj#= :1 and t.obj# = ts.obj# (+)
2b064ybzkwf1y	BEGIN EMD_NOTIFICATION.QUEUE_READY(:1, :2, :3); END;
2q93zsrvbdw48	select grantee#, privilege#, nvl(col#, 0), max(mod(nvl(option$, 0), 2))from objauth$ where obj#=:1 group by grantee#, privilege#, nvl(col#, 0) order by grantee#
350f5yrnnmshs	lock table sys.mon_mods$ in exclusive mode nowait
3am9cfkvx7gq1	CALL MGMT_ADMIN_DATA.EVALUATE_MGMT_METRICS(:target_guid, :metric_guid, :metric_values)
3c1kubcdjnppq	update sys.col_usage$ set equality_preds = equality_preds + decode(bitand(:flag, 1), 0, 0, 1), equijoin_preds = equijoin_preds + decode(bitand(:flag, 2), 0, 0, 1), nonequijoin_preds = nonequijoin_preds + decode(bitand(:flag, 4), 0, 0, 1), range_preds = range_preds + decode(bitand(:flag, 8), 0, 0, 1), like_preds = like_preds + decode(bitand(:flag, 16), 0, 0, 1), null_preds = null_preds + decode(bitand(:flag, 32), 0, 0, 1), timestamp = :time where obj# = :objn and intcol# = :coln
4j15qzcw47wuk	/* OracleOEM */ select r.apply_name apply_name, total_messages_dequeued, total_messages_spilled from gv$streams_apply_reader r, dba_apply a, dba_queues q, dba_queue_tables t where r.apply_name = a.apply_name and a.queue_name = q.name and a.queue_owner = q.owner and q.queue_table = t.queue_table and q.owner=t.owner and r.inst_id = t.owner_instance
5n1fs4m2n2y0r	select pos#, intcol#, col#, spare1, bo#, spare2, spare3 from icol$ where obj#=:1
5r2nw00888cpc	SELECT UTC.COLUMN_NAME, UTC.DATA_TYPE, UCC.POSITION, UTC.DATA_DEFAULT FROM USER_TAB_COLUMNS UTC, USER_CONSTRAINTS UC, USER_CONS_COLUMNS UCC WHERE UTC.TABLE_NAME = UPPER(:B1) AND UC.TABLE_NAME = UTC.TABLE_NAME AND UC.CONSTRAINT_TYPE = 'P' AND UCC.TABLE_NAME = UTC.TABLE_NAME AND UCC.CONSTRAINT_NAME = UC.CONSTRAINT_NAME AND UCC.COLUMN_NAME = UTC.COLUMN_NAME ORDER BY UCC.POSITION
6ajkhukk78nsr	begin prvt_hdm.auto_execute(:dbid, :inst_num , :end_snap_id); end;
6aq34nj2zb2n7	select col#, grantee#, privilege#, max(mod(nvl(option$, 0), 2)) from objauth$ where obj#=:1 and col# is not null group by privilege#, col#, grantee# order by col#, grantee#
6gvch1xu9ca3g	DECLARE job BINARY_INTEGER := :job; next_date DATE := :mydate; broken BOOLEAN := FALSE; BEGIN EMD_MAINTENANCE.EXECUTE_EM_DBMS_JOB_PROCS(); :mydate := next_date; IF broken THEN :b := 1; ELSE :b := 0; END IF; END;
6v7n0y2bq89n8	BEGIN EMDW_LOG.set_context(MGMT_JOB_ENGINE.MODULE_NAME, :1); MGMT_JOB_ENGINE.get_scheduled_steps(:2, :3, :4, :5); EMDW_LOG.set_context; END;
7jpc15g8hms4w	BEGIN EMD_LOADER.GET_TABLE_OBJECT(:1, :2, :3, :4); END;
7ng34ruy5awxq	select i.obj#, i.ts#, i.file#, i.block#, i.intcols, i.type#, i.flags, i.property, i.pctfree$, i.initrans, i.maxtrans, i.blevel, i.leafcnt, i.distkey, i.lblkkey, i.dblkkey, i.clufac, i.cols, i.analyzetime, i.samplesize, i.dataobj#, nvl(i.degree, 1), nvl(i.instances, 1), i.rowcnt, mod(i.pctthres$, 256), i.indmethod#, i.trunccnt, nvl(c.unicols, 0), nvl(c.deferrable#+c.valid#, 0), nvl(i.spare1, i.intcols), i.spare4, i.spare2, i.spare6, decode(i.pctthres$, null, null, mod(trunc(i.pctthres$/256), 256)), ist.cachedblk, ist.cachehit, ist.logicalread from ind$ i, ind_stats$ ist, (select enabled, min(cols) unicols, min(to_number(bitand(defer, 1))) deferrable#, min(to_number(bitand(defer, 4))) valid# from cdef$ where obj#=:1 and enabled > 1 group by enabled) c where i.obj#=c.enabled(+) and i.obj# = ist.obj#(+) and i.bo#=:1 order by i.obj#
83taa7kaw59c1	select name, intcol#, segcol#, type#, length, nvl(precision#, 0), decode(type#, 2, nvl(scale, -127/*MAXSB1MINAL*/), 178, scale, 179, scale, 180, scale, 181, scale, 182, scale, 183, scale, 231, scale, 0), null$, fixedstorage, nvl(deflength, 0), default$, rowid, col#, property, nvl(charsetid, 0), nvl(charsetform, 0), spare1, spare2, nvl(spare3, 0) from col$ where obj#=:1 order by intcol#
87vs8t2c6ra1c	select metric_id, value from v$sysmetric where intsize_csec > 5900 and group_id = 2 and metric_id in (2135, 2155, 2153, 2075)
8t43xdhf4d9x2	SELECT CONTEXT_TYPE_ID, CONTEXT_TYPE, TRACE_LEVEL, NULL, NULL FROM EMDW_TRACE_CONFIG WHERE CONTEXT_TYPE = UPPER(:B1)
8u5gujrwh4wf4	/* OracleOEM */ declare TYPE data_cursor_type IS REF CURSOR; data_cursor data_cursor_type; cap_count number; apply_count number; propagation_count number; cap_error_count number; apply_error_count number; prop_error_count number; total_prop_errors number; sqlstmt varchar2(32767); begin SELECT COUNT(*) into cap_count FROM SYS.DBA_CAPTURE; SELECT COUNT(*) into apply_count FROM SYS.DBA_APPLY; SELECT COUNT(*) into propagation_count FROM SYS.DBA_PROPAGATION; SELECT COUNT(*) into cap_error_count FROM SYS.DBA_CAPTURE WHERE ERROR_NUMBER IS NOT NULL; SELECT COUNT(*) into

