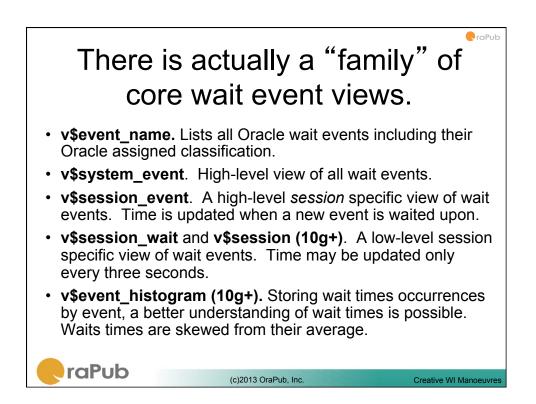
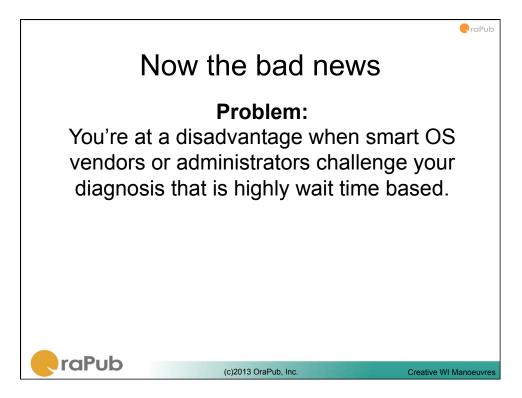
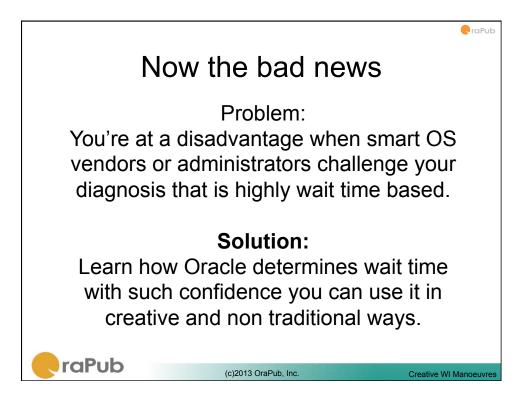


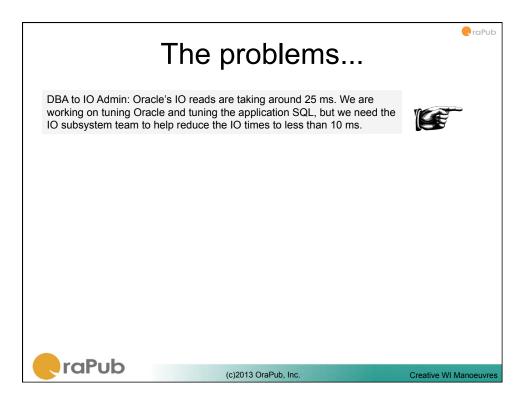
This	performance.	prove
	<pre>SQL&gt; 1 1 select time_type, 2 count(*) r, 3 sum(time_spent) tt, 4 avg(time_spent) at 5 from instrumentation 6* group by time_type SQL&gt; /</pre>	
	Resource       Runs       Tot Time       Avg Time         cpu       21       21.98       1.05         ior       7       4.06       0.58         iow       6       29.57       4.93         latch_get       12       2.67       0.22	
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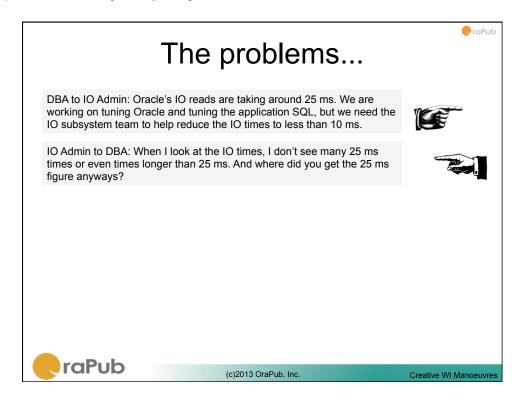


