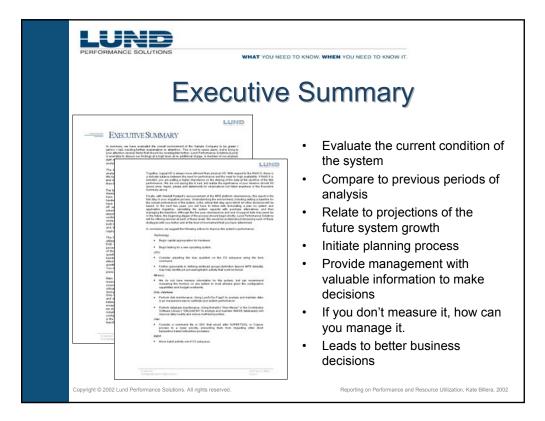
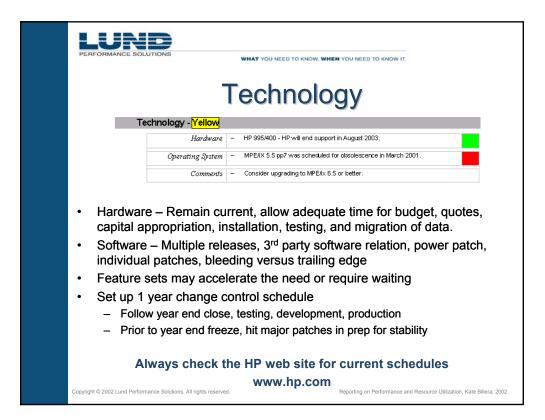


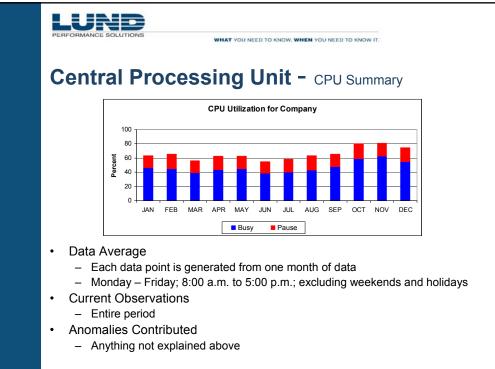
System F	Report Card
<image/>	<ul> <li>Address all of the major areas performance in your environment</li> <li>This is a sample but other categories may be appropriate</li> <li>Disc Locality</li> <li>Database Efficiency</li> <li>Home Grown Application</li> <li>3<sup>rd</sup> Party Application</li> <li>Business Partner</li> <li>Entity within Company</li> </ul>





