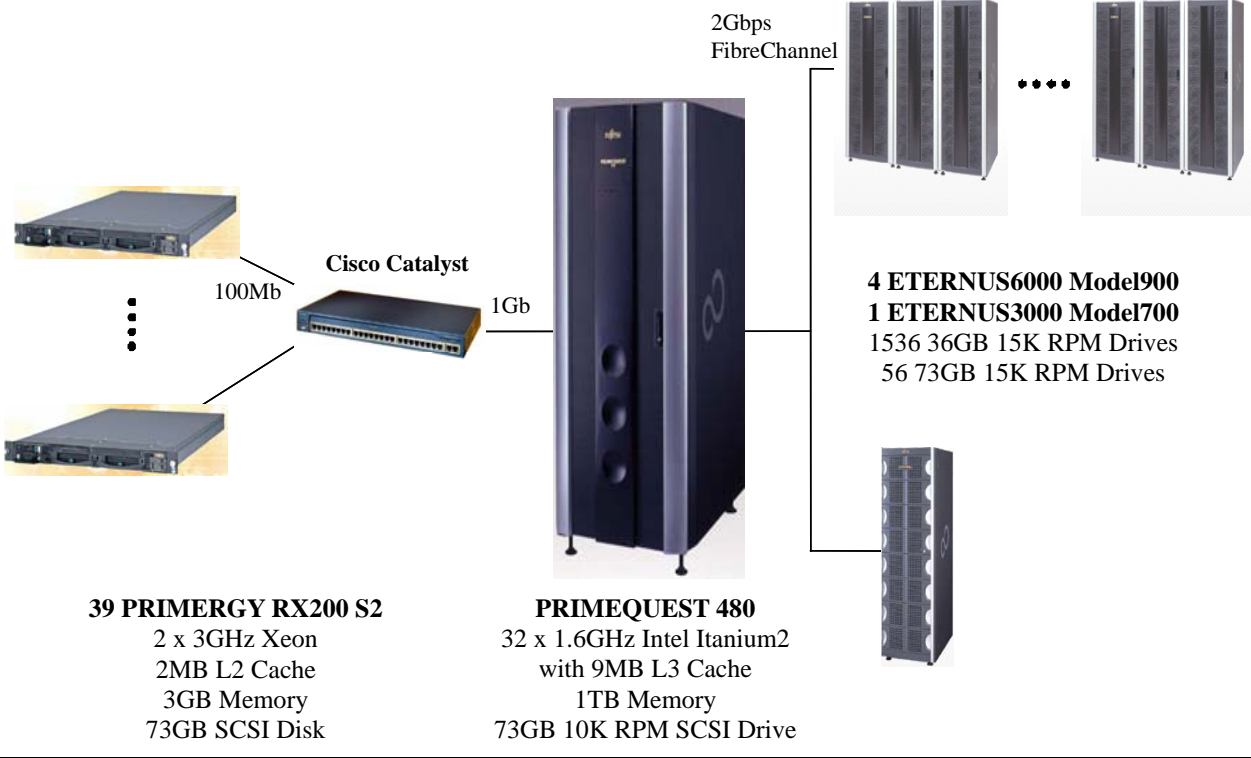
	PRIMEQUEST 480 c/s w/39 Front-Ends			TPC-C Rev 5.6
				Report Date: April 26, 2006
Total System Cost	TPC-C Throughput	Price/Performance	Availability Date	
\$7,060,571 USD	792,101.96 tpmC	\$8.92 USD/tpmC	October 26,2006	
Database Server Processors/Cores/Threads	Database Manager	Operating system	Other Software	Number of users
32/32/32 Intel Itanium 2 1.6GHz for Server	Oracle Database 10g Enterprise Edition	Red Hat Enterprise Linux 4 AS	BEA Tuxedo 8.1	630,240
 <p> 39 PRIMERGY RX200 S2 2 x 3GHz Xeon 2MB L2 Cache 3GB Memory 73GB SCSI Disk </p> <p> PRIMEQUEST 480 32 x 1.6GHz Intel Itanium2 with 9MB L3 Cache 1TB Memory 73GB 10K RPM SCSI Drive </p> <p> 4 ETERNUS6000 Model1900 1 ETERNUS3000 Model700 1536 36GB 15K RPM Drives 56 73GB 15K RPM Drives </p>				
System Component	Qty	Server:	Qty	Each of 39 Clients:
Processors/Cores/ Threads	32/32/ 32	Intel Itanium2 1.6GHz	2/2/ 4	Intel Xeon 3GHz
Cache Memory		9MB L3 Cache		2MB L2 Cache
Memory	64	16GB (4 x 4GB DDR2-400)	3	1GB (2 x 512MB PC-3200)
Disk Controllers	32	2G bps Fiber Chennel	1	SCSI controller
Disk Drives	1 1536 56	73GB 10K rpm 36GB 15K rpm 73GB 15K rpm	1	73 GB 10K rpm
Total Storage		59,457 GB		2,847 GB



