WORKLOAD REPOSITORY COMPARE PERIOD REPORT

Snapshot Set	DB Name	DB Id	Instance	Inst num	Release	Cluster	Host	Std Block Size
First (1st)	PRIMA	2003897072	prima	1	11.2.0.3.0	NO	uhesse1	8192
Second (2nd)	PRIMA	2003897072	prima	1	11.2.0.3.0	NO	uhesse1	8192

Snapshot Set	Begin Snap Id	Begin Snap Time	End Snap Id	End Snap Time	Avg Active Users	Elapsed Time (min)	DB time (min)
1st	50	16-Apr-13 08:50:16 (Tue)	51	16-Apr-13 09:00:17 (Tue)	0.2	10.0	1.8
2nd	51	16-Apr-13 09:00:17 (Tue)	52	16-Apr-13 09:10:17 (Tue)	0.0	10.0	0.2
%Diff					*-88.9*	*0.0*	*-89.6*

Host Configuration Comparison

	1st	2nd	Diff	%Diff
Number of CPUs:	1	1	0	0.0
Number of CPU Cores:	1	1	0	0.0
Number of CPU Sockets:	1	1	0	0.0
Physical Memory:	2172.8M	2172.8M	0M	0.0
Load at Start Snapshot:	.4	0	-.4	-100.0
Load at End Snapshot:	0	.04	.04	100.0
%User Time:	18.94	4.47	-14.46	-76.4
%System Time:	2.66	2.07	-.59	-22.2
%Idle Time:	78.3	93.37	15.07	19.2
%IO Wait Time:	.43	.22	-.21	-48.8

Cache Sizes

	1st (M)	2nd (M)	Diff (M)	%Diff
Memory Target	300.0	300.0	0.0	*0.0*
SGA Target	180.0	180.0	0.0	*0.0*
Buffer Cache	16.0	16.0	0.0	*0.0*
Shared Pool	144.0	144.0	0.0	*0.0*
Large Pool	4.0	4.0	0.0	*0.0*
Java Pool	4.0	4.0	0.0	*0.0*
Streams Pool	4.0	4.0	0.0	*0.0*
PGA Target	120.0	120.0	0.0	*0.0*
Log Buffer	4.3	4.3	0.0	*0.0*

Load Profile

	1st per sec	2nd per sec	%Diff	1st per txn	2nd per txn	%Diff
DB time:	0.2	0.0	*-88.9*	0.5	0.1	*-89.1*
CPU time:	0.1	0.0	*-86.7*	0.5	0.1	*-89.1*
Redo size:	3,617.1	6,990.2	*93.3*	11,140.9	21,973.9	*97.2*
Logical reads:	1,551.7	658.9	*-57.5*	4,779.2	2,071.4	*-56.7*
Block changes:	15.8	34.5	*118.9*	48.6	108.6	*123.4*
Physical reads:	12.9	4.8	*-62.5*	39.8	15.2	*-61.7*
Physical writes:	1.7	1.6	*-6.4*	5.3	5.0	*-4.9*

User calls:	5.9	4.0	*-31.7*	18.2	12.7	*-30.2*
Parses:	173.6	4.3	*-97.5*	534.8	13.5	*-97.5*
Hard parses:	170.8	1.2	*-99.3*	526.1	3.7	*-99.3*
W/A MB processed:	157,375.3	88,050.6	*-44.1*	484,724.8	276,791.0	*-44.1*
Logons:	0.1	0.1	*-22.2*	0.3	0.2	*-21.4*
Executes:	403.6	195.3	*-51.6*	1,243.1	613.9	*-50.6*
Transactions:	0.3	0.3	*0.0*			

	1st	2nd	Diff
% Blocks changed per Read:	1.0	5.2	*4.2*
Recursive Call %:	99.6	98.5	*-1.1*
Rollback per transaction %:	1.0	0.0	*-1.0*
Rows per Sort:	6.3	6.1	*-0.1*
Avg DB time per Call (sec):	0.0	0.0	*-0.0*

Top Timed Events

- **Events with a "-" did not make the Top list in this set of snapshots, but are displayed for comparison purposes**

1st						2nd					
Event	Wait Class	Waits	Time(s)	Avg Time(ms)	%DB time	Event	Wait Class	Waits	Time(s)	Avg Time(ms)	%DB time
CPU time			89.91		84.08	CPU time			9.76		87.72
db file sequential read	User I/O	6,863	2.26	0.33	2.11	log file parallel write	System I/O	681	1.07	1.58	9.65
log file parallel write	System I/O	232	0.83	3.58	0.78	os thread startup	Concurrency	24	0.70	29.31	6.32
os thread startup	Concurrency	26	0.67	25.65	0.62	log file sync	Commit	41	0.52	12.56	4.63
log file sync	Commit	50	0.41	8.12	0.38	db file async I/O submit	System I/O	111	0.45	4.06	4.05
-db file async I/O submit	System I/O	93	0.37	4.01	0.35	-db file sequential read	User I/O	2,689	0.40	0.15	3.62

Report Details

Supplemental Information

- init.ora Parameters
- SQL Statements

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Time Model Statistics

- **Ordered by absolute value of 'Diff' column of '% of DB time', descending (DB time statistic first, background statistics last)**

	% of DB time			Time (seconds)			Time per Trans (seconds)		
Statistic Name	1st	2nd	Diff	1st	2nd	%Diff	1st	2nd	%Diff
DB time	100.00	100.00	0.00	106.93	11.13	-89.59	0.55	0.06	-89.09
parse time elapsed	83.22	28.18	-55.04	88.99	3.14	-96.47	0.46	0.02	-95.65
hard parse elapsed time	67.33	26.82	-40.51	72.00	2.99	-95.85	0.37	0.02	-94.59
sql execute elapsed time	94.56	79.91	-14.65	101.11	8.89	-91.21	0.52	0.05	-90.38
hard parse (bind mismatch) elapsed time	1.64	8.19	6.54	1.76	0.91	-48.30	0.01	0.00	-100.00
hard parse (sharing criteria) elapsed time	1.94	8.30	6.36	2.07	0.92	-55.56	0.01	0.00	-100.00
PL/SQL execution elapsed time	4.11	7.84	3.74	4.39	0.87	-80.18	0.02	0.00	-100.00
DB CPU	84.08	87.72	3.64	89.91	9.76	-89.14	0.46	0.05	-89.13
connection management call elapsed time	0.32	0.29	-0.03	0.34	0.03	-91.18	0.00	0.00	0.00
repeated bind elapsed time	0.06	0.08	0.02	0.07	0.01	-85.71	0.00	0.00	0.00
sequence load elapsed time	0.03	0.01	-0.02	0.03	0.00	-100.00	0.00	0.00	0.00
PL/SQL compilation elapsed time	1.06	1.05	-0.01	1.14	0.12	-89.47	0.01	0.00	-100.00
Java execution elapsed time	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RMAN cpu time (backup/restore)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
failed parse (out of shared memory) elapsed time	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
failed parse elapsed time	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
inbound PL/SQL rpc elapsed time	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
background elapsed time	8.58	78.29	69.71	9.17	8.71	-5.02	0.05	0.05	0.00
background cpu time	2.56	27.80	25.24	2.74	3.09	12.77	0.01	0.02	100.00

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Operating System Statistics

- **Ordered by 'Statistic Name'**

	Value (centi-seconds)		per Second (DB time)			per Second (Elapsed Time)			per Trans		
Statistic Name	1st	2nd	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff
BUSY_TIME	12,888	3,933	120.53	353.32	*193.14*	21.46	6.55	*-69.48*	66.09	20.59	*-68.85*
GLOBAL_RECEIVE_SIZE_MAX	0	0	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*
GLOBAL_SEND_SIZE_MAX	0	0	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*
IDLE_TIME	46,500	55,375	434.86	4,974.66	*1,043.97*	77.42	92.23	*19.13*	238.46	289.92	*21.58*

IOWAIT_TIME	257	132	2.40	11.86	*394.17*	0.43	0.22	*-48.84*	1.32	0.69	*-47.73*
NICE_TIME	0	0	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*
RSRC_MGR_CPU_WAIT_TIME	0	0	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*
SYS_TIME	1,580	1,230	14.78	110.50	*647.63*	2.63	2.05	*-22.05*	8.10	6.44	*-20.49*
TCP_RECEIVE_SIZE_DEFAULT	0	0	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*
TCP_RECEIVE_SIZE_MAX	0	0	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*
TCP_RECEIVE_SIZE_MIN	0	0	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*
TCP_SEND_SIZE_DEFAULT	0	0	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*
TCP_SEND_SIZE_MAX	0	0	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*
TCP_SEND_SIZE_MIN	0	0	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*
USER_TIME	11,246	2,654	105.17	238.42	*126.70*	18.72	4.42	*-76.39*	57.67	13.90	*-75.90*
VM_IN_BYTES	0	0	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*
VM_OUT_BYTES	0	0	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*

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Wait Events

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Wait Classes

- **Ordered by absolute value of 'Diff' column of '% of DB time' descending**

	% of DB time			# Waits/sec (Elapsed Time)			Total Wait Time (sec)			Avg Wait Time (ms)		
Wait Class	**1st**	**2nd**	**Diff**	**1st**	**2nd**	**%Diff**	**1st**	**2nd**	**%Diff**	**1st**	**2nd**	**%Diff**
System I/O	1.29	14.97	*13.68*	3.02	2.86	*-5.30*	1.38	1.67	*21.01*	0.76	0.97	*27.63*
Concurrency	0.82	6.37	*5.55*	0.33	0.05	*-84.85*	0.88	0.71	*-19.32*	4.47	22.88	*411.86*
Commit	0.38	4.63	*4.25*	0.08	0.07	*-12.50*	0.41	0.52	*26.83*	8.12	12.56	*54.68*
User I/O	2.25	3.64	*1.39*	11.81	4.58	*-61.22*	2.41	0.41	*-82.99*	0.34	0.15	*-55.88*
Network	0.03	0.11	*0.07*	4.78	3.22	*-32.64*	0.03	0.01	*-66.67*	0.01	0.01	*0.00*
Application	0.01	0.05	*0.04*	0.07	0.07	*0.00*	0.01	0.01	*0.00*	0.16	0.13	*-18.75*
Other	0.04	0.02	*-0.02*	0.22	0.11	*-50.00*	0.04	0.00	*-100.00*	0.34	0.04	*-88.24*

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Wait Events

- **Ordered by absolute value of 'Diff' column of '% of DB time' descending (idle events last)**

		% of DB time			# Waits/sec (Elapsed Time)			Total Wait Time (sec)			Avg Wait Time (ms)		
Event	**Wait Class**	**1st**	**2nd**	**Diff**	**1st**	**2nd**	**%Diff**	**1st**	**2nd**	**%Diff**	**1st**	**2nd**	**%Diff**

log file parallel write	System I/O	0.78	9.65	*8.87*	0.39	1.13	*189.74*	0.83	1.07	*28.92*	3.58	1.58	*-55.87*
os thread startup	Concurrency	0.62	6.32	*5.70*	0.04	0.04	*0.00*	0.67	0.70	*4.48*	25.65	29.31	*14.27*
log file sync	Commit	0.38	4.63	*4.25*	0.08	0.07	*-12.50*	0.41	0.52	*26.83*	8.12	12.56	*54.68*
db file async I/O submit	System I/O	0.35	4.05	*3.70*	0.15	0.18	*20.00*	0.37	0.45	*21.62*	4.01	4.06	*1.25*
db file sequential read	User I/O	2.11	3.62	*1.50*	11.43	4.48	*-60.80*	2.26	0.40	*-82.30*	0.33	0.15	*-54.55*
control file parallel write	System I/O	0.16	1.21	*1.05*	0.33	0.33	*0.00*	0.17	0.13	*-23.53*	0.83	0.68	*-18.07*
direct path read	User I/O	0.12	0.00	*-0.12*	0.15	0.02	*-86.67*	0.13	0.00	*-100.00*	1.48	0.02	*-98.65*
SQL*Net message to client	Network	0.01	0.11	*0.09*	4.65	3.19	*-31.40*	0.01	0.01	*0.00*	0.00	0.01	*100.00*
control file sequential read	System I/O	0.01	0.07	*0.06*	2.14	1.21	*-43.46*	0.01	0.01	*0.00*	0.01	0.01	*0.00*
latch: shared pool	Concurrency	0.09	0.03	*-0.06*	0.18	0.00	*-100.00*	0.10	0.00	*-100.00*	0.92	1.24	*34.78*
latch: row cache objects	Concurrency	0.06	0.00	*-0.06*	0.08	0.00	*-100.00*	0.06	0.00	*-100.00*	1.20	0.00	*-100.00*
cursor: pin S wait on X	Concurrency	0.04	0.00	*-0.04*	0.00	0.00	*0.00*	0.05	0.00	*-100.00*	15.07	0.00	*-100.00*
SQL*Net break/reset to client	Application	0.01	0.05	*0.04*	0.07	0.07	*0.00*	0.01	0.01	*0.00*	0.16	0.13	*-18.75*
SQL*Net more data to client	Network	0.02	0.00	*-0.02*	0.08	0.00	*-100.00*	0.02	0.00	*-100.00*	0.42	0.00	*-100.00*
buffer busy waits	Concurrency	0.00	0.02	*0.02*	0.00	0.01	*100.00*	0.00	0.00	*0.00*	0.47	0.49	*4.26*
Disk file operations I/O	User I/O	0.00	0.02	*0.01*	0.11	0.04	*-63.64*	0.00	0.00	*0.00*	0.08	0.06	*-25.00*
direct path sync	User I/O	0.01	0.00	*-0.01*	0.00	0.00	*0.00*	0.01	0.00	*-100.00*	4.69	0.00	*-100.00*
SGA: allocation forcing component growth	Other	0.01	0.00	*-0.01*	0.00	0.00	*0.00*	0.01	0.00	*-100.00*	7.48	0.00	*-100.00*
latch free	Other	0.01	0.00	*-0.01*	0.00	0.00	*0.00*	0.01	0.00	*-100.00*	2.13	0.00	*-100.00*
library cache: mutex X	Concurrency	0.00	0.00	*-0.00*	0.00	0.00	*0.00*	0.01	0.00	*-100.00*	1.72	0.00	*-100.00*
ADR block file read	Other	0.02	0.02	*-0.00*	0.06	0.02	*-66.67*	0.02	0.00	*-100.00*	0.71	0.21	*-70.42*
asynch descriptor resize	Other	0.00	0.00	*0.00*	0.15	0.08	*-46.67*	0.00	0.00	*0.00*	0.02	0.01	*-50.00*

latch: call allocation	Other	0.00	0.00	*-0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*	1.13	0.00	*-100.00*
enq: TX - row lock contention	Application	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00	0.35	*100.00*
Parameter File I/O	User I/O	0.00	0.00	*-0.00*	0.03	0.00	*-100.00*	0.00	0.00	*0.00*	0.17	0.00	*-100.00*
db file scattered read	User I/O	0.00	0.00	*0.00*	0.08	0.03	*-62.50*	0.00	0.00	*0.00*	0.01	0.02	*100.00*
db file parallel read	User I/O	0.00	0.00	*0.00*	0.01	0.01	*0.00*	0.00	0.00	*0.00*	0.05	0.07	*40.00*
latch: cache buffers lru chain	Other	0.00	0.00	*-0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*	1.62	0.00	*-100.00*
LGWR wait for redo copy	Other	0.00	0.00	*0.00*	0.00	0.01	*100.00*	0.00	0.00	*0.00*	0.00	0.03	*100.00*
cursor: pin S	Concurrency	0.00	0.00	*-0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*	1.01	0.00	*-100.00*
SQL*Net more data from client	Network	0.00	0.00	*0.00*	0.05	0.03	*-40.00*	0.00	0.00	*0.00*	0.01	0.01	*0.00*
latch: cache buffers chains	Concurrency	0.00	0.00	*-0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.45	0.00	*-100.00*
direct path write	User I/O	0.00	0.00	*-0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.03	0.00	*-100.00*
direct path write temp	User I/O	0.00	0.00	*-0.00*	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.03	0.00	*-100.00*
SQL*Net message from client	Idle	7,356.45	66,111.40	*58,754.95*	4.68	3.21	*-31.41*	7,866.36	7,359.14	*-6.45*	2,799.42	3,820.94	*36.49*
Space Manager: slave idle wait	Idle	3,062.09	21,743.86	*18,681.77*	1.16	0.84	*-27.59*	3,274.34	2,420.40	*-26.08*	4,711.28	4,773.97	*1.33*
DIAG idle wait	Idle	1,123.28	10,781.56	*9,658.28*	2.00	2.00	*0.00*	1,201.14	1,200.14	*-0.08*	1,000.95	1,000.95	*0.00*
Streams AQ: qmn slave idle wait	Idle	550.06	5,535.65	*4,985.59*	0.03	0.04	*33.33*	588.19	616.20	*4.76*	28,008.97	28,008.93	*-0.00*
Streams AQ: qmn coordinator idle wait	Idle	550.07	5,535.64	*4,985.57*	0.07	0.07	*0.00*	588.19	616.20	*4.76*	14,004.60	14,004.43	*-0.00*
jobq slave wait	Idle	562.28	5,401.08	*4,838.80*	2.00	2.00	*0.00*	601.25	601.22	*-0.00*	501.05	501.01	*-0.01*
wait for unread message on broadcast channel	Idle	561.12	5,390.62	*4,829.50*	1.01	1.01	*0.00*	600.01	600.05	*0.01*	985.24	985.31	*0.01*

Streams AQ: waiting for messages in the queue	Idle	565.86	5,390.70	*4,824.84*	0.20	0.20	*0.00*	605.08	600.06	*-0.83*	5,000.70	5,000.51	*-0.00*
class slave wait	Idle	0.00	0.00	*0.00*	0.01	0.01	*0.00*	0.00	0.00	*0.00*	0.01	0.00	*-100.00*

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Service Statistics

- **Service Statistics**
- **Service Statistics (RAC)**

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Service Statistics

- **Ordered by absolute value of 'Diff' column of '% of DB time' descending**
- **DB time First: 106.93 seconds, Second: 11.13 seconds**
- **CPU Time First: 89.91 seconds, Second: 9.76 seconds**
- **Physical Reads First: 7,757, Second: 2,909**
- **Logical Reads First: 931,944, Second: 395,637**

	% of DB time			% CPU Time			% Physical Reads			% Logical Reads		
Service Name	1st	2nd	Diff	1st	2nd	Diff	1st	2nd	Diff	1st	2nd	Diff
SYS$USERS	91.50	76.34	*-15.16*	93.05	79.50	*-13.55*	48.56	37.71	*-10.85*	86.62	86.26	*-0.36*
prima	8.70	23.66	*14.95*	7.10	20.50	*13.40*	28.62	18.84	*-9.78*	8.68	4.71	*-3.97*
SYS$BACKGROUND	0.00	0.00	*0.00*	0.00	0.00	*0.00*	23.13	43.31	*20.19*	4.75	9.12	*4.37*

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Service Statistics (RAC)

- **Ordered by total Diff of '% of CR Blocks Received' and '% of Current Blocks Received'**
- **GC CR Blks Received First: 1, Second: 1**
- **GC CURRENT Blks Received First: 1, Second: 1**

	% CR Blks Received			% Current Blks Received			
Service Name	1st	2nd	Diff	1st	2nd	Diff	Total Diff
SYS$BACKGROUND	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00
SYS$USERS	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00
prima	0.00	0.00	*0.00*	0.00	0.00	*0.00*	0.00

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SQL Statistics

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Top SQL Comparison by Elapsed Time

- **Ordered by absolute value of 'Diff' column of 'Elapsed Time % of DB time' descending**
- **'#Plans' column indicates the number of distinct execution plans for the statement in 1st and 2nd periods and in Both periods combined**
- **'1st Total' and '2nd Total' show respective running totals for '1st' and '2nd' columns of 'Elapsed Time % of DB time'**
- **DB time First: 106.93 seconds, Second: 11.13 seconds**
- **Captured SQL Elapsed Time First: 20.99 seconds, Second: 6.62 seconds**
- **Captured SQL Elapsed Time as a % of DB time First: 19.63%, Second: 59.45%**
- **Captured PL/SQL Elapsed Time as a % of DB time First: 81.74%, Second: 57%**
- **Common SQL Elapsed Time as a % of DB time First: 8.92%, Second: 41.65%**

	Elapsed Time % of DB time					Elapsed Time (ms) per Exec		#Exec/sec (DB time)		CPU Time (ms) per Exec		I/O Time (ms) per Exec		Physical Reads per Exec		#Rows Processed per Exec		#Executions		#Plans	
SQL Id	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st/2nd/Both	SQL Text
frvryd3rr8fag	77.59	77.59			-77.59	82,972		0.01		74,261		0		6.00		1.00		1			begin for i in 1..100000 loop ...
crpbwajvn27ba			30.29	30.29	30.29		3,371		0.09		3,157		0		6.00		1.00		1		begin for i in 1..100000 loop ...
157t5gpvwmud7			15.66	45.95	15.66		0		8,983.58		0		0		0.00		0.00		100,000	/ 1/ 1	DELETE FROM T WHERE DUMMY=TO_C...
d5xxfgufwpxh	0.92	78.51	12.93	58.88	12.02	20	18	0.45	7.19	15	16	0	0	0.02	0.06	14.00	14.00	48	80	1/ 1/ 1	select end_time, wait_class#, ...
48sb36jvxc8zj	10.32	88.83			-10.32	0		935.18		0		0		0.00		1.00		100,000		1// 1	SELECT /* OPT_DYN_SAMP */ /*+ ...
7jpc15q8hms4w			7.82	66.70	7.82		435		0.18		402		0		24.50		1.00		2		BEGIN EMD_LOADER.GET_TABLE_OBJ...