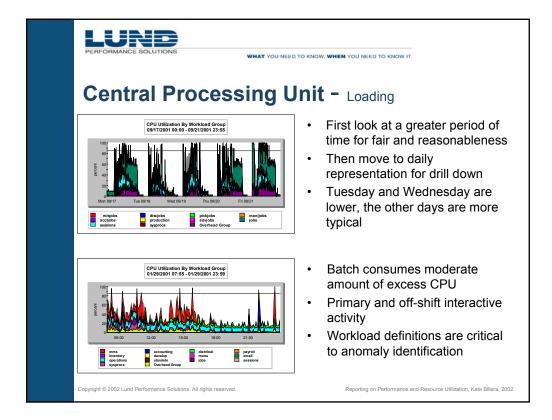


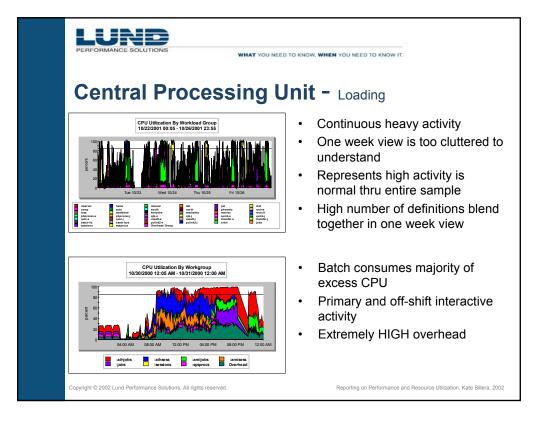
	DLUTIONS WHAT YOU NEED TO KNOW, WHEN YOU NEED TO KNOW IT.	
	Central Processing Unit	
	Central Processing Unit - HP e3000 Series 995/400 Yellow	
	Loading - CPU is highly loaded.	
	Balance - Heavily loaded but distributed throughout the entire 24 hour period	
	Characterization - Well defined workloads contributing to effective problem management	
	Comments - Consider upgrading Memory first and current O/S version.	
Heart c	f the computers ability to perform work	
	nance Priority – What activity must complete at sacrifice o	fall
• "TUNE	the system to uniqueness of the environment	
	the activity over time to optimize the resource	
	terization leads to better business decisions	
•	ng system versions and 3 <sup>rd</sup> party software can adversely a rall performance of the computer	affect
The HP	e3000 has been designed to operate at 100% for susta periods of time	ained
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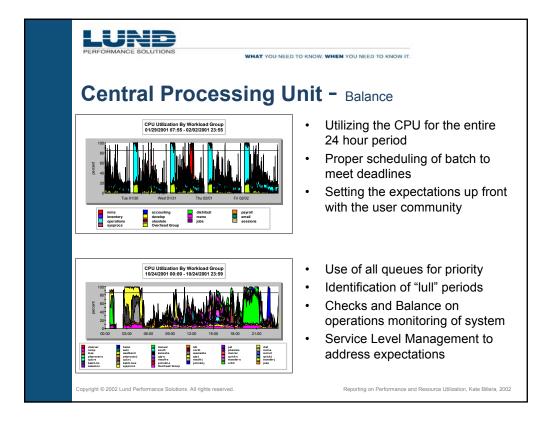


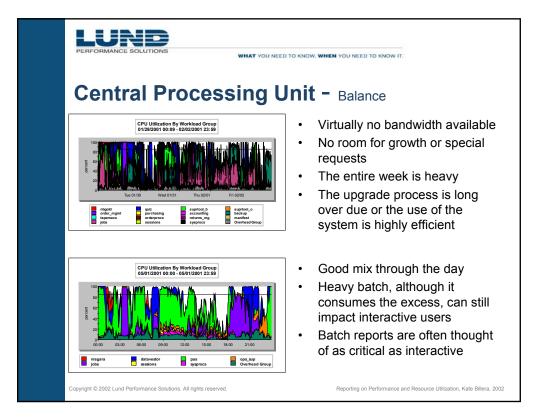
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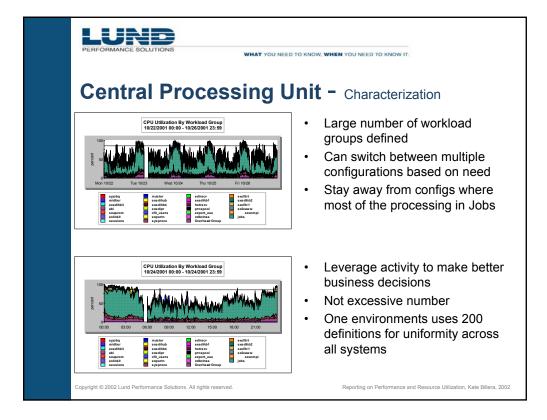
Reporting on Performance and Resource Utilization, Kate Billera, 2002