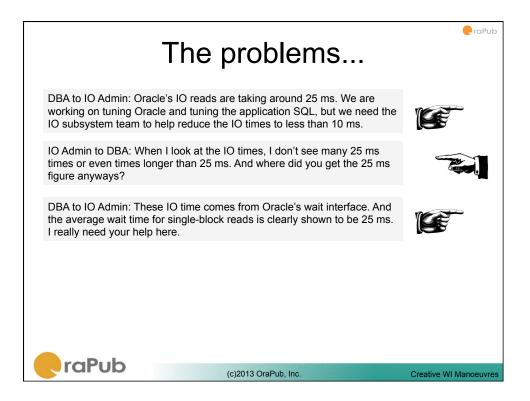
SQL> @swpctx Remember: This report must be a	run twice so	both th	o ini+ial a	nd
final values are available. If				nu
Database: prod3			28-FE	B-12 04:48pm
Report: swpctx.sql	OSM by Ora	Pub, Ind	c.	Page 1
System Event CH	ANGE (blue l	ine) Act	tivity By Pl	ERCENT
	Time Waited		-	
Wait Event	(sec)	Waited	Waited(ms)	Count(k)
db file scattered read	57.090	52.69	2.8	20
read by other session	41.150	37.98	14.1	3
latch: cache buffers chains	1.340	1.24	5.4	0
control file parallel write	0.770	0.71	70.0	0
log file sync	0.660	0.61	110.0	0
log file parallel write	0.490	0.45	49.0	0
db file sequential read	0.090	0.08	8.2	0
latch: cache buffers lru chain	0.020	0.02	0.6	0
latch free	0.000	0.00	0.0	0
	0.000	0.00	0.0	0
db file parallel write	0.000			

