WORKLOAD REPOSITORY REPORT (RAC)

Database Summary

Database Id	Name	RAC	Block Size	Snapshot Ids Begin	End	Number of Instances In Report	Total	Number of Hosts In Report	Total	Report Total (minutes) DB time	Elapsed time
796901606	RACDB	YES	8192	75	76	2	2	2	2	101.94	5.03

Database Instances Included In Report

- Listed in order of instance number, I#

I#	Instance	Host	Startup	Begin Snap Time	End Snap Time	Release	Elapsed Time(min)	DB time(min)	Up Time(hrs)	Avg Active Sessions	Platform
1	racdb1	racnode1	09-Oct-13 02:56	09-Oct-13 04:40	09-Oct-13 04:45	11.2.0.3.0	5.02	58.12	1.83	11.58	Linux x86 64-bit
2	racdb2	racnode2	09-Oct-13 02:56	09-Oct-13 04:40	09-Oct-13 04:45	11.2.0.3.0	5.02	43.82	1.82	8.73	Linux x86 64-bit

Report Summary

Cache Sizes

- All values are in Megabytes
- Listed in order of instance number, I#
- End values displayed only if different from Begin values

	Memory Target		Sga Target		DB Cache		Shared Pool		Large Pool		Java Pool		Streams Pool		PGA Target		
I#	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End	Log Buffer
1	1,216		720		288		384		16		16				496		8.09
2	1,216		736		384		304		16		16				480		8.09
Avg	1,216		728		336		344		16		16				488		8.09
Min	1,216		720		288		304		16		16				480		8.09
Max	1,216		736		384		384		16		16				496		8.09

Main Report

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OS Statistics By Instance

- Listed in order of instance number, I#
- End values are diplayed only if different from begin values

I#	Num CPUs	CPU Cores	CPU Sckts	Load Begin	Load End	% Busy	% Usr	% Sys	% WIO	% Idl	Busy Time (s)	Idle Time (s)	Total Time (s)	Memory (M)	End CPUs	End Cores	End Sckts	End Memory (M)
1	2	2	1	4.74	5.60	42.34	11.98	29.95	43.06	57.66	291.17	396.50	687.67	3,015.56				
2	2	2	1	10.74	10.21	42.06	15.35	26.21	52.28	57.94	284.01	391.31	675.32	3,015.56				
Sum											575.18	787.81	1,362.99					

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Time Model Statistics

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Time Model

I#	DB time (s)	DB CPU (s)	SQL Exec Ela (s)	Parse Ela (s)	Hard Parse Ela (s)	PL/SQL Ela (s)	Java Ela (s)	bg time (s)	bg CPU (s)
1	3,487.05	114.98	1,892.30	45.95	1.06	156.38	0.00	665.49	26.82
2	2,629.09	77.69	1,415.00	37.46	0.78	123.83	0.00	673.18	25.40
Sum	6,116.14	192.67	3,307.30	83.41	1.84	280.21	0.00	1,338.68	52.22
Avg	3,058.07	96.33	1,653.65	41.70	0.92	140.11	0.00	669.34	26.11
Std	606.67	26.36	337.50	6.00	0.20	23.02	0.00	5.44	1.00

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Time Model - % of DB time

- % Total [DB time/bg time] - instance [DB time/bg time] as a percentage of the cluster-wide total [DB time/bg time]

I#	% Total DB time	DB CPU %DB time	SQL Exec Ela %DB time	Parse Ela %DB time	Hard Parse %DB time	PL/SQL Ela %DB time	Java Ela %DB time	% Total bg time	bg CPU %bg time
1	57.01	3.30	54.27	1.32	0.03	0.00	0.00	49.71	4.03
2	42.99	2.96	53.82	1.42	0.03	0.00	0.00	50.29	3.77
Avg	50.00	3.13	54.04	1.37	0.03	0.00	0.00	50.00	3.90

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Wait Events Statistics

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Foreground Wait Classes - % of Total DB time

- Cluster-wide totals of wait class foreground wait times as a percentage of the cluster-wide DB time

User I/O	Sys I/O	Other	Applic	Commit	Network	Concurcy	Config	Cluster	DB CPU
6.64	0.22	1.84	0.00	50.16	3.44	0.33	0.01	33.84	3.15

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Foreground Wait Classes

I#	User I/O(s)	Sys I/O(s)	Other(s)	Applic (s)	Commit (s)	Network (s)	Concurcy (s)	Config (s)	Cluster (s)	DB CPU (s)	DB time
1	224.45	13.31	68.27	0.00	1,765.30	127.71	17.21	0.20	1,208.59	114.98	3,487.05
2	181.72	0.00	44.43	0.14	1,302.72	82.81	3.23	0.32	861.02	77.69	2,629.09
Sum	406.17	13.31	112.71	0.14	3,068.02	210.52	20.44	0.51	2,069.61	192.67	6,116.14
Avg	203.08	6.65	56.35	0.07	1,534.01	105.26	10.22	0.26	1,034.80	96.33	3,058.07
Std	30.21	9.41	16.86	0.09	327.10	31.75	9.88	0.09	245.77	26.36	606.67

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Foreground Wait Classes - % of DB time

- % of Total DB time - instance DB time as a percentage of the cluster-wide total DB time

I#	User I/O	Sys I/O	Other	Applic	Commit	Network	Concurcy	Config	Cluster	DB CPU	% Total DB time
1	6.44	0.38	1.96	0.00	50.62	3.66	0.49	0.01	34.66	3.30	57.01
2	6.91	0.00	1.69	0.01	49.55	3.15	0.12	0.01	32.75	2.96	42.99
Avg	6.67	0.19	1.82	0.00	50.09	3.41	0.31	0.01	33.70	3.13	

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Top Timed Events

- Instance '*' - cluster wide summary
- '*' Waits, %Timeouts, Wait Time Total(s) : Cluster-wide total for the wait event
- '*' 'Wait Time Avg (ms)' : Cluster-wide average computed as (Wait Time Total / Event Waits) in ms
- '*' Summary 'Avg Wait Time (ms)' : Per-instance 'Wait Time Avg (ms)' used to compute the following statistics
- '*' [Avg/Min/Max/Std Dev] : average/minimum/maximum/standard deviation of per-instance 'Wait Time Avg(ms)'
- '*' Cnt : count of instances with wait times for the event

	Wait		Event		Wait Time			Summary Avg Wait Time (ms)				
I#	Class	Event	Waits	%Timeouts	Total(s)	Avg(ms)	%DB time	Avg	Min	Max	Std Dev	Cnt
*	Commit	log file sync	6,524	0.00	3,069.84	470.55	50.19	472.85	459.83	485.86	18.40	2
	Cluster	gc buffer busy acquire	2,807	0.00	982.77	350.11	16.07	346.23	321.29	371.17	35.27	2
	Cluster	gc buffer busy release	1,211	0.00	661.57	546.30	10.82	542.42	522.41	562.43	28.30	2
	System I/O	log file parallel write	2,429	0.00	412.81	169.95	6.75	171.10	158.69	183.50	17.54	2
	User I/O	db file sequential read	2,133	0.00	380.90	178.58	6.23	183.28	161.31	205.26	31.08	2
	System I/O	control file sequential read	2,191	0.00	378.12	172.58	6.18	173.60	163.94	183.27	13.67	2
		DB CPU			192.67		3.15					2
	Cluster	gc current block busy	612	0.00	192.08	313.86	3.14	313.92	312.33	315.52	2.26	2
	Other	gcs log flush sync	18,945	66.55	183.85	9.70	3.01	9.69	9.49	9.88	0.28	2
	System I/O	db file parallel write	810	0.00	152.00	187.66	2.49	187.83	177.79	197.88	14.21	2
1	Commit	log file sync	3,839	0.00	1,765.30	459.83	50.62					
	Cluster	gc buffer busy acquire	1,622	0.00	602.04	371.17	17.26					
	Cluster	gc buffer busy release	723	0.00	406.64	562.43	11.66					
	System I/O	log file parallel write	1,327	0.00	210.59	158.69	6.04					
	User I/O	db file sequential read	1,295	0.00	208.89	161.31	5.99					
	System I/O	control file sequential read	1,212	0.00	198.70	163.94	5.70					
		DB CPU			114.98		3.30					
	Other	gcs log flush sync	10,371	67.08	102.48	9.88	2.94					
	Cluster	gc current block busy	294	0.00	92.76	315.52	2.66					
	System I/O	db file parallel write	412	0.00	73.25	177.79	2.10					
2	Commit	log file sync	2,685	0.00	1,304.54	485.86	49.62					
	Cluster	gc buffer busy acquire	1,185	0.00	380.73	321.29	14.48					
	Cluster	gc buffer busy release	488	0.00	254.93	522.41	9.70					
	System I/O	log file parallel write	1,102	0.00	202.22	183.50	7.69					
	System I/O	control file sequential read	979	0.00	179.42	183.27	6.82					
	User I/O	db file sequential read	838	0.00	172.01	205.26	6.54					
	Cluster	gc current block busy	318	0.00	99.32	312.33	3.78					
	Other	gcs log flush sync	8,574	65.91	81.37	9.49	3.09					
	System I/O	db file parallel write	398	0.00	78.76	197.88	3.00					
		DB CPU			77.69		2.96					

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Top Timed Foreground Events

- Foreground Activity is captured in release 11g and above
- For prior releases, Foreground Activity is computed as difference between Total Activty and Background Activity
- Instance '*' - cluster wide summary
- '*' Waits, %Timeouts, Wait Time Total(s) : Cluster-wide total for the wait event
- '*' 'Wait Time Avg (ms)' : Cluster-wide average computed as (Wait Time Total / Event Waits) in ms
- '*' Summary 'Avg Wait Time (ms)' : Per-instance 'Wait Time Avg (ms)' used to compute the following statistics
- '*' [Avg/Min/Max/Std Dev] : average/minimum/maximum/standard deviation of per-instance 'Wait Time Avg(ms)'
- '*' Cnt : count of instances with wait times for the event

	Wait	Event			Wait Time			Summary Avg Wait Time (ms)				
I#	Class	Event	Waits	%Timeouts	Total(s)	Avg(ms)	%DB time	Avg	Min	Max	Std Dev	Cnt
*	Commit	log file sync	6,522	0.00	3,068.02	470.41	50.16	472.69	459.83	485.54	18.18	2
	Cluster	gc buffer busy acquire	2,805	0.00	982.68	350.33	16.07	346.46	321.76	371.17	34.94	2
	Cluster	gc buffer busy release	1,202	0.00	661.13	550.02	10.81	546.86	531.30	562.43	22.01	2
	User I/O	db file sequential read	2,090	0.00	375.90	179.85	6.15	185.69	161.31	210.06	34.47	2
		DB CPU			192.67		3.15					2
	Cluster	gc current block busy	587	0.00	188.73	321.52	3.09	321.53	315.52	327.54	8.50	2
	Cluster	gc current block 2-way	6,874	0.00	96.75	14.08	1.58	14.08	13.99	14.17	0.12	2
	Concurrency	library cache: mutex X	3,004	0.00	84.42	28.10	1.38	28.17	27.89	28.45	0.39	2
	Concurrency	buffer busy waits	2,272	0.00	75.14	33.07	1.23	32.55	30.27	34.83	3.22	2
	Cluster	gc cr block busy	146	0.00	55.30	378.80	0.90	354.79	294.34	415.23	85.48	2
1	Commit	log file sync	3,839	0.00	1,765.30	459.83	50.62					
	Cluster	gc buffer busy acquire	1,622	0.00	602.04	371.17	17.26					
	Cluster	gc buffer busy release	723	0.00	406.64	562.43	11.66					
	User I/O	db file sequential read	1,295	0.00	208.89	161.31	5.99					
		DB CPU			114.98		3.30					
	Cluster	gc current block busy	294	0.00	92.76	315.52	2.66					
	Concurrency	library cache: mutex X	1,864	0.00	51.99	27.89	1.49					
	Cluster	gc current block 2-way	3,661	0.00	51.23	13.99	1.47					
	Concurrency	buffer busy waits	1,395	0.00	48.59	34.83	1.39					
	Other	latch free	820	0.00	30.35	37.01	0.87					
2	Commit	log file sync	2,683	0.00	1,302.72	485.54	49.55					
	Cluster	gc buffer busy acquire	1,183	0.00	380.64	321.76	14.48					
	Cluster	gc buffer busy release	479	0.00	254.49	531.30	9.68					
	User I/O	db file sequential read	795	0.00	167.00	210.06	6.35					
	Cluster	gc current block busy	293	0.00	95.97	327.54	3.65					
		DB CPU			77.69		2.96					
	Cluster	gc current block 2-way	3,213	0.00	45.52	14.17	1.73					
	Cluster	gc cr block busy	102	0.00	42.35	415.23	1.61					
	Concurrency	library cache: mutex X	1,140	0.00	32.43	28.45	1.23					
	Concurrency	buffer busy waits	877	0.00	26.55	30.27	1.01					

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Top Timed Background Events

- % of bg time: % of background elapsed time
- Instance '*' - cluster wide summary
- '*' Waits, %Timeouts, Wait Time Total(s) : Cluster-wide total for the wait event
- '*' 'Wait Time Avg (ms)' : Cluster-wide average computed as (Wait Time Total / Event Waits) in ms
- '*' Summary 'Avg Wait Time (ms)' : Per-instance 'Wait Time Avg (ms)' used to compute the following statistics
- '*' [Avg/Min/Max/Std Dev] : average/minimum/maximum/standard deviation of per-instance 'Wait Time Avg(ms)'
- '*' Cnt : count of instances with wait times for the event