6qvch1xu9ca3g	1.29	90.12	8.46	75.16	7.16	230	94	0.06	0.90	156	66	2	13	131.83	69.90	1.00	1.00	6	10		DECLARE job BINARY_INTEGER := ...
5r2nw00888cpc	1.62	91.74	7.50	82.66	5.89	864	418	0.02	0.18	776	385	0	0	32.50	21.00	0.50	3.00	2	2	1/ 1/ 1	SELECT UTC.COLUMN_NAME, UTC.DA...
6ajkhukk78nsr			3.28	85.94	3.28		366		0.09		331		5		278.00		1.00		1		begin prvt_hdm.auto_execute(:...
fjvwzpxbpch0h			2.16	88.10	2.16		120		0.18		109		0		4.50		0.00		2	/ 1/ 1	/* OracleOEM */ select capture...
6v7n0y2bq89n8	0.67	92.41	2.32	90.42	1.65	3	1	2.24	21.56	2	1	0	0	0.38	0.18	1.00	1.00	240	240		BEGIN EMDW_LOG.set_context(MGM...
f0jxh8d6b5af2			1.65	92.07	1.65		92		0.18		85		0		36.50		0.00		2	/ 1/ 1	/* OracleOEM */ select a.captu...
3am9cfkvx7gq1	0.42	92.82	1.40	93.48	0.99	50	17	0.08	0.81	28	16	1	0	22.44	16.67	0.00	0.00	9	9		CALL MGMT_ADMIN_DATA.EVALUATE_...
2b064ybzkwf1y	0.81	93.63	1.47	94.95	0.67	43	8	0.19	1.80	25	9	0	0	8.30	0.35	0.00	0.00	20	20		BEGIN EMD_NOTIFICATION.QUEUE_R...
fndjrj10u6q7d	0.59	94.22			-0.59	318		0.02		176		0		5.00		532.00		2		1// 1	select end_time, wait_class#, ...
5ms6rbzdnq16t	0.44	94.67			-0.44	4		1.12		2		0		1.06		0.08		120		1// 1	select job, nvl2(last_date, 1,...

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Top SQL Comparison by CPU Time

- **Ordered by absolute value of the 'Diff' column of 'CPU % of DB CPU' descending**
- **'#Plans' column indicates the number of distinct execution plans for the statement in 1st and 2nd periods and in Both periods combined**
- **'1st Total' and '2nd Total' show respective running totals for '1st' and '2nd' columns of 'CPU Time % of DB CPU'**
- **Total CPU Time First: 89.91 seconds, Second: 9.76 seconds**
- **Captured SQL CPU Time First: 15.47 seconds, Second: 6.03 seconds**
- **Captured SQL as a % of Total CPU First: 17.21%, Second: 61.77%**
- **Captured PL/SQL as a % of Total CPU First: 85.55%, Second: 57.62%**
- **Common SQL as a % of Total CPU First: 7.26%, Second: 40.1%**

	CPU Time % of DB CPU					CPU Time (ms) per Exec		I/O Time (ms) per Exec		#Exec/sec (DB time)		Exec Time (ms) per Exec		Physical Reads per Exec		#Rows Processed per Exec		#Plans	
SQL Id	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st/2nd/Both	SQL Text
frvryd3rr8faq	82.59	82.59			-82.59	74,261		0		0.01		82,972		6.00		1.00			begin for i in 1..100000 loop ...
crpbwajvn27ba			32.33	32.33	32.33		3,157		0		0.09		3,371		6.00		1.00		begin for i in 1..100000 loop ...

157t5gpvwmud7			18.02	50.35	18.02		0		0		8,983.58		0		0.00		0.00	/ 1/ 1	DELETE FROM T WHERE DUMMY=TO_C...
d5xxfguffwpxh	0.82	83.41	13.02	63.37	12.21	15	16	0	0	0.45	7.19	20	18	0.02	0.06	14.00	14.00	1/ 1/ 1	select end_time, wait_class#, ...
48sb36jvxc8zj	10.06	93.48			-10.06	0		0		935.18		0		0.00		1.00		1// 1	SELECT /* OPT_DYN_SAMP */ /*+ ...
7jpc15g8hms4w			8.23	71.61	8.23		402		0		0.18		435		24.50		1.00		BEGIN EMD_LOADER.GET_TABLE_OBJ...
5r2nw00888cpc	1.73	95.20	7.89	79.50	6.17	776	385	0	0	0.02	0.18	864	418	32.50	21.00	0.50	3.00	1/ 1/ 1	SELECT UTC.COLUMN_NAME, UTC.DA...
6gvch1xu9ca3g	1.04	96.24	6.79	86.29	5.75	156	66	2	13	0.06	0.90	230	94	131.83	69.90	1.00	1.00		DECLARE job BINARY_INTEGER := ...
6ajkhukk78nsr			3.39	89.68	3.39		331		5		0.09		366		278.00		1.00		begin prvt_hdm.auto_execute(:...
fjvwzpxbpch0h			2.24	91.92	2.24		109		0		0.18		120		4.50		0.00	/ 1/ 1	/* OracleOEM */ select capture...
f0jxh8d6b5af2			1.74	93.66	1.74		85		0		0.18		92		36.50		0.00	/ 1/ 1	/* OracleOEM */ select a.captu...
2b064ybzkwf1y	0.56	96.80	1.84	95.51	1.28	25	9	0	0	0.19	1.80	43	8	8.30	0.35	0.00	0.00		BEGIN EMD_NOTIFICATION.QUEUE_R...
3am9cfkvx7gq1	0.28	97.09	1.52	97.02	1.23	28	16	1	0	0.08	0.81	50	17	22.44	16.67	0.00	0.00		CALL MGMT_ADMIN_DATA.EVALUATE_...
6v7n0y2bg89n8	0.42	97.50	1.65	98.67	1.23	2	1	0	0	2.24	21.56	3	1	0.38	0.18	1.00	1.00		BEGIN EMDW_LOG.set_context(MGM...
fndjrj10u6g7d	0.39	97.90			-0.39	176		0		0.02		318		5.00		532.00		1// 1	select end_time, wait_class#, ...
7ng34ruy5awxq	0.32	98.22	0.65	99.31	0.33	0	0	0	0	8.56	20.57	0	0	0.15	0.24	1.69	1.51	1/ 1/ 1	select i.obj#, i.ts#, i.file#,...

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Top SQL Comparison by I/O Time

- **Ordered by absolute value of 'Diff' column of 'I/O Time % of DB time' descending**
- **'#Plans' column indicates the number of distinct execution plans for the statement in 1st and 2nd periods and in Both periods combined**
- **'1st Total' and '2nd Total' show respective running totals for '1st' and '2nd' columns of 'I/O Time % of DB time'**
- **User I/O Class Wait Time as a % of DB time First: 2.25%, Second: 3.64%**
- **Total User I/O Time First: 2.41 seconds, Second: 0.41 seconds**
- **Captured SQL I/O Time First: 0.75 seconds, Second: 0.01 seconds**
- **Captured SQL as a % of Total User I/O First: 31.1%, Second: 2.67%**
- **Captured PL/SQL as a % of Total User I/O First: 1.02%, Second: 32.83%**
- **Common SQL as a % of Total User I/O First: 1.55%, Second: 1.63%**

I/O Time % of DB time	I/O Time (ms)	Elapsed Time (ms)	#Exec/sec (DB time)	CPU Time (ms)	Physical Reads	#Rows Processed	#Executions	#Plans

						per Exec		per Exec				per Exec		per Exec		per Exec					
SQL Id	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st/2nd/Both	SQL Text
6gvch1xu9ca3g	0.01	0.01	1.13	1.13	1.12	2	13	230	94	0.06	0.90	156	66	131.83	69.90	1.00	1.00	6	10		DECLARE job BINARY_INTEGER := ...
6ajkhukk78nsr			0.04	1.17	0.04		5		366		0.09		331		278.00		1.00		1		begin prvt_hdm.auto_execute(:...
7jpc15g8hms4w			0.01	1.18	0.01		0		435		0.18		402		24.50		1.00		2		BEGIN EMD_LOADER.GET_TABLE_OBJ...
3am9cfkvx7gq1	0.00	0.02	0.01	1.19	0.01	1	0	50	17	0.08	0.81	28	16	22.44	16.67	0.00	0.00	9	9		CALL MGMT_ADMIN_DATA.EVALUATE_...
5r2nw00888cpc	0.00	0.02	0.01	1.19	0.00	0	0	864	418	0.02	0.18	776	385	32.50	21.00	0.50	3.00	2	2	1/ 1/ 1	SELECT UTC.COLUMN_NAME, UTC.DA...
f0jxh8d6b5af2			0.00	1.19	0.00		0		92		0.18		85		36.50		0.00		2	/ 1/ 1	/* OracleOEM */ select a.captu...
6v7n0y2bq89n8	0.00	0.02	0.00	1.20	0.00	0	0	3	1	2.24	21.56	2	1	0.38	0.18	1.00	1.00	240	240		BEGIN EMDW_LOG.set_context(MGM...
5ms6rbzdnq16t	0.00	0.02			-0.00	0		4		1.12		2		1.06		0.08		120		1// 1	select job, nvl2(last_date, 1,...
crpbwajvn27ba			0.00	1.20	0.00		0		3,371		0.09		3,157		6.00		1.00		1		begin for i in 1..100000 loop ...
157t5gpvwmud7			0.00	1.20	0.00		0		0		8,983.58		0		0.00		0.00		100,000	/ 1/ 1	DELETE FROM T WHERE DUMMY=TO_C...
d5xxfquffwpxh	0.00	0.02	0.00	1.20	0.00	0	0	20	18	0.45	7.19	15	16	0.02	0.06	14.00	14.00	48	80	1/ 1/ 1	select end_time, wait_class#, ...
fjvwzpxbpch0h			0.00	1.20	0.00		0		120		0.18		109		4.50		0.00		2	/ 1/ 1	/* OracleOEM */ select capture...
2b064ybzkwf1y	0.00	0.02	0.00	1.21	-0.00	0	0	43	8	0.19	1.80	25	9	8.30	0.35	0.00	0.00	20	20		BEGIN EMD_NOTIFICATION.QUEUE_R...
frvryd3rr8faq	0.00	0.02			-0.00	0		82,972		0.01		74,261		6.00		1.00		1			begin for i in 1..100000 loop ...
fndjrj10u6q7d	0.00	0.02			-0.00	0		318		0.02		176		5.00		532.00		2		1// 1	select end_time, wait_class#, ...
48sb36jvxc8zj	0.00	0.02			-0.00	0		0		935.18		0		0.00		1.00		100,000		1// 1	SELECT /* OPT_DYN_SAMP */ /*+ ...

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Top SQL Comparison by Buffer Gets

- **Ordered by absolute value of 'Diff' column of '% Total Gets' descending**
- **'#Plans' column indicates the number of distinct execution plans for the statement in 1st and 2nd periods and in Both periods combined**

- **'1st Total' and '2nd Total' show respective running totals for '1st' and '2nd' columns of '% Total Gets'**
- **Total SQL Buffer Gets First: 931,944, Second: 395,637**
- **Captured SQL Buffer Gets First: 486,864, Second: 335,260**
- **Captured SQL % of Total Buffer Gets First: 52.24%, Second: 84.74%**
- **Common SQL % of Total Buffer Gets First: 8.04%, Second: 6.01%**

	% Total Gets					Gets per Exec		#Executions		Exec Time (ms) per Exec		CPU Time (ms) per Exec		I/O Time (ms) per Exec		Physical Reads per Exec		#Rows Processed per Exec		#Plans	
SQL Id	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st/2nd/Both	SQL Text
crpbwajvn27ba			75.84	75.84	75.84		300,034.00		1		3,371		3,157		0		6.00		1.00		begin for i in 1..100000 loop ...
157t5gpvwmud7			75.83	151.67	75.83		3.00		100,000		0		0		0		0.00		0.00	/ 1/ 1	DELETE FROM T WHERE DUMMY=TO_C...
frvryd3rr8fag	75.12	75.12			-75.12	700,033.00		1		82,972		74,261		0		6.00		1.00			begin for i in 1..100000 loop ...
48sb36jvxc8zj	32.19	107.31			-32.19	3.00		100,000		0		0		0		0.00		1.00		1// 1	SELECT /* OPT_DYN_SAMP */ /*+ ...
6gvch1xu9ca3g	2.75	110.05	6.62	158.29	3.88	4,268.50	2,620.50	6	10	230	94	156	66	2	13	131.83	69.90	1.00	1.00		DECLARE job BINARY_INTEGER := ...
6ajkhukk78nsr			2.29	160.58	2.29		9,053.00		1		366		331		5		278.00		1.00		begin prvt_hdm.auto_execute(:...
32hbap2vtmf53	1.71	111.76			-1.71	10.29		1,544		0		0		0		0.09		4.07		1// 1	select position#, sequence#, l...
53saa2zkr6wc3	1.57	113.33			-1.57	4.42		3,314		0		0		0		0.01		1.21		2// 2	select intcol#, nvl(pos#, 0), ...
3ktacv9r56b51	1.26	114.59			-1.26	16.46		714		0		0		0		0.59		6.46		1// 1	select owner#, name, namespace...
8swypbbr0m372	1.21	115.80			-1.21	15.83		714		0		0		0		0.30		6.71		1// 1	select order#, columns, types ...
3c1kubcdjnppq			1.04	161.61	1.04		3.42		1,199		0		0		0		0.03		1.00	/ 1/ 1	update sys.col_usage$ set equa...
6v7n0y2bq89n8	1.23	117.03	0.46	162.07	-0.77	47.77	7.55	240	240	3	1	2	1	0	0	0.38	0.18	1.00	1.00		BEGIN EMDW_LOG.set_context(MGM...
2b064ybzkwf1y	1.22	118.25	0.47	162.54	-0.75	567.30	93.35	20	20	43	8	25	9	0	0	8.30	0.35	0.00	0.00		BEGIN EMD_NOTIFICATION.QUEUE_R...
5n1fs4m2n2y0r	1.00	119.25	0.59	163.14	-0.41	6.03	6.76	1,548	346	0	0	0	0	0	0	0.01	0.00	1.99	2.38	1/ 1/ 1	select pos#, intcol#, col#, sp...
96q93hntrzjtr	2.17	121.42	1.96	165.10	-0.21	2.76	2.68	7,323	2,893	0	0	0	0	0	0	0.03	0.03	0.74	0.62	1/ 1/ 1	select /*+ rule */ bucket_cnt,...
3am9cfkvx7gq1	0.32	121.74	0.46	165.56	0.15	328.00	204.33	9	9	50	17	28	16	1	0	22.44	16.67	0.00	0.00		CALL MGMT_ADMIN_D

																				ATA.EVALUATE_...
gx4mv66pvj3xz	0.85	122.59	0.72	166.28	-0.14	9.12	9.87	873	287	0	0	0	0	0	0	0.01	0.01	3.80	3.93	2/ 2/ 2	select con#, type#, condlength...

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Top SQL Comparison by Physical Reads

- **Ordered by 'Diff' column of '% Total Physical Reads' descending**
- **'#Plans' column indicates the number of distinct execution plans for the statement in 1st and 2nd periods and in Both periods, combined**
- **'1st Total' and '2nd Total' show respective running totals for '1st' and '2nd' columns of '% Total Physical Reads'**
- **User I/O Class Wait Time as a % of DB time First: 2.25%, Second: 3.64%**
- **Physical Reads First: 7,757, Second: 2,909**
- **Captured SQL Physical Reads First: 4,980, Second: 676**
- **Captured SQL % of Total Physical Reads First: 64.2%, Second: 23.24%**
- **Common SQL % of Total Physical Reads First: 16.11%, Second: 14.51%**

	% Total Physical Reads					Physical Reads per Exec		#Executions		Exec Time (ms) per Exec		CPU Time (ms) per Exec		I/O Time (ms) per Exec		#Rows Processed per Exec		#Plans	
SQL Id	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st/2nd/Both	SQL Text
cvn54b7yz0s8u	16.32	16.32			-16.32	2.05		619		1		0		0		2.21		1// 1	select /*+ index(idl_ub1$ i_id...
6gvch1xu9ca3g	10.20	26.52	24.03	24.03	13.83	131.83	69.90	6	10	230	94	156	66	2	13	1.00	1.00		DECLARE job BINARY_INTEGER := ...
6ajkhukk78nsr			9.56	33.59	9.56		278.00		1		366		331		5		1.00		begin prvt_hdm.auto_execute(:...
39m4sx9k63ba2	7.25	33.76			-7.25	0.91		619		0		0		0		2.82		1// 1	select /*+ index(idl_ub2$ i_id...
3ktacv9r56b51	5.40	39.16			-5.40	0.59		714		0		0		0		6.46		1// 1	select owner#, name, namespace...
3nkd3g3ju5ph1	2.89	42.05			-2.89	0.10		2,244		0		0		0		0.94		1// 1	select obj#, type#, ctime, mti...
ga9j9xk5cy9s0	2.78	44.84			-2.78	0.35		619		0		0		0		1.44		1// 1	select /*+ index(idl_sb4$ i_id...
8swypbbr0m372	2.72	47.56			-2.72	0.30		714		0		0		0		6.71		1// 1	select order#, columns, types ...
3am9cfkvx7gq1	2.60	50.16	5.16	38.74	2.55	22.44	16.67	9	9	50	17	28	16	1	0	0.00	0.00		CALL MGMT_ADMIN_DATA.EVALUATE_...
f0jxh8d6b			2.5	41.2	2.5		36.5		2		92		85		0		0.0	/ 1/ 1	/* OracleOEM */ select

5af2			1	5	1		0								0			a.captu...
db78fxqxwxt7r	4.52	54.69	2.34	43.59	-2.19	0.23	0.37	1,532	183	0	0	0	0	0	0	14.65	14.66	1/ 1/ 1	select /*+ rule */ bucket, end...
7jpc15g8hms4w			1.68	45.27	1.68		24.50		2		435		402		0		1.00		BEGIN EMD_LOADER.GET_TABLE_OBJ...
96g93hntrzjtr	2.60	57.29	3.03	48.30	0.42	0.03	0.03	7,323	2,893	0	0	0	0	0	0	0.74	0.62	1/ 1/ 1	select /*+ rule */ bucket_cnt,...
7ng34ruy5awxg	1.75	59.04	1.93	50.22	0.17	0.15	0.24	915	229	0	0	0	0	0	0	1.69	1.51	1/ 1/ 1	select i.obj#, i.ts#, i.file#,...
83taa7kaw59c1	1.35	60.40	1.51	51.74	0.16	0.09	0.14	1,148	309	0	0	0	0	0	0	13.97	15.49	1/ 1/ 1	select name, intcol#, segcol#,...
1gu8t96d0bdmu	1.88	62.28	1.99	53.73	0.11	0.28	0.36	526	160	0	0	0	0	0	0	1.00	1.00	1/ 1/ 1	select t.ts#, t.file#, t.block...

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Top SQL Comparison by UnOptimized Read Requests

- **Ordered by 'Diff' column of '% Total UnOptimized Read Requests descending**
- **'%Optimized Reads' shows percentage of read requests for the statement that were optimized in 1st and 2nd periods**
- **'#Plans' column indicates the number of distinct execution plans for the statement in 1st and 2nd periods and in Both periods, combined**
- **'1st Total' and '2nd Total' show respective running totals for '1st' and '2nd' columns of '% Total UnOptimized Read Requests'**
- **User I/O Class Wait Time as a % of DB time First: 2.25%, Second: 3.64%**
- **Physical Read Requests First: 7,016, Second: 2,764**
- **Captured SQL Physical Read Requests First: 4,584, Second: 698**
- **Captured SQL %of Total Physical Read Requests First: 65.34%, Second: 25.25%**
- **Common SQL % of Total Physical Read Requests First: 17.33%, Second: 14.69%**
- **UnOptimized Read Requests First: 7,016, Second: 2,764**
- **Captured SQL UnOptimized Read Requests First: 4,584, Second: 698**
- **Captured SQL % of Total UnOptimized Read Reqs First: 65.34%, Second: 25.25%**
- **Common SQL % of Total UnOptimized Read Reqs First: 17.33%, Second: 14.69%**
- **Optimized Read Requests First: 1, Second: 1**
- **Captured SQL Optimized Read Requests First: 0, Second: 0**
- **Captured SQL % of Total Optimized Read Reqs First: 0%, Second: 0%**
- **Common SQL % of Total Optimized Read Reqas First: 0%, Second: 0%**

	% Total UnOptimized Read Requests					Read Requests per Exec		Total Read Requests		%Optimized Reads		#Executions		Exec Time (ms) per Exec		CPU Time (ms) per Exec		I/O Time (ms) per Exec		#Rows Processed per Exec		#Plans	
SQL Id	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st/2nd/Both	SQL Text
cvn54b7yz0s8u	15.39	15.39			-15.39	1.74		1,080		0.00		619		1		0		0		2.21		1// 1	select /*+ index(idl_ub1$ i_id...
6gvch1x	9.9	25.	22.	22.	12.	116	61.	70	61	0.0	0.0	6	10	23	94	15	66	2	13	1.0	1.0		DECLARE job

u9ca3g	9	38	29	29	30	.83	60	1	6	0	0			0		6				0	0		BINARY_INTEGER := ...
6ajkhukk78nsr			9.23	31.51	9.23		255.00		255		0.00		1		366		331		5		1.00		begin prvt_hdm.auto_execute(:...
39m4sx9k63ba2	7.87	33.25			-7.87	0.89		552		0.00		619		0		0		0		2.82		1// 1	select /*+ index(idl_ub2$ i_id...
3ktacv9r56b51	5.67	38.93			-5.67	0.56		398		0.00		714		0		0		0		6.46		1// 1	select owner#, name, namespace...
3nkd3g3ju5ph1	3.19	42.12			-3.19	0.10		224		0.00		2,244		0		0		0		0.94		1// 1	select obj#, type#, ctime, mti...
8swypbbr0m372	2.92	45.04			-2.92	0.29		205		0.00		714		0		0		0		6.71		1// 1	select order#, columns, types ...
ga9j9xk5cy9s0	2.85	47.89			-2.85	0.32		200		0.00		619		0		0		0		1.44		1// 1	select /*+ index(idl_sb4$ i_id...
f0jxh8d6b5af2			2.64	34.15	2.64		36.50		73		0.00		2		92		85		0		0.00	/ 1/ 1	/* OracleOEM */ select a.captu...
db78fxqxwxt7r	5.00	52.89	2.46	36.61	-2.54	0.23	0.37	351	68	0.00	0.00	1,532	183	0	0	0	0	0	0	14.65	14.66	1/ 1/ 1	select /*+ rule */ bucket, end...
7jpc15q8hms4w			1.77	38.39	1.77		24.50		49		0.00		2		435		402		0		1.00		BEGIN EMD_LOADER.GET_TABLE_OBJ...
3am9cfkvx7gq1	1.71	54.60	2.64	41.03	0.93	13.33	8.11	120	73	0.00	0.00	9	9	50	17	28	16	1	0	0.00	0.00		CALL MGMT_ADMIN_DATA.EVALUATE_...
96g93hntrzjtr	2.88	57.48	3.18	44.21	0.30	0.03	0.03	202	88	0.00	0.00	7,323	2,893	0	0	0	0	0	0	0.74	0.62	1/ 1/ 1	select /*+ rule */ bucket_cnt,...
83taa7kaw59c1	1.47	58.95	1.59	45.80	0.12	0.09	0.14	103	44	0.00	0.00	1,148	309	0	0	0	0	0	0	13.97	15.49	1/ 1/ 1	select name, intcol#, segcol#,...
7ng34ruy5awxq	1.94	60.89	2.03	47.83	0.09	0.15	0.24	136	56	0.00	0.00	915	229	0	0	0	0	0	0	1.69	1.51	1/ 1/ 1	select i.obj#, i.ts#, i.file#,...
1gu8t96d0bdmu	2.08	62.97	2.10	49.93	0.02	0.28	0.36	146	58	0.00	0.00	526	160	0	0	0	0	0	0	1.00	1.00	1/ 1/ 1	select t.ts#, t.file#, t.block...