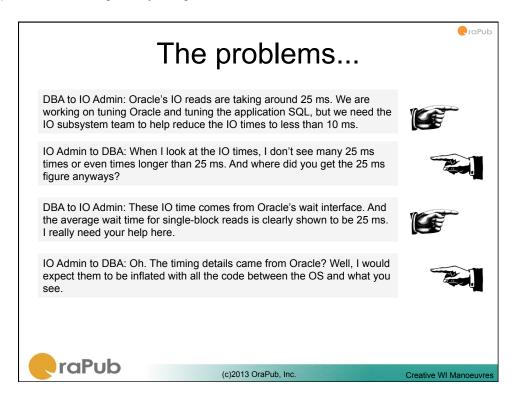


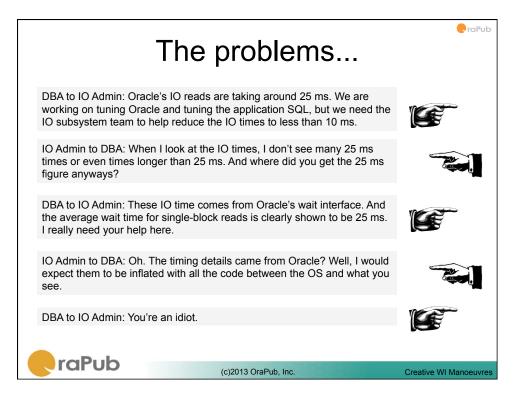


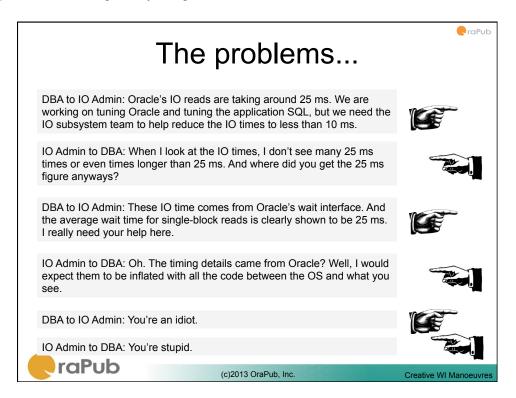


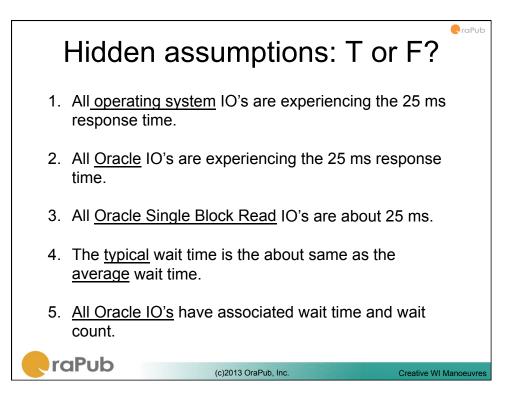


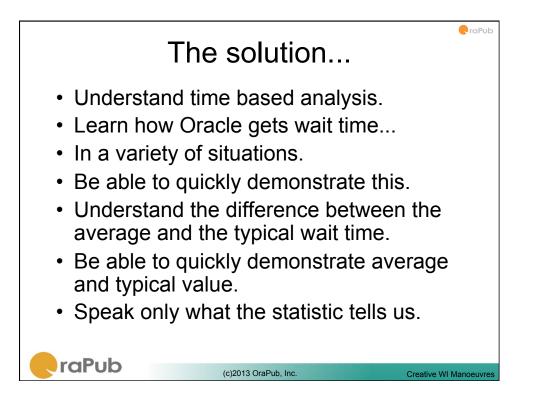


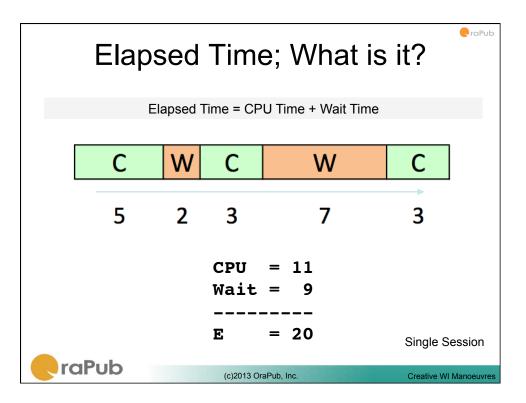


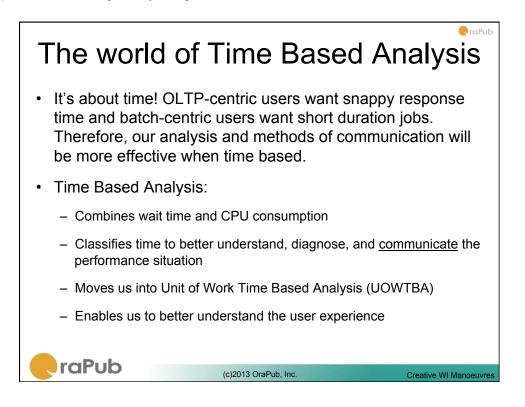


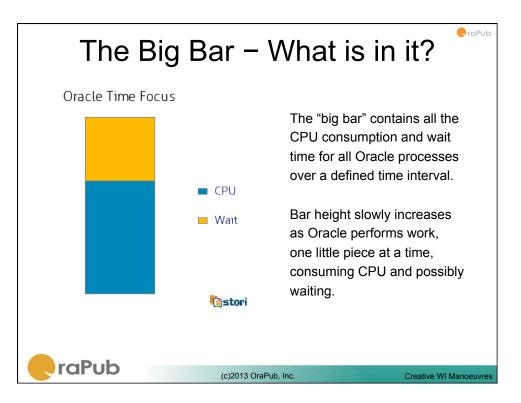


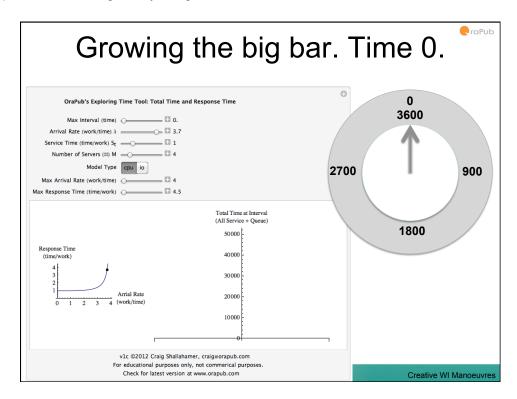


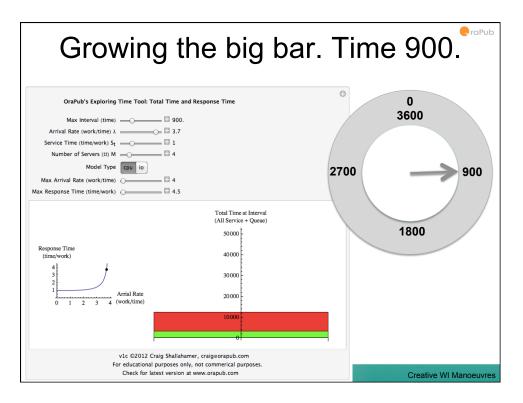


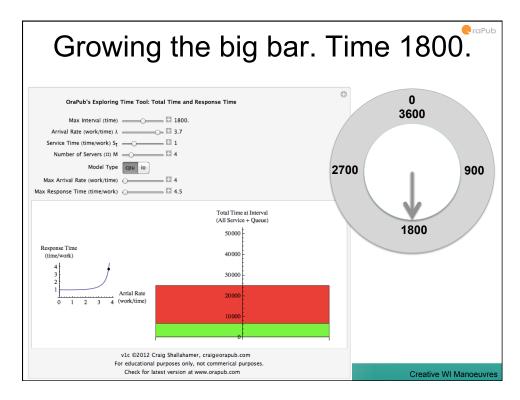


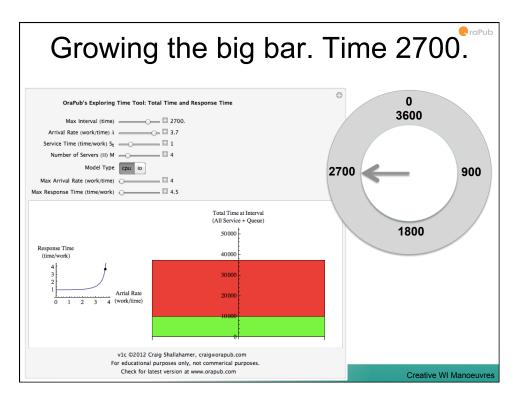


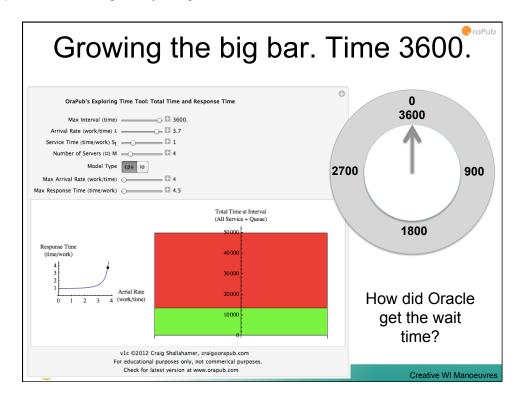






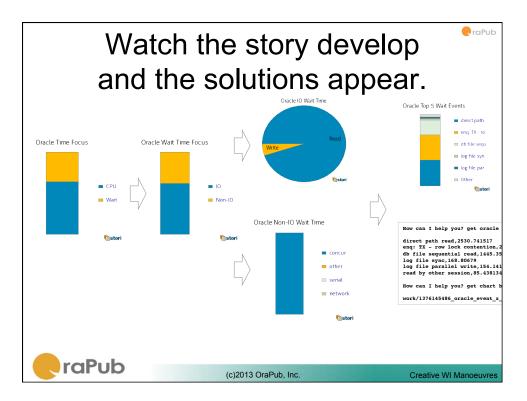


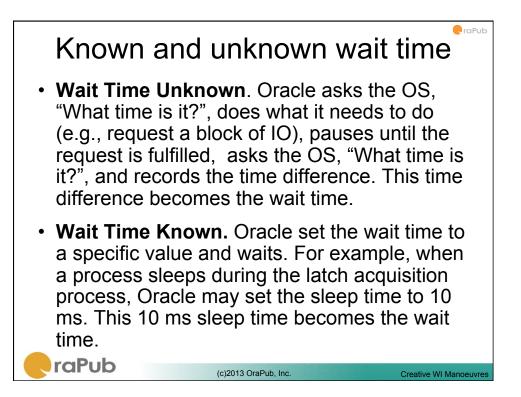




DB Id         Instance         Inst num         Release         RAC           3466472990         PROD15         1         10.2.0.3.0         NO	nstance Inst num Release RAC Host
3466472990 PROD15 1 10.2.0.3.0 NO	D15 1 10.2.0.3.0 NO clue
ts	
	ne(s) Avg Wait(ms) % Total Call Time Wait Class
Waits         Time(s)         Avg Wait(ms)         % Total Call Time         W           3,641         66.3         6	3,641 66.3
Waits         Time(s)         Avg Wait(ms)         % Total Call Time         W           3,641         66.3         66.3         0           489,550         587         1         10.7         Use	3,641 66.3 587 1 10.7 User I/O
Waits         Time(s)         Avg Wait(ms)         % Total Call Time         W           3,641         66.3         66.3         66.3         0           489,550         587         1         10.7         Use           12,142         565         47         10.3         Use	3,641         66.3           587         1         10.7         User I/O           565         47         10.3         User I/O