	Wait	Event			Wait Time			Summary Avg Wait Time (ms)				
I#	Class	Event	Waits	%Timeouts	Total(s)	Avg(ms)	%DB time	Avg	Min	Max	Std Dev	Cnt
*	System I/O	log file parallel write	2,428	0.00	412.79	170.01	30.84	171.17	158.69	183.65	17.65	2
	System I/O	control file sequential read	2,051	0.00	364.81	177.87	27.25	178.10	172.94	183.27	7.30	2
	Other	gcs log flush sync	18,945	66.55	183.85	9.70	13.73	9.69	9.49	9.88	0.28	2
	System I/O	db file parallel write	814	0.00	152.47	187.30	11.39	187.45	177.73	197.17	13.75	2
	System I/O	control file parallel write	221	0.00	86.01	389.19	6.43	389.50	375.65	403.36	19.59	2
		background cpu time			52.22		3.90					2
	Other	latch free	380	0.00	14.50	38.15	1.08	37.33	32.89	41.78	6.29	2
	Other	Streams AQ: qmn coordinator waiting for slave to start	4	50.00	12.31	3076.75	0.92	3076.75	3003.85	3149.66	103.10	2
	Other	latch: call allocation	394	0.00	11.12	28.22	0.83	28.37	25.15	31.58	4.55	2
	Concurrency	os thread startup	21	0.00	10.95	521.58	0.82	570.16	230.16	910.15	480.83	2
1	System I/O	log file parallel write	1,327	0.00	210.59	158.69	31.64					
	System I/O	control file sequential read	1,072	0.00	185.39	172.94	27.86					
	Other	gcs log flush sync	10,371	67.08	102.48	9.88	15.40					
	System I/O	db file parallel write	413	0.00	73.40	177.73	11.03					
	System I/O	control file parallel write	108	0.00	43.56	403.36	6.55					
		background cpu time			26.82		4.03					
	Other	latch free	225	0.00	9.40	41.78	1.41					
	Other	Streams AQ: qmn coordinator waiting for slave to start	2	50.00	6.30	3149.66	0.95					
	Other	latch: call allocation	206	0.00	5.18	25.15	0.78					
	Other	enq: CF - contention	8	87.50	3.57	445.81	0.54					
2	System I/O	log file parallel write	1,101	0.00	202.20	183.65	30.04					
	System I/O	control file sequential read	979	0.00	179.42	183.27	26.65					
	Other	gcs log flush sync	8,574	65.91	81.37	9.49	12.09					
	System I/O	db file parallel write	401	0.00	79.06	197.17	11.74					
	System I/O	control file parallel write	113	0.00	42.45	375.65	6.31					
		background cpu time			25.40		3.77					
	Concurrency	os thread startup	9	0.00	8.19	910.15	1.22					
	Other	Streams AQ: qmn coordinator waiting for slave to start	2	50.00	6.01	3003.85	0.89					
	Other	latch: call allocation	188	0.00	5.94	31.58	0.88					
	User I/O	db file sequential read	44	0.00	5.23	118.87	0.78					

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Global Activity Load Profile

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System Statistics

I#	Logical Reads	Physical Reads	Physical Writes	Redo Size (k)	Block Changes	User Calls	Execs	Parses	Logons	Txns
1	197,382	1,382	973	8,816	52,192	12,779	30,367	25,823	1,434	2,235
2	121,404	926	967	7,236	36,441	8,852	20,212	17,588	975	1,505
Sum	318,786	2,308	1,940	16,052	88,633	21,631	50,579	43,411	2,409	3,740
Avg	159,393	1,154	970	8,026	44,317	10,816	25,290	21,706	1,205	1,870
Std	53,725	322	4	1,117	11,138	2,777	7,181	5,823	325	516

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System Statistics - Per Second

I#	Logical Reads/s	Physical Reads/s	Physical Writes/s	Redo Size (k)/s	Block Changes/s	User Calls/s	Execs/s	Parses/s	Logons/s	Txns/s
1	655.62	4.59	3.23	29.28	173.36	42.45	100.87	85.77	4.76	7.42
2	403.25	3.08	3.21	24.04	121.04	29.40	67.14	58.42	3.24	5.00
Sum	1,058.87	7.67	6.44	53.32	294.40	71.85	168.00	144.19	8.00	12.42
Avg	529.44	3.83	3.22	26.66	147.20	35.92	84.00	72.10	4.00	6.21
Std	178.45	1.07	0.01	3.71	36.99	9.22	23.85	19.34	1.08	1.71

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System Statistics - Per Transaction

I#	Logical Reads/tx	Physical Reads/tx	Physical Writes/tx	Redo Size (k)/tx	Block Changes/tx	User Calls/tx	Execs/tx	Parses/tx	Logons/tx
1	88.31	0.62	0.44	3.94	23.35	5.72	13.59	11.55	0.64
2	80.67	0.62	0.64	4.81	24.21	5.88	13.43	11.69	0.65
Avg	84.49	0.62	0.54	4.38	23.78	5.80	13.51	11.62	0.64

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SysStat and Global Messaging - RAC

	Blocks Received		Blocks Served		CPU (seconds)		Messages						GC Blks	GC CR
I#	GC Current	GC CR	GC Current	GC CR	GC	IPC	GCS Received	GES Received	GCS Sent	GES Sent	Sent Direct	Sent Indir	Lost	Failure
1	4,421	1,438	4,115	1,575	0	0	12,491	563	14,114	488	8,183	4,519	0	0
2	4,093	1,573	4,424	1,428	0	0	14,173	504	12,514	584	7,533	3,528	1	0
Sum	8,514	3,011	8,539	3,003	0	0	26,664	1,067	26,628	1,072	15,716	8,047	1	0
Avg	4,257	1,506	4,270	1,502	0	0	13,332	534	13,314	536	7,858	4,024	1	0
Std	232	95	218	104	0	0	1,189	42	1,131	68	460	701	1	0

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SysStat and Global Messaging (per Sec)- RAC

	Blocks Received Per Second		Blocks Served per Second		CPU seconds per Second		Messages Per Second						GC Blks	GC CR
I#	GC Current	GC CR	GC Current	GC CR	GC	IPC	GCS Received	GES Received	GCS Sent	GES Sent	Sent Direct	Sent Indir	Lost/s	Fail/s
1	14.68	4.78	13.67	5.23	0.00	0.00	41.49	1.87	46.88	1.62	27.18	15.01	0	0
2	13.60	5.22	14.69	4.74	0.00	0.00	47.08	1.67	41.57	1.94	25.02	11.72	0	0
Sum	28.28	10.00	28.36	9.97	0.00	0.00	88.57	3.54	88.45	3.56	52.20	26.73	0	0
Avg	14.14	5.00	14.18	4.99	0.00	0.00	44.28	1.77	44.22	1.78	26.10	13.36	0	0
Std	0.77	0.32	0.73	0.35	0.00	0.00	3.95	0.14	3.76	0.23	1.53	2.33	0	0

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SysStat and Global Messaging (per Tx)- RAC

	Blocks Received per Tx		Blocks Served		CPU (seconds) per Tx		Messages per Transaction						GC Blks	GC CR
I#	GC Current	GC CR	GC Current	GC CR	GC	IPC	GCS Received	GES Received	GCS Sent	GES Sent	Sent Direct	Sent Indir	Lost/Tx	Fail/Tx
1	1.98	0.64	1.84	0.70	0.00	0.00	5.59	0.25	6.31	0.22	3.66	2.02	0.00	0.00
2	2.72	1.05	2.94	0.95	0.00	0.00	9.42	0.33	8.31	0.39	5.01	2.34	0.00	0.00
Avg	2.35	0.84	2.39	0.83	0.00	0.00	7.50	0.29	7.31	0.30	4.33	2.18	0.00	0.00

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Global Cache and Enqueue Statistics Summary

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Global Cache Efficiency Percentages

	Buffer Access		
I#	Local %	Remote %	Disk %
1	96.33	2.97	0.70
2	94.57	4.67	0.76

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Global Cache and Enqueue Workload Characteristics

		CR Blocks					CU Blocks				
I#	GE Get Time (ms)	Receive Time (ms)	Build Time (ms)	Send Time (ms)	Flush Time (ms)	Log Flush CR Srvd %	Receive Time (ms)	Pin Time (ms)	Send Time (ms)	Flush Time (ms)	Log Flush CU Srvd %
1	1.49	22.67	0.00	0.00	396.69	7.68	32.89	1.17	0.00	288.30	7.44
2	1.61	43.25	0.00	0.00	307.33	3.15	35.64	0.94	0.00	297.85	6.10

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Global Cache and Enqueue Messaging Statistics

	Queue Time (ms)		Process Time		% Messages Sent		
I#	Sent	on ksxp	Received	GCS msgs	GES msgs	Direct	Indirect	Flow Ctrl
1	0.25	31.17	0.12	0.17	0.14	63.97	35.33	0.70
2	0.67	32.10	0.14	0.19	0.10	67.65	31.68	0.66

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CR Blocks Served Statistics

	Block Requests						Results					Fairness		FreeGC	Flushes				Light	Total
I#	CR	CU	Data	Undo	TX	Current	Private	Zero	Dsk Rd	Fail	Down Conv	Clears	Elems	Total	Queued	QFull	MaxTm	Works	Errors
1	1,302	281	1,302	0	26	1,578	0	5	0	0	974	74	0	121	0	0	0	2	0
2	1,189	239	1,189	0	36	1,427	0	1	0	0	872	38	0	45	0	0	0	70	0
Sum	2,491	520	2,491	0	62	3,005	0	6	0	0	1,846	112	0	166	0	0	0	72	0
Avg	1,246	260	1,246	0	31	1,503	0	3	0	0	923	56	0	83	0	0	0	36	0
Std	80	30	80	0	7	107	0	3	0	0	72	25	0	54	0	0	0	48	0

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Current Blocks Served Statistics

I#	Pins	% <1ms	% <10ms	% <100ms	% <1s	% <10s	Flushes	% <1ms	% <10ms	% <100ms	% <1s	% <10s	Writes	% <1ms	% <10ms	% <100ms	% <1s	% <10s
1	126	7.94	24.60	59.52	7.94	0.00	306	0.33	2.29	39.87	52.29	5.23	318	0.00	0.00	31.76	64.47	3.77
2	120	11.67	26.67	51.67	10.00	0.00	270	0.00	2.96	29.63	61.48	5.93	297	0.00	0.00	22.90	72.39	4.71
Sum	246						576						615					
Avg	123						288						308					
Std	4						25						15					

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Global Cache Transfer Stats

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Global Cache Transfer Stats

- Immediate (Immed) - Block Transfer NOT impacted by Remote Processing Delays
- Busy (Busy) - Block Transfer impacted by Remote Contention
- Congested (Cngst) - Block Transfer impacted by Remote System Load
- All - average time of All blocks (Immed,Busy,Cngst) in ms
- Ordered by instance_number, CR + Current Blocks Received desc

Instance#		Block	CR Blocks				Current Blocks				CR Avg Time (ms)				Current Avg Time (ms)			
Dest	Src	Class	Received	%Immed	%Busy	%Cngst	Received	%Immed	%Busy	%Cngst	All	Immed	Busy	Cngst	All	Immed	Busy	Cngst
1	2	data block	1,189	95.96	1.26	2.78	4,276	90.72	6.83	2.46	19	14.77	389.95	10.33	35	13.88	317.72	18.05
	2	others	201	86.07	13.43	0.50	148	95.95	1.35	2.70	51	18.46	257.84	1.77	12	12.20	17.49	18.80
	2	undo header	46	89.13	8.70	2.17	1	100.00	0.00	0.00	51	5.68	526.27	1.13	5	5.27		
2	1	data block	1,304	90.80	5.98	3.22	3,947	89.82	7.68	2.51	37	13.93	398.87	22.91	37	13.04	325.78	17.08
	1	others	243	80.25	16.87	2.88	143	90.91	5.59	3.50	88	15.95	440.33	33.28	19	17.68	44.48	9.78
	1	undo header	25	80.00	16.00	4.00	3	33.33	66.67	0.00	38	8.63	195.23	3.09	109	3.20	161.41	

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Global Cache Transfer (Immediate)

- Ordered by instance_number, CR + Current Blocks Received desc

Instance#		Block	Lost Blocks		Immediate CR Blocks			Immediate Current Blocks			Immed CR Avg Time (ms)			Immed Current Avg Time (ms)		
Dest	Src	Class	Count	Time(ms)	Received	%2-hop	%3-hop	Received	%2-hop	%3-hop	Total	2-hop	3-hop	Total	2-hop	3-hop
1	2	data block	0		1,141	100.00	0.00	3,879	100.00	0.00	14.77	14.77		13.88	13.88	

	2	others	0		173	100.00	0.00	142	100.00	0.00	18.46	18.46	12.20	12.20	
	2	undo header	0		41	100.00	0.00	1	100.00	0.00	5.68	5.68	5.27	5.27	
	2	undo block	0		0			0							
2	1	data block	1	0.07	1,184	100.00	0.00	3,545	100.00	0.00	13.93	13.93	13.04	13.04	
	1	others	0		195	100.00	0.00	130	100.00	0.00	15.95	15.95	17.68	17.68	
	1	undo header	0		20	100.00	0.00	1	100.00	0.00	8.63	8.63	3.20	3.20	
	1	undo block	0		0			0							

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Interconnect Stats

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Cluster Interconnect

		Begin			End (if different from Begin)		
I#	NAME	IP Address	Pub	Source	IP Address	Pub	Source
1	eth1:1	169.254.58.47	N				
2	eth1:1	169.254.229.155	N				

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Ping Statistics

- Latency of the roundtrip of a message from Src Instance to the Target instances

Instance#		500 bytes				8 Kbytes			
Src	Target	Ping Count	Ping Time(s)	Avg Time(ms)	Std Dev	Ping Count	Ping Time(s)	Avg Time(ms)	Std Dev
1	1	24	0.01	0.36	0.25	24	0.01	0.33	0.22
	2	24	0.23	9.45	12.70	24	0.23	9.61	12.61
2	1	24	0.11	4.70	4.56	24	0.16	6.85	11.46
	2	24	0.01	0.39	0.45	24	0.01	0.37	0.45