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Top SQL Comparison by Executions

- **Ordered by 'Diff' column of '#Executions/sec (DB time)' descending**
- **'#Plans' column indicates the number of distinct execution plans for the statement in 1st and 2nd periods and in Both periods, combined**
- **Captured SQL Executions First: 131,122, Second: 108,977**
- **Captured SQL Elapsed Time First: 20.99 seconds, Second: 6.62 seconds**
- **Captured SQL Elapsed Time as a % of DB time First: 19.63%, Second: 59.45%**
- **Captured SQL Executions as a % of Total Executions First: 54.09%, Second: 92.93%**
- **Common SQL Executions as a % of Total Executions First: 7.55%, Second: 5.52%**

#Executions/sec (DB time)	#Executions	Exec Time (ms)	CPU Time (ms)	I/O Time (ms)	Physical Reads	#Rows Processed per	#Plan

						per Exec		per Exec		per Exec		per Exec		Exec			
SQL Id	1st	2nd	Diff	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st/2nd/Both	SQL Text
157t5gpvwmud7		8,983.58	8,983.58		100,000		0		0		0		0.00		0.00	/ 1/ 1	DELETE FROM T WHERE DUMMY=TO_C...
48sb36jvxc8zj	935.18		-935.18	100,000		0		0		0		0.00		1.00		1// 1	SELECT /* OPT_DYN_SAMP */ /*+ ...
96g93hntrzjtr	68.48	259.89	191.41	7,323	2,893	0	0	0	0	0	0	0.03	0.03	0.74	0.62	1/ 1/ 1	select /*+ rule */ bucket_cnt,...
3c1kubcdjnppq		107.71	107.71		1,199		0		0		0		0.03		1.00	/ 1/ 1	update sys.col_usage$ set equa...
8t43xdhf4d9x2		47.61	47.61		530		0		0		0		0.00		1.00	/ 1/ 1	SELECT CONTEXT_TYPE_ID, CONTEX...
b2qnxm5z6r51n		35.66	35.66		397		0		0		0		0.01		0.00		lock table sys.col_usage$ in e...
53saa2zkr6wc3	30.99		-30.99	3,314		0		0		0		0.01		1.21		2// 2	select intcol#, nvl(pos#, 0), ...
3nkd3g3ju5ph1	20.99		-20.99	2,244		0		0		0		0.10		0.94		1// 1	select obj#, type#, ctime, mti...
gx4mv66pvj3xz	8.16	25.78	17.62	873	287	0	0	0	0	0	0	0.01	0.01	3.80	3.93	2/ 2/ 2	select con#, type#, condlength...
83taa7kaw59c1	10.74	27.76	17.02	1,148	309	0	0	0	0	0	0	0.09	0.14	13.97	15.49	1/ 1/ 1	select name, intcol#, segcol#,...
2g93zsrvbdw48	7.52	24.53	17.01	804	273	0	0	0	0	0	0	0.01	0.00	0.26	0.23	1/ 1/ 1	select grantee#, privilege#, n...
6aq34nj2zb2n7	7.45	24.44	16.98	797	272	0	0	0	0	0	0	0.02	0.01	0.00	0.00	1/ 1/ 1	select col#, grantee#, privile...
5n1fs4m2n2y0r	14.48	31.08	16.61	1,548	346	0	0	0	0	0	0	0.01	0.00	1.99	2.38	1/ 1/ 1	select pos#, intcol#, col#, sp...
32hbap2vtmf53	14.44		-14.44	1,544		0		0		0		0.09		4.07		1// 1	select position#, sequence#, l...
7ng34ruy5awxg	8.56	20.57	12.02	915	229	0	0	0	0	0	0	0.15	0.24	1.69	1.51	1/ 1/ 1	select i.obj#, i.ts#, i.file#,...
3w4qs0tbpmxr6	8.16		-8.16	873		0		0		0		0.02		0.24		1// 1	select con#, obj#, rcon#, enab...
db78fxqxwxt7r	14.33	16.44	2.11	1,532	183	0	0	0	0	0	0	0.23	0.37	14.65	14.66	1/ 1/ 1	select /*+ rule */ bucket, end...

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Top SQL Comparison by Parse Calls

- **Ordered by absolute value of 'Diff' column of '% Total Parses' descending**

- '#Plans' column indicates the number of distinct execution plans for the statement in 1st and 2nd periods and in Both periods, combined
- '1st Total' and '2nd Total' show respective running totals for '1st' and '2nd' columns of '% Total Parses'
- Total Parse Time as a % of DB time First: 83.22%, Second: 28.18%
- Total Parses First: 104,288, Second: 2,581
- Captured SQL Parses First: 1,147, Second: 1,304
- Captured SQL Parses % of Total Parses First: 1.1%, Second: 50.52%
- Common SQL Parses % of Total Parses First: .6%, Second: 10.03%

	% Total Parses					Parses		#Executions		#Plans	
SQL Id	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	1st	2nd	1st/2nd/Both	SQL Text
b2gnxm5z6r51n			15.38	15.38	15.38		397		397		lock table sys.col_usage$ in e...
0v3dvmc22qnam			14.03	29.41	14.03		362		2		insert into sys.col_usage$ (ob...
350f5yrnnmshs			4.84	34.25	4.84		125		125		lock table sys.mon_mods$ in ex...
0k8522rmdzg4k			0.70	34.95	0.70		18		18	/ 1/ 1	select privilege# from sysauth...
cm5vu20fhtnq1	0.02	0.02	0.70	35.65	0.67	25	18	207	248	1/ 1/ 1	select /*+ connect_by_filterin...
83taa7kaw59c1	0.03	0.05	0.54	36.19	0.52	28	14	1,148	309	1/ 1/ 1	select name, intcol#, segcol#,...
08bqjmf8490s2			0.50	36.69	0.50		13		33	/ 1/ 1	SELECT PARAMETER_VALUE FROM MG...
18naypzfmabd6			0.50	37.19	0.50		13		48		INSERT INTO MGMT_SYSTEM_PERFOR...
1gu8t96d0bdmu	0.02	0.07	0.50	37.70	0.48	23	13	526	160	1/ 1/ 1	select t.ts#, t.file#, t.block...
0fr8zhn4ymu3v	0.03	0.10	0.50	38.20	0.47	32	13	220	74	1/ 1/ 1	select intcol#, type, flags, l...
db78fxqxwxt7r	0.03	0.14	0.50	38.71	0.47	33	13	1,532	183	1/ 1/ 1	select /*+ rule */ bucket, end...
qrwydz59pu6mc	0.03	0.17	0.50	39.21	0.47	33	13	533	228	1/ 1/ 1	select text from view$ where r...
6qz82dptj0qr7	0.03	0.20	0.50	39.71	0.47	35	13	220	74	1/ 1/ 1	select l.col#, l.intcol#, l.lo...
2q93zsrvbdw48	0.03	0.23	0.43	40.14	0.40	32	11	804	273	1/ 1/ 1	select grantee#, privilege#, n...
gx4mv66pvj3xz	0.03	0.26	0.31	40.45	0.28	34	8	873	287	2/ 2/ 2	select con#, type#, condlength...
53saa2zkr6wc3	0.03	0.30			-0.03	35		3,314		2// 2	select intcol#, nvl(pos#, 0), ...
3ktacv9r56b51	0.03	0.33			-0.03	34		714		1// 1	select owner#, name, namespace...
3w4qs0tbpmxr6	0.03	0.36			-0.03	34		873		1// 1	select con#, obj#, rcon#, enab...
8swypbbr0m372	0.03	0.40			-0.03	34		714		1// 1	select order#, columns, types ...

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Top SQL Comparison by Sharable Memory

- SQL Statements appearing in the End Snapshot are compared
- 'Sharable Memory Used' is computed for the End Snapshot
- 'Sharble Memory Max' is computed for the whole interval
- Ordered by absolute value of 'Diff' column of '% Total Sharable Memory' descending
- '1st Total' and '2nd Total' show respective running totals for '1st' and '2nd' columns of '% Total Sharable Memory'
- Shared Pool at End Snapshot First: 150,994,944, Second: 150,994,944

	% Total Sharable Memory					Sharable Memory Used		Sharable Memory Max		#Executions		
SQL Id	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	1st	2nd	1st	2nd	SQL Text
fjvwzpxbpch0h			0.33	0.33	0.33		501,27		501,27		2	/* OracleOEM */ select

							1		1			capture...
a5pyncg7v0bw3			0.19	0.52	0.19		287,769		287,769		2	/* OracleOEM */ SELECT PROPAGA...
9juw6s4yy5pzp			0.19	0.71	0.19		283,625		283,625		2	/* OracleOEM */ SELECT SUM(bro...
7wt7phk4xns75			0.15	0.86	0.15		227,190		227,190		2	select a.capture_name streams_...
f0jxh8d6b5af2			0.14	1.00	0.14		214,787		214,787		2	/* OracleOEM */ select a.captu...
6k5agh28pr3wp			0.12	1.12	0.12		182,245		182,245		2	select propagation_name stream...
9d5f4n226tduk			0.12	1.24	0.12		178,372		178,372		2	/* OracleOEM */ select r.apply...
4j15qzcw47wuk			0.12	1.36	0.12		178,318		178,318		2	/* OracleOEM */ select r.apply...
b2u9kspucpqwy			0.11	1.47	0.11		161,793		161,793		2	SELECT COUNT(*) FROM SYS.DBA_P...
cp5caasd2udnw	0.07	0.07	0.01	1.48	-0.06	112,774	15,006	112,774	15,006	15	3	/* OracleOEM */ SELECT TO_CHAR...
7k6zct1sya530	0.09	0.16	0.09	1.57	-0.00	134,725	134,701	134,725	134,701	1	1	insert into WRH$_STREAMS_APPLY...
3d0537zmn35rz	0.07	0.23	0.07	1.63	0.00	99,949	99,965	99,949	99,965	1	1	insert into wrh$_sess_time_sta...
5ax0q1md1w99p	0.09	0.32	0.09	1.72	0.00	129,472	129,488	129,472	129,488	1	1	select s.inst_id, s.addr, s.in...
gcnf7vvsyq6w3	0.08	0.40	0.08	1.80	0.00	126,505	126,513	126,505	126,513	1	1	select SADDR , SID , SERIAL# ,...
1cq3qr774cu45	0.08	0.48	0.08	1.88	0.00	122,445	122,445	122,445	122,445	1	1	insert into WRH$_IOSTAT_FILETY...
4jrfrtx4u6zcx	0.09	0.57	0.09	1.97	0.00	132,480	132,480	132,480	132,480	10	10	SELECT TASK_TGT.TARGET_GUID TA...
5fk0v8km2f811	0.18	0.75	0.18	2.15	0.00	275,703	275,703	275,703	275,703	2	4	select propagation_name, 'BUFF...
6xwzs8m2xpx6m	0.08	0.83	0.08	2.23	0.00	113,569	113,569	113,569	113,569	1	1	SELECT FILE_NO, FILETYPE_ID, F...
amd5hyc0by138	0.07	0.90	0.07	2.30	0.00	106,159	106,159	106,159	106,159	1	1	SELECT k.inst_id, k.FILENO_KSF...

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Top SQL Comparison by Version Count

- **SQL Statements appearing in the End Snapshot are compared**
- **'Version Count' is computed for the End Snapshot**
- **'Version Count Max' is computed for the whole interval**
- **Ordered by absolute value of 'Diff' column of 'Version Count' descending**

	Version Count			Version Count Max		#Executions		
SQL Id	1st	2nd	Diff	1st	2nd	1st	2nd	SQL Text
0k8522rmdzg4k		6	6		6		18	select privilege# from sysauth...
53saa2zkr6wc3	6		-6	6		3,314		select intcol#, nvl(pos#, 0), ...
1mjd9xp80vuqa	5		-5	5		140		select node, owner, name from ...
2tkw12w5k68vd	5		-5	5		77		select user#, password, datats...

3ktacv9r56b51	5		-5	5		714		select owner#, name, namespace...
13x1kjfndn2ub		4	4		4		3	SELECT METRIC_GUID FROM MGMT_M...
6dthwhyzv39pc	8	4	-4	8	4	5	3	SELECT TGT.TARGET_GUID, TO_DAT...
47r1y8yn34jmj	3	4	1	3	4	3	3	select default$ from col$ wher...
05sghzkq6r6yv	6	6	0	6	6	6	1	select ts#, file#, block#, col...
0fr8zhn4ymu3v	4	4	0	4	4	220	74	select intcol#, type, flags, l...
32bhha21dkv0v	4	4	0	4	4	220	74	select col#, intcol#, charseti...
3q7sxtj9d6zd3	5	5	0	5	5	25	1	select privilege#, nvl(col#, 0...
ab5btgh76akb6	7	7	0	7	7	10	10	delete from "SYSMAN"."MGMT_JO...
bd4bznqbq73hk	9	9	0	9	9	19	3	select bo#, intcol# from icold...
gx4mv66pvj3xz	6	6	0	6	6	873	287	select con#, type#, condlength...

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Top SQL Comparison by Cluster Wait Time

- **Ordered by absolute value of 'Diff' column of '% Total Cluster Wait' descending**
- **'#Plans' column indicates the number of distinct execution plans for the statement in 1st and 2nd periods and in Both periods, combined**
- **'1st Total' and '2nd Total' show respective running totals for '1st' and '2nd' columns of '% Total Cluster Wait'**
- **DB time First: 106.93 seconds, Second: 11.13 seconds**
- **Cluster Wait Time First: 0.00 seconds, Second: 0.00 seconds**
- **Cluster Wait Time as a % of DB time First: %, Second: %**

	% Total Cluster Wait					Cluster Wait Time (sec)		Cluster Wait Time per Exec (sec)		#Executions		#Plans	
SQL Id	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	1st	2nd	1st	2nd	1st/2nd/Both	SQL Text
04td0fvwdyqwt	0.00	0.00			0.00	0.00		0.00		1		1// 1	insert into WRH$_PERSISTENT_SU...
05sghzkq6r6yv	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	1	1/ 1/ 1	select ts#, file#, block#, col...
05tfr3xvv1nfw	0.00	0.00			0.00	0.00		0.00		1			begin execute immediate 'alter...
05xcf43d9psvm			0.00	0.00	0.00		0.00		0.00		2	/ 1/ 1	SELECT NVL(SUM(FAILURES), 0) F...
08bqjmf8490s2			0.00	0.00	0.00		0.00		0.00		33	/ 1/ 1	SELECT PARAMETER_VALUE FROM MG...
0fr8zhn4ymu3v	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	220	74	1/ 1/ 1	select intcol#, type, flags, l...
0k8522rmdzg4k			0.00	0.00	0.00		0.00		0.00		18	/ 1/ 1	select privilege# from sysauth...
0kuqqq48477gf			0.00	0.00	0.00		0.00		0.00		1	/ 1/ 1	select distinct(-privilege#), ...
0v3dvmc22qnam			0.00	0.00	0.00		0.00		0.00		2		insert into sys.col_usage$ (ob...
0xqn4sx1ytghr	0.00	0.00			0.00	0.00		0.00		6		1// 1	select /*+ first_rows(1) no_ex...
0z0294g9y8uyq			0.00	0.00	0.00		0.00		0.00		2	/ 1/ 1	SELECT UTC.COLUMN_NAME, UTC.DA...

11736fkk95kp8			0.00	0.00	0.00		0.00		0.00		3	/ 1/ 1	SELECT DECODE(s.message_nlsid,...
12xttzc893c2g	0.00	0.00			0.00	0.00		0.00		1		1// 1	insert into WRH$_RSRC_CONSUMER...
13x1kjfndn2ub			0.00	0.00	0.00		0.00		0.00		3	/ 1/ 1	SELECT METRIC_GUID FROM MGMT_M...
1583aypkbc97m	0.00	0.00			0.00	0.00		0.00		5			BEGIN EMD_LOADER.END_UPLOAD(: 1...
1cq3qr774cu45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	1	1/ 1/ 1	insert into WRH$_IOSTAT_FILETY...
1gu8t96d0bdmu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	526	160	1/ 1/ 1	select t.ts#, t.file#, t.block...
1mjd9xp80vuqa	0.00	0.00			0.00	0.00		0.00		140		1// 1	select node, owner, name from ...

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Instance Activity Statistics

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Key Instance Activity Stats

- **Ordered by statistic name**

	Value			per Second (DB time)			per Second (Elapsed Time)			per Trans		
Statistic	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff
db block changes	9,479	20,744	*118.84*	88.65	1,863.55	*2,002.14*	15.78	34.55	*118.95*	48.61	108.61	*123.43*
execute count	242,401	117,263	*-51.62*	2,266.88	10,534.41	*364.71*	403.59	195.30	*-51.61*	1,243.08	613.94	*-50.61*
logons cumulative	54	42	*-22.22*	0.50	3.77	*654.00*	0.09	0.07	*-22.22*	0.28	0.22	*-21.43*
opened cursors cumulative	237,447	115,310	*-51.44*	2,220.55	10,358.96	*366.50*	395.34	192.05	*-51.42*	1,217.68	603.72	*-50.42*
parse count (total)	104,288	2,581	*-97.53*	975.28	231.87	*-76.23*	173.64	4.30	*-97.52*	534.81	13.51	*-97.47*
parse time elapsed	8,449	222	*-97.37*	79.01	19.94	*-74.76*	14.07	0.37	*-97.37*	43.33	1.16	*-97.32*
physical reads	7,757	2,909	*-62.50*	72.54	261.33	*260.26*	12.92	4.84	*-62.54*	39.78	15.23	*-61.71*
physical writes	1,035	964	*-6.86*	9.68	86.60	*794.63*	1.72	1.61	*-6.40*	5.31	5.05	*-4.90*
redo size	2,172,480	4,197,016	*93.19*	20,316.56	377,042.21	*1,755.84*	3,617.12	6,990.17	*93.25*	11,140.92	21,973.91	*97.24*
session logical reads	931,944	395,637	*-57.55*	8,715.34	35,542.36	*307.81*	1,551.66	658.94	*-57.53*	4,779.20	2,071.40	*-56.66*
user calls	3,541	2,421	*-31.63*	33.11	217.49	*556.87*	5.90	4.03	*-31.69*	18.16	12.68	*-30.18*
user	193	191	*-1.04*	1.80	17.16	*853.33*	0.32	0.32	*0.00*	0.99	1.00	*1.01*

commits												
workarea executions - optimal	6,998	2,378	*-66.02*	65.44	213.63	*226.45*	11.65	3.96	*-66.01*	35.89	12.45	*-65.31*

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Other Instance Activity Stats

- **Ordered by statistic name**

	Value			per Second (DB time)			per Second (Elapsed Time)			per Trans		
Statistic	**1st**	**2nd**	**%Diff**	**1st**	**2nd**	**%Diff**	**1st**	**2nd**	**%Diff**	**1st**	**2nd**	**%Diff**
Batched IO (bound) vector count	6	4	*-33.33*	0.06	0.36	*500.00*	0.01	0.01	*0.00*	0.03	0.02	*-33.33*
Batched IO block miss count	89	98	*10.11*	0.83	8.80	*960.24*	0.15	0.16	*6.67*	0.46	0.51	*10.87*
Batched IO double miss count	4	3	*-25.00*	0.04	0.27	*575.00*	0.01	0.00	*-100.00*	0.02	0.02	*0.00*
Batched IO same unit count	40	51	*27.50*	0.37	4.58	*1,137.84*	0.07	0.08	*14.29*	0.21	0.27	*28.57*
Batched IO single block count	3	1	*-66.67*	0.03	0.09	*200.00*	0.00	0.00	*0.00*	0.02	0.01	*-50.00*
Batched IO vector block count	44	46	*4.55*	0.41	4.13	*907.32*	0.07	0.08	*14.29*	0.23	0.24	*4.35*
Batched IO vector read count	7	4	*-42.86*	0.07	0.36	*414.29*	0.01	0.01	*0.00*	0.04	0.02	*-50.00*
Block Cleanout Optim referenced	9	2	*-77.78*	0.08	0.18	*125.00*	0.01	0.00	*-100.00*	0.05	0.01	*-80.00*
CCursor + sql area evicted	49	18	*-63.27*	0.46	1.62	*252.17*	0.08	0.03	*-62.50*	0.25	0.09	*-64.00*
CPU used by this session	9,120	1,096	*-87.98*	85.29	98.46	*15.44*	15.18	1.83	*-87.94*	46.77	5.74	*-87.73*
CPU used when call started	1,414	8,057	*469.80*	13.22	723.81	*5,375.11*	2.35	13.42	*471.06*	7.25	42.18	*481.79*
CR blocks created	24	24	*0.00*	0.22	2.16	*881.82*	0.04	0.04	*0.00*	0.12	0.13	*8.33*