	apply_error_count FROM SYS.DBA_APPLY WHERE ERROR_NUMBER IS NOT NULL; SELECT COUNT(*) into prop_error_count FROM SYS.DBA_PROPAGATION WHERE ERROR_MESSAGE IS NOT NULL; SELECT NVL(SUM(FAILURES), 0) into total_prop_errors FROM SYS.DBA_QUEUE_SCHEDULES; sqlstmt := 'select '||cap_count||' CAPTURE_COUNT, '||apply_count||' APPLY_COUNT, '||propagation_count||' PROP_COUNT, '||cap_error_count||' CAPTURE_ERROR_COUNT, '||apply_error_count||' APPLY_ERROR_COUNT, '||prop_error_count||' PROP_ERROR_COUNT, '||total_prop_errors||' TOTAL_PROP_ERRORS from dual'; OPEN data_cursor FOR sqlstmt; :1 := data_cursor; end;
96g93hntrzjtr	select /*+ rule */ bucket_cnt, row_cnt, cache_cnt, null_cnt, timestamp#, sample_size, minimum, maximum, distcnt, lowval, hival, density, col#, spare1, spare2, avgcln from hist_head$ where obj#=:1 and intcol#=:2
9d5f4n226tduk	/* OracleOEM */ select r.apply_name apply_name, r.total_received total_received, r.total_assigned total_assigned, r.total_applied total_applied from gv$streams_apply_coordinator r, dba_apply a, dba_queues q, dba_queue_tables t where r.apply_name = a.apply_name and a.queue_name = q.name and a.queue_owner = q.owner and q.queue_table = t.queue_table and q.owner=t.owner and r.inst_id = t.owner_instance
9juw6s4yy5pzp	/* OracleOEM */ SELECT SUM(broken), SUM(failed) FROM (SELECT DECODE(STATE, 'BROKEN', 1, 0) broken, DECODE(STATE, 'FAILED', 1, 0) failed FROM DBA_SCHEDULER_JOBS)
a5pyncg7v0bw3	/* OracleOEM */ SELECT PROPAGATION_NAME, MESSAGE_DELIVERY_MODE, TOTAL_NUMBER, TOTAL_BYTES/1024 KBYTES FROM DBA_PROPAGATION P, DBA_QUEUE_SCHEDULES Q WHERE P.SOURCE_QUEUE_NAME = Q.QNAME AND P.SOURCE_QUEUE_OWNER = Q.SCHEMA AND MESSAGE_DELIVERY_MODE='BUFFERED' AND Q.DESTINATION LIKE '%'||P.DESTINATION_DBLINK||'%'
b2gnxm5z6r51n	lock table sys.col_usage$ in exclusive mode nowait
cakg0hdjjw2wf	select value from v$sysmetric where group_id = 2 and metric_id = :1
cm5vu20fhtnq1	select /*+ connect_by_filtering */ privilege#, level from sysauth$ connect by grantee#=prior privilege# and privilege#>0 start with grantee#=:1 and privilege#>0
crpbwajvn27ba	begin for i in 1..100000 loop delete from t where dummy=to_char(i); end loop; end;
d5xxfguffwpxh	select end_time, wait_class#, (time_waited_fg)/(intsize_csec/100), (time_waited)/(intsize_csec/100), 0 from v$waitclassmetric union all select fg.end_time, -1, fg.value, bg.value, dbtime.value from v$sysmetric fg, v$sysmetric bg, v$sysmetric dbtime where bg.metric_name = 'Background CPU Usage Per Sec' and bg.group_id = 2 and fg.metric_name = 'CPU Usage Per Sec' and fg.group_id = 2 and dbtime.metric_name = 'Average Active Sessions' and dbtime.group_id = 2 and bg.end_time = fg.end_time and fg.end_time = dbtime.end_time order by end_time, wait_class#
db78fxqxwxt7r	select /*+ rule */ bucket, endpoint, col#, epvalue from histgrm$ where obj#=:1 and intcol#=:2 and row#=:3 order by bucket
f0jxh8d6b5af2	/* OracleOEM */ select a.capture_name capture_name, total_messages_captured, total_messages_enqueued from gv$streams_capture a, dba_capture b, dba_queues c, dba_queue_tables d where a.capture_name = b.capture_name and b.queue_name=c.name and b.queue_owner=c.owner and c.queue_table=d.queue_table and c.owner=d.owner and d.owner_instance=a.inst_id
fjvwzpxbpch0h	/* OracleOEM */ select capture_name streams_name, 'capture' streams_type , (available_message_create_time-capture_message_create_time)*86400 latency, nvl(total_messages_enqueued, 0) total_messages from gv$streams_capture union all select propagation_name streams_name, 'propagation' streams_type, last_lcr_latency latency , total_msgs total_messages from gv$propagation_sender where propagation_name is not null union all select server_name streams_name, 'apply' streams_type, (send_time-last_sent_message_create_time)*86400 latency, nvl(total_messages_sent, 0) total_messages from gv$xstream_outbound_server where committed_data_only='NO' union all SELECT distinct apc.apply_name as STREAMS_NAME, 'apply' as STREAMS_TYPE, CASE WHEN aps.state != 'IDLE' THEN nvl((aps.apply_time - aps.create_time)*86400, -1) WHEN apc.state != 'IDLE' THEN nvl((apc.apply_time - apc.create_time)*86400, -1) WHEN apr.state != 'IDLE' THEN nvl((apr.apply_time - apr.create_time)*86400, -1) ELSE 0 END as STREAMS_LATENCY, nvl(aps.TOTAL_MESSAGES_APPLIED, 0) as TOTAL_MESSAGES FROM (SELECT apply_name, state, apply_time, applied_message_create_time as create_time, total_messages_applied FROM (SELECT apply_name, state, apply_time, applied_message_create_time, MAX(applied_message_create_time) OVER (PARTITION BY apply_name) as max_create_time, SUM(total_messages_applied) OVER (PARTITION BY apply_name) as total_messages_applied FROM gv$streams_apply_server) WHERE MAX_CREATE_TIME||'X' = APPLIED_MESSAGE_CREATE_TIME||'X') aps, (SELECT c.apply_name, state, -- This is the XOUT case c.hwm_time as apply_time, hwm_message_create_time as create_time, total_applied FROM gv$streams_apply_coordinator c, dba_apply p WHERE p.apply_name = c.apply_name and p.apply_name in (select server_name from dba_xstream_outbound) union SELECT c.apply_name, state, -- This is non-XOUT case c.lwm_time as apply_time, lwm_message_create_time as create_time, total_applied FROM gv$streams_apply_coordinator c, dba_apply p WHERE p.apply_name = c.apply_name and p.apply_name not in (select server_name from dba_xstream_outbound)) apc, (SELECT apply_name, state, dequeue_time as apply_time, dequeued_message_create_time as create_time FROM gv$streams_apply_reader) apr WHERE apc.apply_name = apr.apply_name AND apr.apply_name = aps.apply_name
gx4mv66pvj3xz	select con#, type#, condlength, intcols, robj#, rcon#, match#, refact, nvl(enabled, 0), rowid, cols, nvl(defer, 0), mtime, nvl(spare1, 0), spare2, spare3 from cdef$ where obj#=:1

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Instance Activity Statistics

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Instance Activity Stats

- **Ordered by statistic name**

Statistic	Total	per Second	per Trans
Batched IO (bound) vector count	4	0.01	0.02
Batched IO (full) vector count	0	0.00	0.00
Batched IO block miss count	98	0.16	0.51
Batched IO buffer defrag count	2	0.00	0.01
Batched IO double miss count	3	0.00	0.02
Batched IO same unit count	51	0.08	0.27
Batched IO single block count	1	0.00	0.01
Batched IO slow jump count	3	0.00	0.02
Batched IO vector block count	46	0.08	0.24
Batched IO vector read count	4	0.01	0.02
Block Cleanout Optim referenced	2	0.00	0.01
CCursor + sql area evicted	18	0.03	0.09
CPU used by this session	1,096	1.83	5.74
CPU used when call started	8,057	13.42	42.18
CR blocks created	24	0.04	0.13
Commit SCN cached	3	0.00	0.02
DB time	181,187	301.77	948.62
DBWR checkpoint buffers written	221	0.37	1.16
DBWR checkpoints	0	0.00	0.00
DBWR tablespace checkpoint buffers written	0	0.00	0.00
DBWR transaction table writes	16	0.03	0.08
DBWR undo block writes	281	0.47	1.47
HSC Heap Segment Block Changes	3,397	5.66	17.79
Heap Segment Array Inserts	95	0.16	0.50
Heap Segment Array Updates	12	0.02	0.06
IMU CR rollbacks	19	0.03	0.10
IMU Flushes	200	0.33	1.05
IMU Redo allocation size	431,540	718.73	2,259.37
IMU commits	141	0.23	0.74
IMU contention	3	0.00	0.02
IMU ktichg flush	0	0.00	0.00
IMU recursive-transaction flush	6	0.01	0.03

