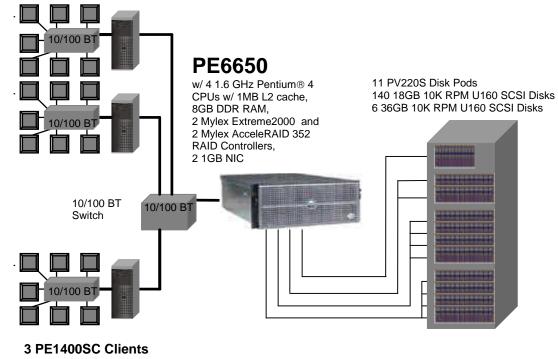
D&L				6650 6 Front Ends		TPC-C Rev 5.0 Report Date Jun 01, 2002
Total System Co	st TPC-C Throu	ighput	put Price/Performance		Availability Date	
\$186,600	34,819.03 1	pmC	\$	5.36/ tpmC	Jui	ne 01, 2002
Processors	Database Manager	OS	3	Other Software		Number of Users
4 x Intel Xeon™ MP Processors 1.6 GHz 1MB L2 Cache	Microsoft SQL Server 2000 Enterprise Edition	Micros Windo 200 Advan Serv	ows 0 iced	Windows 2000 Se w/ COM+ Internet Informat Server 5.0 Microsoft Visual (tion	28,080



System Component	Server			Each Client			
Processors Cache	4	Intel Xeon MP @ 1.6GHz 1MB L2 cache	1	Pentium® III w/ 256 KB L2 3 clients @ 1 GHz			
Memory		8192 MB		512 MB			
Disk Controllers	2 2 1	Mylex ExtremeRAID 2000 Mylex AcceleRAID 352 Adaptec On-Board	1	Adaptec On-Board			
Disk Drives	140 6 1	18 GB SCSI 36 GB SCSI 9 GB SCSI	1	18 GB			
Total Storage		2,609 GB		18 GB			
Other	2 1 1	1GB NIC CD-ROM DAT	2	10/100 MB NIC			