DBWR checkpoint buffers written	76	221	*190.79*	0.71	19.85	*2,695.77*	0.13	0.37	*184.62*	0.39	1.16	*197.44*
DBWR transaction table writes	18	16	*-11.11*	0.17	1.44	*747.06*	0.03	0.03	*0.00*	0.09	0.08	*-11.11*
DBWR undo block writes	170	281	*65.29*	1.59	25.24	*1,487.42*	0.28	0.47	*67.86*	0.87	1.47	*68.97*
HSC Heap Segment Block Changes	1,531	3,397	*121.88*	14.32	305.17	*2,031.08*	2.55	5.66	*121.96*	7.85	17.79	*126.62*
Heap Segment Array Inserts	121	95	*-21.49*	1.13	8.53	*654.87*	0.20	0.16	*-20.00*	0.62	0.50	*-19.35*
Heap Segment Array Updates	65	12	*-81.54*	0.61	1.08	*77.05*	0.11	0.02	*-81.82*	0.33	0.06	*-81.82*
IMU CR rollbacks	16	19	*18.75*	0.15	1.71	*1,040.00*	0.03	0.03	*0.00*	0.08	0.10	*25.00*
IMU Flushes	204	200	*-1.96*	1.91	17.97	*840.84*	0.34	0.33	*-2.94*	1.05	1.05	*0.00*
IMU Redo allocation size	401,448	431,540	*7.50*	3,754.25	38,767.73	*932.64*	668.40	718.73	*7.53*	2,058.71	2,259.37	*9.75*
IMU commits	142	141	*-0.70*	1.33	12.67	*852.63*	0.24	0.23	*-4.17*	0.73	0.74	*1.37*
IMU contention	5	3	*-40.00*	0.05	0.27	*440.00*	0.01	0.00	*-100.00*	0.03	0.02	*-33.33*
IMU recursive-transaction flush	1	6	*500.00*	0.01	0.54	*5,300.00*	0.00	0.01	*100.00*	0.01	0.03	*200.00*
IMU undo allocation size	842,456	964,112	*14.44*	7,878.46	86,611.76	*999.35*	1,402.66	1,605.74	*14.48*	4,320.29	5,047.71	*16.84*
Number of read IOs issued	89	11	*-87.64*	0.83	0.99	*19.28*	0.15	0.02	*-86.67*	0.46	0.06	*-86.96*
Requests to/from client	2,718	1,893	*-30.35*	25.42	170.06	*569.00*	4.53	3.15	*-30.46*	13.94	9.91	*-28.91*
RowCR attempts	224	236	*5.36*	2.09	21.20	*914.35*	0.37	0.39	*5.41*	1.15	1.24	*7.83*
RowCR hits	228	236	*3.51*	2.13	21.20	*895.31*	0.38	0.39	*2.63*	1.17	1.24	*5.98*
SQL*Net roundtrips to/from client	2,720	1,892	*-30.44*	25.44	169.97	*568.12*	4.53	3.15	*-30.46*	13.95	9.91	*-28.96*
active txn count during cleanout	51	100	*96.08*	0.48	8.98	*1,770.83*	0.08	0.17	*112.50*	0.26	0.52	*100.00*
backgroun	2,934	2,932	*-0.07*	27.44	263.40	*859.91*	4.89	4.88	*-0.20*	15.05	15.35	*1.99*

d timeouts												
buffer is not pinned count	215,982	72,401	*-66.48*	2,019.82	6,504.20	*222.02*	359.60	120.58	*-66.47*	1,107.60	379.06	*-65.78*
buffer is pinned count	48,947	18,744	*-61.71*	457.74	1,683.88	*267.87*	81.50	31.22	*-61.69*	251.01	98.14	*-60.90*
bytes received via SQL*Net from client	712,836	379,492	*-46.76*	6,666.29	34,091.96	*411.41*	1,186.85	632.05	*-46.75*	3,655.57	1,986.87	*-45.65*
bytes sent via SQL*Net to client	731,979	321,200	*-56.12*	6,845.31	28,855.25	*321.53*	1,218.72	534.96	*-56.10*	3,753.74	1,681.68	*-55.20*
calls to get snapshot scn: kcmgss	251,330	121,208	*-51.77*	2,350.38	10,888.82	*363.28*	418.46	201.87	*-51.76*	1,288.87	634.60	*-50.76*
calls to kcmgas	358	871	*143.30*	3.35	78.25	*2,235.82*	0.60	1.45	*141.67*	1.84	4.56	*147.83*
calls to kcmgcs	501,134	200,868	*-59.92*	4,686.50	18,045.13	*285.04*	834.37	334.55	*-59.90*	2,569.92	1,051.66	*-59.08*
cell physical IO interconnect bytes	98,729,984	51,517,952	*-47.82*	923,301.20	4,628,155.50	*401.26*	164,382.58	85,803.62	*-47.80*	506,307.61	269,727.50	*-46.73*
change write time	13	36	*176.92*	0.12	3.23	*2,591.67*	0.02	0.06	*200.00*	0.07	0.19	*171.43*
cleanout - number of ktugct calls	61	131	*114.75*	0.57	11.77	*1,964.91*	0.10	0.22	*120.00*	0.31	0.69	*122.58*
cleanouts only - consistent read gets	8	27	*237.50*	0.07	2.43	*3,371.43*	0.01	0.04	*300.00*	0.04	0.14	*250.00*
cluster key scan block gets	9,685	1,875	*-80.64*	90.57	168.44	*85.98*	16.13	3.12	*-80.66*	49.67	9.82	*-80.23*
cluster key scans	7,329	1,609	*-78.05*	68.54	144.55	*110.90*	12.20	2.68	*-78.03*	37.58	8.42	*-77.59*
commit cleanout failures: callback failure	4	5	*25.00*	0.04	0.45	*1,025.00*	0.01	0.01	*0.00*	0.02	0.03	*50.00*
commit cleanouts	1,185	1,808	*52.57*	11.08	162.42	*1,365.88*	1.97	3.01	*52.79*	6.08	9.47	*55.76*
commit cleanouts successfully completed	1,180	1,800	*52.54*	11.04	161.70	*1,364.67*	1.96	3.00	*53.06*	6.05	9.42	*55.70*
commit txn count during cleanout	30	74	*146.67*	0.28	6.65	*2,275.00*	0.05	0.12	*140.00*	0.15	0.39	*160.00*
consistent	41	37	*-9.76*	0.38	3.32	*773.68*	0.07	0.06	-	0.21	0.19	-

changes									*14.29*			*9.52*
consistent gets	923,437	378,123	*-59.05*	8,635.78	33,968.98	*293.35*	1,537.50	629.77	*-59.04*	4,735.57	1,979.70	*-58.20*
consistent gets - examination	79,468	30,650	*-61.43*	743.17	2,753.47	*270.50*	132.31	51.05	*-61.42*	407.53	160.47	*-60.62*
consistent gets direct	686	84	*-87.76*	6.42	7.55	*17.60*	1.14	0.14	*-87.72*	3.52	0.44	*-87.50*
consistent gets from cache	922,751	378,039	*-59.03*	8,629.37	33,961.43	*293.56*	1,536.35	629.63	*-59.02*	4,732.06	1,979.26	*-58.17*
consistent gets from cache (fastpath)	831,391	341,660	*-58.91*	7,774.99	30,693.29	*294.77*	1,384.24	569.04	*-58.89*	4,263.54	1,788.80	*-58.04*
cursor authentications	689	187	*-72.86*	6.44	16.80	*160.87*	1.15	0.31	*-73.04*	3.53	0.98	*-72.24*
data blocks consistent reads - undo records applied	26	26	*0.00*	0.24	2.34	*875.00*	0.04	0.04	*0.00*	0.13	0.14	*7.69*
db block gets	8,507	17,514	*105.88*	79.56	1,573.38	*1,877.60*	14.16	29.17	*106.00*	43.63	91.70	*110.18*
db block gets from cache	8,504	17,514	*105.95*	79.53	1,573.38	*1,878.35*	14.16	29.17	*106.00*	43.61	91.70	*110.27*
db block gets from cache (fastpath)	2,589	5,480	*111.66*	24.21	492.30	*1,933.46*	4.31	9.13	*111.83*	13.28	28.69	*116.04*
deferred (CURRENT) block cleanout applications	766	1,028	*34.20*	7.16	92.35	*1,189.80*	1.28	1.71	*33.59*	3.93	5.38	*36.90*
dirty buffers inspected	880	631	*-28.30*	8.23	56.69	*588.82*	1.47	1.05	*-28.57*	4.51	3.30	*-26.83*
enqueue conversions	323	322	*-0.31*	3.02	28.93	*857.95*	0.54	0.54	*0.00*	1.66	1.69	*1.81*
enqueue releases	109,153	7,852	*-92.81*	1,020.77	705.39	*-30.90*	181.74	13.08	*-92.80*	559.76	41.11	*-92.66*
enqueue requests	109,154	7,851	*-92.81*	1,020.78	705.30	*-30.91*	181.74	13.08	*-92.80*	559.76	41.10	*-92.66*
frame signature mismatch	53	4	*-92.45*	0.50	0.36	*-28.00*	0.09	0.01	*-88.89*	0.27	0.02	*-92.59*
free buffer inspected	8,356	3,369	*-59.68*	78.14	302.66	*287.33*	13.91	5.61	*-59.67*	42.85	17.64	*-58.83*
free buffer requested	7,367	3,233	*-56.12*	68.89	290.44	*321.60*	12.27	5.38	*-56.1*	37.78	16.93	*-55.1*

									5			*9*
heap block compress	1	16	*1,500.00*	0.01	1.44	*14,300.00*	0.00	0.03	*100.00*	0.01	0.08	*700.00*
hot buffers moved to head of LRU	3,508	1,198	*-65.85*	32.81	107.62	*228.01*	5.84	2.00	*-65.75*	17.99	6.27	*-65.15*
immediate (CR) block cleanout applications	8	28	*250.00*	0.07	2.52	*3,500.00*	0.01	0.05	*400.00*	0.04	0.15	*275.00*
immediate (CURRENT) block cleanout applications	252	309	*22.62*	2.36	27.76	*1,076.27*	0.42	0.51	*21.43*	1.29	1.62	*25.58*
index crx upgrade (positioned)	920	920	*0.00*	8.60	82.65	*861.05*	1.53	1.53	*0.00*	4.72	4.82	*2.12*
index fast full scans (full)	10	6	*-40.00*	0.09	0.54	*500.00*	0.02	0.01	*-50.00*	0.05	0.03	*-40.00*
index fetch by key	26,892	14,357	*-46.61*	251.49	1,289.77	*412.85*	44.77	23.91	*-46.59*	137.91	75.17	*-45.49*
index scans kdiixs1	43,652	15,319	*-64.91*	408.22	1,376.19	*237.12*	72.68	25.51	*-64.90*	223.86	80.20	*-64.17*
leaf node 90-10 splits	13	12	*-7.69*	0.12	1.08	*800.00*	0.02	0.02	*0.00*	0.07	0.06	*-14.29*
leaf node splits	22	43	*95.45*	0.21	3.86	*1,738.10*	0.04	0.07	*75.00*	0.11	0.23	*109.09*
lob writes	40	5	*-87.50*	0.37	0.45	*21.62*	0.07	0.01	*-85.71*	0.21	0.03	*-85.71*
lob writes unaligned	40	5	*-87.50*	0.37	0.45	*21.62*	0.07	0.01	*-85.71*	0.21	0.03	*-85.71*
logical read bytes from cache	7,628,840,960	3,240,370,176	*-57.52*	71,343,250.75	291,101,188.69	*308.03*	12,701,800.27	5,396,866.14	*-57.51*	39,122,261.33	16,965,288.88	*-56.64*
messages received	1,357	794	*-41.49*	12.69	71.33	*462.10*	2.26	1.32	*-41.59*	6.96	4.16	*-40.23*
messages sent	1,357	794	*-41.49*	12.69	71.33	*462.10*	2.26	1.32	*-41.59*	6.96	4.16	*-40.23*
min active SCN optimization applied on CR	270	14	*-94.81*	2.52	1.26	*-50.00*	0.45	0.02	*-95.56*	1.38	0.07	*-94.93*
no buffer to keep pinned count	59	5	*-91.53*	0.55	0.45	*-18.18*	0.10	0.01	*-90.00*	0.30	0.03	*-90.00*

no work - consistent read gets	336,312	142,613	-57.60	3,145.12	12,811.75	307.35	559.95	237.52	-57.58	1,724.68	746.66	-56.71
non-idle wait count	12,133	6,606	-45.55	113.47	593.46	423.01	20.20	11.00	-45.54	62.22	34.59	-44.41
parse count (describe)	12	12	0.00	0.11	1.08	881.82	0.02	0.02	0.00	0.06	0.06	0.00
parse count (failures)	33	10	-69.70	0.31	0.90	190.32	0.05	0.02	-60.00	0.17	0.05	-70.59
parse count (hard)	102,594	703	-99.31	959.44	63.15	-93.42	170.82	1.17	-99.32	526.12	3.68	-99.30
parse time cpu	7,281	187	-97.43	68.09	16.80	-75.33	12.12	0.31	-97.44	37.34	0.98	-97.38
physical read IO requests	7,016	2,764	-60.60	65.61	248.31	278.46	11.68	4.60	-60.62	35.98	14.47	-59.78
physical read bytes	63,545,344	23,830,528	-62.50	594,262.15	2,140,834.12	260.25	105,801.17	39,689.96	-62.49	325,873.56	124,767.16	-61.71
physical read total IO requests	8,310	3,497	-57.92	77.71	314.16	304.27	13.84	5.82	-57.95	42.62	18.31	-57.04
physical read total bytes	84,620,288	35,807,232	-57.68	791,350.41	3,216,770.69	306.49	140,890.34	59,637.27	-57.67	433,950.19	187,472.42	-56.80
physical reads cache	7,071	2,825	-60.05	66.13	253.79	283.77	11.77	4.71	-59.98	36.26	14.79	-59.21
physical reads cache prefetch	181	114	-37.02	1.69	10.24	505.92	0.30	0.19	-36.67	0.93	0.60	-35.48
physical reads direct	686	84	-87.76	6.42	7.55	17.60	1.14	0.14	-87.72	3.52	0.44	-87.50
physical write IO requests	829	611	-26.30	7.75	54.89	608.26	1.38	1.02	-26.09	4.25	3.20	-24.71
physical write bytes	8,478,720	7,897,088	-6.86	79,291.13	709,441.08	794.73	14,116.82	13,152.67	-6.83	43,480.62	41,346.01	-4.91
physical write total IO requests	1,271	1,493	17.47	11.89	134.12	1,028.01	2.12	2.49	17.45	6.52	7.82	19.94
physical write total bytes	14,109,696	15,710,720	11.35	131,950.79	1,411,384.82	969.63	23,492.24	26,166.35	11.38	72,357.42	82,255.08	13.68
physical write total multi block requests	4	11	175.00	0.04	0.99	2,375.00	0.01	0.02	100.00	0.02	0.06	200.00
physical writes from cache	1,032	964	-6.59	9.65	86.60	797.41	1.72	1.61	-6.40	5.29	5.05	-4.54

physical writes non checkpoint	947	890	-6.02	8.86	79.95	802.37	1.58	1.48	-6.33	4.86	4.66	-4.12
pinned buffers inspected	4	3	-25.00	0.04	0.27	575.00	0.01	0.00	-100.00	0.02	0.02	0.00
recursive calls	881,860	163,159	-81.50	8,246.96	14,657.52	77.73	1,468.27	271.74	-81.49	4,522.36	854.24	-81.11
recursive cpu usage	8,420	734	-91.28	78.74	65.94	-16.26	14.02	1.22	-91.30	43.18	3.84	-91.11
redo blocks checksummed by FG (exclusive)	2,246	3,321	47.86	21.00	298.34	1,320.67	3.74	5.53	47.86	11.52	17.39	50.95
redo blocks written	4,582	8,861	93.39	42.85	796.03	1,757.71	7.63	14.76	93.45	23.50	46.39	97.40
redo entries	3,757	9,221	145.44	35.13	828.38	2,258.04	6.26	15.36	145.37	19.27	48.28	150.54
redo synch long waits	3	1	-66.67	0.03	0.09	200.00	0.00	0.00	0.00	0.02	0.01	-50.00
redo synch time	40	50	25.00	0.37	4.49	1,113.51	0.07	0.08	14.29	0.21	0.26	23.81
redo synch time (usec)	408,013	516,848	26.67	3,815.65	46,431.44	1,116.87	679.33	860.82	26.72	2,092.37	2,706.01	29.33
redo synch writes	89	67	-24.72	0.83	6.02	625.30	0.15	0.11	-26.67	0.46	0.35	-23.91
redo wastage	63,168	192,228	204.31	590.73	17,268.95	2,823.32	105.17	320.16	204.42	323.94	1,006.43	210.68
redo write time	83	108	30.12	0.78	9.70	1,143.59	0.14	0.18	28.57	0.43	0.57	32.56
redo writes	232	681	193.53	2.17	61.18	2,719.35	0.39	1.13	189.74	1.19	3.57	200.00
rollback changes - undo records applied	4	2	-50.00	0.04	0.18	350.00	0.01	0.00	-100.00	0.02	0.01	-50.00
rollbacks only - consistent read gets	24	23	-4.17	0.22	2.07	840.91	0.04	0.04	0.00	0.12	0.12	0.00
rows fetched via callback	13,662	6,655	-51.29	127.76	597.86	367.96	22.75	11.08	-51.30	70.06	34.84	-50.27
session pga memory	43,105,392	22,183,248	-48.54	403,112.19	1,992,849.43	394.37	71,769.23	36,946.40	-48.52	221,053.29	116,142.66	-47.46
session pga memory max	48,544,880	15,105,360	-68.88	453,981.09	1,357,001.83	198.91	80,825.83	25,158.12	-68.87	248,948.10	79,085.65	-68.23

session uga memory	42,955,218,576	42,947,647,856	*-0.02*	401,707,801.47	3,858,235,529.66	*860.46*	71,519,200.57	71,529,699.95	*0.01*	220,283,172.18	224,856,795.06	*2.08*
session uga memory max	63,248,480	42,685,584	*-32.51*	591,485.94	3,834,692.82	*548.32*	105,306.90	71,093.23	*-32.49*	324,351.18	223,484.73	*-31.10*
shared hash latch upgrades - no wait	7,190	4,316	*-39.97*	67.24	387.73	*476.64*	11.97	7.19	*-39.93*	36.87	22.60	*-38.70*
sorts (memory)	10,552	3,517	*-66.67*	98.68	315.95	*220.18*	17.57	5.86	*-66.65*	54.11	18.41	*-65.98*
sorts (rows)	66,380	21,624	*-67.42*	620.77	1,942.61	*212.94*	110.52	36.01	*-67.42*	340.41	113.21	*-66.74*
sql area evicted	101,956	543	*-99.47*	953.47	48.78	*-94.88*	169.75	0.90	*-99.47*	522.85	2.84	*-99.46*
sql area purged	34	10	*-70.59*	0.32	0.90	*181.25*	0.06	0.02	*-66.67*	0.17	0.05	*-70.59*
summed dirty queue length	948	781	*-17.62*	8.87	70.16	*690.98*	1.58	1.30	*-17.72*	4.86	4.09	*-15.84*
switch current to new buffer	35	47	*34.29*	0.33	4.22	*1,178.79*	0.06	0.08	*33.33*	0.18	0.25	*38.89*
table fetch by rowid	84,676	29,964	*-64.61*	791.87	2,691.84	*239.93*	140.98	49.91	*-64.60*	434.24	156.88	*-63.87*
table fetch continued row	2,339	454	*-80.59*	21.87	40.79	*86.51*	3.89	0.76	*-80.46*	11.99	2.38	*-80.15*
table scan blocks gotten	202,673	101,282	*-50.03*	1,895.35	9,098.75	*380.06*	337.44	168.69	*-50.01*	1,039.35	530.27	*-48.98*
table scan rows gotten	309,591	141,185	*-54.40*	2,895.23	12,683.46	*338.08*	515.46	235.14	*-54.38*	1,587.65	739.19	*-53.44*
table scans (direct read)	4	1	*-75.00*	0.04	0.09	*125.00*	0.01	0.00	*-100.00*	0.02	0.01	*-50.00*
table scans (long tables)	3	1	*-66.67*	0.03	0.09	*200.00*	0.00	0.00	*0.00*	0.02	0.01	*-50.00*
table scans (short tables)	200,587	100,372	*-49.96*	1,875.85	9,017.00	*380.69*	333.97	167.17	*-49.94*	1,028.65	525.51	*-48.91*
total number of times SMON posted	7	3	*-57.14*	0.07	0.27	*285.71*	0.01	0.00	*-100.00*	0.04	0.02	*-50.00*
undo change vector size	722,872	1,702,316	*135.49*	6,760.14	152,928.89	*2,162.21*	1,203.56	2,835.22	*135.57*	3,707.04	8,912.65	*140.42*
write	1	3	*200.0*	0.01	0.27	*2,600.*	0.00	0.00	*0.00*	0.01	0.02	*100.*

clones created in foreground	0	00		00

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IO Stats

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IOStat by Function - Data Rate per Second

- **Total Reads includes all Functions: Buffer Cache, Direct Reads, ARCH, Data Pump, Others, RMAN, Recovry, Streams/AQ and XDB**
- **Total Writes includes all Functions: DBWR, Direct Writes, LGWR, ARCH, Data Pump, Others, RMAN, Recovry, Streams/AQ and XDB**

Total Reads			Buffer Cache Reads			Direct Reads			Total Writes			DBWR			Direct Writes			LGWR		
1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff
0.13	0.06	-53.85	0.09	0.04	-55.56	0.01	0.00	-100.00	0.02	0.02	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	100.00

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IOStat by Function - Requests per Second

- **Total Reads includes all Functions: Buffer Cache, Direct Reads, ARCH, Data Pump, Others, RMAN, Recovry, Streams/AQ and XDB**
- **Total Writes includes all Functions: DBWR, Direct Writes, LGWR, ARCH, Data Pump, Others, RMAN, Recovry, Streams/AQ and XDB**

Total Reads			Buffer Cache Reads			Direct Reads			Total Writes			DBWR			Direct Writes			LGWR		
1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff
13.65	5.82	-57.36	11.45	4.58	-60.00	0.15	0.02	-86.67	1.92	2.49	29.69	1.18	1.02	-13.56	0.00	0.00	0.00	0.38	1.14	200.00

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IOStat by File Type - Data Rate per Second

- **Total Reads includes all Filetypes: Data File, Temp File, Archive Log, Backups, Control File, Data Pump Dump File, Flashback Log, Log File, Other, etc**
- **Total Writes includes all Filetypes: Data File, Temp File, Log File, Archive Log, Backup, Control File, Data Pump Dump File, Flasbachk Log, Log File, Other, etc**

Total Reads			Data File Reads			Temp File Reads			Total Writes			Data File Writes			Temp File Writes			Log File Writes		
1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff
0.13	0.06	-53.85	0.10	0.04	-60.00	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	100.00

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IOStat by File Type - Requests per Second

- **Total Reads includes all Filetypes: Data File, Temp File, Archive Log, Backups, Control File, Data Pump Dump File, Flashback Log, Log File, Other, etc**
- **Total Writes includes all Filetypes: Data File, Temp File, Log File, Archive Log, Backup, Control File, Data Pump Dump File, Flasbachk Log, Log File, Other, etc**

Total Reads			Data File Reads			Temp File Reads			Total Writes			Data File Writes			Temp File Writes			Log File Writes		
1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff
13.65	5.82	-57.36	11.61	4.60	-60.38	0.00	0.00	0.00	1.92	2.49	29.69	1.19	1.02	-14.29	0.00	0.00	0.00	0.38	1.14	200.00

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Tablespace IO Stats

- **Ordered by absolute value of 'Diff' of IOs per second descending (IOs per sec: Avg Reads/Sec + Avg Writes/Sec)**
- **Only contains tablespaces with at least 100 IOs**
- **'N/A' indicates the tablespace did not exist in the database for the period**