IMU undo allocation size	964,112	1,605.74	5,047.71
Number of read IOs issued	11	0.02	0.06
Requests to/from client	1,893	3.15	9.91
RowCR - row contention	0	0.00	0.00
RowCR attempts	236	0.39	1.24
RowCR hits	236	0.39	1.24
SQL*Net roundtrips to/from client	1,892	3.15	9.91
active txn count during cleanout	100	0.17	0.52
application wait time	0	0.00	0.00
background timeouts	2,932	4.88	15.35
buffer is not pinned count	72,401	120.58	379.06
buffer is pinned count	18,744	31.22	98.14
bytes received via SQL*Net from client	379,492	632.05	1,986.87
bytes sent via SQL*Net to client	321,200	534.96	1,681.68
calls to get snapshot scn: kcmgss	121,208	201.87	634.60
calls to kcmgas	871	1.45	4.56
calls to kcmgcs	200,868	334.55	1,051.66
cell physical IO interconnect bytes	51,517,952	85,803.62	269,727.50
change write time	36	0.06	0.19
cleanout - number of ktugct calls	131	0.22	0.69
cleanouts and rollbacks - consistent read gets	1	0.00	0.01
cleanouts only - consistent read gets	27	0.04	0.14
cluster key scan block gets	1,875	3.12	9.82
cluster key scans	1,609	2.68	8.42
commit batch performed	0	0.00	0.00
commit batch requested	0	0.00	0.00
commit batch/immediate performed	0	0.00	0.00
commit batch/immediate requested	0	0.00	0.00
commit cleanout failures: block lost	0	0.00	0.00
commit cleanout failures: callback failure	5	0.01	0.03
commit cleanout failures: cannot pin	3	0.00	0.02
commit cleanouts	1,808	3.01	9.47
commit cleanouts successfully completed	1,800	3.00	9.42
commit immediate performed	0	0.00	0.00
commit immediate requested	0	0.00	0.00
commit txn count during cleanout	74	0.12	0.39
concurrency wait time	70	0.12	0.37
consistent changes	37	0.06	0.19
consistent gets	378,123	629.77	1,979.70
consistent gets - examination	30,650	51.05	160.47
consistent gets direct	84	0.14	0.44
consistent gets from cache	378,039	629.63	1,979.26
consistent gets from cache (fastpath)	341,660	569.04	1,788.80
cursor authentications	187	0.31	0.98
data blocks consistent reads - undo records applied	26	0.04	0.14
db block changes	20,744	34.55	108.61
db block gets	17,514	29.17	91.70

db block gets direct	0	0.00	0.00
db block gets from cache	17,514	29.17	91.70
db block gets from cache (fastpath)	5,480	9.13	28.69
deferred (CURRENT) block cleanout applications	1,028	1.71	5.38
dirty buffers inspected	631	1.05	3.30
enqueue conversions	322	0.54	1.69
enqueue releases	7,852	13.08	41.11
enqueue requests	7,851	13.08	41.10
enqueue timeouts	0	0.00	0.00
enqueue waits	1	0.00	0.01
execute count	117,263	195.30	613.94
file io service time	0	0.00	0.00
file io wait time	904,023	1,505.66	4,733.10
frame signature mismatch	4	0.01	0.02
free buffer inspected	3,369	5.61	17.64
free buffer requested	3,233	5.38	16.93
heap block compress	16	0.03	0.08
hot buffers moved to head of LRU	1,198	2.00	6.27
immediate (CR) block cleanout applications	28	0.05	0.15
immediate (CURRENT) block cleanout applications	309	0.51	1.62
in call idle wait time	1,684,987	2,806.36	8,821.92
index crx upgrade (positioned)	920	1.53	4.82
index fast full scans (full)	6	0.01	0.03
index fetch by key	14,357	23.91	75.17
index scans kdiixs1	15,319	25.51	80.20
leaf node 90-10 splits	12	0.02	0.06
leaf node splits	43	0.07	0.23
lob writes	5	0.01	0.03
lob writes unaligned	5	0.01	0.03
logical read bytes from cache	3,240,370,176	5,396,866.14	16,965,288.88
logons cumulative	42	0.07	0.22
max cf enq hold time	0	0.00	0.00
messages received	794	1.32	4.16
messages sent	794	1.32	4.16
min active SCN optimization applied on CR	14	0.02	0.07
no buffer to keep pinned count	5	0.01	0.03
no work - consistent read gets	142,613	237.52	746.66
non-idle wait count	6,606	11.00	34.59
non-idle wait time	337	0.56	1.76
opened cursors cumulative	115,310	192.05	603.72
parse count (describe)	12	0.02	0.06
parse count (failures)	10	0.02	0.05
parse count (hard)	703	1.17	3.68
parse count (total)	2,581	4.30	13.51
parse time cpu	187	0.31	0.98
parse time elapsed	222	0.37	1.16
physical read IO requests	2,764	4.60	14.47

physical read bytes	23,830,528	39,689.96	124,767.16
physical read total IO requests	3,497	5.82	18.31
physical read total bytes	35,807,232	59,637.27	187,472.42
physical read total multi block requests	0	0.00	0.00
physical reads	2,909	4.84	15.23
physical reads cache	2,825	4.71	14.79
physical reads cache prefetch	114	0.19	0.60
physical reads direct	84	0.14	0.44
physical reads direct temporary tablespace	0	0.00	0.00
physical reads prefetch warmup	0	0.00	0.00
physical write IO requests	611	1.02	3.20
physical write bytes	7,897,088	13,152.67	41,346.01
physical write total IO requests	1,493	2.49	7.82
physical write total bytes	15,710,720	26,166.35	82,255.08
physical write total multi block requests	11	0.02	0.06
physical writes	964	1.61	5.05
physical writes direct	0	0.00	0.00
physical writes direct (lob)	0	0.00	0.00
physical writes direct temporary tablespace	0	0.00	0.00
physical writes from cache	964	1.61	5.05
physical writes non checkpoint	890	1.48	4.66
pinned buffers inspected	3	0.00	0.02
prefetch warmup blocks aged out before use	0	0.00	0.00
process last non-idle time	0	0.00	0.00
recursive calls	163,159	271.74	854.24
recursive cpu usage	734	1.22	3.84
redo blocks checksummed by FG (exclusive)	3,321	5.53	17.39
redo blocks written	8,861	14.76	46.39
redo entries	9,221	15.36	48.28
redo size	4,197,016	6,990.17	21,973.91
redo size for direct writes	0	0.00	0.00
redo synch long waits	1	0.00	0.01
redo synch time	50	0.08	0.26
redo synch time (usec)	516,848	860.82	2,706.01
redo synch writes	67	0.11	0.35
redo wastage	192,228	320.16	1,006.43
redo write time	108	0.18	0.57
redo writes	681	1.13	3.57
rollback changes - undo records applied	2	0.00	0.01
rollbacks only - consistent read gets	23	0.04	0.12
rows fetched via callback	6,655	11.08	34.84
session connect time	0	0.00	0.00
session logical reads	395,637	658.94	2,071.40
shared hash latch upgrades - no wait	4,316	7.19	22.60
sorts (memory)	3,517	5.86	18.41
sorts (rows)	21,624	36.01	113.21
sql area evicted	543	0.90	2.84

sql area purged	10	0.02	0.05
summed dirty queue length	781	1.30	4.09
switch current to new buffer	47	0.08	0.25
table fetch by rowid	29,964	49.91	156.88
table fetch continued row	454	0.76	2.38
table scan blocks gotten	101,282	168.69	530.27
table scan rows gotten	141,185	235.14	739.19
table scans (direct read)	1	0.00	0.01
table scans (long tables)	1	0.00	0.01
table scans (short tables)	100,372	167.17	525.51
total cf enq hold time	0	0.00	0.00
total number of cf enq holders	0	0.00	0.00
total number of times SMON posted	3	0.00	0.02
transaction rollbacks	0	0.00	0.00
undo change vector size	1,702,316	2,835.22	8,912.65
user I/O wait time	46	0.08	0.24
user calls	2,421	4.03	12.68
user commits	191	0.32	1.00
user rollbacks	0	0.00	0.00
workarea executions - onepass	0	0.00	0.00
workarea executions - optimal	2,378	3.96	12.45
write clones created in foreground	3	0.00	0.02

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Instance Activity Stats - Absolute Values