Wh	ere to foc	us our v	vork?	<b>e</b> raP
Total Time	e 1361 <sup>-</sup>	1 s		
CPU	9103 s			
Non Idle	e Wait 4508 s			
ΙΟ	3563 s			
	Read	3414 s		
	Write	149 s		
Oth	er 945 s			
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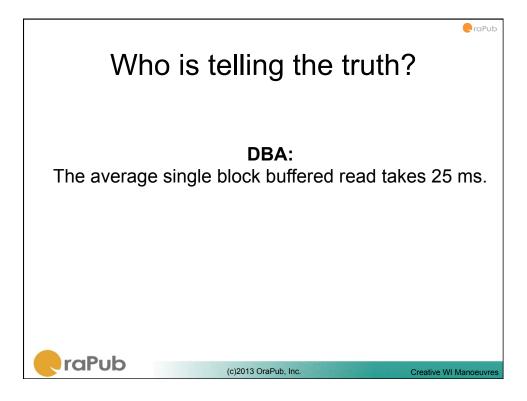


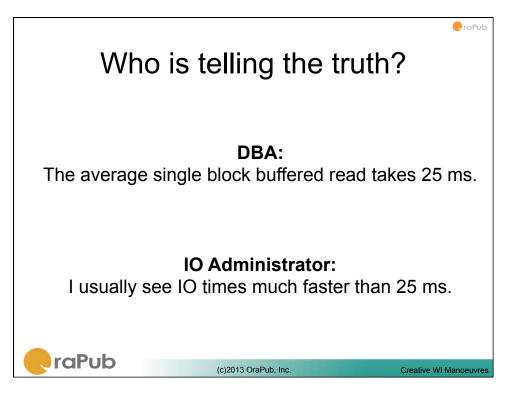


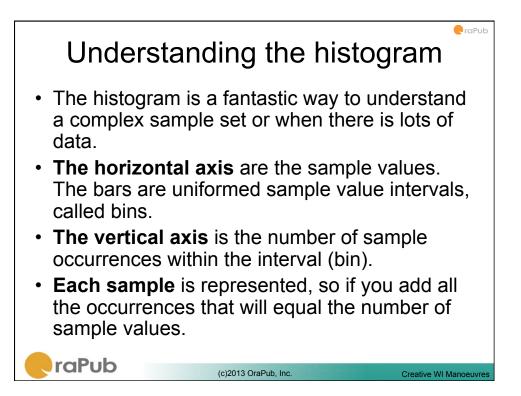
Wait time	, <u>unknown</u> c	duration erapub
<pre>[oracle@fourcore ~]\$ ps -eaf grep oracle 19759 19750 1 11:10 ?  [oracle@fourcore ~]\$ strace -p 197  gettimeofday({1273083131, 538145}, readv(11, [ {"\6\242\0\0\260B\17\1\25z\352\1\0 {"\6\242\0\0\260B\17\1\25z\352\1\0 {"\6\242\0\0\260B\17\1\25z\352\1\0 {"\6\242\0\0\260B\17\1\25z\352\1\0 {"\6\242\0\0\266B\17\1\25z\352\1\0 {"\6\242\0\0\266B\17\1\25z\352\1\0 {"\6\242\0\0\266B\17\1\25z\352\1\0 {"\6\242\0\0\266B\17\1\25z\352\1\0 {"\6\242\0\0\266B\17\1\25z\352\1\0 {"\6\242\0\0\266B\17\1\25z\352\1\0 {"\6\242\0\0\266B\17\1\25z\352\1\0 {"\6\242\0\0\266B\17\1\25z\352\1\0</pre>	00:00:01 oracleprod18 (DESC 59 NULL) = 0 \0011663220\00110\00\352F\1\0 \00116\315]0\00110\00\352F\1 \00116\253\336\00110\00\352F\1 \00116\223\336\00110\00\352F\1 \00116\2235\t00\100\00\352F\1 \00116\2352F\1	<pre>\322x\352\1", 8192}, )\324x\352\1", 8192}, (0\325x\352\1", 8192}, \1\0\327x\352\1", 8192}, 1\0\330x\352\1", 8192}, 0\331x\352\1", 8192}, 3x\352\1", 8192},</pre>
Gettimeofday({1273083131, 538458},	NULL) = 0	O11.2 linux
53	38458-538145 = 313µs	
raPub	(c)2013 OraPub. Inc.	Creative WI Manoeuvres