	Avg Reads / Sec			Avg Writes / Sec			Reads		Avg Read Time (ms)		Avg Blocks / Read		Writes		Buffer Waits		Avg Buf Wait Time (ms)		IOs per second		
Tablespace	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	Diff
SYSTEM	9.06	2.80	*-69.09*	0.08	0.03	*-62.50*	5,442	1,680	0.18	0.03	1.09	1.06	48	16	0	0	0.00	0.00	9.14	2.82	*-6.32*
SYSAUX	2.61	1.75	*-32.95*	1.12	0.73	*-34.82*	1,570	1,050	0.89	0.32	1.15	1.04	674	436	3	1	0.00	0.00	3.74	2.47	*-1.26*

UNDOTBS1	0.03	0.02	*-33.33*	0.18	0.26	*44.44*	19	15	0.00	0.00	1.00	1.00	106	159	0	3	0.00	0.00	0.21	0.29	*0.08*

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Top File Comparison by IO

- **Ordered by absolute value of 'Diff' of IOs per second descending (IOs per sec: Avg Reads/Sec + Avg Writes/Sec)**
- **Only contains files with at least 100 IOs**

		Avg Reads / Sec			Avg Writes / Sec			Reads		Avg Read Time (ms)		Avg Blocks / Read		Writes		Buffer Waits		Avg Buf Wait Time (ms)		IOs per second		
Tablespace	**Filename**	**1st**	**2nd**	**%Diff**	**1st**	**2nd**	**%Diff**	**1st**	**2nd**	**1st**	**2nd**	**1st**	**2nd**	**1st**	**2nd**	**1st**	**2nd**	**1st**	**2nd**	**1st**	**2nd**	**Diff**
SYSTEM	/home/oracle/prima/system01.dbf	9.06	2.80	*-69.09*	0.08	0.03	*-62.50*	5,442	1,680	0.18	0.03	1.09	1.06	48	16	0	0	0.00	0.00	9.14	2.82	*-6.32*
SYSAUX	/home/oracle/prima/sysaux01.dbf	2.61	1.75	*-32.95*	1.12	0.73	*-34.82*	1,570	1,050	0.89	0.32	1.15	1.04	674	436	3	1	0.00	0.00	3.74	2.47	*-1.26*
UNDOTBS1	/home/oracle/prima/undotbs01.dbf	0.03	0.02	*-33.33*	0.18	0.26	*44.44*	19	15	0.00	0.00	1.00	1.00	106	159	0	3	0.00	0.00	0.21	0.29	*0.08*

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Top File Comparison by Read Time

- **Ordered by files with greatest 'Read Time % of DB time' from either period, descending**
- **Only contains files with at least 100 IOs**

		Read Time % of DB time			Avg Read Time (ms)		Reads		Avg Reads per Sec		Avg Blocks per Read		Writes		Avg Writes per Sec		Buffer Waits		Avg Buf Wait Time (ms)	
Tablespace	**Filename**	**1st**	**2nd**	**Diff**	**1st**	**2nd**	**1st**	**2nd**	**1st**	**2nd**	**1st**	**2nd**	**1st**	**2nd**	**1st**	**2nd**	**1st**	**2nd**	**1st**	**2nd**
SYSAUX	/home/oracle/prima/sysaux01.dbf	1.30	3.05	*1.75*	0.89	0.32	1,570	1,050	2.61	1.75	1.15	1.04	674	436	1.12	0.73	3	1	0.00	0.00
SYSTEM	/home/oracle/prima/system01.dbf	0.90	0.45	*-0.45*	0.18	0.03	5,442	1,680	9.06	2.80	1.09	1.06	48	16	0.08	0.03	0	0	0.00	0.00
UNDOTBS1	/home/oracle/prima/undotbs01.dbf	0.00	0.00	*0.00*	0.00	0.00	19	15	0.03	0.02	1.00	1.00	106	159	0.18	0.26	0	3	0.00	0.00

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Top File Comparison by Buffer Waits

No data exists for this section of the report.

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Advisory Statistics

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Instance Recovery Stats

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

	Target MTTR(s)	Estimated MTTR(s)	Recovery Estimated IOs	Actual Redo Blocks	Target Redo Blocks	Log File Size Redo Blocks	Log Ckpt Timeout Redo Blocks	Log Ckpt Interval Redo Blocks	Optimal Log File Size (Mb)	Estimated Cluster Available Time (s)
B1	0	19	331	3,224	44,933	165,888	44,933			
E1	0	19	265	1,065	46,243	165,888	46,243			
B2	0	19	265	1,065	46,243	165,888	46,243			
E2	0	19	259	2,677	53,585	165,888	53,585			

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PGA Aggregate Summary

- **PGA Cache Hit % - percentage of W/A (Work Area) data processed in-memory only**

PGA Cache Hit %			W/A Bytes/Sec (DB time)			W/A MB Processed		Read/Written W/A Bytes/Sec (DB time)			Read/Written W/A MB	
1st	2nd	Diff	1st	2nd	%Diff	1st	2nd	1st	2nd	%Diff	1st	2nd
100.00	100.00	0.00	908,075	4,605,296	407.15	93	49	0	0	0.00	0	0

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PGA Aggr Target Stats

- **B1: 1st Begin Snap E1: 1st End Snap B2: 2nd Begin Snap E2: 2nd End Snap**
- **Data shown in the table represent actual values, 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)

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Wait Stats

- Buffer Wait Statistics
- Enqueue Activity

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Buffer Wait Statistics

- **Ordered by absolute value of 'Diff' column of 'Wait Time % of DB time' descending**

	Wait Time % of DB time			Total Wait Time (s)		# Waits		Avg Wait Time (ms)		
Class	1st	2nd	Diff	1st	2nd	1st	2nd	1st	2nd	%Diff
data block	0.00	0.00	*0.00*	0.00	0.00	3	1	0.00	0.00	*0.00*
undo header	0.00	0.00	*0.00*	0.00	0.00	0	3	0.00	0.00	*0.00*

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Enqueue Activity

No data exists for this section of the report.

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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**

	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
1st	0.37	1,159	940	3	19.6/29.7	0/0	0/0/0/0/0/0

2nd	0.36	1,001	936	4	19.6/29.6	0/0	0/0/0/0/0/0

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Latch Statistics

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Latch Sleep Breakdown

- **Ordered by absolute value of 'Diff' Column of '% of Total Sleeps' descending**

	% of Total Sleeps			Get Requests		Misses		Spin Gets		Sleeps		Wait Time (cs)		
Latch Name	1st	2nd	Diff	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	Diff
row cache objects	30.95	0.00	-30.95	4,067,658	292,316	51	0	1	0	52	0	59,824	0	-59,824
shared pool	69.64	100.00	30.36	5,915,828	176,207	110	3	0	0	117	3	101,055	3,732	-97,323
call allocation	1.79	0.00	-1.79	204,416	1,618	3	0	0	0	3	0	3,382	0	-3,382
JS Sh mem access	0.60	0.00	-0.60	3	1	1	0	0	0	1	0	2,562	0	-2,562
cache buffers chains	0.60	0.00	-0.60	1,815,394	805,730	2	0	1	0	1	0	452	0	-452
cache buffers lru chain	0.60	0.00	-0.60	9,611	4,583	1	0	0	0	1	0	1,618	0	-1,618
shared pool sim alloc	0.60	0.00	-0.60	884	1	1	0	0	0	1	0	3,761	0	-3,761
shared pool simulator	0.60	0.00	-0.60	414,212	4,595	1	0	0	0	1	0	60	0	-60

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Latch Wait Time Breakdown

- **Ordered by absolute value of 'Diff' Column of 'Wait Time (cs)' descending**

	Wait Time (cs)			Get Requests		Misses		Spin Gets		Sleeps		% of Total Sleeps		
Latch Name	1st	2nd	Diff	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	Diff
shared pool	101,055	3,732	*-97,323*	5,915,828	176,207	110	3	0	0	117	3	69.64	100.00	*30.36*
row cache objects	59,824	0	*-59,824*	4,067,658	292,316	51	0	1	0	52	0	30.95	0.00	*-30.95*
shared pool sim alloc	3,761	0	*-3,761*	884	1	1	0	0	0	1	0	0.60	0.00	*-0.60*
call allocation	3,382	0	*-3,382*	204,416	1,618	3	0	0	0	3	0	1.79	0.00	*-1.79*
JS Sh mem access	2,562	0	*-2,562*	3	1	1	0	0	0	1	0	0.60	0.00	*-0.60*
cache buffers lru chain	1,618	0	*-1,618*	9,611	4,583	1	0	0	0	1	0	0.60	0.00	*-0.60*
cache buffers chains	452	0	*-452*	1,815,394	805,730	2	0	1	0	1	0	0.60	0.00	*-0.60*
shared pool simulator	60	0	*-60*	414,212	4,595	1	0	0	0	1	0	0.60	0.00	*-0.60*

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Segment Statistics

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Top Segments Comparison by Logical Reads

- **Ordered by absolute value of 'Diff' column of '% of Total Logical Reads'**
- **Top 5 Segments from each period are compared**
- **Total Logical Reads First: 931,944, Second: 395,637**
- **Captured Logical Reads First: 869,808, Second: 368,704**
- **Captured Logical Reads as % of Total First: 93.33%, Second: 93.19%**

					% of Total Logical Reads					Logical Reads			% of Captured Logical Reads		
Owner	Tablespace	Object Name	Subobject Name	Type	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	%Diff	1st	2nd	Diff
SYSMAN	SYSAUX	MGMT_SYSTEM_PERF_LOG_IDX_01		INDEX	0.03	0.03	0.79	0.79	0.76	272	3,136	1,052.94	0.03	0.85	0.82
ADAM	USERS	T		TABLE	75.11	75.14	75.83	76.62	0.72	700,000	300,000	-57.14	80.48	81.37	0.89
SYS	SYSTEM	ICOL$		TABLE	1.11	76.25	0.61	77.23	-0.50	10,304	2,400	-76.71	1.18	0.65	-0.53
SYS	SYSTEM	I_ARGUMENT2		INDEX	1.01	77.26	0.58	77.80	-0.43	9,408	2,288	-75.68	1.08	0.62	-0.46
SYS	SYSTEM	SYS_C00643		INDEX	0.98	78.24	0.67	78.48	-0.31	9,168	2,656	-71.03	1.05	0.72	-0.33
SYS	SYSTEM	I_CCOL1		INDEX	0.72	78.96	0.97	79.45	0.26	6,672	3,856	-42.21	0.77	1.05	0.28
SYS	SYSTEM	CCOL$		TABLE	0.92	79.88	0.77	80.22	-0.16	8,608	3,040	-64.68	0.99	0.82	-0.17
SYS	SYSTEM	I_HH_OBJ#_INTCOL#		INDEX	1.61	81.49	1.55	81.77	-0.06	14,976	6,128	-59.08	1.72	1.66	-0.06

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Top Segments Comparison by Physical Reads

- **Ordered by absolute value of 'Diff' column of '% of Total Physical Reads'**
- **Top 5 Segments from each period are compared**
- **Total Physical Reads First: 7,757, Second: 2,909**
- **Captured Physical Reads First: 4,552, Second: 979**
- **Captured Physical Reads as % of Total First: 58.68%, Second: 33.65%**

					% of Total Physical Reads					Physical Reads			% of Captured Physical Reads		
Owner	Tablespace	Object Name	Subobject Name	Type	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	%Diff	1st	2nd	Diff
SYS	SYSTEM	IDL_UB1$		TABLE	15.64	15.64			-15.64	1,213			26.65		-26.65
SYS	SYSTEM	IDL_UB2$		TABLE	6.96	22.60			-6.96	540			11.86		-11.86
SYS	SYSTEM	OBJ$		TABLE	7.59	30.19	1.89	1.89	-5.70	589	55	-90.66	12.94	5.62	-7.32
SYSMAN	SYSAUX	MGMT_METRICS		TABLE	3.22	33.41			-3.22	250			5.49		-5.49
SYS	SYSAUX	WRH$_SQL_PLAN		TABLE	0.66	34.07	1.82	3.71	1.16	51	53	3.92	1.12	5.41	4.29
SYS	SYSTEM	I_OBJ2		INDEX	2.71	36.78	1.86	5.57	-0.85	210	54	-74.29	4.61	5.52	0.90
SYS	SYSTEM	ICOL$		TABLE	4.68	41.46	5.16	10.73	0.48	363	150	-58.68	7.97	15.32	7.35
SYS	SYSTEM	HIST_HEAD$		TABLE	2.01	43.47	2.27	12.99	0.26	156	66	-57.69	3.43	6.74	3.31

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Top Segments Comparison by Physical Read Requests

- **Ordered by absolute value of 'Diff' column of '% of Total Physical Read Requests'**
- **Top 5 Segments from each period are compared**
- **Total Physical Read Requests First: 7,016, Second: 2,764**
- **Captured Physical Read Requests First: 4,005, Second: 979**
- **Captured Phys. Read Requests as % of Total First: 57.08%, Second: 35.42%**

					% of Total Read Requests					Read Requests			% of Captured Read Requests		
Owner	Tablespace	Object Name	Subobject Name	Type	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	%Diff	1st	2nd	Diff
SYS	SYSTEM	IDL_UB1$		TABLE	17.29	17.29			-17.29	1,213			30.29		-30.29
SYS	SYSTEM	IDL_UB2$		TABL	7.70	24.99			-7.70	540			13.4		-

				E										8		13.48
SYS	SYSTEM	OBJ$		TABLE	3.38	28.36	1.99	1.99	-1.39	237	55	-76.79	5.92	5.62	-0.30
SYS	SYSAUX	WRH$_SQL_PLAN		TABLE	0.73	29.09	1.92	3.91	1.19	51	53	3.92	1.27	5.41	4.14
SYS	SYSTEM	I_OBJ2		INDEX	2.75	31.84	1.95	5.86	-0.80	193	54	-72.02	4.82	5.52	0.70
SYS	SYSTEM	ICOL$		TABLE	5.17	37.02	5.43	11.29	0.25	363	150	-58.68	9.06	15.32	6.26
SYS	SYSTEM	HIST_HEAD$		TABLE	2.22	39.24	2.39	13.68	0.16	156	66	-57.69	3.90	6.74	2.85

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Top Segments Comparison by UnOptimized Read Requests

- **Ordered by absolute value of 'Diff' column of '% of Total UnOptimized Requests'**
- **Top 5 Segments from each period are compared**
- **Total UnOptimized Read Requests First: 7,016, Second: 2,764**
- **Captured UnOptimized Read Requests First: 4,005, Second: 979**
- **Captured UnOptimized Read Reqs as % of Total First: 57.08%, Second: 35.42%**

					% of Total UnOptimized Requests					UnOptimized Requests			% of Captured UnOptimized Reqs		
Owner	Tablespace	Object Name	Subobject Name	Type	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	%Diff	1st	2nd	Diff
SYS	SYSTEM	IDL_UB1$		TABLE	17.29	17.29			-17.29	1,213			30.29		-30.29
SYS	SYSTEM	IDL_UB2$		TABLE	7.70	24.99			-7.70	540			13.48		-13.48
SYS	SYSTEM	OBJ$		TABLE	3.38	28.36	1.99	1.99	-1.39	237	55	-76.79	5.92	5.62	-0.30
SYS	SYSAUX	WRH$_SQL_PLAN		TABLE	0.73	29.09	1.92	3.91	1.19	51	53	3.92	1.27	5.41	4.14
SYS	SYSTEM	I_OBJ2		INDEX	2.75	31.84	1.95	5.86	-0.80	193	54	-72.02	4.82	5.52	0.70
SYS	SYSTEM	ICOL$		TABLE	5.17	37.02	5.43	11.29	0.25	363	150	-58.68	9.06	15.32	6.26
SYS	SYSTEM	HIST_HEAD$		TABLE	2.22	39.24	2.39	13.68	0.16	156	66	-57.69	3.90	6.74	2.85

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Top Segments Comparison by Optimized Read Requests

- **Ordered by absolute value of 'Diff' column of '% of Total Optimized Read Requestss'**
- **Top 5 Segments from each period are compared**

- **Total Physical Read Requests First: 1, Second: 1**
- **Captured Physical Read Requests First: 1, Second: 1**
- **Captured Phys. Read Requests as % of Total First: 0%, Second: 0%**

					% of Total Optimized Read Requests					Optimized Requests			% of Captured Optimized Reqs		
Owner	Tablespace	Object Name	Subobject Name	Type	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	%Diff	1st	2nd	Diff
SYS	SYSTEM	CCOL$		TABLE	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
SYS	SYSTEM	ICOL$		TABLE	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
SYS	SYSTEM	I_OBJ#		INDEX	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
SYS	SYSTEM	I_OBJ1		INDEX	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
SYS	SYSTEM	OBJ$		TABLE	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00

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Top Segments Comparison by Direct Physical Reads

- **Ordered by absolute value of 'Diff' column of '% of Total Direct Reads'**
- **Top 5 Segments from each period are compared**
- **Total Direct Reads First: 686, Second: 84**
- **Captured Direct Reads First: 602, Second: 1**
- **Captured Direct Reads as % of Total First: 87.76%, Second: 0%**

					% of Total Direct Reads					Direct Reads			% of Captured Direct Reads		
Owner	Tablespace	Object Name	Subobject Name	Type	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	%Diff	1st	2nd	Diff
SYS	SYSTEM	OBJ$		TABLE	58.89	58.89	0.00	0.00	-58.89	404	0	-100.00	67.11	0.00	-67.11
SYSMAN	SYSAUX	MGMT_METRICS		TABLE	28.86	87.76			-28.86	198			32.89		-32.89
SYS	SYSTEM	CCOL$		TABLE	0.00	87.76	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
SYS	SYSTEM	ICOL$		TABLE	0.00	87.76	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
SYS	SYSTEM	I_OBJ#		INDEX	0.00	87.76	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
SYS	SYSTEM	I_OBJ1		INDEX	0.00	87.76	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00

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Top Segments Comparison by Physical Writes

- **Ordered by absolute value of 'Diff' column of '% of Total Physical Writes'**
- **Top 5 Segments from each period are compared**
- **Total Physical Writes First: 1,035, Second: 964**

- **Captured Physical Writes First: 267, Second: 281**
- **Captured Physical Writes as % of Total First: 25.8%, Second: 29.15%**

					% of Total Physical Writes					Physical Writes			% of Captured Physical Writes		
Owner	Tablespace	Object Name	Subobject Name	Type	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	%Diff	1st	2nd	Diff
SYSMAN	SYSAUX	MGMT_METRICS_1HOUR_PK		INDEX			4.88	4.88	4.88		47			16.73	16.73
SYS	SYSAUX	WRH$_SQL_PLAN_PK		INDEX	2.13	2.13	0.21	5.08	-1.92	22	2	-90.91	8.24	0.71	-7.53
SYS	SYSAUX	WRH$_SQL_PLAN		TABLE	3.67	5.80	1.76	6.85	-1.91	38	17	-55.26	14.23	6.05	-8.18
SYS	SYSTEM	COL_USAGE$		TABLE			1.76	8.61	1.76		17			6.05	6.05
SYSMAN	SYSAUX	MGMT_SYSTEM_PERFORMANCE_LOG		TABLE	0.97	6.76	2.70	11.31	1.73	10	26	160.00	3.75	9.25	5.51
SYS	SYSAUX	WRH$_LATCH	WRH$_LATCH_2003897072_0	TABLE PARTITION	1.93	8.70	0.52	11.83	-1.41	20	5	-75.00	7.49	1.78	-5.71
SYS	SYSAUX	WRH$_SYSSTAT_PK	WRH$_SYSSTA_2003897072_0	INDEX PARTITION	3.38	12.08	1.97	13.80	-1.41	35	19	-45.71	13.11	6.76	-6.35
SYS	SYSAUX	WRI$_ADV_PARAMETERS_PK		INDEX	1.26	13.33	0.21	14.00	-1.05	13	2	-84.62	4.87	0.71	-4.16

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Top Segments Comparison by Physical Write Requests

- **Ordered by absolute value of 'Diff' column of '% of Total Write Requests'**

					% of Total Write Requests					Write Requests			% of Captured Write Requests		
Owner	Tablespace	Object Name	Subobject Name	Type	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	%Diff	1st	2nd	Diff
SYSMAN	SYSAUX	MGMT_METRICS_1HOUR_PK		INDEX			3.27	3.27	3.27		20			11.76	11.76
SYS	SYSAUX	WRH$_SQL_PLAN_PK		INDEX	2.53	2.53	0.33	3.60	-2.21	21	2	-90.48	10.40	1.18	-9.22
SYS	SYSAUX	WRH$_SEG_STAT	WRH$_SEG_ST_2003897072_0	TABLE PARTITION	0.36	2.90	2.29	5.89	1.93	3	14	366.67	1.49	8.24	6.75
SYS	SYSAUX	WRH$_BG_EVENT_SUMMARY		TABLE			1.64	7.53	1.64		10			5.88	5.88

SYS	SYSAUX	WRH$_SQL_PLAN		TABLE	1.93	4.83	0.33	7.86	-1.60	16	2	-87.50	7.92	1.18	-6.74
SYS	SYSAUX	WRH$_LATCH	WRH$_LATCH_2003897072_0	TABLE PARTITION	2.41	7.24	0.82	8.67	-1.59	20	5	-75.00	9.90	2.94	-6.96
SYS	SYSAUX	WRH$_SYSMETRIC_SUMMARY		TABLE	0.48	7.72	1.96	10.64	1.48	4	12	200.00	1.98	7.06	5.08
SYS	SYSAUX	WRI$_ADV_PARAMETERS_PK		INDEX	1.57	9.29	0.33	10.97	-1.24	13	2	-84.62	6.44	1.18	-5.26
SYS	SYSAUX	WRH$_SYSSTAT_PK	WRH$_SYSSTA_2003897072_0	INDEX PARTITION	2.53	11.82	2.29	13.26	-0.24	21	14	-33.33	10.40	8.24	-2.16

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Top Segments Comparison by Direct Physical Writes

- **Ordered by absolute value of 'Diff' column of '% of Total Direct Writes'**
- **Top 5 Segments from each period are compared**
- **Total Direct Writes First: 3, Second: 1**
- **Captured Direct Writes First: 2, Second: 1**
- **Captured Direct Writes as % of Total First: 66.67%, Second: 0%**

					% of Total Direct Writes					Direct Writes			% of Captured Direct Writes		
Owner	Tablespace	Object Name	Subobject Name	Type	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	%Diff	1st	2nd	Diff
SYS	SYSAUX	SYS_LOB0000006324C00038$$		LOB	66.67	66.67	0.00	0.00	-66.67	2	0	-100.00	100.00	0.00	-100.00
SYS	SYSTEM	CCOL$		TABLE	0.00	66.67	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
SYS	SYSTEM	ICOL$		TABLE	0.00	66.67	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
SYS	SYSTEM	I_OBJ#		INDEX	0.00	66.67	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
SYS	SYSTEM	I_OBJ1		INDEX	0.00	66.67	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
SYS	SYSTEM	OBJ$		TABLE	0.00	66.67	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00