- **Statistics with absolute values (should not be diffed)**

Statistic	Begin Value	End Value
session pga memory max	482,231,752	497,337,112
session cursor cache count	5,143	5,863
session uga memory	210,510,982,360	253,458,630,216
opened cursors current	195	192
session pga memory	353,501,992	375,685,240
logons current	46	43
session uga memory max	296,255,240	338,940,824

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Instance Activity Stats - Thread Activity

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

Statistic	Total	per Hour

log switches (derived)	0	0.00

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IO Stats

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IOStat by Function summary

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

Function Name	Reads: Data	Reqs per sec	Data per sec	Writes: Data	Reqs per sec	Data per sec	Waits: Count	Avg Tm(ms)
Buffer Cache Reads	22M	4.58	.036641	0M	0.00	0M	2710	0.15
Others	11M	1.22	.018320	3M	0.33	.004996	1133	0.03
DBWR	0M	0.00	0M	8M	1.02	.013324	111	3.59
LGWR	0M	0.00	0M	4M	1.14	.006662	1362	1.17
Direct Reads	1M	0.02	.001665	0M	0.00	0M	11	0.00
TOTAL:	34M	5.82	.056627	15M	2.49	.024982	5327	0.46

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IOStat by Filetype summary

- **'Data' columns suffixed with M,G,T,P are in multiples of 1024 other columns suffixed with K,M,G,T,P are in multiples of 1000**
- **Small Read and Large Read are average service times, in milliseconds**
- **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	24M	4.60	.039972	6M	1.02	.009993	0.15	
Control File	11M	1.21	.018320	3M	0.33	.004996	0.00	
Log File	0M	0.00	0M	4M	1.14	.006662		
Temp File	0M	0.00	0M	0M	0.00	0M	0.00	
TOTAL:	35M	5.82	.058292	13M	2.49	.021651	0.12	

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IOStat by Function/Filetype summary

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

Function/File Name	Reads: Data	Reqs per sec	Data per sec	Writes: Data	Reqs per sec	Data per sec	Waits: Count	Avg Tm(ms)
Buffer Cache Reads	22M	4.58	.036641	0M	0.00	0M	2702	0.15
Buffer Cache Reads (Data File)	22M	4.58	.036641	0M	0.00	0M	2702	0.15
Others	11M	1.22	.018320	3M	0.33	.004996	733	0.00
Others (Control File)	11M	1.21	.018320	3M	0.33	.004996	729	0.00
Others (Data File)	0M	0.01	0M	0M	0.00	0M	4	0.00
DBWR	0M	0.00	0M	8M	1.02	.013324	0	
DBWR (Data File)	0M	0.00	0M	8M	1.02	.013324	0	
LGWR	0M	0.00	0M	4M	1.14	.006662	0	
LGWR (Log File)	0M	0.00	0M	4M	1.14	.006662	0	
Direct Reads	1M	0.02	.001665	0M	0.00	0M	0	
Direct Reads (Data File)	1M	0.02	.001665	0M	0.00	0M	0	
TOTAL:	34M	5.82	.056627	15M	2.49	.024982	3435	0.12

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Tablespace IO Stats

- **ordered by IOs (Reads + Writes) desc**

Tablespace	Reads	Av Reads/s	Av Rd(ms)	Av Blks/Rd	Writes	Av Writes/s	Buffer Waits	Av Buf Wt(ms)
SYSTEM	1,680	3	0.03	1.06	16	0	0	0.00
SYSAUX	1,050	2	0.32	1.04	436	1	1	0.00
UNDOTBS1	15	0	0.00	1.00	159	0	3	0.00
USERS	6	0	0.00	1.00	0	0	0	0.00
TEMP	1	0	0.00	1.00	0	0	0	0.00

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File IO Stats

- **ordered by Tablespace, File**

Tablespace	Filename	Reads	Av Reads/s	Av Rd(ms)	Av Blks/Rd	Writes	Av Writes/s	Buffer Waits	Av Buf Wt(ms)
SYSAUX	/home/oracle/prima/sysaux01.dbf	1,050	2	0.32	1.04	436	1	1	0.00
SYSTEM	/home/oracle/prima/system01.dbf	1,680	3	0.03	1.06	16	0	0	0.00
TEMP	/home/oracle/prima/temp01.dbt	1	0	0.00	1.00	0	0	0	

UNDOTBS1	/home/oracle/prima/undotbs01.dbf	15	0	0.00	1.00	159	0	3	0.00
USERS	/home/oracle/prima/users01.dbf	6	0	0.00	1.00	0	0	0	0.00

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Buffer Pool Statistics

- Buffer Pool Statistics
- Checkpoint Activity

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Buffer Pool Statistics

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

P	Number of Buffers	Pool Hit%	Buffer Gets	Physical Reads	Physical Writes	Free Buff Wait	Writ Comp Wait	Buffer Busy Waits
D	1,964	99	395,664	2,827	964	0	0	4

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Checkpoint Activity

- **Total Physical Writes: 964**

MTTR Writes	Log Size Writes	Log Ckpt Writes	Other Settings Writes	Autotune Ckpt Writes	Thread Ckpt Writes
0	0	0	0	221	0

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Advisory Statistics

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- PGA Aggr Target Stats
- PGA Aggr Target Histogram
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- SGA Target Advisory
- Streams Pool Advisory
- Java Pool Advisory

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Instance Recovery Stats

- **B: Begin Snapshot, E: End Snapshot**

	Targt MTTR (s)	Estd MTTR (s)	Recovery Estd IOs	Actual RedoBlks	Target RedoBlks	Log Sz RedoBlks	Log Ckpt Timeout RedoBlks	Log Ckpt Interval RedoBlks	Opt Log Sz(M)	Estd RAC Avail Time
B	0	19	265	1065	46243	165888	46243			
E	0	19	259	2677	53585	165888	53585			

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MTTR Advisory

No data exists for this section of the report.

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Buffer Pool Advisory

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

P	Size for Est (M)	Size Factor	Buffers (thousands)	Est Phys Read Factor	Estimated Phys Reads (thousands)	Est Phys Read Time	Est %DBtime for Rds
D	4	0.20	0	1.75	74	1	154.00
D	8	0.40	1	1.44	61	1	121.00
D	12	0.60	1	1.22	51	1	98.00
D	16	0.80	2	1.09	46	1	84.00
D	20	1.00	2	1.00	42	1	75.00
D	24	1.20	3	0.94	40	1	68.00
D	28	1.40	3	0.88	37	1	62.00
D	32	1.60	4	0.84	35	1	57.00
D	36	1.80	4	0.80	34	1	53.00
D	40	2.00	5	0.70	30	1	43.00

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PGA Aggr Summary

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

PGA Cache Hit %	W/A MB Processed	Extra W/A MB Read/Written
100.00	49	0

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PGA Aggr Target Stats

No data exists for this section of the report.

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PGA Aggr Target Histogram

- **Optimal Executions are purely in-memory operations**

Low Optimal	High Optimal	Total Execs	Optimal Execs	1-Pass Execs	M-Pass Execs
2K	4K	2,325	2,325	0	0
64K	128K	8	8	0	0
512K	1024K	43	43	0	0
4M	8M	2	2	0	0

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PGA Memory Advisory

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

PGA Target Est (MB)	Size Factr	W/A MB Processed	Estd Extra W/A MB Read/ Written to Disk	Estd PGA Cache Hit %	Estd PGA Overalloc Count	Estd Time
15	0.13	552.42	77.80	88.00	6	87,582
30	0.25	552.42	77.80	88.00	6	87,582
60	0.50	552.42	77.80	88.00	6	87,582
90	0.75	552.42	77.80	88.00	6	87,582
120	1.00	552.42	13.58	98.00	5	78,657
144	1.20	552.42	13.58	98.00	2	78,657
168	1.40	552.42	0.00	100.00	0	76,770
192	1.60	552.42	0.00	100.00	0	76,770
216	1.80	552.42	0.00	100.00	0	76,770
240	2.00	552.42	0.00	100.00	0	76,770
360	3.00	552.42	0.00	100.00	0	76,770
480	4.00	552.42	0.00	100.00	0	76,770
720	6.00	552.42	0.00	100.00	0	76,770
960	8.00	552.42	0.00	100.00	0	76,770