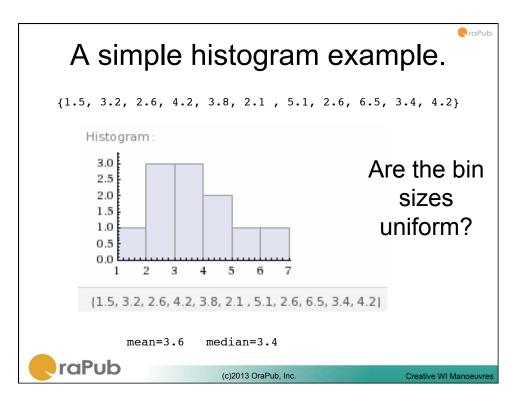
Wai	t time, <u>unknown</u> dura	ation
[oracle@fourcore ~] oracle 19759 1975 (ADDRESS=(PROTOCOL=		=(LOCAL=YES)
[oracle@fourcore ~]	\$ strace -rp 19760	
0.000081 _11se 0.000076 readw {"\6\242\0\0004G\17 {"\6\242\0\0005G\17 {"\6\242\0\0006G\17 {"\6\242\0\0007G\17	<pre>meofday({1273083380, 795957}, NULL) = 0 ek(11, 8202387456, [8202387456], SEEK_SET) = 0 (11, [ \1\331\223\353\1\0\0\1\4\213\206\0\0\1\0\0\0\353F\ \1\360\233\353\1\0\0\5\4\364\35\0\0\1\0\0\0\353F\ \1\4\234\353\1\0\0\5\4\*'\0\0\1\0\0\0\353F\ ", \1{\235\353\1\0\0\2\4\3108\0\0\1\0\0\0\353F\ ", meofday({1273083380, 796349}, NULL) = 0</pre>	", 8192}, 8192},
	796349 - 795957 = 392µs .000081 + .000076 + .000232 = 389µs	]
raPub	(c)2013 OraPub, Inc.	Creative WI Manoeuvres

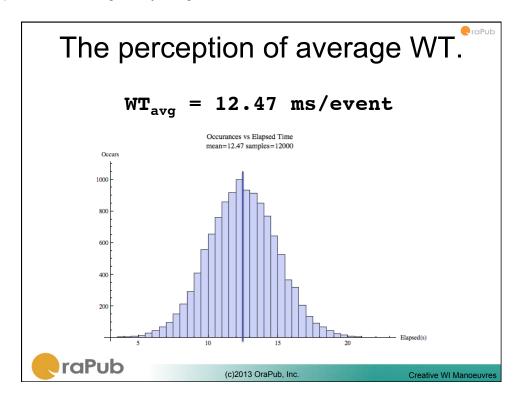
-	-	\$ strace -cp hed - interru				
	19760 detac					
% time	seconds	usecs/call	calls	errors	syscal	L
44.75	0.001108		9520	9091	semtim	edop
44.59	0.001104	0	101161		times	
5.01	0.000124	1	90		readv	
4.20	0.000104	0	224		pread6	4
1.45	0.000036	0	21136		gettim	eofday
0.00	0.00000	0	323		getrus	age
0.00	0.00000	0	78		_llsee	k
0.00	0.00000	0	1		sched_	yield
0.00	0.00000	0	1		semop	
0.00	0.00000	0	11		semctl	
100.00	0.002476		132545	9091	total	
						o11.2 linux