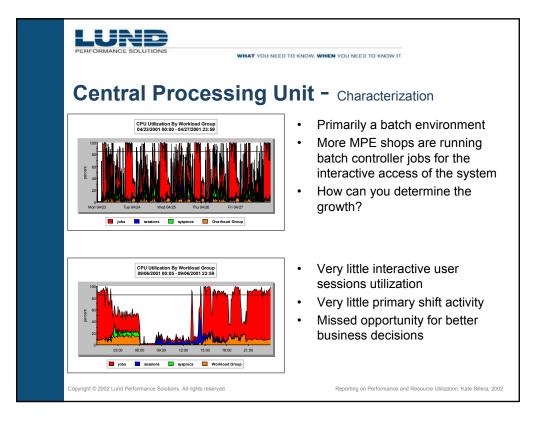


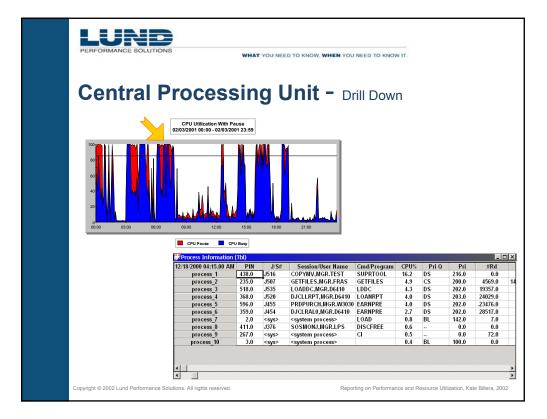




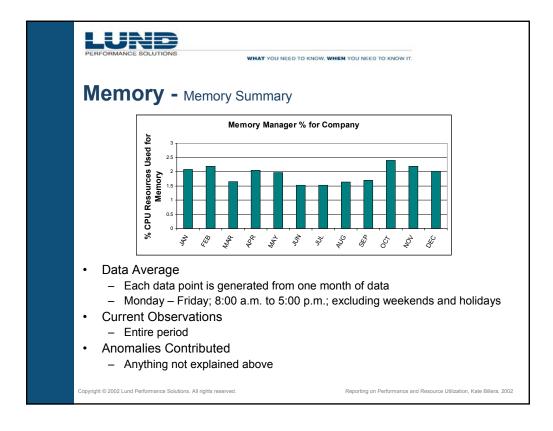


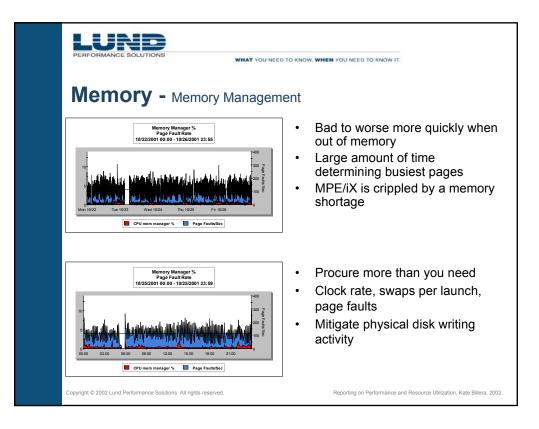


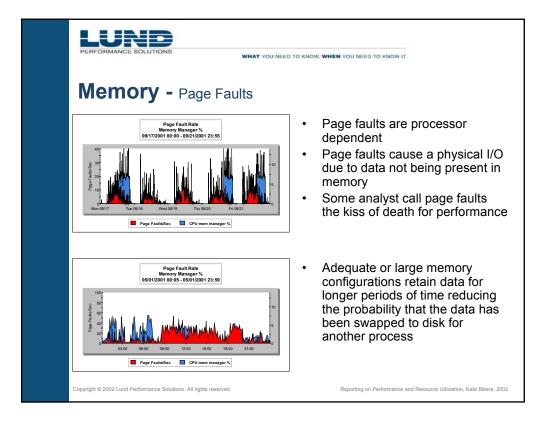


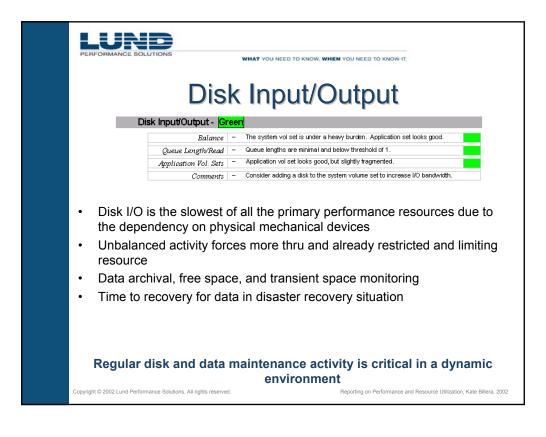


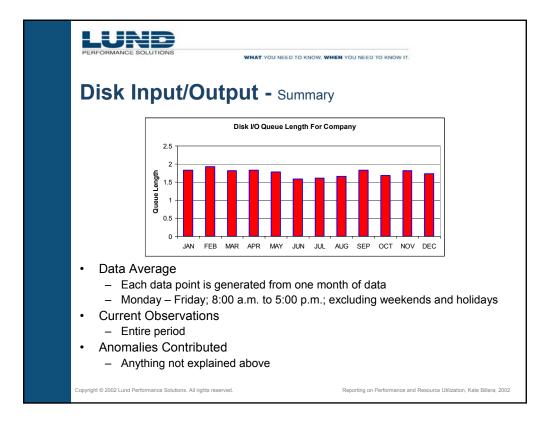
PERFORMANCE SOLUTIONS	WHAT YOU NEED TO KNOW, WHEN YOU NEED TO KNOW IT.
	Memory
Memory - Red	
Memory Manag	nent - CPU spent on memory management averages 6.3% well above 4% threshold.
Page I	nults - Page faults are good, peaking at less than 80/sec.
Com	ents - Most of the top CPU processes are all impeded by a memory wait.
data in limited and	nt is overhead associated with tracking status of aluable space (states)
<ul> <li>data in limited and</li> <li>Page Faults are maindicator – When the no longer memory</li> <li>Memory reads are disk reads</li> </ul>	aluable space (states) ny times referred to as the Performance Death e process was ready to launch, the resources were esident and a request to read from disc was made esirable – hundreds to thousand times faster than
<ul> <li>data in limited and</li> <li>Page Faults are maindicator – When the no longer memory</li> <li>Memory reads are disk reads</li> </ul>	aluable space (states)