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Shared Pool Advisory

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

Shared Pool Size(M)	SP Size Factr	Est LC Size (M)	Est LC Mem Obj	Est LC Time Saved (s)	Est LC Time Saved Factr	Est LC Load Time (s)	Est LC Load Time Factr	Est LC Mem Obj Hits (K)
128	0.89	14	1,024	4,242	0.82	1,074	6.88	245
132	0.92	17	1,180	4,518	0.88	798	5.12	314
136	0.94	20	1,436	4,792	0.93	524	3.36	389
140	0.97	23	1,676	5,034	0.98	282	1.81	468
144	1.00	26	1,896	5,160	1.00	156	1.00	594
148	1.03	30	2,107	5,161	1.00	155	0.99	594
152	1.06	34	2,312	5,162	1.00	154	0.99	594
156	1.08	37	2,505	5,164	1.00	152	0.97	595
160	1.11	41	2,734	5,165	1.00	151	0.97	595
164	1.14	42	2,821	5,165	1.00	151	0.97	595
168	1.17	46	2,929	5,167	1.00	149	0.96	595
172	1.19	50	3,143	5,168	1.00	148	0.95	596
176	1.22	54	3,339	5,169	1.00	147	0.94	596
180	1.25	58	3,542	5,170	1.00	146	0.94	596
192	1.33	70	4,128	5,172	1.00	144	0.92	596
208	1.44	85	5,571	5,178	1.00	138	0.88	597
224	1.56	101	7,134	5,180	1.00	136	0.87	597
240	1.67	117	8,691	5,181	1.00	135	0.87	597
256	1.78	133	10,244	5,183	1.00	133	0.85	598
272	1.89	149	11,801	5,184	1.00	132	0.85	598
288	2.00	165	13,359	5,185	1.00	131	0.84	598

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SGA Target Advisory

SGA Target Size (M)	SGA Size Factor	Est DB Time (s)	Est Physical Reads
180	1.00	279	41,949
225	1.25	252	29,671
270	1.50	244	29,671
315	1.75	240	29,671
360	2.00	239	29,671

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Streams Pool Advisory

Size for Est (MB)	Size Factor	Est Spill Count	Est Spill Time (s)	Est Unspill Count	Est Unspill Time (s)

4	1.00	0	0	0	0
8	2.00	0	0	0	0
12	3.00	0	0	0	0
16	4.00	0	0	0	0
20	5.00	0	0	0	0
24	6.00	0	0	0	0
28	7.00	0	0	0	0
32	8.00	0	0	0	0
36	9.00	0	0	0	0
40	10.00	0	0	0	0
44	11.00	0	0	0	0
48	12.00	0	0	0	0
52	13.00	0	0	0	0
56	14.00	0	0	0	0
60	15.00	0	0	0	0
64	16.00	0	0	0	0
68	17.00	0	0	0	0
72	18.00	0	0	0	0
76	19.00	0	0	0	0
80	20.00	0	0	0	0

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Java Pool Advisory

No data exists for this section of the report.

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Wait Statistics

- Buffer Wait Statistics
- Enqueue Activity

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Buffer Wait Statistics

- **ordered by wait time desc, waits desc**

Class	Waits	Total Wait Time (s)	Avg Time (ms)
undo header	3	0	0
data block	1	0	0

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Enqueue Activity

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

Enqueue Type (Request Reason)	Requests	Succ Gets	Failed Gets	Waits	Wt Time (s)	Av Wt Time(ms)
TX-Transaction (row lock contention)	1	1	0	1	0	0.00

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Undo Statistics

- Undo Segment Summary
- Undo Segment Stats

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Undo Segment Summary

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

Undo TS#	Num Undo Blocks (K)	Number of Transactions	Max Qry Len (s)	Max Tx Concurcy	Min/Max TR (mins)	STO/ OOS	uS/uR/uU/ eS/eR/eU
2	0.22	265	336	3	19.6/19.6	0/0	0/0/0/0/0/0

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Undo Segment Stats

- Most recent 35 Undostat rows, ordered by Time desc

End Time	Num Undo Blocks	Number of Transactions	Max Qry Len (s)	Max Tx Concy	Tun Ret (mins)	STO/ OOS	uS/uR/uU/ eS/eR/eU
16-Apr 09:05	220	265	336	3	20	0/0	0/0/0/0/0/0

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Latch Statistics

- Latch Activity

- Latch Sleep Breakdown
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Latch Activity

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

Latch Name	Get Requests	Pct Get Miss	Avg Slps /Miss	Wait Time (s)	NoWait Requests	Pct NoWait Miss
AQ deq hash table latch	1	0.00		0	0	
AQ dequeue txn counter latch	520	0.00		0	0	
ASM db client latch	400	0.00		0	0	
ASM map operation hash table	1	0.00		0	0	
ASM network state latch	10	0.00		0	0	
AWR Alerted Metric Element list	4,410	0.00		0	0	
Change Notification Hash table latch	200	0.00		0	0	
Consistent RBA	681	0.00		0	0	
DML lock allocation	4,140	0.00		0	0	
Event Group Locks	75	0.00		0	0	
FAL Queue	16	0.00		0	0	
FOB s.o list latch	60	0.00		0	0	
File State Object Pool Parent Latch	1	0.00		0	0	
I/O Staticstics latch	1	0.00		0	0	
IPC stats buffer allocation latch	1	0.00		0	0	
In memory undo latch	2,997	0.00		0	466	0.00
JS Sh mem access	1	0.00		0	0	
JS queue access latch	1	0.00		0	0	
JS queue state obj latch	3,600	0.00		0	0	
JS slv state obj latch	41	0.00		0	0	
KFC FX Hash Latch	1	0.00		0	0	
KFC Hash Latch	1	0.00		0	0	
KFCL LE Freelist	1	0.00		0	0	
KGNFS-NFS:SHM structure	1	0.00		0	0	
KGNFS-NFS:SVR LIST	1	0.00		0	0	
KJC message pool free list	1	0.00		0	0	
KJCT flow control latch	1	0.00		0	0	
KMG MMAN ready and startup request latch	200	0.00		0	0	
KTF sga latch	4	0.00		0	171	0.00
KWQMN job cache list latch	1	0.00		0	0	
KWQP Prop Status	2	0.00		0	0	
KWQS pqsubs latch	5	0.00		0	0	

KWQS pqueue ctx latch	22	0.00		0	0	
Locator state objects pool parent latch	1	0.00		0	0	
Lsod array latch	1	0.00		0	0	
MQL Tracking Latch	0			0	12	0.00
Memory Management Latch	1	0.00		0	200	0.00
Memory Queue	1	0.00		0	0	
Memory Queue Message Subscriber #1	1	0.00		0	0	
Memory Queue Message Subscriber #2	1	0.00		0	0	
Memory Queue Message Subscriber #3	1	0.00		0	0	
Memory Queue Message Subscriber #4	1	0.00		0	0	
Memory Queue Subscriber	1	0.00		0	0	
MinActiveScn Latch	6	0.00		0	0	
Mutex	1	0.00		0	0	
Mutex Stats	1	0.00		0	0	
OS process	258	0.00		0	0	
OS process allocation	1,355	0.00		0	0	
OS process: request allocation	67	0.00		0	0	
PL/SQL warning settings	324	0.00		0	0	
PX hash array latch	1	0.00		0	0	
QMT	1	0.00		0	0	
Real-time plan statistics latch	40	0.00		0	0	
SGA IO buffer pool latch	48	0.00		0	48	0.00
SGA blob parent	1	0.00		0	0	
SGA bucket locks	1	0.00		0	0	
SGA heap locks	1	0.00		0	0	
SGA pool locks	1	0.00		0	0	
SQL memory manager latch	21	0.00		0	200	0.00
SQL memory manager workarea list latch	14,716	0.00		0	0	
Shared B-Tree	78	0.00		0	0	
Streams Generic	1	0.00		0	0	
Testing	1	0.00		0	0	
Token Manager	1	0.00		0	0	
WCR: sync	1	0.00		0	0	
Write State Object Pool Parent Latch	1	0.00		0	0	
X$KSFQP	1	0.00		0	0	
XDB NFS Security Latch	1	0.00		0	0	
XDB unused session pool	1	0.00		0	0	
XDB used session pool	1	0.00		0	0	
active checkpoint queue latch	312	0.00		0	0	
active service list	4,587	0.00		0	686	0.00
archive control	10	0.00		0	0	
archive process latch	48	0.00		0	0	
buffer pool	1	0.00		0	0	
business card	1	0.00		0	0	
cache buffer handles	161	0.00		0	0	
cache buffers chains	805,730	0.00		0	3,419	0.00

