

	cquii	emen	r reports.
SQL> @iosumx			
Remember: This report must be run	n twice so bo	th the initial	and
final values are available. If no	o output, pres	ss enter a iew	times.
Database: prod3			27-AUG-09 06:25pm
Report: iosumx.sgl 08	SM bv OraPub,	Inc.	Page 1
Oracle IO Int	terval (v\$sys	stat) Summary	
		<i>,</i> -	
IOP/s and IOP			
Total Read	:	197.043	45714
Total Write	:	469.539	108933
Total R+W	:	666.582	154647
MB/s and MB			
Total Read	:	3.131	726.477
Total Write	:	7.029	1630.771
Total R+W	:	10.161	2357.248
Detailed Component Data			
Interval (s)	:	232	
SRVR Read IOP/s, IOP	:	197.043	45714
SRVR Read MB/S, MB	:	3.131	/26.4//
DBWR+SRVR Write 10P/s, 10P	:	460.866	106921
DBWRTSRVR WIITE MB/S, MB	•	3./41	2012
LGWR WRITE IOP/S, IOP	:	0.0/2	2012
LOWK WIILE MD/S, MB	•	3.200	/02.020

## 10g+ SQL for IO requirements.

Server process		
read IC	operations, total	
	v\$sysstat.physical read IO [total] re	equests
read ME	s, total	
	v\$sysstat. <u>physical reads</u> X block size	e / (1024X1024)
Database write	and server process	
write I	O operations, total	
	v\$sysstat.physical write IO [total] r	<u>requests</u>
write M	Bs, total	
	v\$sysstat. <u>physical writes</u> X block siz	ze / (1024X1024)
Log writer pro	cess	
write I	O operations, total	
	v\$sysstat. <u>redo writes</u>	
write M	Bs, total	
	v\$sysstat. <u>redo size</u> / (1024X1024)	
v2f	©2011 OraPub, Inc.	OS Situational Anal









	"Appl" Worksheet											<b>e</b> raPub	
0	\varTheta 🔿 🔿											ds	
$\diamond$	A	В	С	D	E	F	G	Н	1	J	K	L	M
1	Application SQ	L Diag	nosis										
2	SQL_ID	Elapsed Time (sec)	PIO (tot)	LIO (tot)	CPU (tot sec)	Exec (tot)	Rows (tot)	Sorts (tot)	SQL Type	Elapsed Time (ms/exec)	CPU Time (sec/exe)	PIO (pio/exe)	LIO (lio/exe)
3 4	7pkuzfhjsgp0f 40k7ynchcjggt	51.842 25.201	0	8,409,060 4,077,120	51.842 25.201	395 191	396 192	0	SELEC SELEC	0.131 0.132 0.233	0.131 0.132 0.233	0.000	21288.759 21346.178
67	cvwf9j5kmx4h7 bhd50g0yh9b2y	1.518	0	148,645 318,525	1.518	6 14	7	0	SELEC	0.253	0.253	0.000	24774.167 22751.786
8 9 10	65a7uqrtg226p g4y6nw3tts7cc 4djdxkc6qg0jx	0.158 0.506	0	382,230 0 1,866	0.158 0.506	1021 120	18 1021 12	0	PL/SQ INSER	0.000 0.004	0.000 0.004	0.000 0.000	0.000 15.550
Data entry can be a hassle, so being able to copy/cut/paste using a text editor and Excel is very helpful.													
Ensure the units of time and units of work are correct!													
All data are deltas (T <sub>1</sub> - T <sub>0</sub> ) and can be gathered from $v$ \$sq1, Statspack, or AWR.													
The data in this worksheet is <b>not</b> linked to the other worksheets. This means you do NOT need to enter ALL the cells and can limit the SQL entered.													
pg:8	pg:8 v2f ©2011 OraPub, Inc. OS Situational Analysis											OS Situa	tional Analysis

2	A B C	D	je ng tenp		
	Operating Sutems Diagnosis				
1	Operating Sytems Diagnosis		" ~	$\mathbf{n}$	$\Lambda / = -1$
2	CPU Subsystem				WWOrkenddt
3	Capacity	21019.2	Core se		VVUINSIIGEL
4	CPU Cores	4		-	
5	Interval	5254.8	see		
6	Requirements				
7	OS v\$osstat.busy	21,013	sec		
8				(	
9	Utilization	00.070			
10	US vsosstat	99.97%			The CPU cores and v
11	OS vmstat	100.00%	Ň	~	
12	Uracle	98.75%		$\rightarrow$ soc	etat buev details must
13	TO Cubaustan			yus	acaconasy ucians musi
14	December 7 Time (from Orade)			here	ntored on they are tightly
10	Response time (from Oracle)	0.00000	mallan	— bee	entered as they are tightly
17	Read and write	0.00000	ms/lop	- · · ·	
10	Keau	0.00000	ms/lop	— lii	nked to other statistics
10	write	0.00000	msylop		
19	Workload			\	
20	TODE Dead + Write	0.2	IODE		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
21	IOPS Read + write	0.2	IOPS P (corr pro)	00	
22	IOPS Kedu	0.0	IOPS R (SIVI pic)	019	76
23	MB/c Road + Write	0.2	MB/c	910	/3
24	MP/s Read + write	0.002	MB/s D (spir pro)		
25	MB/s Write	0.000	MB/s W (dburtlour)	7	2
20	Pib/s write	0.002	MB/S W (dbwr+igwr)	/	2
22					
20	Notwork Subsystem				
30	tasping			-1	
21	client 1		21/2 /2/2	``	
32	client 2	110	avg ms	\	4
33	client 2	0.0	avg ms	\ \	This is what
34	clience 5	110	avy ins		
35	SQL*Net total round trips	0 1427	occurs/s		\
36	SQL Net total bytes transferred	0.1427	KB/c		→ actually occurred
37	oge her total bytes transferred	0.1105			
38	SQL*Net roundtrips to/from client	0.1427	trips/s	750 tri	DS .
39	SQL*Net roundtrips to/from dhlink	0.0000	trins/s	0 tri	🗟 during the
40	bytes received via SOL*Net from client	0.0541	KB/s	291.182 hv	
41	bytes received via SQL*Net from dhlink	0.0000	KB/s	0 by	tes
42	bytes sent via SQL*Net from client	0.0564	KB/s	303.349 by	📰 sample interval
43	bytes sent via SQL*Net from dblink	0.0000	KB/s	0 by	
44	ayees sene the sign meeting a bolink	0.0000		0 09	
45					
46	Memory Subsytem				