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Interconnect Client Statistics

	Sent (MB)						Received (MB)					
I#	Total	Cache	IPQ	DLM	PNG	Misc	Total	Cache	IPQ	DLM	PNG	Misc
1	28.34	22.63	0.06	4.00	0.40	1.25	31.12	23.71	0.08	3.60	0.40	3.33
2	30.91	23.66	0.08	3.59	0.40	3.18	28.20	22.52	0.06	3.99	0.40	1.23
Sum	59.24	46.29	0.14	7.59	0.81	4.42	59.32	46.23	0.14	7.59	0.81	4.56
Avg	29.62	23.14	0.07	3.80	0.40	2.21	29.66	23.11	0.07	3.80	0.40	2.28
Std	1.82	0.72	0.02	0.29	0.00	1.37	2.06	0.84	0.02	0.28	0.00	1.49

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Interconnect Client Statistics (per Second)

	Sent (MB/s)						Received (MB/s)					
I#	Total	Cache	IPQ	DLM	PNG	Misc	Total	Cache	IPQ	DLM	PNG	Misc
1	0.09	0.08	0.00	0.01	0.00	0.00	0.10	0.08	0.00	0.01	0.00	0.01
2	0.10	0.08	0.00	0.01	0.00	0.01	0.09	0.07	0.00	0.01	0.00	0.00
Sum	0.20	0.15	0.00	0.03	0.00	0.01	0.20	0.15	0.00	0.03	0.00	0.02
Avg	0.10	0.08	0.00	0.01	0.00	0.01	0.10	0.08	0.00	0.01	0.00	0.01
Std	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00

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Interconnect Device Statistics

- Data is retrieved from underlying Operating system and may overflow on some 32-bit OSs
- null means begin value > end value

		Interface		Sent						Received					
I#	NAME	IP Address	IP Mask	MBytes	Packets	Errors	Packets Dropped	Buffer Ovrrun	Carrier Lost	MBytes	Packets	Errors	Packets Dropped	Buffer Ovrrun	Frame Errors
1	eth0	192.168.1.151	255.255.255.0	13.42	61,240	0	0	0	0	12.17	56,058	0	12	0	0
	eth0:1	192.168.1.189	255.255.255.0	0.00	0	0	0	0	0	0.00	0	0	0	0	0
	eth0:2	192.168.1.187	255.255.255.0	0.00	0	0	0	0	0	0.00	0	0	0	0	0
	eth0:3	192.168.1.251	255.255.255.0	0.00	0	0	0	0	0	0.00	0	0	0	0	0
	eth1	192.168.2.151	255.255.255.0	88.43	122,615	0	0	0	0	95.75	135,416	0	12	0	0
	eth1:1	169.254.58.47	255.255.0.0	0.00	0	0	0	0	0	0.00	0	0	0	0	0
	lo	127.0.0.1	255.0.0.0	60.09	7,298	0	0	0	0	60.09	7,298	0	0	0	0
2	eth0	192.168.1.152	255.255.255.0	12.90	55,844	0	0	0	0	12.60	61,462	0	12	0	0
	eth0:1	192.168.1.188	255.255.255.0	0.00	0	0	0	0	0	0.00	0	0	0	0	0
	eth0:2	192.168.1.252	255.255.255.0	0.00	0	0	0	0	0	0.00	0	0	0	0	0
	eth1	192.168.2.152	255.255.255.0	88.71	118,299	0	0	0	0	86.04	124,927	0	12	0	0

	eth1:1	169.254.229.155	255.255.0.0	0.00	0	0	0	0	0	0.00	0	0	0	0	0
	lo	127.0.0.1	255.0.0.0	62.40	76,242	0	0	0	0	62.40	76,242	0	0	0	0
Sum				325.95	441,538	0	0	0	0	329.06	461,403	0	48	0	0
Avg				25.07	33,964	0	0	0	0	25.31	35,493	0	4	0	0
Std				35.79	47,229	0	0	0	0	36.58	50,294	0	6	0	0

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Interconnect Device Statistics (per Second)

- Data is retrieved from underlying Operating system and may overflow on some 32-bit OSs
- Blank means begin value > end value

	Interface			Sent						Received					
I#	NAME	IP Address	IP Mask	MBytes	Packets	Errors	Packets Dropped	Buffer Ovrrun	Carrier Lost	MBytes	Packets	Errors	Packets Dropped	Buffer Ovrrun	Frame Errors
1	eth0	192.168.1.151	255.255.255.0	0.04	203	0	0	0	0	0.04	186	0	0	0	0
	eth0:1	192.168.1.189	255.255.255.0	0.00	0	0	0	0	0	0.00	0	0	0	0	0
	eth0:2	192.168.1.187	255.255.255.0	0.00	0	0	0	0	0	0.00	0	0	0	0	0
	eth0:3	192.168.1.251	255.255.255.0	0.00	0	0	0	0	0	0.00	0	0	0	0	0
	eth1	192.168.2.151	255.255.255.0	0.29	407	0	0	0	0	0.32	450	0	0	0	0
	eth1:1	169.254.58.47	255.255.0.0	0.00	0	0	0	0	0	0.00	0	0	0	0	0
	lo	127.0.0.1	255.0.0.0	0.20	24	0	0	0	0	0.20	24	0	0	0	0
2	eth0	192.168.1.152	255.255.255.0	0.04	185	0	0	0	0	0.04	204	0	0	0	0
	eth0:1	192.168.1.188	255.255.255.0	0.00	0	0	0	0	0	0.00	0	0	0	0	0
	eth0:2	192.168.1.252	255.255.255.0	0.00	0	0	0	0	0	0.00	0	0	0	0	0
	eth1	192.168.2.152	255.255.255.0	0.29	393	0	0	0	0	0.29	415	0	0	0	0
	eth1:1	169.254.229.155	255.255.0.0	0.00	0	0	0	0	0	0.00	0	0	0	0	0
	lo	127.0.0.1	255.0.0.0	0.21	253	0	0	0	0	0.21	253	0	0	0	0
Sum				1.08	1,467	0	0	0	0	1.09	1,533	0	0	0	0
Avg				0.08	113	0	0	0	0	0.08	118	0	0	0	0
Std				0.12	157	0	0	0	0	0.12	167	0	0	0	0

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Dynamic Remastering Statistics - per Remaster Ops

- Affinity Obj - objects remastered due to affinity at begin/end snap

		Counts per Ops				Time per Ops (seconds)							Affinity Objects	
I#	Remaster Ops	Remastered Objects	Replay Locks Received	Replay Locks Sent	Resources Cleaned	Remaster	Quiesce	Freeze	Cleanup	Replay	Fixwrite	Sync	Begin	End
1	0												1	1
2	0												1	1
Avg	0												1	1
Max													1	1

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SQL Statistics

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SQL ordered by Elapsed Time (Global)

- Captured SQL account for 28.6% of Total DB Time (s): 6,116
- Captured PL/SQL account for 9.6% of Total DB Time (s): 6,116

	Total								Per Execution							Percentage of Total						
SQL Id	Elapsed (s)	CPU (s)	IOWait (s)	Gets	Reads	Rows	Cluster (s)	Execs	Elapsed (s)	CPU (s)	IOWait (s)	Gets	Reads	Rows	Cluster (s)	DB time	DB CPU	IO Wait	Gets	Reads	Cluster	Execs	SQL Text
4vs91dcv7u1p6	483.55	2.50	1.06	4,002	0	959	445.68	960	0.50	0.00	0.00	4.17	0.00	1.00	0.46	7.91	1.30	0.00	1.26	0.00	21.41	1.90	insert into sys.aud$(sessioni...
0w2qpuc6u2zsp	341.41	14.54	125.09	62,698	638	324	84.07	324	1.05	0.04	0.39	193.51	1.97	1.00	0.26	5.58	7.55	0.30	19.67	27.64	4.04	0.64	BEGIN :1 := orderentry.neworde...
f711myt0q6cma	331.26	1.43	0.21	3,794	0	990	305.39	990	0.33	0.00	0.00	3.83	0.00	1.00	0.31	5.42	0.74	0.00	1.19	0.00	14.67	1.96	insert into sys.aud$(sessioni...
c13sma6rkr27c	314.35	8.36	181.77	69,455	1,107	10,732	69.52	2,411	0.13	0.00	0.08	28.81	0.46	4.45	0.03	5.14	4.34	0.44	21.79	47.96	3.34	4.77	SELECT PRODUCTS.PRODUCT_ID, PR...
8dq0v1mjnqj7t	114.81	3.44	52.12	9,121	264	2,280	28.35	2,280	0.05	0.00	0.02	4.00	0.12	1.00	0.01	1.88	1.79	0.13	2.86	11.44	1.36	4.51	SELECT CUSTOMER_ID, CUST_FIRST...
147a57cxq3w5y	108.83	6.35	10.96	15,367	58	394	9.14	394	0.28	0.02	0.03	39.00	0.15	1.00	0.02	1.78	3.30	0.03	4.82	2.51	0.44	0.78	BEGIN :1 := orderentry.browsep...
bymb3ujkr3ubk	62.88	3.02	22.68	17,103	120	827	22.17	827	0.08	0.00	0.03	20.68	0.15	1.00	0.03	1.03	1.57	0.06	5.37	5.20	1.07	1.64	INSERT INTO ORDERS (ORDER_ID, O...
8z3542ffmp562	60.09	1.47	42.05	13,923	213	2,200	12.22	2,441	0.02	0.00	0.02	5.70	0.09	0.90	0.01	0.98	0.76	0.10	4.37	9.23	0.59	4.83	SELECT QUANTITY_ON_HAND FROM P...
apgb2g9q2zjh1	52.66	1.25	37.63	1,425	152	69	3.66	69	0.76	0.02	0.55	20.65	2.20	1.00	0.05	0.86	0.65	0.09	0.45	6.59	0.18	0.14	BEGIN :1 := orderentry.browsea...
dcq9a12vtcnuw	46.21	2.40	4.42	4,807	16	145	10.75	145	0.32	0.02	0.03	33.15	0.11	1.00	0.07	0.76	1.25	0.01	1.51	0.69	0.52	0.29	BEGIN :1 := orderentry.newcust...

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SQL ordered by CPU Time (Global)

- Captured SQL account for 21.1% of Total CPU Time (s): 193
- Captured PL/SQL account for 14.2% of Total CPU Time (s): 193

	Total								Per Execution							Percentage of Total							
SQL Id	CPU (s)	Elapsed (s)	IOWait (s)	Gets	Reads	Rows	Cluster (s)	Execs	CPU (s)	Elapsed (s)	IOWait (s)	Gets	Reads	Rows	Cluster (s)	DB CPU	DB time	IO Wait	Gets	Reads	Cluster	Execs	SQL Text
0w2qpuc6u2zsp	14.54	341.41	125.09	62,698	638	324	84.07	324	0.04	1.05	0.39	193.51	1.97	1.00	0.26	7.55	5.58	30.41	19.67	27.64	4.04	0.64	BEGIN :1 := orderentry.neworde...
c13sma6rkr27c	8.36	314.35	181.77	69,455	1,107	10,732	69.52	2,411	0.00	0.13	0.08	28.81	0.46	4.45	0.03	4.34	5.14	44.19	21.79	47.96	3.34	4.77	SELECT PRODUCTS.PRODUCT_ID, PR...
147a57cxq3w5y	6.35	108.83	10.96	15,367	58	394	9.14	394	0.02	0.28	0.03	39.00	0.15	1.00	0.02	3.30	1.78	2.66	4.82	2.51	0.44	0.78	BEGIN :1 := orderentry.browsep...
8dq0v1mjnqj7t	3.44	114.81	52.12	9,121	264	2,280	28.35	2,280	0.00	0.05	0.02	4.00	0.12	1.00	0.01	1.79	1.88	12.67	2.86	11.44	1.36	4.51	SELECT CUSTOMER_ID, CUST_FIRST...
bymb3ujkr3ubk	3.02	62.88	22.68	17,103	120	827	22.17	827	0.00	0.08	0.03	20.68	0.15	1.00	0.03	1.57	1.03	5.51	5.37	5.20	1.07	1.64	INSERT INTO ORDERS (ORDER_ID, O...
4vs91dcv7u1p6	2.50	483.55	1.06	4,002	0	959	445.68	960	0.00	0.50	0.00	4.17	0.00	1.00	0.46	1.30	7.91	0.26	1.26	0.00	21.41	1.90	insert into sys.aud$(sessioni...
dcq9a12vtcnuw	2.40	46.21	4.42	4,807	16	145	10.75	145	0.02	0.32	0.03	33.15	0.11	1.00	0.07	1.25	0.76	1.08	1.51	0.69	0.52	0.29	BEGIN :1 := orderentry.newcust...
0y1prvxqc2ra9	2.07	17.78	0.39	26,540	0	40,866	4.42	2,919	0.00	0.01	0.00	9.09	0.00	14.00	0.00	1.08	0.29	0.09	8.33	0.00	0.21	5.77	SELECT PRODUCTS.PRODUCT_ID, PR...
0k8522rmdzq4k	1.98	24.19	0.00	12,135	0	5,002	0.00	2,376	0.00	0.01	0.00	5.11	0.00	2.11	0.00	1.03	0.40	0.00	3.81	0.00	0.00	4.70	select privilege# from sysauth...
0ws7ahf1d78qa	1.63	23.41	0.00	0	0	2,371	0.00	2,371	0.00	0.01	0.00	0.00	0.00	1.00	0.00	0.85	0.38	0.00	0.00	0.00	0.00	4.69	select SYS_CONTEXT ('USERENV', ...