cache buffers lru chain	4,583	0.00		0	1,041	0.00
cache table scan latch	19	0.00		0	19	0.00
call allocation	1,618	0.00		0	0	
cas latch	1	0.00		0	0	
change notification client cache latch	1	0.00		0	0	
channel handle pool latch	70	0.00		0	0	
channel operations parent latch	4,137	0.00		0	0	
checkpoint queue latch	5,388	0.00		0	763	0.00
client/application info	420	0.00		0	0	
compile environment latch	42	0.00		0	0	
corrupted undo seg latch	6	0.00		0	0	
cp cmon/server latch	1	0.00		0	0	
cp pool latch	1	0.00		0	0	
cp server hash latch	1	0.00		0	0	
cp sga latch	10	0.00		0	0	
cvmap freelist lock	1	0.00		0	0	
deferred cleanup latch	10	0.00		0	0	
dml lock allocation	10	0.00		0	0	
done queue latch	1	0.00		0	0	
dummy allocation	88	0.00		0	0	
enqueue freelist latch	1	0.00		0	9,957	0.00
enqueue hash chains	16,029	0.00		0	0	
enqueues	10	0.00		0	0	
fifth spare latch	1	0.00		0	0	
file cache latch	28	0.00		0	0	
flashback copy	1	0.00		0	0	
fourth Audit Vault latch	1	0.00		0	0	
gc element	1	0.00		0	0	
gcs commit scn state	1	0.00		0	0	
gcs partitioned table hash	1	0.00		0	0	
gcs pcm hashed value bucket hash	1	0.00		0	0	
gcs resource freelist	1	0.00		0	0	
gcs resource hash	1	0.00		0	0	
gcs resource scan list	1	0.00		0	0	
gcs shadows freelist	1	0.00		0	0	
ges domain table	1	0.00		0	0	
ges enqueue table freelist	1	0.00		0	0	
ges group table	1	0.00		0	0	
ges process hash list	1	0.00		0	0	
ges process parent latch	1	0.00		0	0	
ges resource hash list	1	0.00		0	0	
ges resource scan list	1	0.00		0	0	
ges resource table freelist	1	0.00		0	0	
ges value block free list	1	0.00		0	0	
global KZLD latch for mem in SGA	8	0.00		0	0	
global tx hash mapping	1	0.00		0	0	
granule operation	1	0.00		0	0	

hash table column usage latch	574	0.00		0	148,281	0.00
hash table modification latch	9	0.00		0	0	
heartbeat check	1	0.00		0	0	
internal temp table object number allocation latch	2	0.00		0	0	
intra txn parallel recovery	1	0.00		0	0	
io pool granule metadata list	1	0.00		0	0	
job workq parent latch	11	0.00		0	10	0.00
job_queue_processes free list latch	20	0.00		0	0	
job_queue_processes parameter latch	140	0.00		0	0	
k2q lock allocation	1	0.00		0	0	
kdlx hb parent latch	1	0.00		0	0	
kgb parent	1	0.00		0	0	
kgnfs mount latch	1	0.00		0	0	
kokc descriptor allocation latch	204	0.00		0	0	
ksfv messages	1	0.00		0	0	
ksim group membership cache	1	0.00		0	0	
kss move lock	9	0.00		0	0	
ksuosstats global area	63	0.00		0	0	
ksv allocation latch	28	0.00		0	0	
ksv class latch	21	0.00		0	0	
ksv msg queue latch	1	0.00		0	0	
ksz_so allocation latch	67	0.00		0	0	
ktm global data	17	0.00		0	0	
kwqbsn:qsga	32	0.00		0	0	
lgwr LWN SCN	810	0.00		0	0	
list of block allocation	63	0.00		0	0	
loader state object freelist	2	0.00		0	0	
lob segment dispenser latch	1	0.00		0	0	
lob segment hash table latch	3	0.00		0	0	
lob segment query latch	1	0.00		0	0	
lock DBA buffer during media recovery	1	0.00		0	0	
logical standby cache	1	0.00		0	0	
logminer context allocation	2	0.00		0	0	
logminer work area	1	0.00		0	0	
longop free list parent	1	0.00		0	0	
managed standby latch	16	0.00		0	0	
mapped buffers lru chain	1	0.00		0	0	
message pool operations parent latch	21	0.00		0	0	
messages	8,233	0.00		0	0	
mostly latch-free SCN	810	0.00		0	0	
msg queue latch	1	0.00		0	0	
multiblock read objects	50	0.00		0	0	
name-service namespace bucket	1	0.00		0	0	
ncodef allocation latch	10	0.00		0	0	
object queue header heap	632	0.00		0	274	0.00
object queue header operation	9,910	0.00		0	0	

object stats modification	73	0.00		0	0	
parallel query alloc buffer	73	0.00		0	0	
parallel query stats	1	0.00		0	0	
parameter list	16	0.00		0	0	
parameter table management	241	0.00		0	0	
peshm	1	0.00		0	0	
pesom_free_list	1	0.00		0	0	
pesom_hash_node	1	0.00		0	0	
post/wait queue	787	0.00		0	727	0.00
process allocation	91	0.00		0	32	0.00
process group creation	67	0.00		0	0	
process queue	1	0.00		0	0	
process queue reference	1	0.00		0	0	
qmn task queue latch	88	0.00		0	0	
query server freelists	1	0.00		0	0	
queued dump request	2	0.00		0	0	
queuing load statistics	1	0.00		0	0	
recovery domain hash list	1	0.00		0	0	
redo allocation	2,420	0.00		0	9,219	0.00
redo copy	1	0.00		0	9,219	0.09
redo writing	2,781	0.00		0	0	
resmgr group change latch	28	0.00		0	0	
resmgr:active threads	88	0.00		0	0	
resmgr:actses change group	23	0.00		0	0	
resmgr:actses change state	1	0.00		0	0	
resmgr:free threads list	87	0.00		0	0	
resmgr:plan CPU method	1	0.00		0	0	
resmgr:resource group CPU method	1	0.00		0	0	
resmgr:schema config	1	0.00		0	0	
resmgr:session queuing	1	0.00		0	0	
rm cas latch	1	0.00		0	0	
row cache objects	292,316	0.00		0	1,327	0.00
rules engine rule set statistics	100	0.00		0	0	
second Audit Vault latch	1	0.00		0	0	
second spare latch	1	0.00		0	0	
sequence cache	76	0.00		0	0	
session allocation	1,575	0.00		0	0	
session idle bit	5,551	0.00		0	0	
session queue latch	1	0.00		0	0	
session state list latch	73	0.00		0	0	
session switching	46	0.00		0	0	
session timer	200	0.00		0	0	
shared pool	176,207	0.00	1.00	0	0	
shared pool sim alloc	1	0.00		0	0	
shared pool simulator	4,595	0.00		0	0	
sim partition latch	1	0.00		0	0	
simulator hash latch	6,076	0.00		0	0	

simulator lru latch	462	0.00		0	5,330	0.00
sort extent pool	26	0.00		0	0	
space background state object latch	4	0.00		0	0	
space background task latch	1,418	0.00		0	404	0.00
state object free list	2	0.00		0	0	
statistics aggregation	336	0.00		0	0	
tablespace key chain	1	0.00		0	0	
temp lob duration state obj allocation	2	0.00		0	0	
test excl. parent l0	1	0.00		0	0	
test excl. parent2 l0	1	0.00		0	0	
third spare latch	1	0.00		0	0	
threshold alerts latch	19	0.00		0	0	
transaction allocation	806	0.00		0	0	
undo global data	3,183	0.00		0	0	
virtual circuit buffers	1	0.00		0	0	
virtual circuit holder	1	0.00		0	0	
virtual circuit queues	1	0.00		0	0	

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Latch Sleep Breakdown

- **ordered by misses desc**

Latch Name	Get Requests	Misses	Sleeps	Spin Gets
shared pool	176,207	3	3	0

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Latch Miss Sources

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

Latch Name	Where	NoWait Misses	Sleeps	Waiter Sleeps
shared pool	kghupr1	0	2	2
shared pool	kghalp	0	1	0

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Mutex Sleep Summary

No data exists for this section of the report.