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Top Segments Comparison by Table Scans

- **Ordered by absolute value of 'Diff' column of '% of Total Table Scans'**
- **Top 5 Segments from each period are compared**
- **Total Table Scans First: 13, Second: 7**
- **Captured Table Scans First: 4, Second: 1**

- **Captured Table Scans as % of Total First: 30.77%, Second: 0%**

					% of Total Table Scans					Table Scans			% of Captured Table Scans		
Owner	Tablespace	Object Name	Subobject Name	Type	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	%Diff	1st	2nd	Diff
SYS	SYSTEM	I_OBJ1		INDEX	7.69	7.69	0.00	0.00	-7.69	1	0	-100.00	25.00	0.00	-25.00
SYS	SYSTEM	I_OBJ2		INDEX	7.69	15.38	0.00	0.00	-7.69	1	0	-100.00	25.00	0.00	-25.00
SYS	SYSTEM	OBJ$		TABLE	7.69	23.08	0.00	0.00	-7.69	1	0	-100.00	25.00	0.00	-25.00
SYSMAN	SYSAUX	MGMT_METRICS		TABLE	7.69	30.77			-7.69	1			25.00		-25.00
SYS	SYSTEM	CCOL$		TABLE	0.00	30.77	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
SYS	SYSTEM	ICOL$		TABLE	0.00	30.77	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
SYS	SYSTEM	I_OBJ#		INDEX	0.00	30.77	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00

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Top Segments Comparison by DB Block Changes

- **Ordered by absolute value of 'Diff' column of '% of Total Block Changes'**
- **Top 5 Segments from each period are compared**
- **Total DB Block Changes First: 9,479, Second: 20,744**
- **Captured DB Block Changes First: 1,568, Second: 7,376**
- **Captured DB Block Changes as % of Total First: 16.54%, Second: 35.56%**

					% of Total Block Changes					DB Block Changes			% of Captured Block Changes		
Owner	Tablespace	Object Name	Subobject Name	Type	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	%Diff	1st	2nd	Diff
SYSMAN	SYSAUX	MGMT_SYSTEM_PERFORMANCE_LOG		TABLE	0.17	0.17	7.25	7.25	7.08	16	1,504	9,300.00	1.02	20.39	19.37
SYSMAN	SYSAUX	MGMT_SYSTEM_PERF_LOG_IDX_01		INDEX	0.00	0.17	6.71	13.96	6.71	0	1,392	100.00	0.00	18.87	18.87
SYSMAN	SYSAUX	MGMT_SYSTEM_PERF_LOG_IDX_02		INDEX			6.71	20.67	6.71		1,392			18.87	18.87
SYS	SYSTEM	COL_USAGE$		TABLE			5.78	26.46	5.78		1,200			16.27	16.27
SYS	SYSAUX	WRH$_SQL_PLAN		TABLE	4.90	5.06	0.23	26.69	-4.66	464	48	-89.66	29.59	0.65	-28.94
SYS	SYSAUX	WRH$_SQL_PLAN_PK		INDEX	4.2	9.28	0.1	26.8	-	40	32	-	25.	0.4	-

					2		5	4	4.07	0		92.00	51	3	25.08
SYSMAN	SYSAUX	MGMT_METRICS_1HOUR_PK		INDEX			2.55	29.39	2.55		528			7.16	7.16
SYSMAN	SYSAUX	MGMT_DB_INIT_PARAMS_ECM_PK		INDEX	1.35	10.63	0.00	29.39	-1.35	128	0	-100.00	8.16	0.00	-8.16
SYS	SYSAUX	WRM$_SNAPSHOT_DETAILS		TABLE	1.01	11.65	0.46	29.85	-0.55	96	96	0.00	6.12	1.30	-4.82
SYS	SYSAUX	WRH$_SYSSTAT_PK	WRH$_SYSSTA_2003897072_0	INDEX PARTITION	0.68	12.32	0.23	30.08	-0.44	64	48	-25.00	4.08	0.65	-3.43

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Top Segments by Row Lock Waits

- **Ordered by absolute value of 'Diff' column' of '% of Captured'**
- **Top 5 Segments from each period are compared**
- **TX Row Lock Waits First: 1, Second: 1**
- **Total TX Row Lock Wait Time First: 0.00 seconds, Second: 0.00 seconds**
- **TX Row Lock Wait Time as % of DB time First: 0%, Second: 0%**
- **Captured Row Lock Waits First: 1, Second: 1**

					% of Total			Row Lock Waits			% of Captured				
Owner	Tablespace	Object Name	Subobject Name	Type	1st	2nd	Diff	1st	2nd	%Diff	1st	1st Total	2nd	2nd Total	Diff
SYSMAN	SYSAUX	MGMT_JOB_EXECUTION		TABLE		100.00	*100.00*		1				100.00	100.00	*100.00*

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Top Segments by ITL Waits

No data exists for this section of the report.

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Top Segments by Buffer Busy Waits

- **Ordered by absolute value of 'Diff' column of '% of Total Buffer Busy Waits'**
- **Top 5 Segments from each period are compared**
- **Total Buffer Busy Waits First: 3, Second: 4**
- **Buffer Busy Wait Time First: 0.00 seconds, Second: 0.00 seconds**
- **Buffer Busy Wait Time as % of DB time First: 0%, Second: .02%**
- **Captured Buffer Busy Waits First: 3, Second: 1**

					% of Total Buffer Busy Waits					Buffer Busy Waits			% of Captured Buffer Busy Waits		
Owner	Tablespace	Object Name	Subobject Name	Type	1st	1st Total	2nd	2nd Total	Diff	1st	2nd	%Diff	1st	2nd	Diff
SYSMAN	SYSAUX	MGMT_JOB_EXEC_IDX04		INDEX	66.67	66.67			-66.67	2			66.67		-66.67
SYSMAN	SYSAUX	MGMT_JOB_EXECUTION		TABLE	33.33	100.00	25.00	25.00	-8.33	1	1	0.00	33.33	100.00	66.67

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Top Segments by GC Buffer Busy Waits

No data exists for this section of the report.

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Dictionary Cache Statistics

- **Ordered by Cache**

	Get Requests per Sec (DB time)			Get Requests per Sec (Elapsed Time)			Get Requests		Pct Miss		Scan Requests		Pct Miss		Mod Reqs		Final Usage	
Cache	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd
dc_awr_control	0.12	1.17	*875.00*	0.02	0.02	*0.00*	13	13	0.00	0.00	0	0	0.00	0.00	2	2	1	1
dc_files	0.07	0.36	*414.29*	0.01	0.01	*0.00*	8	4	50.00	100.00	0	0	0.00	0.00	0	0	0	0
dc_global_oids	14.37	83.28	*479.54*	2.56	1.54	*-39.84*	1,537	927	7.09	2.80	0	0	0.00	0.00	0	0	44	44
dc_histogram_data	125.29	376.59	*200.57*	22.31	6.98	*-68.71*	13,397	4,192	11.69	4.22	0	0	0.00	0.00	0	0	337	305
dc_histogram_defs	1,701.67	2,826.32	*66.09*	302.96	52.40	*-82.70*	181,962	31,461	4.11	9.11	0	0	0.00	0.00	2	0	1,573	1,608
dc_object_grants	2.42	3.68	*52.07*	0.43	0.07	*-83.72*	259	41	12.36	2.44	0	0	0.00	0.00	0	0	29	7
dc_objects	3,196.06	1,226.35	*-61.63*	569.02	22.74	*-96.00*	341,759	13,651	0.69	4.12	0	0	0.00	0.00	3	0	1,027	972
dc_profiles	0.26	1.62	*523.08*	0.05	0.03	*-40.00*	28	18	14.29	0.00	0	0	0.00	0.00	0	0	1	1
dc_rollback_segments	0.77	6.29	*716.88*	0.14	0.12	*-14.29*	82	70	0.00	0.00	0	0	0.00	0.00	0	0	12	12
dc_segments	3,813.53	309.04	*-91.90*	678.95	5.73	*-99.16*	407,787	3,440	0.21	9.42	0	0	0.00	0.00	12	9	262	322
dc_sequences	0.11	0.45	*309.09*	0.02	0.01	*-50.00*	12	5	100.00	100.00	0	0	0.00	0.00	12	5	0	0
dc_tablespaces	1,415.76	1,842.89	*30.17*	252.06	34.17	*-86.44*	151,389	20,514	0.01	0.01	0	0	0.00	0.00	0	0	5	5
dc_users	2,460.	2,202.	-	438.0	40.8	-	263,0	24,51	0.03	0.01	0	0	0.0	0.00	0	0	39	38

	37	14	*10.50*	4	3	*90.68*	91	3					0					
global database name	4.09	37.91	*826.89*	0.73	0.70	*-4.11*	437	422	0.23	0.00	0	0	0.00	0.00	0	0	1	1
outstanding_alerts	0.03	0.27	*800.00*	0.00	0.00	*0.00*	3	3	100.00	100.00	0	0	0.00	0.00	0	0	0	0

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Library Cache Activity

- **Ordered by Namespace**

	Get Requests per Sec (DB Time)			Get Requests per Sec (Elapsed Time)			Get Requests		Pct Miss		Pin Requests		Pct Miss		Reloads		Invalidations	
Namespace	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd
ACCOUNT_STATUS	0.34	1.44	*323.53*	0.06	0.03	*-50.00*	36	16	16.67	6.25	0	0			0	0	0	0
APP CONTEXT	0.01	0.00	*-100.00*	0.00	0.00	*0.00*	1	0	0.00		385	77	0.26	0.00	1	0	0	0
BODY	2.17	15.72	*624.42*	0.39	0.29	*-25.64*	232	175	16.81	6.29	1,889	1,505	6.72	2.19	83	21	0	0
CLUSTER	3.90	6.47	*65.90*	0.69	0.12	*-82.61*	417	72	1.92	1.39	429	72	1.86	1.39	0	0	0	0
DBLINK	0.34	1.44	*323.53*	0.06	0.03	*-50.00*	36	16	16.67	6.25	0	0			0	0	0	0
EDITION	0.31	1.89	*509.68*	0.05	0.03	*-40.00*	33	21	21.21	9.52	61	39	22.95	7.69	0	0	0	0
INDEX	0.25	2.43	*872.00*	0.04	0.04	*0.00*	27	27	85.19	85.19	27	27	85.19	85.19	0	0	0	0
OBJECT ID	0.01	0.00	*-100.00*	0.00	0.00	*0.00*	1	0	100.00		0	0			0	0	0	0
QUEUE	0.12	1.17	*875.00*	0.02	0.02	*0.00*	13	13	0.00	0.00	1,728	1,698	0.46	0.00	7	0	0	0
SCHEMA	20.31	79.41	*290.99*	3.62	1.47	*-59.39*	2,172	884	0.28	0.11	0	0			0	0	0	0
SQL AREA	2,880.94	300.95	*-89.55*	512.92	5.58	*-98.91*	308,063	3,350	66.55	43.25	455,480	122,158	67.16	1.46	1,440	240	34	10
SQL AREA BUILD	958.81	59.65	*-93.78*	170.70	1.11	*-99.35*	102,527	664	99.38	89.91	0	0			0	0	0	0
SQL AREA STATS	949.15	48.42	*-94.90*	168.98	0.90	*-99.47*	101,494	539	99.90	91.28	101,494	539	99.90	91.28	0	0	0	0
SUBSCRIPTION	0.01	0.09	*800.00*	0.00	0.00	*0.00*	1	1	0.00	0.00	1	1	100.00	100.00	1	1	0	0
TABLE/PROCE	1,048.	380.	-	186.	7.0	-	112,0	4,23	1.63	13.8	522,1	9,108	1.05	19.6	2,26	559	0	0

DURE	08	81	*63.67*	60	6	*96.22*	73	9		2	87			5	1			
TRIGGER	0.16	1.17	*631.25*	0.03	0.02	*-33.33*	17	13	11.76	7.69	76	54	22.37	7.41	15	3	0	0

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Memory Statistics

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Process Memory Summary

- **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 Category**

		1st			2nd			% Diff of	
Category	Summary	Begin Value	End Value	%Diff	Begin Value	End Value	%Diff	Begin Values	End Values
Freeable	Alloc (KB)	16,704.00	23,744.00	42.15	23,744.00	22,144.00	-6.74	42.15	-6.74
Freeable	Used (KB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Freeable	Avg Alloc (KB)	835.20	1,079.27	29.22	1,079.27	1,006.55	-6.74	29.22	-6.74
Freeable	Std Dev Alloc (KB)	1,005.40	999.57	-0.58	999.57	1,027.27	2.77	-0.58	2.77
Freeable	Max Alloc (KB)	4,416.00	4,736.00	7.25	4,736.00	4,736.00	0.00	7.25	0.00
Freeable	Hist Max Alloc (KB)								
Freeable	Num Procs	20.00	22.00	10.00	22.00	22.00	0.00	10.00	0.00
Freeable	Num Alloc	20.00	22.00	10.00	22.00	22.00	0.00	10.00	0.00
Other	Alloc (KB)	159,399.26	163,870.30	2.80	163,870.30	159,523.29	-2.65	2.80	-2.65
Other	Used (KB)								
Other	Avg Alloc (KB)	3,542.21	3,562.40	0.57	3,562.40	3,709.84	4.14	0.57	4.14
Other	Std Dev Alloc (KB)	5,019.99	5,059.37	0.78	5,059.37	5,204.50	2.87	0.78	2.87
Other	Max Alloc (KB)	18,344.52	18,344.52	0.00	18,344.52	18,344.52	0.00	0.00	0.00
Other	Hist Max Alloc (KB)	19,233.34	18,344.52	-4.62	18,344.52	18,344.52	0.00	-4.62	0.00
Other	Num Procs	45.00	46.00	2.22	46.00	43.00	-6.52	2.22	-6.52
Other	Num Alloc	45.00	46.00	2.22	46.00	43.00	-6.52	2.22	-6.52
PL/SQL	Alloc (KB)	17,098.02	18,128.43	6.03	18,128.43	15,769.36	-13.01	6.03	-13.01
PL/SQL	Used (KB)	15,067.62	15,761.91	4.61	15,761.91	13,462.91	-14.59	4.61	-14.59
PL/SQL	Avg Alloc (KB)	379.96	394.10	3.72	394.10	366.73	-6.94	3.72	-6.94
PL/SQL	Std Dev Alloc (KB)	694.94	693.07	-0.27	693.07	642.56	-7.29	-0.27	-7.29
PL/SQL	Max Alloc (KB)	2,494.87	2,532.28	1.29	2,527.04	2,532.28	0.21	1.29	0.21
PL/SQL	Hist Max Alloc (KB)	2,590.97	2,680.87	3.47	2,680.87	2,680.87	0.00	3.47	0.00

PL/SQL	Num Procs	45.00	46.00	2.22	46.00	43.00	-6.52	2.22	-6.52
PL/SQL	Num Alloc	45.00	46.00	2.22	46.00	43.00	-6.52	2.22	-6.52
SQL	Alloc (KB)	2,439.21	2,442.75	0.15	2,442.75	2,311.88	-5.36	0.15	-5.36
SQL	Used (KB)	272.24	169.96	-37.57	169.96	138.59	-18.46	-37.57	-18.46
SQL	Avg Alloc (KB)	87.11	81.43	-6.53	81.43	85.63	5.16	-6.53	5.16
SQL	Std Dev Alloc (KB)	58.14	52.93	-8.96	52.93	52.48	-0.85	-8.96	-0.85
SQL	Max Alloc (KB)	228.45	181.26	-13.17	198.37	181.26	-8.63	-13.17	-8.63
SQL	Hist Max Alloc (KB)	22,814.70	22,814.70	0.00	22,814.70	22,814.70	0.00	0.00	0.00
SQL	Num Procs	28.00	30.00	7.14	30.00	27.00	-10.00	7.14	-10.00
SQL	Num Alloc	26.00	28.00	7.69	28.00	25.00	-10.71	7.69	-10.71

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SGA Memory Summary

	1st			2nd			% Diff of	
SGA regions	Begin Value (KB)	End Value (KB)	%Diff	Begin Value (KB)	End Value (KB)	%Diff	Begin Values	End Values
Database Buffers	20,480.00	16,384.00	-20.00	16,384.00	16,384.00	0.00	-20.00	0.00
Fixed Size	2,175.73	2,175.73	0.00	2,175.73	2,175.73	0.00	0.00	0.00
Redo Buffers	4,636.00	4,636.00	0.00	4,636.00	4,636.00	0.00	0.00	0.00
Variable Size	278,528.27	282,624.27	1.47	282,624.27	282,624.27	0.00	1.47	0.00

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SGA Breakdown Difference

- **ordered by Pool, Name**

		1st			2nd			%Diff of	
Pool	Name	Begin Value	End Value	%Diff	Begin Value	End Value	%Diff	Begin Values	End Values
java pool	free memory	4,194,304	4,194,304	*0.00*	4,194,304	4,194,304	*0.00*	0.00	0.00
large pool	PX msg pool	491,520	491,520	*0.00*	491,520	491,520	*0.00*	0.00	0.00
large pool	free memory	3,702,784	3,702,784	*0.00*	3,702,784	3,702,784	*0.00*	0.00	0.00
shared pool	ASH buffers	2,097,152	2,097,152	*0.00*	2,097,152	2,097,152	*0.00*	0.00	0.00
shared pool	KCB Table Scan Buffer	3,981,120	3,981,120	*0.00*	3,981,120	3,981,120	*0.00*	0.00	0.00
shared pool	KGLH0	15,418,824	15,521,032	*0.66*	15,521,032	15,532,080	*0.07*	0.66	0.07
shared pool	KGLHD	3,706,880	3,781,168	*2.00*	3,781,168	3,523,592	*-6.81*	2.00	-6.81
shared pool	KGLS	2,717,136	2,562,680	*-5.68*	2,562,680	3,046,016	*18.86*	-5.68	18.86
shared pool	KGLSG	5,266,008	5,266,008	*0.00*	5,266,008	5,266,008	*0.00*	0.00	0.00
shared pool	KKSSP	2,846,736	2,986,352	*4.90*	2,986,352	2,810,584	*-5.89*	4.90	-5.89
shared pool	KSFD SGA I/O b	3,977,144	3,977,144	*0.00*	3,977,144	3,977,144	*0.00*	0.00	0.00
shared pool	PLMCD	2,989,440	3,375,624	*12.92*	3,375,624	3,582,072	*6.12*	12.92	6.12
shared pool	SQLA	9,003,344	6,931,280	*-23.01*	6,931,280	11,559,416	*66.77*	-23.01	66.77
shared pool	dbktb: trace buffer	1,638,400	1,638,400	*0.00*	1,638,400	1,638,400	*0.00*	0.00	0.00

shared pool	event statistics per sess	2,251,136	2,251,136	*0.00*	2,251,136	2,251,136	*0.00*	0.00	0.00
shared pool	free memory	37,014,824	38,090,784	*2.91*	38,090,784	33,383,104	*-12.36*	2.91	-12.36
shared pool	kglsim hash table bkts	4,194,304	4,194,304	*0.00*	4,194,304	4,194,304	*0.00*	0.00	0.00
shared pool	kglsim heap		1,817,344		1,817,344	1,817,344	*0.00*		0.00
shared pool	kglsim object batch		3,095,064		3,095,064	3,095,064	*0.00*		0.00
shared pool	ksunfy : SSO free list	2,098,400	2,098,400	*0.00*	2,098,400	2,098,400	*0.00*	0.00	0.00
shared pool	obj stats allocation chun	2,580,480	2,580,480	*0.00*	2,580,480	2,580,480	*0.00*	0.00	0.00
shared pool	private strands	2,451,456	2,451,456	*0.00*	2,451,456	2,451,456	*0.00*	0.00	0.00
shared pool	row cache	7,593,704	7,593,704	*0.00*	7,593,704	7,593,704	*0.00*	0.00	0.00
streams pool	KTG hash buckets	1,320,432	1,320,432	*0.00*	1,320,432	1,320,432	*0.00*	0.00	0.00
streams pool	free memory	2,868,712	2,868,712	*0.00*	2,868,712	2,868,712	*0.00*	0.00	0.00
	buffer_cache	20,971,520	16,777,216	*-20.00*	16,777,216	16,777,216	*0.00*	-20.00	0.00
	fixed_sga	2,227,944	2,227,944	*0.00*	2,227,944	2,227,944	*0.00*	0.00	0.00
	log_buffer	4,747,264	4,747,264	*0.00*	4,747,264	4,747,264	*0.00*	0.00	0.00

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Streams Statistics

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Streams by CPU Time

- **Ordered by Absolute value of '%Diff' column of 'CPU Time'**
- **CPU and I/O Time in seconds**

	CPU Time (sec)			User I/O Time (sec)			System I/O Time (sec)		
Session Type	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff
QMON Slaves	0.02	0.01	-31.24	0.00	0.00	-100.00	0.00	0.00	0.00
QMON Coordinator	0.01	0.01	14.29	0.00	0.00	0.00	0.00	0.00	0.00

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Streams by IO Time

- **Ordered by Absolute value of 'Total %Diff' column of 'IO Time'**
- **CPU and I/O Time in seconds**

	IO Time (sec)							CPU Time (sec)		
Session Type	1st User	1st System	1st Total	2nd User	2nd System	2nd Total	Total %Diff	1st	2nd	%Diff
QMON Slaves	0.00	0.00	0.00	0.00	0.00	0.00	-100.00	0.02	0.01	-31.24
QMON Coordinator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	14.29

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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 Subscribers

No data exists for this section of the report.

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Rule Set by Evaluations

No data exists for this section of the report.

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Rule Set by Elapsed Time

No data exists for this section of the report.