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SQL ordered by User I/O Time (Global)

- Captured SQL account for 96.4% of Total User I/O Wait Time (s): 411
- Captured PL/SQL account for 43.9% of Total User I/O Wait Time (s): 411

	Total								Per Execution							Percentage of Total							
SQL Id	IOWait (s)	Elapsed (s)	CPU (s)	Gets	Reads	Rows	Cluster (s)	Execs	IOWait (s)	Elapsed (s)	CPU (s)	Gets	Reads	Rows	Cluster (s)	IO Wait	DB time	DB CPU	Gets	Reads	Cluster	Execs	SQL Text
c13sma6rkr27c	181.77	314.35	8.36	69,455	1,107	10,732	69.52	2,411	0.08	0.13	0.00	28.81	0.46	4.45	0.03	44.19	5.14	4.34	21.79	47.96	3.34	4.77	SELECT PRODUCTS.PRODUCT_ID, PR...
0w2qpuc6u2zsp	125.09	341.41	14.54	62,698	638	324	84.07	324	0.39	1.05	0.04	193.51	1.97	1.00	0.26	30.41	5.58	7.55	19.67	27.64	4.04	0.64	BEGIN :1 := orderentry.neworde...
8dq0v1mjnqj7t	52.12	114.81	3.44	9,121	264	2,280	28.35	2,280	0.02	0.05	0.00	4.00	0.12	1.00	0.01	12.67	1.88	1.79	2.86	11.44	1.36	4.51	SELECT CUSTOMER_ID, CUST_FIRST...
bymb3ujkr3ubk	22.68	62.88	3.02	17,103	120	827	22.17	827	0.03	0.08	0.00	20.68	0.15	1.00	0.03	5.51	1.03	1.57	5.37	5.20	1.07	1.64	INSERT INTO ORDERS (ORDER_ID, O...
147a57cxq3w5y	10.96	108.83	6.35	15,367	58	394	9.14	394	0.03	0.28	0.02	39.00	0.15	1.00	0.02	2.66	1.78	3.30	4.82	2.51	0.44	0.78	BEGIN :1 := orderentry.browsep...
dcq9a12vtcnuw	4.42	46.21	2.40	4,807	16	145	10.75	145	0.03	0.32	0.02	33.15	0.11	1.00	0.07	1.08	0.76	1.25	1.51	0.69	0.52	0.29	BEGIN :1 := orderentry.newcust...
4vs91dcv7u1p6	1.06	483.55	2.50	4,002	0	959	445.68	960	0.00	0.50	0.00	4.17	0.00	1.00	0.46	0.26	7.91	1.30	1.26	0.00	21.41	1.90	insert into sys.aud$(sessioni...
0y1prvxqc2ra9	0.39	17.78	2.07	26,540	0	40,866	4.42	2,919	0.00	0.01	0.00	9.09	0.00	14.00	0.00	0.09	0.29	1.08	8.33	0.00	0.21	5.77	SELECT PRODUCTS.PRODUCT_ID, PR...
0k8522rmdzq4k	0.00	24.19	1.98	12,135	0	5,002	0.00	2,376	0.00	0.01	0.00	5.11	0.00	2.11	0.00	0.00	0.40	1.03	3.81	0.00	0.00	4.70	select privilege# from sysauth...
0ws7ahf1d78qa	0.00	23.41	1.63	0	0	2,371	0.00	2,371	0.00	0.01	0.00	0.00	0.00	1.00	0.00	0.00	0.38	0.85	0.00	0.00	0.00	4.69	select SYS_CONTEXT ('USERENV', ...

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SQL ordered by Gets (Global)

- Total Buffer Gets: 318,786
- Captured SQL account for 72.0% of Total

	Total								Per Execution							Percentage of Total							
SQL Id	Gets	Reads	Elapsed (s)	CPU (s)	IOWait (s)	Rows	Cluster (s)	Execs	Gets	Reads	Elapsed (s)	CPU (s)	IOWait (s)	Rows	Cluster (s)	Gets	Reads	DB time	DB CPU	IO Wait	Cluster	Execs	SQL Text
c13sma6rkr27c	69,455	1,107	314.35	8.36	181.77	10,732	69.52	2,411	28.81	0.46	0.13	0.00	0.08	4.45	0.03	21.79	47.96	5.14	4.34	44.19	3.34	4.77	SELECT PRODUCTS.PRODUCT_ID, PR...
0w2qpuc6u2zsp	62,698	638	341.41	14.54	125.09	324	84.07	324	193.51	1.97	1.05	0.04	0.39	1.00	0.26	19.67	27.64	5.58	7.55	30.41	4.04	0.64	BEGIN :1 := orderentry.neworde...
0y1prvxqc2ra9	26,540	0	17.78	2.07	0.39	40,866	4.42	2,919	9.09	0.00	0.01	0.00	0.00	14.00	0.00	8.33	0.00	0.29	1.08	0.09	0.21	5.77	SELECT PRODUCTS.PRODUCT_ID, PR...
bymb3ujkr3ubk	17,103	120	62.88	3.02	22.68	827	22.17	827	20.68	0.15	0.08	0.00	0.03	1.00	0.03	5.37	5.20	1.03	1.57	5.51	1.07	1.64	INSERT INTO ORDERS (ORDER_ID, O...
147a57cxq3w5y	15,367	58	108.83	6.35	10.96	394	9.14	394	39.00	0.15	0.28	0.02	0.03	1.00	0.02	4.82	2.51	1.78	3.30	2.66	0.44	0.78	BEGIN :1 := orderentry.browsep...
0yas01u2p9ch4	15,309	21	23.51	1.18	4.52	863	8.66	863	17.74	0.02	0.03	0.00	0.01	1.00	0.01	4.80	0.91	0.38	0.61	1.10	0.42	1.71	INSERT INTO ORDER_ITEMS(ORDER_...
8z3542ffmp562	13,923	213	60.09	1.47	42.05	2,200	12.22	2,441	5.70	0.09	0.02	0.00	0.02	0.90	0.01	4.37	9.23	0.98	0.76	10.22	0.59	4.83	SELECT QUANTITY_ON_HAND FROM P...
0k8522rmdzq4k	12,135	0	24.19	1.98	0.00	5,002	0.00	2,376	5.11	0.00	0.01	0.00	0.00	2.11	0.00	3.81	0.00	0.40	1.03	0.00	0.00	4.70	select privilege# from sysauth...
cm5vu20fhtnq1	10,334	0	18.25	1.36	0.00	360	0.00	4,997	2.07	0.00	0.00	0.00	0.00	0.07	0.00	3.24	0.00	0.30	0.71	0.00	0.00	9.88	select /*+ connect_by_filterin...
5mddt5kt45rg3	9,172	11	12.11	1.12	2.04	827	3.15	827	11.09	0.01	0.01	0.00	0.00	1.00	0.00	2.88	0.48	0.20	0.58	0.50	0.15	1.64	UPDATE ORDERS SET ORDER_MODE =...

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SQL ordered by Reads (Global)

- Total Disk Reads: 2,308
- Captured SQL account for 93.9% of Total

	Total								Per Execution							Percentage of Total						
SQL Id	Reads	Gets	Elapsed (s)	CPU (s)	IOWait (s)	Rows	Cluster (s)	Execs	Reads	Gets	Elapsed (s)	CPU (s)	IOWait (s)	Rows	Cluster (s)	Reads	Gets	DB time	DB CPU	IO Wait	Cluster	Execs	SQL Text
c13sma6rkr27c	1,107	69,455	314.35	8.36	181.77	10,732	69.52	2,411	0.46	28.81	0.13	0.00	0.08	4.45	0.03	47.96	21.79	5.14	4.34	44.19	3.34	4.77	SELECT PRODUCTS.PRODUCT_ID, PR...
0w2qpuc6u2zsp	638	62,698	341.41	14.54	125.09	324	84.07	324	1.97	193.51	1.05	0.04	0.39	1.00	0.26	27.64	19.67	5.58	7.55	30.41	4.04	0.64	BEGIN :1 := orderentry.neworde...
8dq0v1mjngj7t	264	9,121	114.81	3.44	52.12	2,280	28.35	2,280	0.12	4.00	0.05	0.00	0.02	1.00	0.01	11.44	2.86	1.88	1.79	12.67	1.36	4.51	SELECT CUSTOMER_ID, CUST_FIRST...
8z3542ffmp562	213	13,923	60.09	1.47	42.05	2,200	12.22	2,441	0.09	5.70	0.02	0.00	0.02	0.90	0.01	9.23	4.37	0.98	0.76	10.22	0.59	4.83	SELECT QUANTITY_ON_HAND FROM P...
apqb2g9q2zjh1	152	1,425	52.66	1.25	37.63	69	3.66	69	2.20	20.65	0.76	0.02	0.55	1.00	0.05	6.59	0.45	0.86	0.65	9.15	0.18	0.14	BEGIN :1 := orderentry.browsea...
0ruh367af7qbw	140	746	35.35	0.55	27.38	214	5.05	175	0.80	4.26	0.20	0.00	0.16	1.22	0.03	6.07	0.23	0.58	0.29	6.66	0.24	0.35	SELECT ORDER_ID, ORDER_MODE, C...
bymb3ujkr3ubk	120	17,103	62.88	3.02	22.68	827	22.17	827	0.15	20.68	0.08	0.00	0.03	1.00	0.03	5.20	5.37	1.03	1.57	5.51	1.07	1.64	INSERT INTO ORDERS (ORDER_ID, O...
4tx09gq85z630	107	257	25.16	0.15	23.77	190	0.89	64	1.67	4.02	0.39	0.00	0.37	2.97	0.01	4.64	0.08	0.41	0.08	5.78	0.04	0.13	SELECT ORDER_ID, LINE_ITEM_ID,...
147a57cxq3w5y	58	15,367	108.83	6.35	10.96	394	9.14	394	0.15	39.00	0.28	0.02	0.03	1.00	0.02	2.51	4.82	1.78	3.30	2.66	0.44	0.78	BEGIN :1 := orderentry.browsep...
1b3utaf6tfhfy	48	321	7.90	0.12	7.00	64	0.46	64	0.75	5.02	0.12	0.00	0.11	1.00	0.01	2.08	0.10	0.13	0.06	1.70	0.02	0.13	UPDATE ORDER_ITEMS SET QUANTIT...

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SQL ordered by UnOptimized Read Requests (Global)

- Total Physical Read Requests: 2,307
- Captured SQL account for 71.0% of Total
- Total UnOptimized Read Requests: 2,307
- Captured SQL account for 71.0% of Total
- Total Optimized Read Requests: 1
- Captured SQL account for 0.0% of Total

	Total									Per Execution								Percentage of T			
SQL Id	UnOptimized	Requests	Reads	Elapsed (s)	CPU (s)	IOWait (s)	Rows	Cluster (s)	Execs	UnOptimized	Requests	Reads	Elapsed (s)	CPU (s)	IOWait (s)	Rows	Cluster (s)	UnOptimized	Requests	Reads	DB time
c13sma6rkr27c	1,107	1,107	1,107	314.35	8.36	181.77	10,732	69.52	2,411	0.46	0.46	0.46	0.13	0.00	0.08	4.45	0.03	47.98	47.98	47.96	5.14
0w2qpuc6u2zsp	638	638	638	341.41	14.54	125.09	324	84.07	324	1.97	1.97	1.97	1.05	0.04	0.39	1.00	0.26	27.65	27.65	27.64	5.58
apqb2g9q2zjh1	152	152	152	52.66	1.25	37.63	69	3.66	69	2.20	2.20	2.20	0.76	0.02	0.55	1.00	0.05	6.59	6.59	6.59	0.86
8dq0v1mjngj7t	107	107	264	114.81	3.44	52.12	2,280	28.35	2,280	0.05	0.05	0.12	0.05	0.00	0.02	1.00	0.01	4.64	4.64	11.44	1.88
8z3542ffmp562	82	82	213	60.09	1.47	42.05	2,200	12.22	2,441	0.03	0.03	0.09	0.02	0.00	0.02	0.90	0.01	3.55	3.55	9.23	0.98
0ruh367af7qbw	60	60	140	35.35	0.55	27.38	214	5.05	175	0.34	0.34	0.80	0.20	0.00	0.16	1.22	0.03	2.60	2.60	6.07	0.58
147a57cxq3w5y	58	58	58	108.83	6.35	10.96	394	9.14	394	0.15	0.15	0.15	0.28	0.02	0.03	1.00	0.02	2.51	2.51	2.51	1.78
4tx09gq85z630	49	49	107	25.16	0.15	23.77	190	0.89	64	0.77	0.77	1.67	0.39	0.00	0.37	2.97	0.01	2.12	2.12	4.64	0.41
bymb3ujkr3ubk	49	49	120	62.88	3.02	22.68	827	22.17	827	0.06	0.06	0.15	0.08	0.00	0.03	1.00	0.03	2.12	2.12	5.20	1.03
1cd2krbdzrhvq	44	44	0	10.50	0.03	0.00	2	0.01	2	22.00	22.00	0.00	5.25	0.02	0.00	1.00	0.00	1.91	1.91	0.00	0.17

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SQL ordered by Executions (Global)