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Parent Latch Statistics

No data exists for this section of the report.

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Child Latch Statistics

No data exists for this section of the report.

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Segment Statistics

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Segments by Logical Reads

- **Total Logical Reads: 395,637**
- **Captured Segments account for 93.2% of Total**

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	Logical Reads	%Total
ADAM	USERS	T		TABLE	300,000	75.83
SYS	SYSTEM	I_HH_OBJ#_INTCOL#		INDEX	6,128	1.55
SYS	SYSTEM	I_CCOL1		INDEX	3,856	0.97
SYSMAN	SYSAUX	MGMT_SYSTEM_PERF_LOG_IDX_01		INDEX	3,136	0.79
SYS	SYSTEM	CCOL$		TABLE	3,040	0.77

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Segments by Physical Reads

- **Total Physical Reads: 2,909**
- **Captured Segments account for 33.7% of Total**

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	Physical Reads	%Total
SYS	SYSTEM	ICOL$		TABLE	150	5.16
SYS	SYSTEM	HIST_HEAD$		TABLE	66	2.27
SYS	SYSTEM	OBJ$		TABLE	55	1.89
SYS	SYSTEM	I_OBJ2		INDEX	54	1.86
SYS	SYSAUX	WRH$_SQL_PLAN		TABLE	53	1.82

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Segments by Physical Read Requests

- **Total Physical Read Requests: 2,764**
- **Captured Segments account for 35.4% of Total**

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	Phys Read Requests	%Total
SYS	SYSTEM	ICOL$		TABLE	150	5.43
SYS	SYSTEM	HIST_HEAD$		TABLE	66	2.39
SYS	SYSTEM	OBJ$		TABLE	55	1.99
SYS	SYSTEM	I_OBJ2		INDEX	54	1.95
SYS	SYSAUX	WRH$_SQL_PLAN		TABLE	53	1.92

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Segments by UnOptimized Reads

- **Total UnOptimized Read Requests: 2,764**
- **Captured Segments account for 35.4% of Total**

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	UnOptimized Reads	%Total
SYS	SYSTEM	ICOL$		TABLE	150	5.43
SYS	SYSTEM	HIST_HEAD$		TABLE	66	2.39
SYS	SYSTEM	OBJ$		TABLE	55	1.99
SYS	SYSTEM	I_OBJ2		INDEX	54	1.95
SYS	SYSAUX	WRH$_SQL_PLAN		TABLE	53	1.92

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Segments by Optimized Reads

No data exists for this section of the report.

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Segments by Direct Physical Reads

No data exists for this section of the report.

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Segments by Physical Writes

- **Total Physical Writes: 964**
- **Captured Segments account for 29.1% of Total**

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	Physical Writes	%Total
SYSMAN	SYSAUX	MGMT_METRICS_1HOUR_PK		INDEX	47	4.88
SYSMAN	SYSAUX	MGMT_SYSTEM_PERFORMANCE_LOG		TABLE	26	2.70
SYS	SYSAUX	WRH$_SYSSTAT_PK	WRH$_SYSSTA_2003897072_0	INDEX PARTITION	19	1.97
SYS	SYSTEM	COL_USAGE$		TABLE	17	1.76
SYS	SYSAUX	WRH$_SQL_PLAN		TABLE	17	1.76

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Segments by Physical Write Requests

- **Total Physical Write Requestss: 611**
- **Captured Segments account for 27.8% of Total**

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	Phys Write Requests	%Total
SYSMAN	SYSAUX	MGMT_METRICS_1HOUR_PK		INDEX	20	3.27
SYS	SYSAUX	WRH$_SEG_STAT	WRH$_SEG_ST_2003897072_0	TABLE PARTITION	14	2.29
SYS	SYSAUX	WRH$_SYSSTAT_PK	WRH$_SYSSTA_2003897072_0	INDEX PARTITION	14	2.29
SYS	SYSAUX	WRH$_SYSMETRIC_SUMMARY		TABLE	12	1.96
SYS	SYSAUX	WRH$_BG_EVENT_SUMMARY		TABLE	10	1.64

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Segments by Direct Physical Writes

No data exists for this section of the report.

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Segments by Table Scans

No data exists for this section of the report.

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Segments by DB Blocks Changes

- **% of Capture shows % of DB Block Changes for each top segment compared**
- **with total DB Block Changes for all segments captured by the Snapshot**

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	DB Block Changes	% of Capture
SYSMAN	SYSAUX	MGMT_SYSTEM_PERFORMANCE_LOG		TABLE	1,504	20.39
SYSMAN	SYSAUX	MGMT_SYSTEM_PERF_LOG_IDX_01		INDEX	1,392	18.87
SYSMAN	SYSAUX	MGMT_SYSTEM_PERF_LOG_IDX_02		INDEX	1,392	18.87
SYS	SYSTEM	COL_USAGE$		TABLE	1,200	16.27
SYSMAN	SYSAUX	MGMT_METRICS_1HOUR_PK		INDEX	528	7.16

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Segments by Row Lock Waits

- **% of Capture shows % of row lock waits for each top segment compared**
- **with total row lock waits for all segments captured by the Snapshot**

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	Row Lock Waits	% of Capture
SYSMAN	SYSAUX	MGMT_JOB_EXECUTION		TABLE	1	100.00

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Segments by ITL Waits

No data exists for this section of the report.

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Segments by Buffer Busy Waits

- **% of Capture shows % of Buffer Busy Waits for each top segment compared**

- **with total Buffer Busy Waits for all segments captured by the Snapshot**

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	Buffer Busy Waits	% of Capture
SYSMAN	SYSAUX	MGMT_JOB_EXECUTION		TABLE	1	100.00

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Dictionary Cache Stats

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

Cache	Get Requests	Pct Miss	Scan Reqs	Pct Miss	Mod Reqs	Final Usage
dc_awr_control	13	0.00	0		2	1
dc_files	4	100.00	0		0	0
dc_global_oids	927	2.80	0		0	44
dc_histogram_data	4,192	4.22	0		0	305
dc_histogram_defs	31,461	9.11	0		0	1,608
dc_object_grants	41	2.44	0		0	7
dc_objects	13,651	4.12	0		0	972
dc_profiles	18	0.00	0		0	1
dc_rollback_segments	70	0.00	0		0	12
dc_segments	3,440	9.42	0		9	322
dc_sequences	5	100.00	0		5	0
dc_tablespaces	20,514	0.01	0		0	5
dc_users	24,513	0.01	0		0	38
global database name	422	0.00	0		0	1
outstanding_alerts	3	100.00	0		0	0

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Library Cache Activity

- **"Pct Misses" should be very low**

Namespace	Get Requests	Pct Miss	Pin Requests	Pct Miss	Reloads	Invali- dations
ACCOUNT_STATUS	16	6.25	0		0	0
APP CONTEXT	0		77	0.00	0	0
BODY	175	6.29	1,505	2.19	21	0
CLUSTER	72	1.39	72	1.39	0	0
DBLINK	16	6.25	0		0	0
EDITION	21	9.52	39	7.69	0	0
INDEX	27	85.19	27	85.19	0	0
QUEUE	13	0.00	1,698	0.00	0	0
SCHEMA	884	0.11	0		0	0