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Persistent Queues

- **Data accumulates from the most recent instance startup for each interval**
- **Queue Name prefixed by * indicates queue activity (re)started between Begin/End snapshots**
- **%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**
- **Ordered by absolute value of '%Diff' column of 'Enq Msgs', descending**

	Enq Msgs			Deq Msgs			%Delay Msgs		%Exp Msgs		Enq Time(s)			Deq Time(s)			%Transf Time		%Eval Time	
Queue Name	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	1st	2nd	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	1st	2nd
SYSMAN.MGMT_TASK_Q(13576)	11	10	-9.09	11	10	-9.09	0.00	0.00	0.00	0.00	0.04	0.01	-75.00	0.08	0.02	-75.00	0.00	0.00	0.00	0.00
SYS.ALERT_QUE(12718)	0	0	0.00	0	0	0.00					0.00	0.00	0.00	0.00	0.00	0.00				
SYSMAN.MGMT_NOTIFY_Q(13906)	0	0	0.00	0	0	0.00					0.00	0.00	0.00	0.00	0.00	0.00				

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Persistent Queues Rate

- **Data accumulates from the most recent instance startup for each interval**
- **Queue Name prefixed by * indicates queue activity (re)started between Begin/End snapshots**
- **Ordered by absolute value of '%Diff' column of 'Enqueue Msgs/sec', descending**

	Enqueue Msgs/sec			Dequeue Msgs/sec			Avg Enqueue sec / msg			Avg Dequeue sec / msg		
Queue Name	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff
SYS.ALERT_QUE(12718)	0.00	0.00	0.00	0.00	0.00	0.00			0.00			0.00
SYSMAN.MGMT_NOTIFY_Q(13906)	0.00	0.00	0.00	0.00	0.00	0.00			0.00			0.00
SYSMAN.MGMT_TASK_Q(13576)	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.01	0.00	-100.00

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Persistent Queue Subscribers

- **Data accumulates from the most recent instance startup for each interval**
- **Subscriber/Queue Name prefixed by * indicates subscriber activity (re)started between Begin/End snapshots**
- **Ordered by absolute value of '%Diff' column of 'Enq Msgs', descending**

	Enqueue Msgs			Dequeue Msgs			Expire Msgs			Enqueue Msgs/sec			Dequeue Msgs/sec			Expire Msgs/sec		
Subscriber/Queue Name	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff
HAE_SUB(1)/SYS.ALERT_QUE	0	0	0.00	0	0	0.00	0	0	0.00			0.00			0.00			0.00
UHESSE1_LOCAL_3938_PRIMA(41)/ SYS.ALERT_QUE	0	0	0.00	0	0	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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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 Servers				Avg Active Shared Servers				Avg Total Dispatchers				Avg Active Dispatchers			
1st	2nd	Diff	%Diff	1st	2nd	Diff	%Diff	1st	2nd	Diff	%Diff	1st	2nd	Diff	%Diff	1st	2nd	Diff	%Diff	1st	2nd	Diff	%Diff
0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00

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Shared Servers Rates

Common Queue Per Sec				Dispatcher Queue Per Sec				Server Messages Per Sec				Server KB Per Sec				Common Queue Total			Dispatcher Queue Total			Server Total Messages			Server Total KB		
1st	2nd	Diff	% Diff	1st	2nd	Diff	% Diff	1st	2nd	Diff	% Diff	1st	2nd	Diff	% Diff	1st	2nd	% Diff	1st	2nd	% Diff	1st	2nd	% Diff	1st	2nd	% Diff
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00

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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

Avg Connections (per Dispatcher)			Avg %Busy			Avg %Idle			Total Queued (all Dispatchers)			Average Queued per Dispatcher			Average Queued Wait (ms)		
1st	2nd	%Diff	1st	2nd	Diff	1st	2nd	Diff	1st	2nd	%Diff	1st	2nd	%Diff	1st	2nd	%Diff
					0.00			0.00									

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Dynamic Remastering Stats

No data exists for this section of the report.

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init.ora Parameters

- init.ora Parameters

- init.ora Multi-Valued Parameters

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init.ora Parameters

- **Only explicitly set parameters are included**
- **Parameters values for the Begin Snapshot are shown only if they differ from those for the Bnd snapshot**
- **Parameters values for the second period are shown only if they differ from those for the first period**
- **Value '(DEFAULT)' indicates that parameter was not set for the period**

	1st Period		2nd Period	
Parameter Name	Begin Snap Value	End Snap Value	Begin Snap Value	End Snap Value
__db_cache_size	20971520	16777216		
__java_pool_size		4194304		
__large_pool_size		4194304		
__oracle_base		/u01/app/oracle		
__pga_aggregate_target		125829120		
__sga_target		188743680		
__shared_io_pool_size		0		
__shared_pool_size	146800640	150994944		
__streams_pool_size		4194304		
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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Complete List of SQL Text

SQL Id	SQL Text

04td0fvwdyqwt	insert into WRH$_PERSISTENT_SUBSCRIBERS (snap_id, dbid, instance_number, queue_schema, queue_name, subscriber_id, subscriber_name, subscriber_address, subscriber_type, first_activity_time, enqueued_msgs, dequeued_msgs, avg_msg_age, browsed_msgs, expired_msgs, dequeued_msg_latency, last_enqueue_time, last_dequeue_time, elapsed_dequeue_time, dequeue_cpu_time, dequeue_transactions, execution_count) select * from (select :snap_id, :dbid, :instance_number, ss.queue_schema, ss.queue_name, ss.subscriber_id, ss.subscriber_name, ss.subscriber_address, ss.subscriber_type, ss.first_activity_time, ss.enqueued_msgs, ss.dequeued_msgs, ss.avg_msg_age, ss.browsed_msgs, ss.expired_msgs, ss.dequeued_msg_latency, ss.last_enqueue_time, ss.last_dequeue_time , elapsed_dequeue_time, ss.dequeue_cpu_time, ss.dequeue_transactions, ss.execution_count from v$persistent_subscribers ss where subscriber_id <> 0 order by ss.enqueued_msgs desc) where rownum <= 25
05sghzkq6r6yv	select ts#, file#, block#, cols, nvl(size$, -1), pctfree$, pctused$, initrans, maxtrans, hashkeys, func, extind, avgchn, nvl(degree, 1), nvl(instances, 1), nvl(flags, 0), nvl(spare1, 0)from clu$ where obj#=:1
05tfr3xvv1nfw	begin execute immediate 'alter session set NLS_DATE_FORMAT="YYYY-MM-DD HH24:MI:SS"';end;
05xcf43d9psvm	SELECT NVL(SUM(FAILURES), 0) FROM SYS.DBA_QUEUE_SCHEDULES
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
0kugqg48477gf	select distinct(-privilege#), nvl(option$, 0) from sysauth$ where 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)
0xqn4sx1ytghr	select /*+ first_rows(1) no_expand */ tab.msgid from "SYSMAN"."AQ$_MGMT_TASK_QTABLE_F" tab where q_name = :1 and (state = :2) and queue_id = :3 and (tab.user_data.scheduled_time <= CAST(SYS_EXTRACT_UTC(SYSTIMESTAMP) AS DATE) AND (tab.user_data.message_code = 0 OR tab.user_data.message_code = 1))
0z0294g9y8uyq	SELECT UTC.COLUMN_NAME, UTC.DATA_TYPE FROM USER_TAB_COLUMNS UTC WHERE UTC.TABLE_NAME = UPPER(:B1) AND (UTC.DATA_TYPE = 'CLOB' OR UTC.DATA_TYPE = 'BLOB')
11736fkk95kp8	SELECT DECODE(s.message_nlsid, '3514', 1, '3515', 2) FROM mgmt_targets t, mgmt_current_severity s WHERE t.target_type = :1 AND t.target_name = :2 AND s.message_nlsid in ('3514', '3515') AND t.target_guid = s.target_guid
12xttzc893c2g	insert into WRH$_RSRC_CONSUMER_GROUP (snap_id, dbid, instance_number, sequence#, consumer_group_id, consumer_group_name, requests, cpu_wait_time, cpu_waits, consumed_cpu_time, yields, active_sess_limit_hit, undo_limit_hit, switches_in_cpu_time, switches_out_cpu_time, switches_in_io_megabytes, switches_out_io_megabytes, switches_in_io_requests, switches_out_io_requests, sql_canceled, active_sess_killed, idle_sess_killed, idle_blkr_sess_killed, queued_time, queue_time_outs, io_service_time, io_service_waits, small_read_megabytes, small_write_megabytes, large_read_megabytes, large_write_megabytes, small_read_requests, small_write_requests, large_read_requests, large_write_requests, pqs_queued, pq_queued_time, pq_queue_time_outs, pqs_completed, pq_servers_used, pq_active_time) (select :snap_id, :dbid, :instance_number, cg.sequence#, cg.id, cg.name, cg.requests, cg.cpu_wait_time, cg.cpu_waits, cg.consumed_cpu_time, cg.yields, cg.active_sess_limit_hit, cg.undo_limit_hit, cg.switches_in_cpu_time, cg.switches_out_cpu_time, cg.switches_in_io_megabytes, cg.switches_out_io_megabytes, cg.switches_in_io_requests, cg.switches_out_io_requests, cg.sql_canceled, cg.active_sess_killed, cg.idle_sess_killed, cg.idle_blkr_sess_killed, cg.queued_time, cg.queue_time_outs, cg.io_service_time, cg.io_service_waits, cg.small_read_megabytes, cg.small_write_megabytes, cg.large_read_megabytes, cg.large_write_megabytes, cg.small_read_requests, cg.small_write_requests, cg.large_read_requests, cg.large_write_requests, cg.pqs_queued, cg.pq_queued_time, cg.pq_queue_time_outs, cg.pqs_completed, cg.pq_servers_used, cg.pq_active_time from v$rsrc_cons_group_history cg, v$rsrc_plan_history pl where cg.sequence# = pl.sequence# and pl.id is not null)
13x1kjfndn2ub	SELECT METRIC_GUID FROM MGMT_METRICS WHERE TARGET_TYPE = :B3 AND METRIC_NAME = :B2 AND METRIC_COLUMN = :B1 AND ROWNUM = 1
157t5gpvwmud7	DELETE FROM T WHERE DUMMY=TO_CHAR(:B1)
1583aypkbc97m	BEGIN EMD_LOADER.END_UPLOAD(:1, :2, :3, :4, :5); END;
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# (+)
1mjd9xp80vuqa	select node, owner, name from syn$ where obj#=:1
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#
2tkw12w5k68vd	select user#, password, datats#, tempts#, type#, defrole, resource$, ptime, decode(defschclass, NULL, 'DEFAULT_CONSUMER_GROUP', defschclass), spare1, spare4, ext_username, spare2 from user$ where name=:1
32bhha21dkv0v	select col#, intcol#, charsetid, charsetform from col$ where obj#=:1 order by intcol# asc
32hbap2vtmf53	select position#, sequence#, level#, argument, type#, charsetid, charsetform, properties, nvl(length, 0), nvl(precision#, 0), nvl(scale, 0), nvl(radix, 0), type_owner, type_name, type_subname, type_linkname, pls_type from argument$ where obj#=:1 and procedure#=:2 order by sequence# desc
350f5yrnnmshs	lock table sys.mon_mods$ in exclusive mode nowait
39m4sx9k63ba2	select /*+ index(idl_ub2$ i_idl_ub21) +*/ piece#, length, piece from idl_ub2$ where obj#=:1 and part=:2 and version=:3 order by piece#
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
3d0537zmn35rz	insert into wrh$_sess_time_stats (snap_id, dbid, instance_number, session_type, min_logon_time, sum_cpu_time, sum_sys_io_wait, sum_user_io_wait) select :snap_id, :dbid, :instance_number, type, min(logon_time) min_logon_time, sum(cpu_time) cpu_time, sum(sys_io_wait) sys_io_wait, sum(user_io_wait) user_io_wait from (select sid, serial#, max(type) type, max(logon_time) logon_time, max(cpu_time) cpu_time, sum(case when kslcsclsname = 'System I/O' then kslcstim else 0 end) as sys_io_wait, sum(case when kslcsclsname ='User I/O' then kslcstim else 0 end) as user_io_wait from (select /*+ ordered */ allsids.sid sid, allsids.serial# serial#, max(type) type, max(logon_time) logon_time, sum(kewsval) cpu_time from (select type, allsids.sid, sess.ksuseser as serial#, sess.ksuseltm as logon_time from (select /*+ ordered index(p) */ s.indx as sid, decode(l.role, 'reader', 'Logminer Reader', 'preparer', 'Logminer Preparer', 'builder', 'Logminer Builder') as type from x$logmnr_process l, x$ksupr p, x$ksuse s where l.role in ('reader', 'preparer', 'builder') and l.pid = p.indx and bitand(p.ksspaflg, 1)!=0 and p.ksuprpid = s.ksusepid union all select sid_knst as sid, decode(type_knst, 8, 'STREAMS Capture', 7, 'STREAMS Apply Reader', 2, 'STREAMS Apply Server', 1, 'STREAMS Apply Coordinator') as type from x$knstcap where type_knst in (8, 7, 2, 1) union all select indx as sid, (case when ksusepnm like '%(Q00%)' then 'QMON Slaves' else 'QMON Coordinator' end) as type from x$ksuse where ksusepnm like '%(Q00%)' or ksusepnm like '%(QMNC)' union all select kwqpssid as sid, 'Propagation Sender' as type from x$kwqps union all select kwqpdsid as sid, 'Propagation Receiver' as type from x$kwqpd union all select proxy_sid_knstasl as sid, 'Apply Network Receiver' as type from x$knstasl a where type_knst = 7 and proxy_sid_knstasl is not null and not exists (select 1 from x$knstcap x where type_knst = 8 and x.sid_knst = a.proxy_sid_knstasl)) allsids, x$ksuse sess where bitand(sess.ksspaflg, 1) != 0 and bitand(sess.ksuseflg, 1) != 0 and allsids.sid = sess.indx) allsids, x$kewssesv sesv, x$kewssmap map where allsids.sid = sesv.ksusenum and sesv.kewsnum = map.soffst and map.aggid = 1 and (map.stype = 2 or map.stype = 3) and map.sname in ('DB CPU', 'background cpu time') group by sid, serial#) allaggr, x$kslcs allio where allaggr.sid = allio.kslcssid(+) and allio.kslcsclsname in ('System I/O', 'User I/O') group by allaggr.sid, allaggr.serial#) group by type
3g7sxtj9d6zd3	select privilege#, nvl(col#, 0), max(mod(nvl(option$, 0), 2))from objauth$ where obj#=:1 and grantee#=:2 group by privilege#, nvl(col#, 0)
3ktacv9r56b51	select owner#, name, namespace, remoteowner, linkname, p_timestamp, p_obj#, nvl(property, 0), subname, type#, d_attrs from dependency$ d, obj$ o where d_obj#=:1 and p_obj#=obj#(+) order by order#
3nkd3g3ju5ph1	select obj#, type#, ctime, mtime, stime, status, dataobj#, flags, oid$, spare1, spare2 from obj$ where owner#=:1 and name=:2 and namespace=:3 and remoteowner is null and linkname is null and subname is null
3w4qs0tbpmxr6	select con#, obj#, rcon#, enabled, nvl(defer, 0), spare2, spare3 from cdef$ where robj#=:1
47r1y8yn34jmj	select default$ from col$ where rowid=:1
48sb36jvxc8zj	SELECT /* OPT_DYN_SAMP */ /*+ ALL_ROWS IGNORE_WHERE_CLAUSE NO_PARALLEL(SAMPLESUB) opt_param('parallel_execution_enabled', 'false') NO_PARALLEL_INDEX(SAMPLESUB) NO_SQL_TUNE */

	NVL(SUM(C1), :"SYS_B_0"), NVL(SUM(C2), :"SYS_B_1") FROM (SELECT /*+ IGNORE_WHERE_CLAUSE NO_PARALLEL("T") FULL("T") NO_PARALLEL_INDEX("T") */ :"SYS_B_2" AS C1, CASE WHEN TO_NUMBER("T"."DUMMY")=:"SYS_B_3" THEN :"SYS_B_4" ELSE :"SYS_B_5" END AS C2 FROM "ADAM"."T" "T") SAMPLESUB
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
4jrfrtx4u6zcx	SELECT TASK_TGT.TARGET_GUID TARGET_GUID, LEAD(TASK_TGT.TARGET_GUID, 1) OVER (ORDER BY TASK_TGT.TARGET_GUID, POLICY.POLICY_GUID, CFG.EVAL_ORDER) NEXT_TARGET_GUID, POLICY.POLICY_GUID POLICY_GUID, LEAD(POLICY.POLICY_GUID, 1) OVER (ORDER BY TASK_TGT.TARGET_GUID, POLICY.POLICY_GUID, CFG.EVAL_ORDER) NEXT_POLICY_GUID, POLICY.POLICY_NAME, POLICY.POLICY_TYPE, DECODE(POLICY.POLICY_TYPE, :B3 , NVL(CFG.MESSAGE, POLICY.MESSAGE), :B9 , CFG.MESSAGE, NULL) MESSAGE, DECODE(POLICY.POLICY_TYPE, :B3 , NVL(CFG.MESSAGE_NLSID, POLICY.MESSAGE_NLSID), :B9 , CFG.MESSAGE_NLSID, NULL) MESSAGE_NLSID, DECODE(POLICY.POLICY_TYPE, :B3 , NVL(CFG.CLEAR_MESSAGE, POLICY.CLEAR_MESSAGE), :B9 , CFG.CLEAR_MESSAGE, NULL) CLEAR_MESSAGE, DECODE(POLICY.POLICY_TYPE, :B3 , NVL(CFG.CLEAR_MESSAGE_NLSID, POLICY.CLEAR_MESSAGE_NLSID), :B9 , CFG.CLEAR_MESSAGE_NLSID, NULL) CLEAR_MESSAGE_NLSID, POLICY.REPO_TIMING_ENABLED, TASK_TGT.COLL_NAME , POLICY.VIOLATION_LEVEL, DECODE(POLICY.POLICY_TYPE, :B3 , :B10 , 0) VIOLATION_TYPE, POLICY.CONDITION_TYPE, POLICY.CONDITION, DECODE(POLICY.POLICY_TYPE, :B3 , NVL(CFG.CONDITION_OPERATOR, POLICY.CONDITION_OPERATOR), :B9 , CFG.CONDITION_OPERATOR, 0) CONDITION_OPERATOR, CFG.KEY_VALUE, CFG.KEY_OPERATOR, CFG.IS_EXCEPTION, CFG.NUM_OCCURRENCES, NULL EVALUATION_DATE, DECODE(CFG.IS_EXCEPTION, :B1 , MGMT_POLICY_PARAM_VAL_ARRAY(), CAST(MULTISET(SELECT MGMT_POLICY_PARAM_VAL.NEW(PARAM_NAME, CRIT_THRESHOLD, WARN_THRESHOLD, INFO_THRESHOLD) FROM MGMT_POLICY_ASSOC_CFG_PARAMS PARAM WHERE PARAM.OBJECT_GUID = CFG.OBJECT_GUID AND PARAM.POLICY_GUID = CFG.POLICY_GUID AND PARAM.COLL_NAME = CFG.COLL_NAME AND PARAM.KEY_VALUE = CFG.KEY_VALUE AND PARAM.KEY_OPERATOR = CFG.KEY_OPERATOR) AS MGMT_POLICY_PARAM_VAL_ARRAY)) PARAMS, DECODE(POLICY.CONDITION_TYPE, :B8 , CAST(MULTISET(SELECT MGMT_NAMEVALUE_OBJ.NEW(BIND_COLUMN_NAME, BIND_COLUMN_TYPE) FROM MGMT_POLICY_BIND_VARS BINDS WHERE BINDS.POLICY_GUID = POLICY.POLICY_GUID) AS MGMT_NAMEVALUE_ARRAY), MGMT_NAMEVALUE_ARRAY()) BINDS, DECODE(:B7 , 0, MGMT_MEDIUM_STRING_ARRAY(), 1, MGMT_MEDIUM_STRING_ARRAY(CFG.KEY_VALUE), CAST((SELECT MGMT_MEDIUM_STRING_ARRAY(KEY_PART1_VALUE, KEY_PART2_VALUE, KEY_PART3_VALUE, KEY_PART4_VALUE, KEY_PART5_VALUE) FROM MGMT_METRICS_COMPOSITE_KEYS COMP_KEYS WHERE COMP_KEYS.COMPOSITE_KEY = CFG.KEY_VALUE AND COMP_KEYS.TARGET_GUID = CFG.OBJECT_GUID) AS MGMT_MEDIUM_STRING_ARRAY)) KEY_VALUES FROM MGMT_POLICIES POLICY, MGMT_POLICY_ASSOC ASSOC, MGMT_POLICY_ASSOC_CFG CFG, MGMT_COLLECTION_METRIC_TASKS TASK_TGT WHERE TASK_TGT.TASK_ID = :B6 AND POLICY.METRIC_GUID = :B5 AND ASSOC.OBJECT_GUID = TASK_TGT.TARGET_GUID AND POLICY.POLICY_TYPE != :B4 AND (POLICY.POLICY_TYPE = :B3 OR ASSOC.COLL_NAME = TASK_TGT.COLL_NAME) AND ASSOC.POLICY_GUID = POLICY.POLICY_GUID AND ASSOC.OBJECT_TYPE = :B2 AND ASSOC.IS_ENABLED = :B1 AND CFG.OBJECT_GUID = ASSOC.OBJECT_GUID AND CFG.COLL_NAME = ASSOC.COLL_NAME AND CFG.POLICY_GUID = ASSOC.POLICY_GUID ORDER BY TASK_TGT.TARGET_GUID, POLICY.POLICY_GUID, CFG.EVAL_ORDER , CFG.KEY_VALUE DESC
53saa2zkr6wc3	select intcol#, nvl(pos#, 0), col#, nvl(spare1, 0) from ccol$ where con#=:1
5ax0q1md1w99p	select s.inst_id, s.addr, s.indx, s.ksuseser, s.ksuudses, s.ksusepro, s.ksuudlui, s.ksuudlna, s.ksuudoct, s.ksusesow, decode(s.ksusetrn, hextoraw('00'), null, s.ksusetrn), decode(s.ksqpswat, hextoraw('00'), null, s.ksqpswat), decode(bitand(s.ksuseidl, 11), 1, 'ACTIVE', 0, decode(bitand(s.ksuseflg, 4096), 0, 'INACTIVE', 'CACHED'), 2, 'SNIPED', 3, 'SNIPED', 'KILLED'), decode(s.ksspatyp, 1, 'DEDICATED', 2, 'SHARED', 3, 'PSEUDO', 4, 'POOLED', 'NONE'), s.ksuudsid, s.ksuudsna, s.ksuseunm, s.ksusepid, s.ksusemnm, s.ksusemnp, s.ksusetid, s.ksusepnm, decode(bitand(s.ksuseflg, 19), 17, 'BACKGROUND', 1, 'USER', 2, 'RECURSIVE', '?'), s.ksusesql, s.ksusesqh, s.ksusesqi, decode(s.ksusesch, 65535, to_number(null), s.ksusesch), s.ksusesesta, decode(s.ksuseseid, 0, to_number(null), s.ksuseseid), s.ksusepsq, s.ksusepha, s.ksusepsi, decode(s.ksusepch, 65535, to_number(null), s.ksusepch), s.ksusepesta, decode(s.ksusepeid, 0, to_number(null), s.ksusepeid), decode(s.ksusepeo, 0, to_number(null), s.ksusepeo), decode(s.ksusepeo, 0, to_number(null), s.ksusepes), decode(s.ksusepco, 0, to_number(null), decode(bitand(s.ksusstmbv, power(2, 11)), power(2, 11), s.ksusepco, to_number(null))), decode(s.ksusepcs, 0, to_number(null), decode(bitand(s.ksusstmbv, power(2, 11)), power(2, 11), s.ksusepcs, to_number(null))), s.ksuseapp, s.ksuseaph, s.ksuseact, s.ksuseach, s.ksusecli, s.ksusefix, s.ksuseobj, s.ksusefil, s.ksuseblk, s.ksuseslt, s.ksuseorafn, s.ksuseltm, s.ksusectm, decode(bitand(s.ksusepxopt, 12), 0, 'NO', 'YES'), decode(s.ksuseft, 2, 'SESSION', 4, 'SELECT', 8, 'TRANSACTIONAL', 'NONE'), decode(s.ksusefm, 1, 'BASIC', 2, 'PRECONNECT', 4, 'PREPARSE', 'NONE'), decode(s.ksusefs, 1, 'YES', 'NO'), s.ksusegrp, decode(bitand(s.ksusepxopt, 4), 4, 'ENABLED', decode(bitand(s.ksusepxopt, 8), 8, 'FORCED', 'DISABLED')), decode(bitand(s.ksusepxopt, 2), 2, 'FORCED', decode(bitand(s.ksusepxopt, 1), 1, 'DISABLED', 'ENABLED')), decode(bitand(s.ksusepxopt, 32), 32, 'FORCED', decode(bitand(s.ksusepxopt, 16), 16, 'DISABLED',