- Total Executions: 50,579
- Captured SQL account for 72.8% of Total

	Total								Per Execution							Percentage of Total						
SQL Id	Execs	Elapsed (s)	CPU (s)	IOWait (s)	Gets	Reads	Rows	Cluster (s)	Elapsed (s)	CPU (s)	IOWait (s)	Gets	Reads	Rows	Cluster (s)	Execs	DB time	DB CPU	IO Wait	Gets	Reads	Cluster	SQL Text
cm5vu20fhtnq1	4,997	18.25	1.36	0.00	10,334	0	360	0.00	0.00	0.00	0.00	2.07	0.00	0.07	0.00	9.88	0.30	0.71	0.00	3.24	0.00	0.00	select /*+ connect_by_filterin...
0y1prvxqc2ra9	2,919	17.78	2.07	0.39	26,540	0	40,866	4.42	0.01	0.00	0.00	9.09	0.00	14.00	0.00	5.77	0.29	1.08	0.09	8.33	0.00	0.21	SELECT PRODUCTS.PRODUCT_ID, PR...
8z3542ffmp562	2,441	60.09	1.47	42.05	13,923	213	2,200	12.22	0.02	0.00	0.02	5.70	0.09	0.90	0.01	4.83	0.98	0.76	10.22	4.37	9.23	0.59	SELECT QUANTITY_ON_HAND FROM P...
c13sma6rkr27c	2,411	314.35	8.36	181.77	69,455	1,107	10,732	69.52	0.13	0.00	0.08	28.81	0.46	4.45	0.03	4.77	5.14	4.34	44.19	21.79	47.96	3.34	SELECT PRODUCTS.PRODUCT_ID, PR...
0k8522rmdzq4k	2,376	24.19	1.98	0.00	12,135	0	5,002	0.00	0.01	0.00	0.00	5.11	0.00	2.11	0.00	4.70	0.40	1.03	0.00	3.81	0.00	0.00	select privilege# from sysauth...
0ws7ahf1d78qa	2,371	23.41	1.63	0.00	0	0	2,371	0.00	0.01	0.00	0.00	0.00	0.00	1.00	0.00	4.69	0.38	0.85	0.00	0.00	0.00	0.00	select SYS_CONTEXT ('USERENV', ...
1v717nvrhqbn9	2,371	10.76	0.59	0.00	0	0	2,371	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	4.69	0.18	0.31	0.00	0.00	0.00	0.00	SELECT USER FROM SYS.DUAL
459f3z9u4fb3u	2,371	16.03	1.21	0.00	7,113	0	2,371	0.00	0.01	0.00	0.00	3.00	0.00	1.00	0.00	4.69	0.26	0.63	0.00	2.23	0.00	0.00	select value$ from props$ wher...
5ur69atw3vfhj	2,371	9.47	0.75	0.00	4,742	0	2,371	0.00	0.00	0.00	0.00	2.00	0.00	1.00	0.00	4.69	0.15	0.39	0.00	1.49	0.00	0.00	select decode (failover_method,...
8dq0v1mjngj7t	2,280	114.81	3.44	52.12	9,121	264	2,280	28.35	0.05	0.00	0.02	4.00	0.12	1.00	0.01	4.51	1.88	1.79	12.67	2.86	11.44	1.36	SELECT CUSTOMER_ID, CUST_FIRST...

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SQL ordered by Cluster Wait Time (Global)

- Total Cluster Wait Time (s): 2,081
- Captured SQL account for 45.3% of Total

	Total								Per Execution							Percentage of Total						
SQL Id	Cluster (s)	Elapsed (s)	CPU (s)	IOWait (s)	Gets	Reads	Rows	Execs	Cluster (s)	Elapsed (s)	CPU (s)	IOWait (s)	Gets	Reads	Rows	Cluster	DB time	DB CPU	Gets	IO Wait	Reads	Execs	SQL Text
4vs91dcv7u1p6	445.68	483.55	2.50	1.06	4,002	0	959	960	0.46	0.50	0.00	0.00	4.17	0.00	1.00	21.41	7.91	1.30	0.26	1.26	0.00	1.90	insert into sys.aud$(sessioni...
f711myt0q6cma	305.39	331.26	1.43	0.21	3,794	0	990	990	0.31	0.33	0.00	0.00	3.83	0.00	1.00	14.67	5.42	0.74	0.05	1.19	0.00	1.96	insert into sys.aud$(sessioni...
0w2qpuc6u2zsp	84.07	341.41	14.54	125.09	62,698	638	324	324	0.26	1.05	0.04	0.39	193.51	1.97	1.00	4.04	5.58	7.55	30.41	19.67	27.64	0.64	BEGIN :1 := orderentry.neworde...
c13sma6rkr27c	69.52	314.35	8.36	181.77	69,455	1,107	10,732	2,411	0.03	0.13	0.00	0.08	28.81	0.46	4.45	3.34	5.14	4.34	44.19	21.79	47.96	4.77	SELECT PRODUCTS.PRODUCT_ID, PR...
8dq0v1mjnqj7t	28.35	114.81	3.44	52.12	9,121	264	2,280	2,280	0.01	0.05	0.00	0.02	4.00	0.12	1.00	1.36	1.88	1.79	12.67	2.86	11.44	4.51	SELECT CUSTOMER_ID, CUST_FIRST...
bymb3ujkr3ubk	22.17	62.88	3.02	22.68	17,103	120	827	827	0.03	0.08	0.00	0.03	20.68	0.15	1.00	1.07	1.03	1.57	5.51	5.37	5.20	1.64	INSERT INTO ORDERS (ORDER_ID, O...
7r7636982atn9	16.28	26.38	1.48	1.28	8,842	2	2,200	793	0.02	0.03	0.00	0.00	11.15	0.00	2.77	0.78	0.43	0.77	0.31	2.77	0.09	1.57	UPDATE INVENTORIES SET QUANTIT...
8z3542ffmp562	12.22	60.09	1.47	42.05	13,923	213	2,200	2,441	0.01	0.02	0.00	0.02	5.70	0.09	0.90	0.59	0.98	0.76	10.22	4.37	9.23	4.83	SELECT QUANTITY_ON_HAND FROM P...
dcq9a12vtcnuw	10.75	46.21	2.40	4.42	4,807	16	145	145	0.07	0.32	0.02	0.03	33.15	0.11	1.00	0.52	0.76	1.25	1.08	1.51	0.69	0.29	BEGIN :1 := orderentry.newcust...
0bzhqhhj9mpaa	10.70	31.48	1.22	4.42	3,199	16	145	145	0.07	0.22	0.01	0.03	22.06	0.11	1.00	0.51	0.51	0.64	1.08	1.00	0.69	0.29	INSERT INTO CUSTOMERS (CUSTOMER...

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Global Activity Statistics

- System Statistics (Global)
- Global Messaging Statistics (Global)
- System Statistics (Absolute Values)

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System Statistics (Global)

- per Second Average - average of per-instance per Second rates
- per Second Std Dev - standard deviation of per-instance per Second rates
- per Second Min - minium of per-instance per Second rates
- per Second Max - maximum of per-instance per Second rates

		per Second					
Statistic	Total	per Second	per Trans	Average	Std Dev	Min	Max
Batched IO block miss count	1,179	3.92	0.32	1.96	0.04	1.93	1.98
Batched IO double miss count	529	1.76	0.14	0.88	0.00	0.88	0.88
Batched IO single block count	240	0.80	0.06	0.40	0.01	0.39	0.41
Batched IO vector block count	939	3.12	0.25	1.56	0.03	1.54	1.58
Batched IO vector read count	289	0.96	0.08	0.48	0.01	0.47	0.49
Block Cleanout Optim referenced	140	0.47	0.04	0.23	0.07	0.19	0.28
CPU used by this session	13,953	46.35	3.73	23.17	4.33	20.11	26.24
CPU used when call started	10,330	34.31	2.76	17.16	2.64	15.29	19.02
CR blocks created	119	0.40	0.03	0.20	0.05	0.16	0.23
Cached Commit SCN referenced	2,504	8.32	0.67	4.16	3.92	1.39	6.93
Commit SCN cached	21	0.07	0.01	0.03	0.03	0.02	0.05
DB time	573,004	1,903.28	153.21	951.64	226.84	791.24	1,112.04
DBWR checkpoint buffers written	1,209	4.02	0.32	2.01	0.12	1.92	2.09
DBWR fusion writes	568	1.89	0.15	0.94	0.01	0.94	0.95
DBWR transaction table writes	19	0.06	0.01	0.03	0.02	0.02	0.05
DBWR undo block writes	360	1.20	0.10	0.60	0.35	0.35	0.84
DFO trees parallelized	6	0.02	0.00	0.01	0.00	0.01	0.01
HSC Heap Segment Block Changes	15,618	51.88	4.18	25.94	7.32	20.76	31.11
Heap Segment Array Inserts	238	0.79	0.06	0.40	0.02	0.38	0.41
Heap Segment Array Updates	28	0.09	0.01	0.05	0.00	0.04	0.05
PX local messages recv'd	16	0.05	0.00	0.03	0.02	0.01	0.04
PX local messages sent	16	0.05	0.00	0.03	0.02	0.01	0.04
PX remote messages recv'd	24	0.08	0.01	0.04	0.00	0.04	0.04
PX remote messages sent	24	0.08	0.01	0.04	0.00	0.04	0.04
Parallel operations not downgraded	6	0.02	0.00	0.01	0.00	0.01	0.01
Requests to/from client	12,011	39.90	3.21	19.95	5.20	16.27	23.62
RowCR attempts	864	2.87	0.23	1.43	0.54	1.06	1.81
RowCR hits	864	2.87	0.23	1.43	0.54	1.06	1.81
SQL*Net roundtrips to/from client	12,011	39.90	3.21	19.95	5.33	16.18	23.72
active txn count during cleanout	1,266	4.21	0.34	2.10	0.13	2.01	2.19
application wait time	15	0.05	0.00	0.02	0.03	0.00	0.05
background timeouts	4,475	14.86	1.20	7.43	1.17	6.60	8.26
buffer is not pinned count	115,326	383.06	30.84	191.53	69.02	142.73	240.34
buffer is pinned count	210,042	697.67	56.16	348.84	226.05	189.00	508.67
bytes received via SQL*Net from client	3,544,151	11,772.19	947.63	5,886.09	1,051.76	5,142.39	6,629.80
bytes sent via SQL*Net to client	5,709,494	18,964.55	1,526.60	9,482.27	2,557.76	7,673.67	11,290.88
calls to get snapshot scn: kcmgss	46,168	153.35	12.34	76.68	21.11	61.75	91.60
calls to kcmgas	21,420	71.15	5.73	35.57	3.42	33.15	38.00
calls to kcmgcs	17,948	59.62	4.80	29.81	8.18	24.02	35.59
cell physical IO interconnect bytes	113,994,752	378,642.81	30,479.88	189,321.40	27,122.54	170,142.87	208,499.94
change write time	1,698	5.64	0.45	2.82	0.32	2.59	3.05
cleanout - number of ktugct calls	1,661	5.52	0.44	2.76	0.33	2.52	2.99