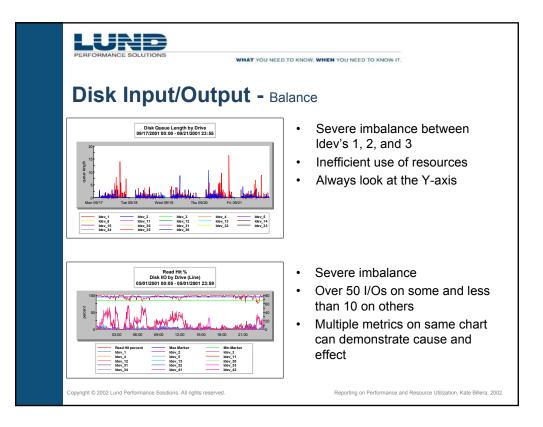


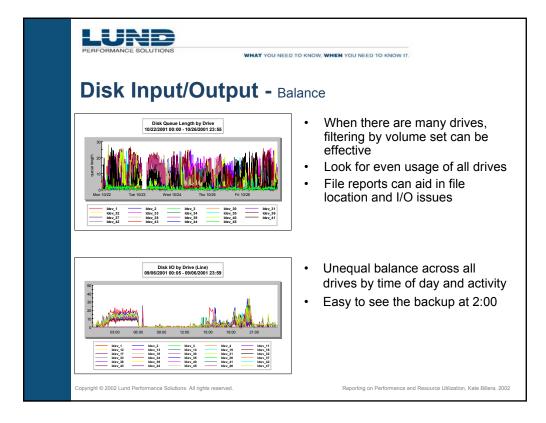


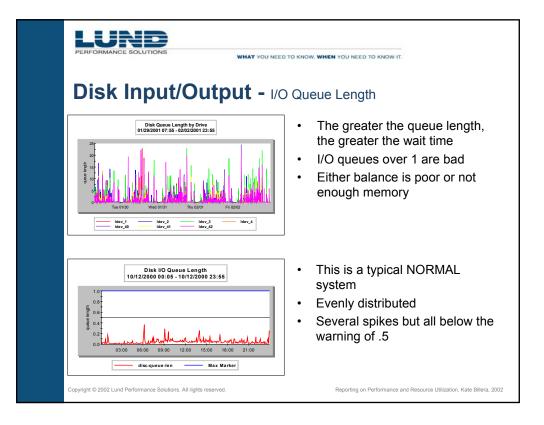


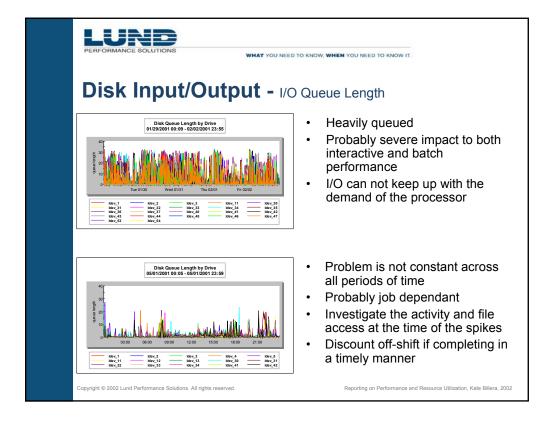


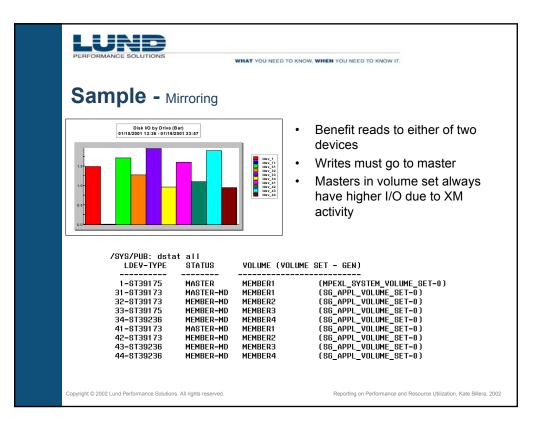




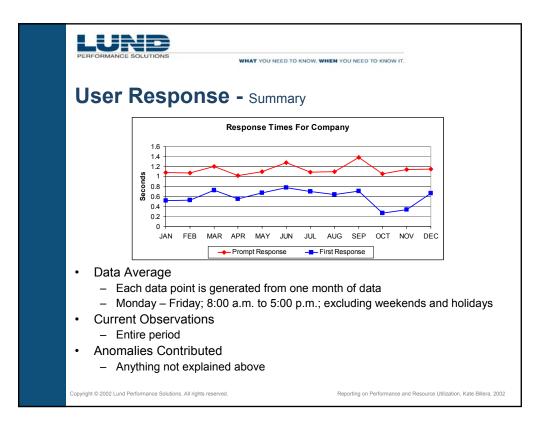


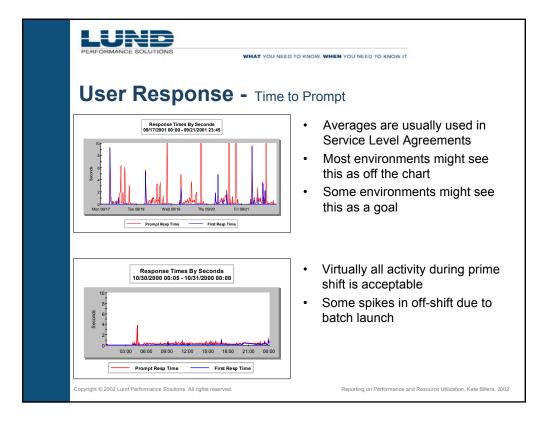


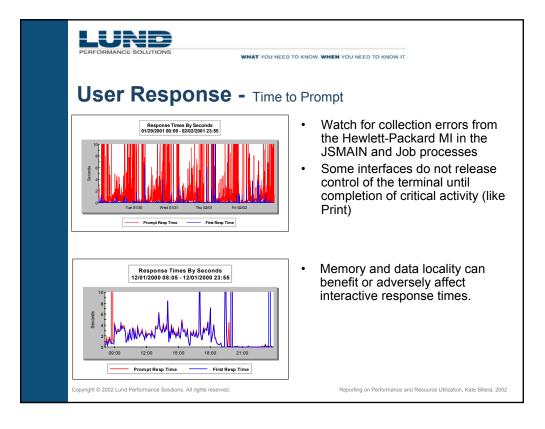




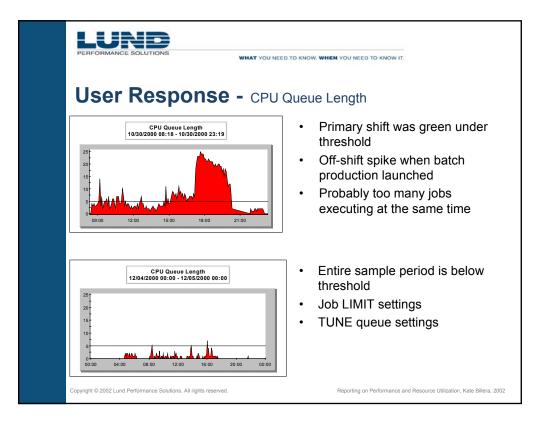
		66	er Response
U	ser Response - <mark>Red</mark>		
	Prompt/Response Time	-	Prompt response time is high, all running RE801 from DROGOG.SYMBOL
	CPU Queue Length	-	CPU queue length looks good, rarely peaking above the threshold of 5.
	Comments	-	There is room for improvement in response time.
Usually,	first indicator o	f p	problems