SQL AREA	3,350	43.25	122,158	1.46	240	10
SQL AREA BUILD	664	89.91	0		0	0
SQL AREA STATS	539	91.28	539	91.28	0	0
SUBSCRIPTION	1	0.00	1	100.00	1	0
TABLE/PROCEDURE	4,239	13.82	9,108	19.65	559	0
TRIGGER	13	7.69	54	7.41	3	0

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Memory Statistics

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Memory Dynamic Components

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

Component	Begin Snap Size (Mb)	Current Size (Mb)	Min Size (Mb)	Max Size (Mb)	Oper Count	Last Op Typ/Mod
ASM Buffer Cache	0.00	0.00	0.00	0.00	0	STA/
DEFAULT 16K buffer cache	0.00	0.00	0.00	0.00	0	STA/
DEFAULT 2K buffer cache	0.00	0.00	0.00	0.00	0	STA/
DEFAULT 32K buffer cache	0.00	0.00	0.00	0.00	0	STA/
DEFAULT 4K buffer cache	0.00	0.00	0.00	0.00	0	STA/
DEFAULT 8K buffer cache	0.00	0.00	0.00	0.00	0	STA/
DEFAULT buffer cache	16.00	16.00	16.00	20.00	0	SHR/IMM
KEEP buffer cache	0.00	0.00	0.00	0.00	0	STA/
PGA Target	120.00	120.00	120.00	120.00	0	STA/
RECYCLE buffer cache	0.00	0.00	0.00	0.00	0	STA/
SGA Target	180.00	180.00	180.00	180.00	0	STA/
Shared IO Pool	0.00	0.00	0.00	0.00	0	STA/
java pool	4.00	4.00	4.00	4.00	0	STA/
large pool	4.00	4.00	4.00	4.00	0	STA/
shared pool	144.00	144.00	140.00	144.00	0	GRO/IMM
streams pool	4.00	4.00	4.00	4.00	0	STA/

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Memory Resize Operations Summary

No data exists for this section of the report.

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Memory Resize Ops

No data exists for this section of the report.

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Process Memory Summary

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

	Category	Alloc (MB)	Used (MB)	Avg Alloc (MB)	Std Dev Alloc (MB)	Max Alloc (MB)	Hist Max Alloc (MB)	Num Proc	Num Alloc
B	Other	160.03		3.48	4.94	18	18	46	46
B	Freeable	23.19	0.00	1.05	0.98	5		22	22
B	PL/SQL	17.70	15.39	0.38	0.68	2	3	46	46
B	SQL	2.39	0.17	0.08	0.05	0	22	30	28
E	Other	155.78		3.62	5.08	18	18	43	43
E	Freeable	21.63	0.00	0.98	1.00	5		22	22
E	PL/SQL	15.40	13.15	0.36	0.63	2	3	43	43
E	SQL	2.26	0.14	0.08	0.05	0	22	27	25

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SGA Memory Summary

SGA regions	Begin Size (Bytes)	End Size (Bytes) (if different)
Database Buffers	16,777,216	
Fixed Size	2,227,944	
Redo Buffers	4,747,264	
Variable Size	289,407,256	

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SGA breakdown difference

- **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	4.00	4.00	0.00
large	PX msg pool	0.47	0.47	0.00
large	free memory	3.53	3.53	0.00
shared	ASH buffers	2.00	2.00	0.00
shared	KCB Table Scan Buffer	3.80	3.80	0.00
shared	KGLH0	14.80	14.81	0.07
shared	KGLHD	3.61	3.36	-6.81
shared	KGLS	2.44	2.90	18.86
shared	KGLSG	5.02	5.02	0.00
shared	KKSSP	2.85	2.68	-5.89
shared	KSFD SGA I/O b	3.79	3.79	0.00
shared	PLMCD	3.22	3.42	6.12
shared	SQLA	6.61	11.02	66.77
shared	dbktb: trace buffer	1.56	1.56	0.00
shared	event statistics per sess	2.15	2.15	0.00
shared	free memory	36.33	31.84	-12.36
shared	kglsim hash table bkts	4.00	4.00	0.00
shared	kglsim heap	1.73	1.73	0.00
shared	kglsim object batch	2.95	2.95	0.00
shared	ksunfy : SSO free list	2.00	2.00	0.00
shared	obj stats allocation chun	2.46	2.46	0.00
shared	private strands	2.34	2.34	0.00
shared	row cache	7.24	7.24	0.00
streams	KTG hash buckets	1.26	1.26	0.00
streams	free memory	2.74	2.74	0.00
	buffer_cache	16.00	16.00	0.00
	fixed_sga	2.12	2.12	0.00
	log_buffer	4.53	4.53	0.00

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Streams Statistics

- **Streams CPU/IO Usage**
- **Streams Capture**
- **Streams Capture Rate**
- **Streams Apply**
- **Streams Apply Rate**
- **Buffered Queues**
- **Buffered Queue Subscribers**
- **Rule Set**

- Persistent Queues
- Persistent Queues Rate
- Persistent Queue Subscribers

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Streams CPU/IO Usage

- **Streams processes ordered by CPU Time, descending**

Session Type	First Logon	CPU time(s)	User IO Wait time(s)	SYS IO Wait time(s)
QMON Slaves	0416 08:15:31	0.01	0.00	0.00
QMON Coordinator	0416 08:15:21	0.01	0.00	0.00

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Streams Capture

No data exists for this section of the report.

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Streams Capture Rate

No data exists for this section of the report.

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Streams Apply

No data exists for this section of the report.

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Streams Apply Rate

No data exists for this section of the report.

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Buffered Queues

No data exists for this section of the report.

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Buffered Queue Subscribers

No data exists for this section of the report.

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Rule Set

No data exists for this section of the report.

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Persistent Queues

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

Queue Name	Enq Msgs	Deq Msgs	%Exp Msgs	%Delay Msgs	Enq Time(s)	Deq Time(s)	%Transf Time	%Eval Time
SYS.ALERT_QUE(12718)	0	0			0.00	0.00		
SYSMAN.MGMT_NOTIFY_Q(13906)	0	0			0.00	0.00		
SYSMAN.MGMT_TASK_Q(13576)	10	10	0.00	0.00	0.01	0.02	0.00	0.00

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Persistent Queues Rate

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

Queue Name	Enqueue Msgs/sec	Dequeue Msgs/sec	Avg Enqueue sec / msg	Avg Dequeue sec / msg
SYS.ALERT_QUE(12718)	0.00	0.00		
SYSMAN.MGMT_NOTIFY_Q(13906)	0.00	0.00		
SYSMAN.MGMT_TASK_Q(13576)	0.02	0.02	0.00	0.00

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Persistent Queue Subscribers

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

Subscriber/Queue	Enqueue Msgs	Dequeue Msgs	Expire Msgs	Enqueue Msgs/sec	Dequeue Msgs/sec	Expire Msgs/sec
HAE_SUB(1)/SYS.ALERT_QUE	0	0	0			
UHESSE1_LOCAL_3938_PRIMA(41)/SYS.ALERT_QUE	0	0	0	0.00	0.00	0.00

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Resource Limit Stats

No data exists for this section of the report.

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Shared Server Statistics

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Shared Servers Activity

- **Values represent averages for all samples**

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

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Shared Servers Rates

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

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Shared Servers Utilization

No data exists for this section of the report.

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Shared Servers Common Queue

No data exists for this section of the report.

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Shared Servers Dispatchers

No data exists for this section of the report.

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init.ora Parameters

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init.ora Parameters

Parameter Name	Begin value	End value (if different)
compatible	11.2.0.3	
control_files	/home/oracle/prima/control01.ctl	
db_block_size	8192	
db_domain		
db_name	prima	
db_recovery_file_dest	/home/oracle/flashback	
db_recovery_file_dest_size	5368709120	
diagnostic_dest	/home/oracle/prima	
memory_target	314572800	
parallel_degree_policy	MANUAL	
processes	100	
remote_login_passwordfile	EXCLUSIVE	
standby_file_management	auto	
undo_management	AUTO	
undo_tablespace	undotbs1	

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init.ora Multi-Valued Parameters

No data exists for this section of the report.

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Dynamic Remastering Stats

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End of Report