cleanouts and rollbacks - consistent read gets	12	0.04	0.00	0.02	0.01	0.01	0.03
cleanouts only - consistent read gets	127	0.42	0.03	0.21	0.19	0.08	0.35
cluster key scan block gets	67	0.22	0.02	0.11	0.02	0.10	0.12
cluster key scans	67	0.22	0.02	0.11	0.02	0.10	0.12
cluster wait time	208,208	691.58	55.67	345.79	80.41	288.93	402.65
commit batch/immediate performed	9	0.03	0.00	0.01	0.00	0.01	0.02
commit batch/immediate requested	9	0.03	0.00	0.01	0.00	0.01	0.02
commit cleanout failures: block lost	28	0.09	0.01	0.05	0.05	0.01	0.08
commit cleanout failures: callback failure	53	0.18	0.01	0.09	0.03	0.07	0.11
commit cleanout failures: cannot pin	453	1.50	0.12	0.75	0.19	0.61	0.89
commit cleanouts	22,568	74.96	6.03	37.48	9.81	30.55	44.42
commit cleanouts successfully completed	22,034	73.19	5.89	36.59	9.59	29.81	43.38
commit immediate performed	9	0.03	0.00	0.01	0.00	0.01	0.02
commit immediate requested	9	0.03	0.00	0.01	0.00	0.01	0.02
commit txn count during cleanout	862	2.86	0.23	1.43	0.47	1.10	1.76
concurrency wait time	22,243	73.88	5.95	36.94	8.95	30.61	43.27
consistent changes	112	0.37	0.03	0.19	0.04	0.16	0.21
consistent gets	205,928	684.01	55.06	342.00	127.98	251.51	432.50
consistent gets - examination	121,366	403.13	32.45	201.56	87.60	139.62	263.51
consistent gets from cache	205,928	684.01	55.06	342.00	127.98	251.51	432.50
consistent gets from cache (fastpath)	80,327	266.81	21.48	133.41	39.99	105.13	161.68
cursor authentications	30	0.10	0.01	0.05	0.02	0.04	0.06
data blocks consistent reads - undo records applied	70	0.23	0.02	0.12	0.00	0.11	0.12
db block changes	88,633	294.40	23.70	147.20	36.99	121.04	173.36
db block gets	112,858	374.87	30.18	187.43	50.47	151.75	223.12
db block gets direct	27	0.09	0.01	0.04	0.00	0.04	0.05
db block gets from cache	112,831	374.78	30.17	187.39	50.47	151.70	223.07
db block gets from cache (fastpath)	32,531	108.05	8.70	54.03	15.13	43.33	64.73
deferred (CURRENT) block cleanout applications	10,944	36.35	2.93	18.18	5.64	14.19	22.16
dirty buffers inspected	52	0.17	0.01	0.09	0.01	0.08	0.10
enqueue conversions	785	2.61	0.21	1.30	1.13	0.50	2.10
enqueue releases	67,617	224.60	18.08	112.30	49.89	77.02	147.58
enqueue requests	67,718	224.93	18.11	112.47	49.99	77.12	147.81
enqueue timeouts	102	0.34	0.03	0.17	0.23	0.00	0.34
enqueue waits	508	1.69	0.14	0.84	0.07	0.79	0.89
execute count	50,579	168.00	13.52	84.00	23.85	67.14	100.87
file io service time	109	0.36	0.03	0.36		0.36	0.36
file io wait time	593,035,510	1,969,815.29	158,565.64	984,907.65	52,215.09	947,986.00	1,021,829.29
free buffer inspected	15,613	51.86	4.17	25.93	0.66	25.47	26.39
free buffer requested	15,474	51.40	4.14	25.70	1.63	24.55	26.85
gc blocks compressed	8,499	28.23	2.27	14.12	0.33	13.88	14.35
gc blocks lost	1	0.00	0.00	0.00		0.00	0.00
gc cr block flush time	6,183	20.54	1.65	10.27	8.03	4.59	15.94
gc cr block receive time	10,064	33.43	2.69	16.71	8.32	10.83	22.60
gc cr blocks received	3,011	10.00	0.81	5.00	0.32	4.78	5.22
gc cr blocks served	3,003	9.97	0.80	4.99	0.35	4.74	5.23
gc current block flush time	16,864	56.02	4.51	28.01	1.83	26.71	29.30
gc current block pin time	900	2.99	0.24	1.49	0.16	1.39	1.60
gc current block receive time	29,127	96.75	7.79	48.37	0.11	48.30	48.45
gc current blocks received	8,514	28.28	2.28	14.14	0.77	13.60	14.68
gc current blocks served	8,539	28.36	2.28	14.18	0.73	13.67	14.69
gc kbytes saved	44,844	148.95	11.99	74.48	0.62	74.04	74.91
gc kbytes sent	47,493	157.75	12.70	78.88	2.42	77.16	80.59
gc local grants	2,451	8.14	0.66	4.07	1.12	3.28	4.86
gc read wait time	104	0.35	0.03	0.17	0.21	0.02	0.32
gc read waits	9	0.03	0.00	0.01	0.01	0.01	0.02
gc remote grants	3,527	11.72	0.94	5.86	1.03	5.13	6.59
gcs messages sent	26,628	88.45	7.12	44.22	3.76	41.57	46.88
ges messages sent	1,072	3.56	0.29	1.78	0.23	1.62	1.94
global enqueue get time	14,585	48.45	3.90	24.22	4.57	20.99	27.46
global enqueue gets async	151	0.50	0.04	0.25	0.05	0.22	0.29
global enqueue gets sync	94,857	315.08	25.36	157.54	38.32	130.44	184.64
global enqueue releases	94,400	313.56	25.24	156.78	38.43	129.61	183.95
heap block compress	31	0.10	0.01	0.05	0.02	0.04	0.06
hot buffers moved to head of LRU	6,946	23.07	1.86	11.54	2.26	9.93	13.14
immediate (CR) block cleanout applications	139	0.46	0.04	0.23	0.18	0.10	0.36
immediate (CURRENT) block cleanout applications	1,412	4.69	0.38	2.35	0.11	2.27	2.42
in call idle wait time	2,723,899	9,047.65	728.32	4,523.83	191.56	4,388.38	4,659.28
index crx upgrade (positioned)	279	0.93	0.07	0.46	0.49	0.12	0.81
index fetch by key	52,713	175.09	14.09	87.55	66.47	40.55	134.54
index scans kdiixs1	17,369	57.69	4.64	28.85	8.99	22.49	35.21
leaf node 90-10 splits	48	0.16	0.01	0.08	0.01	0.07	0.09
leaf node splits	156	0.52	0.04	0.26	0.09	0.19	0.33
lob writes	230	0.76	0.06	0.38	0.24	0.21	0.55
lob writes unaligned	230	0.76	0.06	0.38	0.24	0.21	0.55
logical read bytes from cache	2,611,273,728	8,673,559.26	698,201.53	4,336,779.63	1,461,857.00	3,303,090.63	5,370,468.63
logons cumulative	2,409	8.00	0.64	4.00	1.08	3.24	4.76
max cf enq hold time	3,120	10.36	0.83	10.36		10.36	10.36
messages received	3,794	12.60	1.01	6.30	0.44	5.99	6.61
messages sent	3,794	12.60	1.01	6.30	0.44	5.99	6.61
min active SCN optimization applied on CR	1,993	6.62	0.53	3.31	1.27	2.41	4.21
no work - consistent read gets	65,431	217.33	17.49	108.67	32.10	85.97	131.37
non-idle wait count	178,678	593.49	47.77	296.75	50.69	260.90	332.59
non-idle wait time	717,256	2,382.42	191.78	1,191.21	225.01	1,032.10	1,350.32
opened cursors cumulative	56,100	186.34	15.00	93.17	27.03	74.05	112.29
parse count (describe)	11	0.04	0.00	0.02	0.00	0.02	0.02
parse count (hard)	63	0.21	0.02	0.10	0.02	0.09	0.12
parse count (total)	43,411	144.19	11.61	72.10	19.34	58.42	85.77
parse time cpu	587	1.95	0.16	0.97	0.31	0.76	1.19
parse time elapsed	7,894	26.22	2.11	13.11	1.83	11.81	14.41
physical read IO requests	2,307	7.66	0.62	3.83	1.07	3.07	4.59
physical read bytes	18,907,136	62,801.59	5,055.38	31,400.80	8,773.81	25,196.78	37,604.82
physical read total IO requests	4,507	14.97	1.21	7.49	1.63	6.33	8.64

physical read total bytes	54,886,400	182,309.64	14,675.51	91,154.82	17,701.61	78,637.89	103,671.75
physical reads	2,308	7.67	0.62	3.83	1.07	3.08	4.59
physical reads cache	2,308	7.67	0.62	3.83	1.07	3.08	4.59
physical reads cache prefetch	113	0.38	0.03	0.19	0.03	0.17	0.21
physical write IO requests	942	3.13	0.25	1.56	0.01	1.56	1.57
physical write bytes	15,892,480	52,788.15	4,249.33	26,394.08	115.51	26,312.40	26,475.75
physical write total IO requests	6,619	21.99	1.77	10.99	1.15	10.18	11.81
physical write total bytes	59,108,352	196,333.17	15,804.37	98,166.59	9,420.93	91,504.98	104,828.19
physical write total multi block requests	55	0.18	0.01	0.09	0.01	0.09	0.10
physical writes	1,940	6.44	0.52	3.22	0.01	3.21	3.23
physical writes direct	27	0.09	0.01	0.04	0.00	0.04	0.05
physical writes from cache	1,913	6.35	0.51	3.18	0.01	3.17	3.19
physical writes non checkpoint	1,038	3.45	0.28	1.72	0.28	1.52	1.92
pinned buffers inspected	17	0.06	0.00	0.03	0.01	0.02	0.04
pinned cursors current	1	0.00	0.00	0.00		0.00	0.00
prefetch warmup blocks aged out before use	697	2.32	0.19	2.32		2.32	2.32
process last non-idle time	599	1.99	0.16	0.99	0.00	0.99	1.00
queries parallelized	6	0.02	0.00	0.01	0.00	0.01	0.01
recursive calls	356,565	1,184.36	95.34	592.18	160.35	478.80	705.56
recursive cpu usage	6,231	20.70	1.67	10.35	1.54	9.26	11.44
redo blocks checksummed by FG (exclusive)	9,181	30.50	2.45	15.25	1.08	14.48	16.01
redo blocks written	35,187	116.88	9.41	58.44	9.56	51.68	65.20
redo entries	47,266	157.00	12.64	78.50	18.49	65.42	91.58
redo ordering marks	726	2.41	0.19	1.21	0.03	1.18	1.23
redo size	16,437,392	54,598.13	4,395.02	27,299.06	3,798.53	24,613.10	29,985.03
redo size for direct writes	222,156	737.91	59.40	368.95	19.33	355.29	382.62
redo subscn max counts	511	1.70	0.14	0.85	0.09	0.79	0.91
redo synch long waits	522	1.73	0.14	0.87	0.52	0.50	1.23
redo synch time	307,150	1,020.22	82.13	510.11	108.12	433.66	586.57
redo synch time (usec)	3,071,742,303	10,203,041.80	821,321.47	5,101,520.90	1,081,659.83	4,336,671.90	5,866,369.90
redo synch writes	7,135	23.70	1.91	11.85	3.02	9.71	13.99
redo wastage	679,040	2,255.49	181.56	1,127.74	167.61	1,009.23	1,246.26
redo write broadcast ack count	75	0.25	0.02	0.12	0.07	0.07	0.18
redo write broadcast ack time	2,004,745	6,658.92	536.03	3,329.46	923.50	2,676.45	3,982.47
redo write time	41,574	138.09	11.12	69.05	1.89	67.71	70.38
redo writes	2,430	8.07	0.65	4.04	0.54	3.66	4.41
rollback changes - undo records applied	7	0.02	0.00	0.01	0.01	0.01	0.02
rollbacks only - consistent read gets	31	0.10	0.01	0.05	0.05	0.01	0.09
rows fetched via callback	19,843	65.91	5.31	32.96	10.00	25.89	40.03
session connect time	1,287	4.27	0.34	2.14	3.01	0.01	4.27
session cursor cache hits	12,706	42.20	3.40	21.10	7.62	15.71	26.49
session logical reads	318,786	1,058.87	85.24	529.44	178.45	403.25	655.62
shared hash latch upgrades - no wait	9,272	30.80	2.48	15.40	1.61	14.26	16.54
sorts (memory)	10,625	35.29	2.84	17.65	5.90	13.48	21.82
sorts (rows)	23,537	78.18	6.29	39.09	1.30	38.17	40.01
summed dirty queue length	161	0.53	0.04	0.27	0.19	0.14	0.40
switch current to new buffer	35	0.12	0.01	0.06	0.02	0.05	0.07
table fetch by rowid	130,736	434.25	34.96	217.13	119.73	132.46	301.79
table scan blocks gotten	8,903	29.57	2.38	14.79	4.71	11.46	18.12
table scan rows gotten	286,315	951.02	76.55	475.51	205.14	330.45	620.57
table scans (short tables)	5,114	16.99	1.37	8.49	2.21	6.93	10.06
temp space allocated (bytes)	1,048,576	3,482.94	280.37	3,482.94		3,482.94	3,482.94
total cf enq hold time	32,170	106.86	8.60	53.43	26.42	34.74	72.11
total number of cf enq holders	19	0.06	0.01	0.03	0.00	0.03	0.03
total number of times SMON posted	11	0.04	0.00	0.02	0.01	0.01	0.03
transaction lock background gets	6	0.02	0.00	0.02		0.02	0.02
transaction lock foreground requests	6	0.02	0.00	0.02		0.02	0.02
transaction lock foreground wait time	191	0.63	0.05	0.63		0.63	0.63
transaction rollbacks	6	0.02	0.00	0.01	0.01	0.00	0.02
undo change vector size	4,961,800	16,481.02	1,326.68	8,240.51	670.21	7,766.60	8,714.42
user I/O wait time	41,302	137.19	11.04	68.59	8.59	62.52	74.67
user calls	21,631	71.85	5.78	35.92	9.22	29.40	42.45
user commits	3,740	12.42	1.00	6.21	1.71	5.00	7.42
workarea executions - optimal	1,072	3.56	0.29	1.78	0.13	1.69	1.87
write clones created in foreground	11	0.04	0.00	0.02	0.01	0.01	0.02

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Global Messaging Statistics (Global)

- per Second Average - average of per-instance per Second rates
- per Second Std Dev - standard deviation of per-instance per Second rates
- per Second Min - minium of per-instance per Second rates
- per Second Max - maximum of per-instance per Second rates

				per Second			
Statistic	Total	per Second	per Trans	Average	Std Dev	Min	Max
acks for commit broadcast(actual)	1,553	5.16	0.42	2.58	0.44	2.27	2.89
acks for commit broadcast(logical)	1,960	6.51	0.52	3.26	0.54	2.87	3.64
broadcast msgs on commit(actual)	1,960	6.51	0.52	3.26	0.54	2.87	3.64
broadcast msgs on commit(logical)	2,427	8.06	0.65	4.03	0.53	3.66	4.40
broadcast msgs on commit(wasted)	546	1.81	0.15	0.91	0.28	0.71	1.10
gcs assume no cvt	4,279	14.21	1.14	7.11	0.27	6.91	7.30
gcs blocked converts	6,200	20.59	1.66	10.30	0.09	10.23	10.36
gcs blocked cr converts	2,991	9.93	0.80	4.97	0.79	4.41	5.53
gcs compatible basts	58	0.19	0.02	0.10	0.05	0.06	0.13
gcs compatible cr basts (global)	273	0.91	0.07	0.45	0.24	0.28	0.62
gcs compatible cr basts (local)	3,429	11.39	0.92	5.69	0.13	5.60	5.79
gcs dbwr flush pi msgs	530	1.76	0.14	0.88	0.03	0.86	0.90
gcs dbwr write request msgs	308	1.02	0.08	0.51	0.09	0.45	0.58
gcs immediate (compatible) converts	972	3.23	0.26	1.61	0.06	1.57	1.65
gcs immediate (null) converts	930	3.09	0.25	1.54	0.11	1.46	1.62