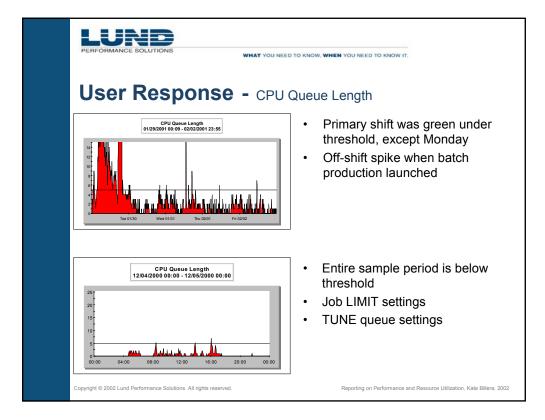


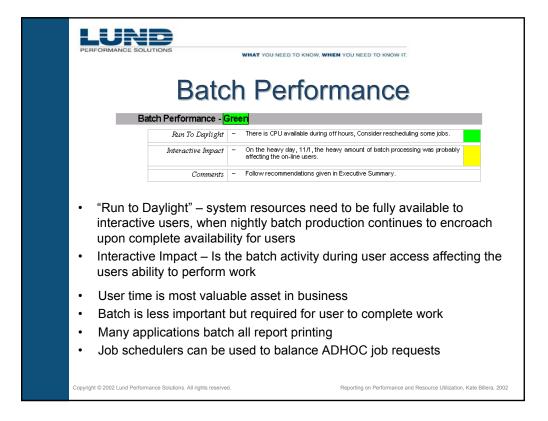


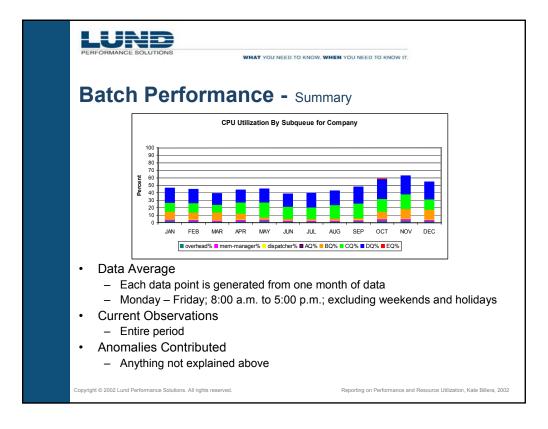


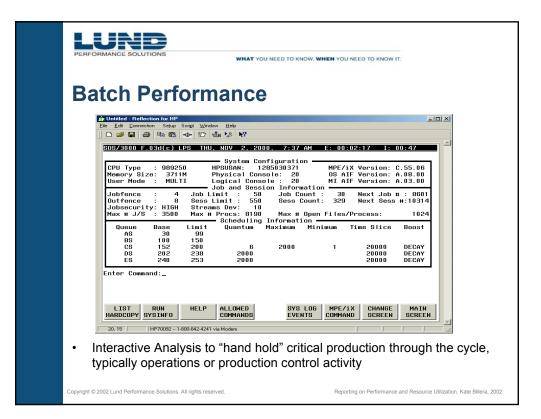
	<b>Respons</b>	<b>5e -</b> Tim	e to Prom	pt	
Eile Edit Co	nnection Setup Scri <u>p</u> t <u>W</u> in	ndow Help			
Time (Sec) < .5 < 1.5 < 2 < 3 < 4 < 5 <10 <20 >=20	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	* * Response se Time Count 05[35663] 11[1491] 6[346] 6[444] 6[360] 3[236] 1[194] 24[655] 20[643] 8[311]	00. 11:39 AM Time Distrib (Sec) < .5 < 1 < 1.5 < 2 < 3 < 4 < 5 < 10 < 20 >=20	First Respon Percentage 99.8[100] .2[0] .0[0] .0[0] .0[0] .0[0] .0[0] .0[0] .0[0] .0[0] .0[0]	Count 489[40460] 1[31] 0[15] 0[4] 0[31] 0[31] 0[31] 0[31] 0[5] 0[14] 0[6] 0[5]
Average Total Tr	erminal Reads 1		Average F	centage of Res irst Response	ponses (sec) .<[ .0]