	'ENABLED')), s.ksusecqd, s.ksuseclid, decode(s.ksuseblocker, 4294967295, 'UNKNOWN', 4294967294, 'UNKNOWN', 4294967293, 'UNKNOWN', 4294967292, 'NO HOLDER', 4294967291, 'NOT IN WAIT', 'VALID'), decode(s.ksuseblocker, 4294967295, to_number(null), 4294967294, to_number(null), 4294967293, to_number(null), 4294967292, to_number(null), 4294967291, to_number(null), bitand(s.ksuseblocker, 2147418112)/65536), decode(s.ksuseblocker, 4294967295, to_number(null), 4294967294, to_number(null), 4294967293, to_number(null), 4294967292, to_number(null), 4294967291, to_number(null), bitand(s.ksuseblocker, 65535)), decode(s.ksusefblocker, 4294967295, 'UNKNOWN', 4294967294, 'UNKNOWN', 4294967293, 'UNKNOWN', 4294967292, 'NO HOLDER', 4294967291, 'NOT IN WAIT', 'VALID'), decode(s.ksusefblocker, 4294967295, to_number(null), 4294967294, to_number(null), 4294967293, to_number(null), 4294967292, to_number(null), 4294967291, to_number(null), bitand(s.ksusefblocker, 2147418112)/65536), decode(s.ksusefblocker, 4294967295, to_number(null), 4294967294, to_number(null), 4294967293, to_number(null), 4294967292, to_number(null), 4294967291, to_number(null), bitand(s.ksusefblocker, 65535)), w.kslwtseq, w.kslwtevt, e.kslednam, e.ksledp1, w.kslwtp1, w.kslwtp1r, e.ksledp2, w.kslwtp2, w.kslwtp2r, e.ksledp3, w.kslwtp3, w.kslwtp3r, e.ksledclassid, e.ksledclass#, e.ksledclass, decode(w.kslwtinwait, 0, decode(bitand(w.kslwtflags, 256), 0, -2, decode(round(w.kslwtstime/10000), 0, -1, round(w.kslwtstime/10000))), 0), decode(w.kslwtinwait, 0, round((w.kslwtstime+w.kslwtltime)/1000000), round(w.kslwtstime/1000000)), decode(w.kslwtinwait, 1, 'WAITING', decode(bitand(w.kslwtflags, 256), 0, 'WAITED UNKNOWN TIME', decode(round(w.kslwtstime/10000), 0, 'WAITED SHORT TIME', 'WAITED KNOWN TIME'))), w.kslwtstime, decode(w.kslwtinwait, 0, to_number(null), decode(bitand(w.kslwtflags, 64), 64, 0, w.kslwttrem)), w.kslwtltime, s.ksusesvc, decode(bitand(s.ksuseflg2, 32), 32, 'ENABLED', 'DISABLED'), decode(bitand(s.ksuseflg2, 64), 64, 'TRUE', 'FALSE'), decode(bitand(s.ksuseflg2, 128), 128, 'TRUE', 'FALSE'), decode(bitand(s.ksuseflg2, 65536) + bitand(s.ksuseflg2, 131072), 65536, 'ALL EXEC', 131072, 'NEVER', 0, 'FIRST EXEC'), s.ksuudsae, s.ksusecre, s.ksusecsn, s.ksuseecid from x$ksuse s, x$ksled e, x$kslwt w where bitand(s.ksspaflg, 1)!=0 and bitand(s.ksuseflg, 1)!=0 and s.indx=w.kslwtsid and w.kslwtevt=e.indx
5fk0v8km2f811	select propagation_name, 'BUFFERED', num_msgs ready, 0 from gv$buffered_subscribers b, dba_propagation p, dba_queues q, dba_queue_tables t where b.subscriber_name = p.propagation_name and b.subscriber_address = p.destination_dblink and b.queue_schema = p.source_queue_owner and b.queue_name = p.source_queue_name and p.source_queue_name = q.name and p.source_queue_owner = q.owner and q.queue_table = t.queue_table and b.inst_id=t.owner_instance
5ms6rbzdnq16t	select job, nvl2(last_date, 1, 0) from sys.job$ where (((:1 <= next_date) and (next_date <= :2)) or ((last_date is null) and (next_date < :3))) and (field1 = :4 or (field1 = 0 and 'Y' = :5)) and (this_date is null) and ((dbms_logstdby.db_is_logstdby = 0 and job < 1000000000) or (dbms_logstdby.db_is_logstdby = 1 and job >= 1000000000)) order by next_date, job
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#
6dthwhyzv39pc	SELECT TGT.TARGET_GUID, TO_DATE(LIST.UPLOAD_TIME, :B3) LOAD_TIME FROM TABLE(CAST(:B1 AS EM_LOADER_UPLOAD_TIME_ARRAY)) LIST, MGMT_TARGETS TGT WHERE TGT.TARGET_GUID = HEXTORAW(LIST.TARGET_GUID) ORDER BY DECODE(TGT.TARGET_TYPE, :B2 , 1, 2), TGT.TARGET_TYPE, TGT.TARGET_NAME
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;
6k5agh28pr3wp	select propagation_name streams_name, 'PROPAGATION' streams_type, '"'||destination_queue_owner||'".'"'||destination_queue_name||'"'@'||destination_dblink address, queue_table, owner, source_queue_name from dba_queues, dba_propagation where owner=SOURCE_QUEUE_OWNER and SOURCE_QUEUE_NAME=name
6qz82dptj0qr7	select l.col#, l.intcol#, l.lobj#, l.ind#, l.ts#, l.file#, l.block#, l.chunk, l.pctversion$, l.flags, l.property, l.retention, l.freepools from lob$ l where l.obj# = :1 order by l.intcol# asc
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;
6xwzs8m2xpx6m	SELECT FILE_NO, FILETYPE_ID, FILETYPE_NAME, 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, ASYNCH_IO, ACCESS_METHOD, RETRIES_ON_ERROR FROM GV$IOSTAT_FILE where inst_id=USERENV('Instance')
7jpc15g8hms4w	BEGIN EMD_LOADER.GET_TABLE_OBJECT(:1, :2, :3, :4); END;

7k6zct1sya530	insert into WRH$_STREAMS_APPLY_SUM (snap_id, dbid, instance_number, apply_name, startup_time, reader_total_messages_dequeued, reader_lag, coord_total_received, coord_total_applied, coord_total_rollbacks, coord_total_wait_deps, coord_total_wait_cmts, coord_lwm_lag, server_total_messages_applied, server_elapsed_dequeue_time, server_elapsed_apply_time) select * from (select :snap_id, :dbid, :instance_number, ac.apply_name, ac.startup_time, ar.total_messages_dequeued, ar.dequeue_time - ar.dequeued_message_create_time, ac.total_received, ac.total_applied, ac.total_rollbacks, ac.total_wait_deps, ac.total_wait_commits, ac.lwm_time - ac.lwm_message_create_time, al.total_messages_applied, al.elapsed_dequeue_time, al.elapsed_apply_time from v$streams_apply_coordinator ac, v$streams_apply_reader ar, (select apply_name, sum(total_messages_applied) total_messages_applied, sum(elapsed_dequeue_time) elapsed_dequeue_time, sum(elapsed_apply_time) elapsed_apply_time from v$streams_apply_server group by apply_name) al where al.apply_name=ac.apply_name and ar.apply_name=ac.apply_name order by ac.total_applied desc) where rownum <= 25
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#
7wt7phk4xns75	select a.capture_name streams_process_name, a.status streams_process_status, 'CAPTURE' streams_process_type, COUNT(a.error_message) from dba_capture a group by a.capture_name, a.status union all select a.propagation_name streams_process_name, a.status streams_process_status, 'PROPAGATION' streams_process_type, COUNT(a.error_message) from dba_propagation a group by a.propagation_name, a.status union all select a.apply_name streams_process_name, a.status streams_process_status, 'APPLY' streams_process_type, COUNT(a.error_message) from dba_apply a group by a.apply_name, a.status
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#
8swypbbr0m372	select order#, columns, types from access$ where d_obj#=:1
8t43xdhf4d9x2	SELECT CONTEXT_TYPE_ID, CONTEXT_TYPE, TRACE_LEVEL, NULL, NULL FROM EMDW_TRACE_CONFIG WHERE CONTEXT_TYPE = UPPER(:B1)
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$streams_apply_coordinator r, dba_apply a, dba_queues q, dba_queue_tables t where r.apply_name = a.apply_name and a.queue_name = q.name and a.queue_owner = q.owner and q.queue_table = t.queue_table and q.owner=t.owner and r.inst_id = t.owner_instance
9juw6s4yy5pzp	/* OracleOEM */ SELECT SUM(broken), SUM(failed) FROM (SELECT DECODE(STATE, 'BROKEN', 1, 0) broken, DECODE(STATE, 'FAILED', 1, 0) failed FROM DBA_SCHEDULER_JOBS)
a5pyncg7v0bw3	/* OracleOEM */ SELECT PROPAGATION_NAME, MESSAGE_DELIVERY_MODE, TOTAL_NUMBER, TOTAL_BYTES/1024 KBYTES FROM DBA_PROPAGATION P, DBA_QUEUE_SCHEDULES Q WHERE P.SOURCE_QUEUE_NAME = Q.QNAME AND P.SOURCE_QUEUE_OWNER = Q.SCHEMA AND MESSAGE_DELIVERY_MODE='BUFFERED' AND Q.DESTINATION LIKE '%'||P.DESTINATION_DBLINK||'%'
ab5btgh76akb6	delete from "SYSMAN"."MGMT_JOB_STEP_TARGETS" where "STEP_ID" = :1
amd5hyc0by138	SELECT k.inst_id, k.FILENO_KSFDSTFILE, 2, 'Data File', round(k.SBRDATA_KSFDSTFILE / 2048), round(k.SBWDATA_KSFDSTFILE / 2048), round(k.MBRDATA_KSFDSTFILE / 2048), round(k.MBWDATA_KSFDSTFILE / 2048), k.SBRSREQS_KSFDSTFILE, k.SBWSREQS_KSFDSTFILE, k.SSBRREQS_KSFDSTFILE, k.MBRSREQS_KSFDSTFILE, k.MBWSREQS_KSFDSTFILE, k.SBRSERV_KSFDSTFILE, k.SBWSERV_KSFDSTFILE, k.SSBRLATENCY_KSFDSTFILE, k.MBRSERV_KSFDSTFILE, k.MBWSERV_KSFDSTFILE, decode(bitand(k.FLAGS_KSFDSTFILE, 4), 0, 'ASYNC_OFF', 'ASYNC_ON'), decode(k.ACCESS_KSFDSTFILE, 1, 'OS_LIB', 2, 'ODM_LIB', 3, 'ASM_MANAGED', 4, 'DNFS_LIB'), k.RETRIES_KSFDSTFILE FROM X$KSFDSTFILE k, x$kccfe f where f.fedup <> 0 and f.fenum=k.FILENO_KSFDSTFILE and k.FILETYPE_KSFDSTFILE=2 union SELECT k.inst_id, k.FILENO_KSFDSTFILE, 6, 'Temp File', round(k.SBRDATA_KSFDSTFILE / 2048), round(k.SBWDATA_KSFDSTFILE / 2048), round(k.MBRDATA_KSFDSTFILE / 2048), round(k.MBWDATA_KSFDSTFILE / 2048), k.SBRSREQS_KSFDSTFILE, k.SBWSREQS_KSFDSTFILE, k.SSBRREQS_KSFDSTFILE, k.MBRSREQS_KSFDSTFILE, k.MBWSREQS_KSFDSTFILE, k.SBRSERV_KSFDSTFILE, k.SBWSERV_KSFDSTFILE, k.SSBRLATENCY_KSFDSTFILE, k.MBRSERV_KSFDSTFILE, k.MBWSERV_KSFDSTFILE, decode(bitand(k.FLAGS_KSFDSTFILE, 4), 0, 'ASYNC_OFF', 'ASYNC_ON'), decode(k.ACCESS_KSFDSTFILE, 1, 'OS_LIB', 2, 'ODM_LIB', 3, 'ASM_MANAGED', 4, 'DNFS_LIB'), k.RETRIES_KSFDSTFILE FROM X$KSFDSTFILE k, x$kcctf f where f.tfdup <> 0 and f.tfnum=k.FILENO_KSFDSTFILE and k.FILETYPE_KSFDSTFILE=6 union SELECT k.inst_id, k.FILENO_KSFDSTFILE, k.FILETYPE_KSFDSTFILE, decode(k.FILETYPE_KSFDSTFILE, 1, 'Control File', 3, 'Log File', 4, 'Archive Log', 9, 'Data File Backup', 10, 'Data File Incremental Backup', 11, 'Archive Log Backup', 12, 'Data

	File Copy', 17, 'Flashback Log', 18, 'Data Pump Dump File', 'Other'), round(k.SBRDATA_KSFDSTFILE / 2048), round(k.SBWDATA_KSFDSTFILE / 2048), round(k.MBRDATA_KSFDSTFILE / 2048), round(k.MBWDATA_KSFDSTFILE / 2048), k.SBRSREQS_KSFDSTFILE, k.SBWSREQS_KSFDSTFILE, k.SSBRREQS_KSFDSTFILE, k.MBRSREQS_KSFDSTFILE, k.MBWSREQS_KSFDSTFILE, k.SBRSERV_KSFDSTFILE, k.SBWSERV_KSFDSTFILE, k.SSBRLATENCY_KSFDSTFILE, k.MBRSERV_KSFDSTFILE, k.MBWSERV_KSFDSTFILE, decode(bitand(k.FLAGS_KSFDSTFILE, 4), 0, 'ASYNC_OFF', 'ASYNC_ON'), decode(k.ACCESS_KSFDSTFILE, 1, 'OS_LIB', 2, 'ODM_LIB', 3, 'ASM_MANAGED', 4, 'DNFS_LIB'), k.RETRIES_KSFDSTFILE FROM X$KSFDSTFILE k where filetype_ksfdstfile in (1, 3, 4, 9, 10, 11, 12, 17, 18) union SELECT k.inst_id, 0, 0, 'Other', round(sum(k.SBRDATA_KSFDSTFILE) / 2048), round(sum(k.SBWDATA_KSFDSTFILE) / 2048), round(sum(k.MBRDATA_KSFDSTFILE) / 2048), round(sum(k.MBWDATA_KSFDSTFILE) / 2048), sum(k.SBRSREQS_KSFDSTFILE), sum(k.SBWSREQS_KSFDSTFILE), sum(k.SSBRREQS_KSFDSTFILE), sum(k.MBRSREQS_KSFDSTFILE), sum(k.MBWSREQS_KSFDSTFILE), sum(k.SBRSERV_KSFDSTFILE), sum(k.SBWSERV_KSFDSTFILE), sum(k.SSBRLATENCY_KSFDSTFILE), sum(k.MBRSERV_KSFDSTFILE), sum(k.MBWSERV_KSFDSTFILE), 'ASYNC_OFF', 'OS_LIB', sum(k.RETRIES_KSFDSTFILE) FROM X$KSFDSTFILE k where filetype_ksfdstfile in (5, 8, 13, 14, 15, 16, 19, 20, 21, 22) group by k.inst_id
b2gnxm5z6r51n	lock table sys.col_usage$ in exclusive mode nowait
b2u9kspucpqwy	SELECT COUNT(*) FROM SYS.DBA_PROPAGATION WHERE ERROR_MESSAGE IS NOT NULL
bd4bznqbq73hk	select bo#, intcol# from icoldep$ where obj#=: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
cp5caasd2udnw	/* OracleOEM */ SELECT TO_CHAR(CAST(md.end_time AS TIMESTAMP) AT TIME ZONE 'GMT', 'YYYY-MM-DD HH24:MI:SS TZD') time, md.user_wait_time_pct, md.db_time_ps db_time_users, md.cpu_time_ps db_cpu_users, DECODE(:1, 'TRUE', md.host_cpu_usage_pct, NULL) host_cpu_usage_pct, wcd.users userio_users, :2 max_cpu_cnt FROM (SELECT DISTINCT wait_class_id FROM v$event_name WHERE wait_class = 'User I/O' AND :3 = 'TRUE') wcn, (SELECT wait_class_id, intsize_csec, end_time, time_waited / intsize_csec users FROM v$waitclassmetric_history WHERE end_time >= SYSDATE - 15/(60*24)) wcd, (SELECT intsize_csec, end_time, SUM(CASE WHEN metric_name = 'Database Wait Time Ratio' THEN value ELSE 0 END) user_wait_time_pct, SUM(CASE WHEN metric_name = 'Database Time Per Sec' THEN value / 100 ELSE 0 END) db_time_ps, SUM(CASE WHEN metric_name = 'CPU Usage Per Sec' THEN value / 100 ELSE 0 END) cpu_time_ps, SUM(CASE WHEN metric_name = 'Host CPU Utilization (%)' THEN value ELSE 0 END) host_cpu_usage_pct FROM v$sysmetric_history WHERE metric_name IN ('Database Wait Time Ratio', 'Database Time Per Sec', 'CPU Usage Per Sec', 'Host CPU Utilization (%)') AND group_id = 2 AND end_time >= SYSDATE - 15/(60*24) GROUP BY intsize_csec, end_time) md WHERE wcn.wait_class_id = wcd.wait_class_id AND wcd.intsize_csec = md.intsize_csec AND wcd.end_time = md.end_time AND :4 != 'BASIC' ORDER BY md.end_time ASC
crpbwajvn27ba	begin for i in 1..100000 loop delete from t where dummy=to_char(i); end loop; end;
cvn54b7yz0s8u	select /*+ index(idl_ub1$ i_idl_ub11) +*/ piece#, length, piece from idl_ub1$ where obj#=:1 and part=:2 and version=:3 order by piece#
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$streams_apply_reader) apr WHERE apc.apply_name = apr.apply_name AND apr.apply_name = aps.apply_name
fndjrj10u6q7d	select end_time, wait_class#, (time_waited_fg)/(intsize_csec/100), (time_waited)/(intsize_csec/100), 0 from v$waitclassmetric_history union all select fg.end_time, -1, fg.value, bg.value, dbtime.value from v$sysmetric_history bg, v$sysmetric_history fg, v$sysmetric_history dbtime where bg.metric_name = 'Background CPU Usage Per Sec' and bg.group_id = 2 and fg.metric_name = 'CPU Usage Per Sec' and fg.group_id = 2 and dbtime.metric_name = 'Average Active Sessions' and dbtime.group_id = 2 and bg.end_time = fg.end_time and fg.end_time = dbtime.end_time order by end_time, wait_class#
frvryd3rr8fag	begin for i in 1..100000 loop execute immediate 'delete from t where dummy='||to_char(i); end loop; end;
ga9j9xk5cy9s0	select /*+ index(idl_sb4$ i_idl_sb41) +*/ piece#, length, piece from idl_sb4$ where obj#=:1 and part=:2 and version=:3 order by piece#
gcnf7vvsyq6w3	select SADDR , SID , SERIAL# , AUDSID , PADDR , USER# , USERNAME , COMMAND , OWNERID, TADDR , LOCKWAIT , STATUS , SERVER , SCHEMA# , SCHEMANAME , OSUSER , PROCESS , MACHINE , PORT , TERMINAL , PROGRAM , TYPE , SQL_ADDRESS , SQL_HASH_VALUE, SQL_ID, SQL_CHILD_NUMBER , SQL_EXEC_START, SQL_EXEC_ID, PREV_SQL_ADDR , PREV_HASH_VALUE , PREV_SQL_ID, PREV_CHILD_NUMBER , PREV_EXEC_START , PREV_EXEC_ID , PLSQL_ENTRY_OBJECT_ID, PLSQL_ENTRY_SUBPROGRAM_ID, PLSQL_OBJECT_ID, PLSQL_SUBPROGRAM_ID, MODULE , MODULE_HASH , ACTION , ACTION_HASH , CLIENT_INFO , FIXED_TABLE_SEQUENCE , ROW_WAIT_OBJ# , ROW_WAIT_FILE# , ROW_WAIT_BLOCK# , ROW_WAIT_ROW# , TOP_LEVEL_CALL#, LOGON_TIME , LAST_CALL_ET , PDML_ENABLED , FAILOVER_TYPE , FAILOVER_METHOD , FAILED_OVER, RESOURCE_CONSUMER_GROUP, PDML_STATUS, PDDL_STATUS, PQ_STATUS, CURRENT_QUEUE_DURATION, CLIENT_IDENTIFIER, BLOCKING_SESSION_STATUS, BLOCKING_INSTANCE, BLOCKING_SESSION, FINAL_BLOCKING_SESSION_STATUS, FINAL_BLOCKING_INSTANCE, FINAL_BLOCKING_SESSION, SEQ#, EVENT#, EVENT, P1TEXT, P1, P1RAW, P2TEXT, P2, P2RAW, P3TEXT, P3, P3RAW, WAIT_CLASS_ID, WAIT_CLASS#, WAIT_CLASS, WAIT_TIME, SECONDS_IN_WAIT, STATE, WAIT_TIME_MICRO, TIME_REMAINING_MICRO, TIME_SINCE_LAST_WAIT_MICRO, SERVICE_NAME, SQL_TRACE, SQL_TRACE_WAITS, SQL_TRACE_BINDS, SQL_TRACE_PLAN_STATS, SESSION_EDITION_ID, CREATOR_ADDR, CREATOR_SERIAL#, ECID from GV$SESSION where inst_id = USERENV('Instance')
grwydz59pu6mc	select text from view$ where rowid=:1
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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