gcs immediate cr (compatible) converts	26	0.09	0.01	0.04	0.05	0.01	0.08
gcs immediate cr (null) converts	1,981	6.58	0.53	3.29	0.08	3.24	3.34
gcs indirect ast	2,237	7.43	0.60	3.72	0.88	3.09	4.34
gcs indirect bidless ast	13	0.04	0.00	0.04		0.04	0.04
gcs indirect fg ast	2,224	7.39	0.59	3.69	0.91	3.05	4.34
gcs lms write request msgs	124	0.41	0.03	0.21	0.00	0.20	0.21
gcs msgs process time(ms)	4,746	15.76	1.27	7.88	1.29	6.97	8.79
gcs msgs received	26,664	88.57	7.13	44.28	3.95	41.49	47.08
gcs new served by master	624	2.07	0.17	1.04	0.13	0.94	1.13
gcs pings refused	51	0.17	0.01	0.08	0.04	0.06	0.11
gcs queued converts	45	0.15	0.01	0.07	0.04	0.05	0.10
gcs side channel msgs actual	1,280	4.25	0.34	2.13	0.00	2.13	2.13
gcs side channel msgs logical	13,746	45.66	3.68	22.83	1.51	21.76	23.90
gcs undo cr	8	0.03	0.00	0.03		0.03	0.03
gcs write notification msgs	59	0.20	0.02	0.10	0.00	0.10	0.10
gcs writes refused	6	0.02	0.00	0.01	0.01	0.00	0.02
ges msgs process time(ms)	133	0.44	0.04	0.22	0.07	0.17	0.27
ges msgs received	1,067	3.54	0.29	1.77	0.14	1.67	1.87
global posts queue time	596	1.98	0.16	0.99	1.16	0.17	1.81
global posts queued	29	0.10	0.01	0.05	0.05	0.01	0.08
global posts requested	42	0.14	0.01	0.07	0.07	0.02	0.12
global posts sent	29	0.10	0.01	0.05	0.05	0.01	0.08
implicit batch messages received	943	3.13	0.25	1.57	0.46	1.24	1.89
implicit batch messages sent	937	3.11	0.25	1.56	0.45	1.24	1.87
messages flow controlled	163	0.54	0.04	0.27	0.04	0.25	0.30
messages queue sent actual	7,318	24.31	1.96	12.15	2.25	10.57	13.74
messages queue sent logical	2,092	6.95	0.56	3.47	1.10	2.69	4.25
messages received actual	24,896	82.69	6.66	41.35	3.43	38.92	43.77
messages received logical	27,731	92.11	7.41	46.06	3.81	43.36	48.75
messages sent directly	15,716	52.20	4.20	26.10	1.53	25.02	27.18
messages sent indirectly	8,047	26.73	2.15	13.36	2.33	11.72	15.01
messages sent not implicit batched	1	0.00	0.00	0.00		0.00	0.00
messages sent pbatched	5,177	17.20	1.38	8.60	0.17	8.48	8.72
msgs causing lmd to send msgs	423	1.41	0.11	0.70	0.15	0.60	0.81
msgs causing lms(s) to send msgs	1,981	6.58	0.53	3.29	0.02	3.28	3.30
msgs received queue time (ms)	3,728	12.38	1.00	6.19	1.16	5.37	7.01
msgs received queued	27,731	92.11	7.41	46.06	3.81	43.36	48.75
msgs sent queue time (ms)	3,838	12.75	1.03	6.37	3.18	4.13	8.62
msgs sent queue time on ksxp (ms)	787,103	2,614.43	210.46	1,307.21	74.60	1,254.47	1,359.96
msgs sent queued	8,823	29.31	2.36	14.65	2.63	12.79	16.51
msgs sent queued on ksxp	24,902	82.71	6.66	41.36	3.22	39.08	43.64
process batch messages received	3,389	11.26	0.91	5.63	0.04	5.60	5.65
process batch messages sent	3,719	12.35	0.99	6.18	0.01	6.17	6.18

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System Statistics (Absolute Values)

	Sessions		Open Cursors		Session Cached Cursors	
I#	Begin	End	Begin	End	Begin	End
1	61	88	75	137	187,389	211,480
2	89	60	138	69	92,243	108,676
Sum	150	148	213	206	279,632	320,156
Avg	75	74	107	103	139,816	160,078
Std	20	20	45	48	67,278	72,693

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I/O Statistics

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IOStat by Function (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

	Reads MB/sec			Writes MB/sec				Reads requests/sec			Writes requests/sec			
I#	Total	Buffer Cache	Direct Reads	Total	DBWR	Direct Writes	LGWR	Total	Buffer Cache	Direct Reads	Total	DBWR	Direct Writes	LGWR
1	0.10	0.03	0.00	0.10	0.03	0.00	0.06	8.64	4.55	0.00	12.10	1.85	0.00	9.53
2	0.07	0.02	0.00	0.09	0.03	0.00	0.05	6.25	3.04	0.00	10.20	1.67	0.00	7.80
Sum	0.17	0.06	0.00	0.20	0.06	0.00	0.11	14.89	7.59	0.00	22.30	3.52	0.00	17.33
Avg	0.08	0.03	0.00	0.10	0.03	0.00	0.05	7.44	3.80	0.00	11.15	1.76	0.00	8.67

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IOStat by File Type (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

	Reads MB/sec			Writes MB/sec				Reads requests/sec			Writes requests/sec			
I#	Total	Data File	Temp File	Total	Data File	Temp File	Log File	Total	Data File	Temp File	Total	Data File	Temp File	Log File
1	0.10	0.03	0.00	0.10	0.03	0.00	0.06	8.59	4.58	0.00	12.08	1.89	0.00	9.52
2	0.08	0.03	0.00	0.09	0.03	0.00	0.05	6.26	3.04	0.00	10.25	1.71	0.00	7.81

Sum	0.18	0.06	0.00	0.19	0.05	0.00	0.11	14.85	7.62	0.00	22.33	3.60	0.00	17.33
Avg	0.09	0.03	0.00	0.09	0.03	0.00	0.06	7.43	3.81	0.00	11.16	1.80	0.00	8.67

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Segment Statistics (Global)

- % Total shows % of statistic for each segment compared to the global cluster-wide total (logical reads, physical reads, gc [cr/cu] blocks [recv/serv])
- % Capture shows % of statistic for each segment compared to the total captured by AWR for all segments during the snapshot interval
- Captured Segments account for 101.7% of Total Logical Reads: 318,786
- Captured Segments account for 100.2% of Total Physical Reads: 2,308
- Captured Segments account for 100.3% of Total Physical Read Requests: 2,307
- Captured Segments account for 100.3% of Total UnOptimized Read Requests: 2,307
- Captured Segments account for 0.0% of Total Optimized Read Requests: 1
- Captured Segments account for 0.0% of Total Direct Physical Reads: 1
- Captured Segments account for 60.1% of Total Physical Writes: 1,940
- Captured Segments account for 72.1% of Total Physical Write Requests: 942
- Captured Segments account for 100.0% of Total Direct Physical Writes: 27
- Captured Segments account for 0.0% of Total Table Scans: 1
- Captured Segments account for 91.2% of Total CR Blocks Received: 3,011
- Captured Segments account for 96.9% of Total Current Blocks Received: 8,514
- Captured Segments account for 91.4% of Total CR Blocks Served: 3,003
- Captured Segments account for 96.6% of Total Current Blocks Served: 8,539

Statistic	Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	Value	%Total	%Capture
buffer busy waits	SYS	SYSTEM	AUD$		TABLE	5,259		99.62
	SOE	SOE	LOGON		TABLE	17		0.32
	SOE	SOE	CUSTOMERS_PK		INDEX	1		0.02
	SOE	SOE	CUSTOMERS		TABLE	1		0.02
	SOE	SOE	ORDER_ITEMS		TABLE	1		0.02
db block changes	SYS	SYSTEM	AUD$		TABLE	38,160		40.04
	SOE	SOE	LOGON		TABLE	36,560		38.36
	SOE	SOE	ORD_ORDER_DATE_IX		INDEX	13,232		13.89
	SOE	SOE	CUST_EMAIL_IX		INDEX	5,248		5.51
	SOE	SOE	ORD_WAREHOUSE_IX		INDEX	2,096		2.20
gc buffer busy	SYS	SYSTEM	AUD$		TABLE	5,208		99.43
	SOE	SOE	LOGON		TABLE	12		0.23
	SOE	SOE	CUSTOMERS_PK		INDEX	4		0.08
	SOE	SOE	CUST_ACCOUNT_MANAGER_IX		INDEX	4		0.08
	SOE	SOE	CUST_EMAIL_IX		INDEX	3		0.06
	SOE	SOE	ITEM_PRODUCT_IX		INDEX	3		0.06
	SOE	SOE	CUST_UPPER_NAME_IX		INDEX	2		0.04
	SYS	SYSAUX	SYS$SERVICE_METRICS_TAB		TABLE	2		0.04
gc cr blocks received	SOE	SOE	INVENTORIES		TABLE	1,683	55.90	72.48
	SYS	SYSTEM	AUD$		TABLE	336	11.16	14.47
	SOE	SOE	CUSTOMERS_PK		INDEX	177	5.88	7.62
	SOE	SOE	ORD_CUSTOMER_IX		INDEX	76	2.52	3.27
	SOE	SOE	ITEM_ORDER_IX		INDEX	50	1.66	2.15
gc cr blocks served	SOE	SOE	INVENTORIES		TABLE	1,683	56.04	72.48
	SYS	SYSTEM	AUD$		TABLE	336	11.19	14.47
	SOE	SOE	CUSTOMERS_PK		INDEX	177	5.89	7.62
	SOE	SOE	ORD_CUSTOMER_IX		INDEX	76	2.53	3.27
	SOE	SOE	ITEM_ORDER_IX		INDEX	50	1.67	2.15
gc cu blocks received	SOE	SOE	INVENTORIES		TABLE	3,035	35.65	49.25
	SOE	SOE	ITEM_PRODUCT_IX		INDEX	978	11.49	15.87
	SOE	SOE	ORD_WAREHOUSE_IX		INDEX	810	9.51	13.15
	SYS	SYSTEM	AUD$		TABLE	774	9.09	12.56
	SOE	SOE	CUSTOMERS		TABLE	565	6.64	9.17
gc cu blocks served	SOE	SOE	INVENTORIES		TABLE	3,035	35.54	49.25
	SOE	SOE	ITEM_PRODUCT_IX		INDEX	978	11.45	15.87
	SOE	SOE	ORD_WAREHOUSE_IX		INDEX	810	9.49	13.15
	SYS	SYSTEM	AUD$		TABLE	774	9.06	12.56
	SOE	SOE	CUSTOMERS		TABLE	565	6.62	9.17
logical reads	SOE	SOE	INVENTORY_PK		INDEX	46,384	14.55	25.07
	SYS	SYSTEM	AUD$		TABLE	44,208	13.87	23.90
	SYS	SYSTEM	I_SYSAUTH1		INDEX	39,024	12.24	21.09
	SYS	SYSTEM	PROPS$		TABLE	37,936	11.90	20.51
	SOE	SOE	CUSTOMERS_PK		INDEX	17,456	5.48	9.44
physical reads	SOE	SOE	INVENTORIES		TABLE	1,398	60.57	70.78
	SOE	SOE	CUSTOMERS		TABLE	273	11.83	13.82
	SOE	SOE	ORDERS		TABLE	151	6.54	7.65
	SOE	SOE	ORDER_ITEMS		TABLE	85	3.68	4.30
	SOE	SOE	ORD_ORDER_DATE_IX		INDEX	68	2.95	3.44
physical read requests	SOE	SOE	INVENTORIES		TABLE	1,398	60.60	70.78
	SOE	SOE	CUSTOMERS		TABLE	273	11.83	13.82
	SOE	SOE	ORDERS		TABLE	151	6.55	7.65
	SOE	SOE	ORDER_ITEMS		TABLE	85	3.68	4.30
	SOE	SOE	ORD_ORDER_DATE_IX		INDEX	68	2.95	3.44
physical writes	SOE	SOE	ORDER_ITEMS_PK		INDEX	199		28.80
	SOE	SOE	ITEM_ORDER_IX		INDEX	142		20.55
	SOE	SOE	ORD_WAREHOUSE_IX		INDEX	135		19.54
	SOE	SOE	ITEM_PRODUCT_IX		INDEX	121		17.51
	SOE	SOE	INVENTORIES		TABLE	94		13.60
physical writes direct	SYS	SYSAUX	WRH$_ACTIVE_SESSION_HISTORY	WRH$_ACTIVE_796901606_0	TABLE PARTITION	27		100.00
physical write requests	SOE	SOE	ITEM_PRODUCT_IX		INDEX	109	11.57	29.14
	SOE	SOE	ORD_WAREHOUSE_IX		INDEX	90	9.55	24.06
	SOE	SOE	INVENTORIES		TABLE	85	9.02	22.73
	SOE	SOE	ORD_ORDER_DATE_IX		INDEX	52	5.52	13.90
	SOE	SOE	ORD_CUSTOMER_IX		INDEX	38	4.03	10.16
row lock waits	SOE	SOE	CUST_EMAIL_IX		INDEX	2		33.33
	SOE	SOE	ITEM_PRODUCT_IX		INDEX	2		33.33
	SOE	SOE	ORD_ORDER_DATE_IX		INDEX	2		33.33

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Library Cache Activity

- Summarized for all instances in the report
- "Pct Misses" should be very low

Namespace	Get Requests	Pct Miss	Pin Requests	Pct Miss	Reloads	Invali- dations	GES Lock Requests	GES Pin Requests	GES Pin Releases	GES Inval Requests	GES Invali- dations
ACCOUNT_STATUS	4,742	0.00	0		0	0	4,742	0	0	0	0
BODY	14,373	0.00	18,020	0.00	0	0	0	17,088	17,088	0	0
CLUSTER	8	0.00	8	0.00	0	0	8	8	8	0	0
DBLINK	4,742	0.00	0		0	0	4,742	0	0	0	0
EDITION	2,381	0.00	4,758	0.00	0	0	2,381	2,382	2,382	0	0
INDEX	54	0.00	54	0.00	0	0	54	54	54	0	0
QUEUE	197	0.00	315	0.00	0	0	104	315	315	0	0
RULESET	0		39	0.00	0	0	0	39	39	0	0
SCHEMA	2,377	0.00	0		0	0	2,377	0	0	0	0
SQL AREA	24,465	0.13	66,350	0.21	2	0	0	0	0	0	0
SQL AREA BUILD	47	68.09	0		0	0	0	0	0	0	0
SQL AREA STATS	46	95.65	46	95.65	0	0	0	0	0	0	0
SUBSCRIPTION	2	0.00	2	0.00	0	0	0	2	2	0	0
TABLE/PROCEDURE	13,704	0.00	39,047	0.00	1	0	382	37,519	37,519	0	0
TRANSFORMATION	30	0.00	30	0.00	0	0	30	30	30	0	0
TRIGGER	16	0.00	17	0.00	0	0	0	17	17	0	0

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Memory Statistics

- PGA Aggregate Target Statistics
- Process Memory Summary

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PGA Aggregate Target Statistics

- all stats are reported in MegaBytes

	PGA Aggr Target		Auto PGA Target		PGA Mem Alloc		Auto Workareas		Manual Workarea		Global Mem Bound	
I#	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End
1	496.00	496.00	155.16	111.36	390.48	449.51	0.00	0.00	0.00	0.00	99.20	99.20
2	480.00	480.00	102.40	153.01	448.06	378.68	0.00	0.00	0.00	0.00	96.00	96.00