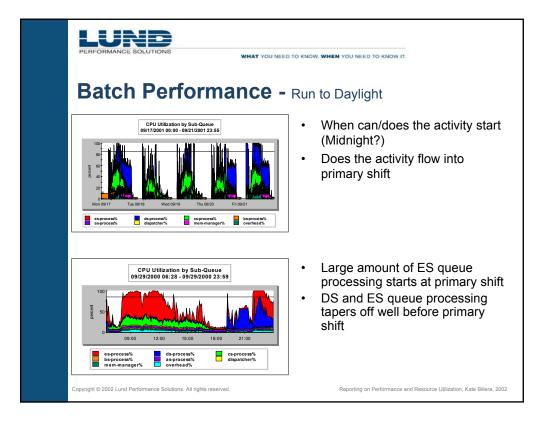


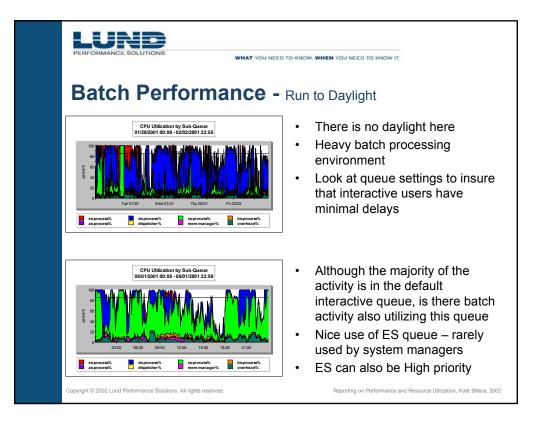


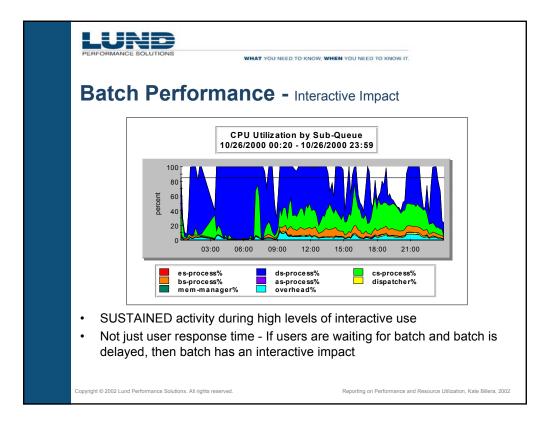


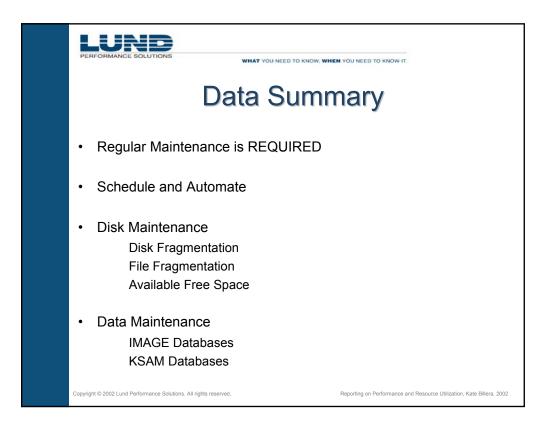




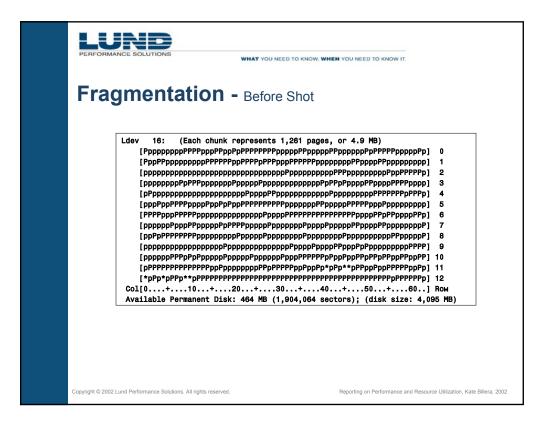


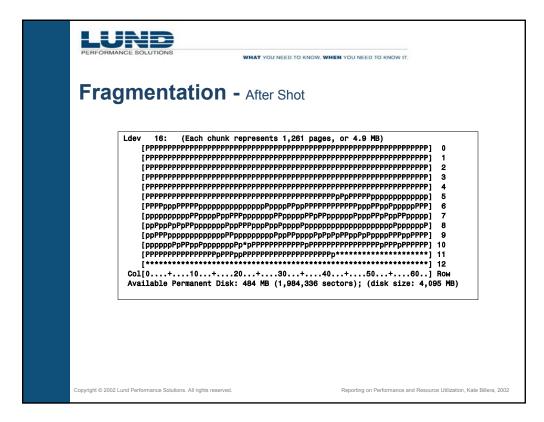


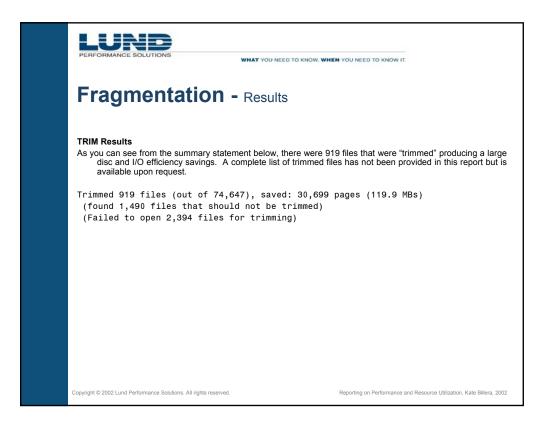




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	4		16M		585K		100		45984			0	ő
	5	955K	16M		587K		100						0
	13	1081K	16M	587K	587K	100	100	2048	57840	417K	112K	0	0
		953K		587K	587K	100	100	4096	42160	411K	133K	0	0
		948K			587K		100		48464				0
		963K 1028K	16M 16M		584K 587K	100	100		46912 50080				0
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PERFORMANCE SOLUTIONS	
PERFORMANCE SOLUTIONS	

WHAT YOU NEED TO KNOW, WHEN YOU NEED TO KNOW IT.