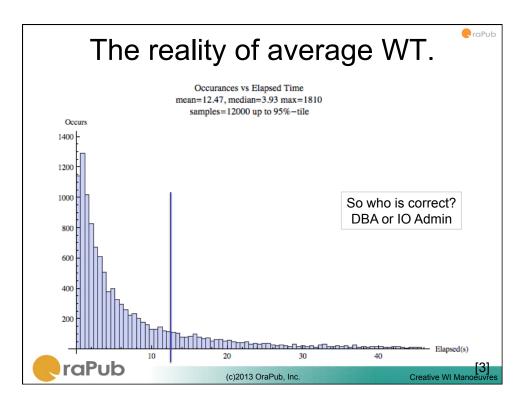


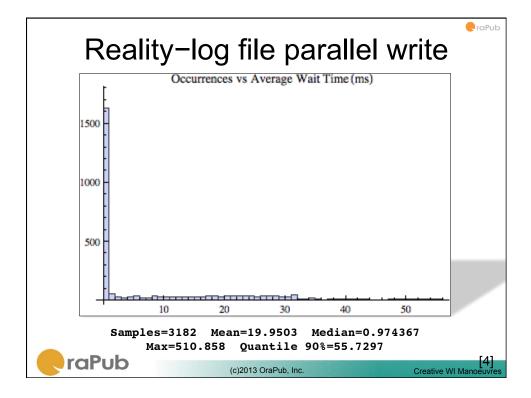












Using v\$event_histogram Wait Event Histogram • Units for Total Waits column: K is 1000, M is 1000000, G is 100000000 • % of Waits: value of .0 indicates value was <.05%; value of null is truly 0 • % of Waits: column heading of <=1s is truly <1024ms, >1s is truly >=1024ms • Ordered by Event (idle events last)									
		% of Waits							
Event	<b>Total Waits</b>	<1ms	<2ms	<4ms	<8ms	<16ms	<32ms	<=1s	>1s
ADR block file read	192	84.9	.5	2.1	7.3	4.7	.5		
ADD LIST EL		400.0							
cursor: mutex S	18	100.0							
cursor: pin S	40	97.5	2.5						
cursor: pin S wait on X	1129					4.0	17.4	78.7	
db file parallel read	17						35.3	64.7	
db file parallel write	56.3K	21.4	35.3	11.2	11.0	18.8	2.2	.1	
db file scattered read	401	20.0	21.2	11.7	31.2	14.5	1.5		
db file sequential read	98.8M	34.7	1.7	8.5	42.1	11.9	1.0	.1	
source: awrrpt_RTX_20110426_0500_0800.html (c)2013 OraPub. Inc. Creative WI Manoeuvres									

OraPub's Wait Event Time Distribution Analysis Too	D	e raPub
Total Waits		
% Occurs; 0ms <wt<=1ms< th=""><th>34.7</th><th></th></wt<=1ms<>	34.7	
% Occurs; 1ms <wt<=2ms< th=""><th></th><th>Picture the</th></wt<=2ms<>		Picture the
% Occurs; 2ms <wt<=4ms< th=""><th> 8.5</th><th>Ficture the</th></wt<=4ms<>	8.5	Ficture the
% Occurs; 4ms <wt<=8ms< th=""><th>42.1</th><th>histogram</th></wt<=8ms<>	42.1	histogram
% Occurs; 8ms <wt<=16ms< th=""><th></th><th></th></wt<=16ms<>		
% Occurs; 16ms <wt<=32ms< th=""><th></th><th>in your</th></wt<=32ms<>		in your
% Occurs; 32ms <wt<=64ms< th=""><th> © 0</th><th>mind.</th></wt<=64ms<>	© 0	mind.
% Occurs; 64ms <wt<=128ms< th=""><th></th><th>mma.</th></wt<=128ms<>		mma.
% Occurs; 128ms <wt<=256ms< th=""><th></th><th></th></wt<=256ms<>		
% Occurs; 256ms <wt<=512ms< th=""><th></th><th></th></wt<=512ms<>		
% Occurs; 512ms <wt<=1024ms< th=""><th></th><th></th></wt<=1024ms<>		
% Occurs; 1024ms <wt<=2048ms< th=""><th></th><th></th></wt<=2048ms<>		
% Occurs; 2048ms <wt<=4096ms< th=""><th> E 0</th><th></th></wt<=4096ms<>	E 0	
% Occurs; 4096ms <wt<=8192ms< th=""><th> <b>0</b></th><th></th></wt<=8192ms<>	<b>0</b>	
% Occurs; 8192ms <wt<=16384ms< th=""><th> <b>C</b> 0</th><th></th></wt<=16384ms<>	<b>C</b> 0	
% Occurs; 16384ms <wt<=32768ms< th=""><th> 🖸 o</th><th>[5]</th></wt<=32768ms<>	🖸 o	[5]
	Orar ub, mc.	Creative WI Manoeuvres