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Process Memory Summary

- Max Alloc is Maximum PGA allocation size at snapshot time
- Hist Alloc is the Historical Maximum Allocation for still-connected processes
- Num Procs or Allocs: For Begin/End snapshot lines, it is the number of processes For Category lines, it is the number of allocations
- Allocation sizes are displayed in MegaBytes
- ordered by instance, Allocated Total (End) desc

		Allocated		Used		Avg Alloc		Std Dev		Max Alloc		Hist Max		Num Procs		Num Allocs	
I#	Category	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End
1	Other	350.57	404.98			5.56	4.45	7.75	6.65	31.46	31.46	42.12	42.12	63	91	63	91
	Freeable	37.69	37.63	0.00	0.00	2.51	2.51	4.77	4.76	18.00	18.00			15	15	15	15
	PL/SQL	1.13	4.86	0.86	3.56	0.02	0.05	0.04	0.06	0.16	0.16	0.45	0.45	61	89	61	88
	SQL	1.11	2.07	0.72	1.22	0.04	0.04	0.12	0.09	0.63	0.66	5.92	6.25	27	55	20	47
2	Other	395.41	335.70			4.35	5.33	6.20	7.24	31.46	31.46	31.46	31.46	91	63	91	63
	Freeable	43.75	38.75	0.00	0.00	1.41	1.68	3.13	3.61	18.00	18.00			31	23	31	23
	PL/SQL	7.58	3.89	3.67	0.94	0.09	0.06	0.28	0.34	2.66	2.66	3.39	3.39	89	61	89	60
	SQL	1.35	0.35	0.62	0.15	0.02	0.01	0.02	0.01	0.13	0.04	6.27	4.68	58	28	51	20

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Supplemental Information

- init.ora Parameters
- init.ora Multi-valued Parameters
- Complete List of SQL Text

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init.ora Parameters

- '*' indicates same value across all instances

Parameter Name	I#	Begin value	End value (if different)
audit_file_dest	*	/u01/app/oracle/admin/racdb/adump	
audit_trail	*	DB	
cluster_database	*	TRUE	
compatible	*	11.2.0.0.0	
control_files	*	+RACDB_DATA/racdb/controlfile/current.269.799284843, +FAR/racdb/controlfile/current.262.799284847	
db_block_size	*	8192	
db_create_file_dest	*	+RACDB_DATA	
db_domain	*	ideveopment.info	
db_file_name_convert	*	RACDB, RACDB	
db_name	*	racdb	
db_recovery_file_dest	*	+FAR	
db_recovery_file_dest_size	*	30408704000	
diagnostic_dest	*	/u01/app/oracle	
dispatchers	*	(PROTOCOL=TCP) (SERVICE=racdbXDB)	

fal_server	*	DGRACDB
instance_number	1	1
	2	2
local_listener	1	(DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=192.168.1.251)(PORT=1521))))
	2	(DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=192.168.1.252)(PORT=1521))))
log_archive_config	*	DG_CONFIG=(RACDB, DGRACDB)
log_archive_dest_1	*	LOCATION=USE_DB_RECOVERY_FILE_DEST VALID_FOR=(ALL_LOGFILES, ALL_ROLES) DB_UNIQUE_NAME=RACDB
log_archive_dest_2	*	SERVICE=DGRACDB ARCH VALID_FOR=(ONLINE_LOGFILES, PRIMARY_ROLE) DB_UNIQUE_NAME=DGRACDB
log_archive_format	*	%t_%s_%r.arc
log_archive_max_processes	*	8
log_file_name_convert	*	DGRACDB, RACDB
memory_target	*	1275068416
open_cursors	*	300
processes	*	150
remote_listener	*	racnode-cluster-scan:1521
remote_login_passwordfile	*	EXCLUSIVE
service_names	1	oe.idevelopment.info, racdbsvc.idevelopment.info, racdbtaf.idevelopment.info
	2	oe.idevelopment.info, racdbsvc.idevelopment.info, racdbtaf_preconnect.idevelopment.info
spfile	*	+RACDB_DATA/racdb/spfileracdb.ora
standby_file_management	*	AUTO
thread	1	1
	2	2
undo_tablespace	1	UNDOTBS1
	2	UNDOTBS2

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init.ora Multi-valued Parameters

- This section only displays parameters that have more one value
- '*' indicates same value across all instances
- '(NULL)' indicates that the parameter value was not set
- A blank value in the End Snapshot indicates the value is the same as the Begin Snapshot

Parameter Name	I#	Begin value	End value (if different)
control_files	*	+FAR/racdb/controlfile/current.262.799284847	
	*	+RACDB_DATA/racdb/controlfile/current.269.799284843	
log_file_name_convert	*	DGRACDB	
	*	RACDB	

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Complete List of SQL Text

SQL Id	SQL Text
0bzhqhhj9mpaa	INSERT INTO CUSTOMERS(CUSTOMER_ID , CUST_FIRST_NAME , CUST_LAST_NAME , NLS_LANGUAGE , NLS_TERRITORY , CREDIT_LIMIT , CUST_EMAIL , ACCOUNT_MGR_ID) VALUES (:B9 , :B4 , :B3 , :B8 , :B7 , FLOOR(DBMS_RANDOM.VALUE(:B6 , :B5)), :B4 ||':'||:B3 ||'@'||'oracle.com', FLOOR(DBMS_RANDOM.VALUE(:B2 , :B1)))
0k8522rmdzg4k	select privilege# from sysauth$ where (grantee#=:1 or grantee#=1) and privilege#>0
0ruh367af7gbw	SELECT ORDER_ID, ORDER_MODE, CUSTOMER_ID, ORDER_STATUS, ORDER_TOTAL, SALES_REP_ID, PROMOTION_ID FROM ORDERS WHERE CUSTOMER_ID = :B2 AND ROWNUM < :B1
0w2qpuc6u2zsp	BEGIN :1 := orderentry.neworder(:2 , :3 , :4); END;
0ws7ahf1d78qa	select SYS_CONTEXT('USERENV', 'SERVER_HOST'), SYS_CONTEXT('USERENV', 'DB_UNIQUE_NAME'), SYS_CONTEXT('USERENV', 'INSTANCE_NAME'), SYS_CONTEXT('USERENV', 'SERVICE_NAME'), INSTANCE_NUMBER, STARTUP_TIME, SYS_CONTEXT('USERENV', 'DB_DOMAIN') from v$instance where INSTANCE_NAME=SYS_CONTEXT('USERENV', 'INSTANCE_NAME')
0y1prvxqc2ra9	SELECT PRODUCTS.PRODUCT_ID, PRODUCT_NAME, PRODUCT_DESCRIPTION, CATEGORY_ID, WEIGHT_CLASS, WARRANTY_PERIOD, SUPPLIER_ID, PRODUCT_STATUS, LIST_PRICE, MIN_PRICE, CATALOG_URL, QUANTITY_ON_HAND FROM PRODUCTS, INVENTORIES WHERE PRODUCTS.PRODUCT_ID = :B2 AND INVENTORIES.PRODUCT_ID = PRODUCTS.PRODUCT_ID AND ROWNUM < :B1
0yas01u2p9ch4	INSERT INTO ORDER_ITEMS(ORDER_ID, LINE_ITEM_ID, PRODUCT_ID, UNIT_PRICE, QUANTITY) VALUES (:B4 , :B3 , :B2 , :B1 , 1)
147a57cxq3w5y	BEGIN :1 := orderentry.browseproducts(:2 , :3 , :4); END;
1b3utaf6tfhfy	UPDATE ORDER_ITEMS SET QUANTITY = QUANTITY + 1 WHERE ORDER_ITEMS.ORDER_ID = :B2 AND ORDER_ITEMS.LINE_ITEM_ID = :B1
1cd2krbdzrhvq	insert into wrh$_tempstatxs (snap_id, dbid, instance_number, file#, creation_change#, phyrds, phywrts, singleblkrds, readtim, writetim, singleblkrdtim, phyblkrd, phyblkwrt, wait_count, time) select :snap_id, :dbid, :instance_number, tf.tfnum, to_number(tf.tfcrc_scn) creation_change#, ftio.kcftiopyr, ftio.kcftiopyw, ftio.kcftiosbr, floor(ftio.kcftioprt / 10000), floor(ftio.kcftiopwt / 10000), floor(ftio.kcftiosbt / 10000), ftio.kcftiopbr, ftio.kcftiopbw, fw.count, fw.time from x$kcftio ftio, x$kcctf tf, x$kcbfwait fw, x$kccfn fn, x$kccts ts where ts.tstsn = tf.tftsn and ftio.kcftiofno = fn.fnfno and tf.tfnum = fn.fnfno and tf.tffnh = fn.fnnum and tf.tfdup <> 0 and fn.fntyp = 7 and fn.fnnam is not null and bitand(tf.tfsta, 32) <> 32 and fw.indx+1 = (fn.fnfno + :db_files)
1v717nvrhgbn9	SELECT USER FROM SYS.DUAL
459f3z9u4fb3u	select value$ from props$ where name = 'GLOBAL_DB_NAME'
4tx09gq85z630	SELECT ORDER_ID, LINE_ITEM_ID, PRODUCT_ID, UNIT_PRICE, QUANTITY FROM ORDER_ITEMS WHERE ORDER_ID = :B2 AND ROWNUM < :B1
4vs91dcv7u1p6	insert into sys.aud$(sessionid, entryid, statement, ntimestamp#, userid, userhost, terminal, action#, returncode, obj$creator, obj$name, auth$privileges, auth$grantee, new$owner, new$name, ses$actions, ses$tid, logoff$pread, logoff$lwrite, logoff$dead, comment$text, spare1, spare2, priv$used, clientid, sessioncpu, proxy$sid, user$guid, instance#, process#, xid, scn, auditid, sqlbind, sqltext, obj$edition, dbid) values(:1, :2, :3, SYS_EXTRACT_UTC(SYSTIMESTAMP), :4, :5, :6, :7, :8, :9, :10, :11, :12, :13, :14, :15, :16, :17, :18, :19, :20, :21, :22, :23, :24, :25, :26, :27, :28, :29, :30, :31, :32, :33, :34, :35, :36)
5mddt5kt45rg3	UPDATE ORDERS SET ORDER_MODE = 'online', ORDER_STATUS = FLOOR(DBMS_RANDOM.VALUE(0, :B3)), ORDER_TOTAL = :B2 WHERE ORDER_ID = :B1
5ur69atw3vfhj	select decode(failover_method, NULL, 0 , 'BASIC', 1, 'PRECONNECT', 2 , 'PREPARSE', 4 , 0), decode(failover_type, NULL, 1 , 'NONE', 1 , 'SESSION', 2, 'SELECT', 4, 1), failover_retries, failover_delay, flags from service$ where name = :1
7r7636982atn9	UPDATE INVENTORIES SET QUANTITY_ON_HAND = QUANTITY_ON_HAND - :B1 WHERE PRODUCT_ID = :B3 AND WAREHOUSE_ID = :B2
8dq0v1mjngj7t	SELECT CUSTOMER_ID, CUST_FIRST_NAME, CUST_LAST_NAME, NLS_LANGUAGE, NLS_TERRITORY, CREDIT_LIMIT, CUST_EMAIL, ACCOUNT_MGR_ID FROM CUSTOMERS WHERE CUSTOMER_ID = :B2 AND ROWNUM < :B1
8z3542ffmp562	SELECT QUANTITY_ON_HAND FROM PRODUCT_INFORMATION P, INVENTORIES I WHERE I.PRODUCT_ID = :B2 AND I.PRODUCT_ID = P.PRODUCT_ID AND I.WAREHOUSE_ID = :B1
apgb2g9q2zjh1	BEGIN :1 := orderentry.browseandupdateorders(:2 , :3 , :4); END;
bymb3ujkr3ubk	INSERT INTO ORDERS(ORDER_ID, ORDER_DATE, CUSTOMER_ID, WAREHOUSE_ID) VALUES (ORDERS_SEQ.NEXTVAL + :B3 , SYSTIMESTAMP , :B2 , :B1) RETURNING ORDER_ID INTO :O0
c13sma6rkr27c	SELECT PRODUCTS.PRODUCT_ID, PRODUCT_NAME, PRODUCT_DESCRIPTION, CATEGORY_ID, WEIGHT_CLASS, WARRANTY_PERIOD, SUPPLIER_ID, PRODUCT_STATUS, LIST_PRICE, MIN_PRICE, CATALOG_URL, QUANTITY_ON_HAND FROM PRODUCTS, INVENTORIES WHERE PRODUCTS.CATEGORY_ID = :B3 AND INVENTORIES.PRODUCT_ID = PRODUCTS.PRODUCT_ID AND INVENTORIES.WAREHOUSE_ID = :B2 AND ROWNUM < :B1
cm5vu20fhtnq1	select /*+ connect_by_filtering */ privilege#, level from sysauth$ connect by grantee#=prior privilege# and privilege#>0 start with grantee#=:1 and privilege#>0
dcq9a12vtcnuw	BEGIN :1 := orderentry.newcustomer(:2 , :3 , :4 , :5 , :6 , :7); END;
f711myt0q6cma	insert into sys.aud$(sessionid, entryid, statement, ntimestamp#, userid, userhost, terminal, action#, returncode, logoff$lread, logoff$pread, logoff$lwrite, logoff$dead, logoff$time, comment$text, spare1, clientid, sessioncpu, proxy$sid, user$guid, instance#, process#, auditid, dbid) values(:1, :2, :3, SYS_EXTRACT_UTC(SYSTIMESTAMP), :4, :5, :6, :7, :8, :9, :10, :11, :12, cast(SYS_EXTRACT_UTC(systimestamp) as date), :13, :14, :15, :16, :17, :18, :19, :20, :21, :22)

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End of Report