Dell	P	PowerEdge 6650				TPC-C REV 5.0 EXECUTIVE SUMMARY PAGE 2 OF 2			
		Client/Server				Report Date: 01-June-02			
Description	Part Number	Thir	d Party	Unit Price	Qty	Extended Price	3 yr. Maint. Price		
Server Hardware		Brand	Pricing			11.00	1.1.50		
Dell PowerEdge 6650	220-8594		1	7,642	1	7,642	1,299		
Intel Xeon MP 1.6GHz / 1MB L2 - 4 processors	311-1528		1	14,999	1	14,999	-		
8 GB,DDR, 16 x 512MB DIMMS	311-1548		1	7,184	1	7,184	-		
18 GB U160M SCSI 10K RPM Hard Drive	340-2769		1	249	1	249	-		
Tape Backup Unit	340-2932		1	1,099	1	1,099	-		
Dell 15" Monitor	320-0960		1	149	1	149	-		
Extreme RAID 2000 PCI SCSI 4 channel RAID controller***	08P3834	Mylex	3	1,320	4	5,280	-		
AcceleRAID 352 PCI SCSI 2 Channel RAID controller***	08P2420	Mylex	3	598	2	1,196	-		
		, -			Subtotal	37,798	1,299		
PowerVault Disk Subsystem					_		,		
PV220S, U3 SCSI, PS, Rack mount	220-4476, etc.		1	2,756	11	30,316	6,600		
SCSI Cables	310-0679		1	99	6	594	-		
18 GB SCSI 10K RPM Hard Drive *	340-2769		1	249	140	34,860	-		
36 GB SCSI 10K RPM Hard Drive *	340-6762		1	499	6	2,994	_		
42U Rack	220-4492		1	1,184	1	1,184	_		
425 Nack	220 4102			1,104	Subtotal	69,948	6,600		
Server Software						00,010	0,000		
SQL Server 2000 Ent Edition, Per processor licensing **	810-00846	Microsoft	2	16,541	4	66,164	5,850		
Windows 2000 Advanced Server, 25 Client Licenses **	C10-00475	Microsoft	2	2,399	1	2,399			
Viriabilio 2000 / Availoda Colvoi, 25 Ciloi k 2001/000	010 00 110	WIIOFOOOR	_	2,000	Subtotal	68,563	5,850		
Client Hardware					_		5,555		
Dell PowerEdge 1400SC, 1.13 GHz Pentium III w/ 256KB L2	220-2308		1	648	3	1,944	1,434		
512MB RAM, 4 DIMMs	311-1194		1	408	3	1,224	-,		
18GB,U160,10K, SCSI Hard Drive,	340-1964		1	249	3	747	-		
Ether Express PRO 100+ Ethernet Adapter	430-1970	Intel	1	59	6	354	_		
Dell 15" Monitor	320-0960	ii itoi	1	149	3	447	_		
Son to thorner	020 0000			110	Subtotal	4,716	1,434		
Client Software						1,7.10	1, 10 1		
Windows 2000 Server, 5 Client Licenses **	C11-00821	Microsoft	2	738	3	2,214	_		
Visual C++ Professional 6.0 Win32 **	048-00317	Microsoft	2	549	1	549	_		
	0.0000		_		Subtotal	2,763			
User Connectivity									
16 Port Ethernet Switch	220-1499	Dell	1	129	1	129	105		
10 1 5 1 2 1 5 1 1 5 1 5 1 1 5 1 5 1 1 5 1 5		20		0	Subtotal	129	105		
		Discounts	****		_	(12,605)	-		
					Total	171,312	15,288		
Notes: * Maint. included in PowerVault 220S disk pod or PV650F	/630F fibre channel d	liek nod		Т		ost of Ownership:	\$186,600		
** All Microsoft maintenance is covered by the maintenance costs		•		-			4 100,000		
*** 10% or minimum 2 spares are added in place of onsite service						tpmC Rating:	34819.03		
·	-	ve yeai				фg.	0.0.0.00		
return-to-vendor warranty) Pricing: 1 - Dell 2 - Microsoft 3	•	a may ba ve	rified by						
***** Discount based upon total system cost as purchased by a re		ig may be ver	illieu by						
calling 1-800-BUY-DELL referencing quote numbers 83087169 a	is complex quotes.					\$/tpmC:	5.36		
Audited by Lorna Livingtree, Performance Metrics Inc.	tomography delice exist	t	wolana -f #	ototo d s	anta le l'al	-	0.00		
Prices used in TPC benchmarks reflect the actual prices a cus		•		•			_		
discounts are not permitted. Special prices based on assumpti	uris about past of tuti	ure purcriases	s are not pem	IIUCU. All UISCO	ants reflect Sta	ariuaru pricirig policie.	3		

for the listed components. For complete details, see the pricing sections of the TPC benchmark specifications. If you find that the stated prices are not available according to these items, please inform the TPC at pricing @tpc.org.

according to these items, please inform the TPC at pricing @tpc.org.

for the listed components. For complete details, see the pricing sections of the TPC benchmark specifications. If you find that the stated prices are not available

MQTh, computed Maximum Qualified Throughput						34819.03 tpmC		
Response Times (in seconds) - Neworder - Payment - Order Status - Delivery (interactive portion) - Delivery (deferred portion) - Stock-Level - Menu				erage 0.53 0.34 0.41 0.16 0.58 2.20 0.14	90th 0.80 0.59 0.66 0.31 0.99 3.69 0.31	Max 5.66 2.64 5.33 1.05 2.09 9.45 1.20		
Response time delay added for emulated components						Menu 0.1 Resp 0.1		
Transaction Mix, in percent of total transactions								
New-OrderPaymentOrder-StatusDeliveryStock-Level						44.84% 43.06% 4.03 % 4.04 % 4.04 %		
Keying/Think Times (in seconds),	Min			erage		lax		
New-OrderPaymentOrder-StatusDeliveryStock-Level	18.01 3.01 2.01 2.01 2.01	0.0 0.0 0.0 0.0 0.0	18.03 3.03 2.03 2.03 2.03	12.04 12.04 10.07 5.06 5.05	18.24 3.25 2.18 2.21 2.18	120.44 120.45 100.42 50.41 50.41		
Test Duration - Ramp-up time - Measurement interval - Number of checkpoints - Checkpoint interval					120	minutes minutes 4 minutes		
Number of transactions (all types) completed in measurement interval						,693,890		