## Robelle's HowMessy

HowMessy/XL (Vers		'			Data B						Run on:	THU, NO	v 30, 2		
for IMAGE/3000 d	ιαταρα	ses					pette	Consulting Ltd.						Page	e: 2
					Secon-										
	Туре			Load	daries I	Blks	Blk		Max	Ave	Std	Expd	Avg	Ineff	Elong-
Data Set		Capacity	Entries	Factor	(Highwa	ter)	Fact	Search Field	Chain	Chain	Dev	Blocks	Blocks	Ptrs	ation
ADDR-WHO-A	Ato	1250003	990303	79.2%	31.1%	13	51	ADDR-WHO	10	1.45	0.71	1.00	1.46	35.2%	1.46
ADDRTYPE - WHO - A	Ato	1467581	1066065	72.6%	28.9%	1	87	ADDRTYPE - WHO	8	1.41	0.67	1.00	1.30	23.2%	1.30
AFFILIATION-A	Ato	270001	123199	45.6%	27.4%	0	94	AFF#	7	1.38	0.65	1.00	1.37	29.3%	1.37
AGECATDEF - A	Ato	5639	42	0.7%	0.0%	0	60	AGECATDEF	1	1.00	0.00	1.00	1.00	0.0%	1.00
AGEKEY - A	Ato	5639	25	0.4%	0.0%	0	50	AGEKEY	1	1.00	0.00	1.00	1.00	0.0%	1.00
ALT-KEY-A	Ato	750019	594628	79.3%	31.2%	4	105	ALT - KEY	8	1.45	0.71	1.00	1.23	17.9%	1.23
AUTH-DETAIL-A	Ato	1354127	1077907	79.6%	31.1%	18	19	DETAIL-AUTH#	9	1.45	0.71	1.00	1.44	33.7%	1.44
AUTH - TEMPLATE - M	Man	5639	189	3.4%	0.0%	0	18	TEMPLATE#	1	1.00	0.00	1.00	1.00	0.0%	1.00
AUTHORIZATION-A	Ato	765857	560255	73.2%	29.2%	6	26	AUTHORIZATION#	7	1.41	0.68	1.00	1.39	30.6%	1.39
BENEFIT-M	Man	5639	1850	32.8%	14.8%	2	10	BENEFIT	4	1.17	0.44	1.00	1.01	1.1%	1.01
BENEFIT-PKG-M	Man	5639	70	1.2%	0.0%	0	16	BENEFIT-PKG	1	1.00	0.00	1.00	1.00	0.0%	1.00
BOARDCERT - A	Ato	5639	11	0.2%	0.0%	0	53	BOARDCERT	1	1.00	0.00	1.00	1.00	0.0%	1.00

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PERFORMANCE SOLU		HAT YOU NEED TO KNO	W, WHEN YOU NEED	TO KNOW IT.	
	Imag	ge Sta	atistic	CS	
<u>505/3000 X.000</u>			E: 00:08:34	I: 00:14	
DB ID 615 D	atabase Name DB9.DAT.SH	Database Detail	DS Hog M-PR	ODUCT	
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		ainst Database b			Lock - DBLOCK
	et Update Lock ut Delete Unlock	Open Begin Close End	3	ind Ctrl	Unlock- DBUNLOC
	ut Delete Uniock 1] 2.4[2.4] .18[.26] .<	01000 Ella			Open - DBOPEN
		[.<] .16[.14]			Close - DBCLOSE Begin - DBBEGIN
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1.2[1.	0] 1.1[1.0] 3.5[3.1] .< Activity Agains			(1.(1.)	Info - DBINFO
PIN #D				Upd/s Oth/s	Ctrl - DBCONTROL
84	1 10.00 .4610 1.306	.1452 .0726	. 3630 . 2178	.1452 .3630	Rollback - DBXUN
	1 10.00 .5966 1.597			.1452 .4356	
00	1 10.00 .4068 1.089			.1452 .2904	
98 TOTAL 10 L	1 10.00 .4610 1.524 OGGED PROCESSES.	.1452 .0726	. 3630 . 2178	.1452 .5808	
TOTAL TO L	000ED PROCEOOEO.				
Enter Command:					
LIST FREE	ZE HELP DATABASE	PROCESS	MPE/iX SCRE	EN MAIN	
HARDCOPY DISP	_AY MAIN	DETAIL	Command Men	IU SCREEN	
<b>.</b>					
<ul> <li>Review II.</li> </ul>	/IAGE/3000 proce	ess statistics	:		