**PRIMEQUEST 480 c/s
w/39 Front-Ends**

TPC-C Rev 5.6
Report Date: April 26, 2006

Server Hardware	Part Number	Qty	Source	Unit Price	Ext. Price	3 Yr. Maint.
PRIMEQUEST 480 Base Unit	MCSA0P111U	1	1	65,870.00	65,870.00	109,632.00
System Board	MC-77SB11	8	1	17,500.00	140,000.00	
CPU Module (Itanium 2 1.6GHz/9MB L3)	MC-01AA11	32	1	13,680.00	437,760.00	347,136.00
16GB Memory Module (4x4GB DDR2-400)	MC-02A511	64	1	42,900.00	2,745,600.00	195,784.31
I/O Unit	MC-77UX11	8	1	14,240.00	113,920.00	
BMC Module	MC-77BM11	1	1	1,720.00	1,720.00	
Disk Drive Unit (3.5inch, 73GB, 10,000rpm, Ultra320)	MC-03D321	1	1	2,360.00	2,360.00	
Gigabit Switch Board (w/ 8 external 1000Base-T ports)	MC-77GE11	1	1	21,330.00	21,330.00	
Additional Power Supply	MC-57PS11U	1	1	17,100.00	17,100.00	
FibreChannel Card (2Gbps, PCI-X)	MC-08FC11	32	1	2,660.00	85,120.00	
FibreChannel Cable (15m, LC-LC)	CBL-MLLB15	32	1	330.00	10,560.00	
LCD (15inch)	MC-07FL21	1	1	4,830.00	4,830.00	
USB Keyboard	MC-07KB11	1	1	480.00	480.00	
USB Mouse	MC-07MU11	1	1	80.00	80.00	
Server Hardware Subtotals					3,646,730.00	652,552.31
Storage						
ETERNUS6000 Model900 Base Unit	E690S01AU	4	1	195,000.00	780,000.00	104,448.00
w/ 2 Controllers, 8 Drive Enclosures, 4 Device Adapters						
Additional Expansion Raack	E600CR3U	8	1	8,000.00	64,000.00	8,640.00
Additional Controller w/ Power Supply	E600CJ3U	4	1	16,000.00	64,000.00	8,592.00
Additional Controller	E600CJ4U	4	1	16,000.00	64,000.00	8,592.00
Cashe Memory (4x2GB)	E600CM4I	4	1	108,600.00	434,400.00	58,176.00
FibreChannel Host Interface (2Gbps, 2 x dual port)	E600CH14	16	1	12,800.00	204,800.00	27,648.00
Drive Enclosure Set (4 units) w/ 2 Device Adapters	E690SE22U	8	1	39,400.00	315,200.00	42,144.00
Drive Enclosure Set (4 units)	E600CE21U	16	1	31,000.00	496,000.00	66,432.00
Disk Drive Unit (36GB, 15,000rpm)	E600CA2	1536	1	1,000.00	1,536,000.00	350,208.00
ETERNUS3000 Model700 Base Unit	E370S21BUL	1	1	71,100.00	71,100.00	13,608.00
w/ 2 Controllers,4x2GB Cashe Memory,2 DriveEnclosures, 2 FibreChannel Host Interface (2 x dual port)						
Disk Drive Unit (73GB, 15,000rpm)	E300CA7HL	56	1	1,350.00	75,600.00	18,144.00
Strage Subtotals					4,105,100.00	706,632.00
Server Software						
Red Hat Enterprise Linux 4 AS (for Intel Itanium)		1	1	7,497.00	7,497.00	
Oracle Database 10g Enterprise Edition, Unlimited Users for 3 years		32	2	20,000.00	640,000.00	
Oracle Database Server Support Package for 3 years		3	2			6,000.00
Server Software Subtotals					647,497.00	6,000.00
Client Hardware						
PRIMERGY RX200 S2 (Xeon 3GHz,1GB mem,2x1000Base-T)	S26361-K942-V211	39	1	2,017.20	78,670.80	37,800.00
CPU Module (Xeon 3GHz)	S26361-F3099-E400	39	1	523.20	20,404.80	
1GB Memory Module (2 x 512MB PC2-3200)	S26361-F3072-E521	78	1	295.20	23,025.60	
Disk Drive Unit (3.5inch, 73GB, 10,000rpm, Ultra320)	S26361-F3121-E173	39	1	279.60	10,904.40	
Internal CD-ROM Unit	SNP:SY-F2313E1-P	39	1	57.60	2,246.40	
19inch Rack (24U)	S26361-K826-V102	2	1	1,843.20	3,686.40	
LCD/KB/Pointing Device Unit (11U)	S26361-K1023-V200	2	1	1,874.40	3,748.80	
KVM Switch (8ports, 1U)	S26361-F2293-E801	6	1	750.00	4,500.00	
KVM Cable (1.8m)	S26361-F2293-L20	44	1	10.80	475.20	
Client Hardware Subtotals					147,662.40	37,800.00
Client Software						
Red Hat Enterprise Linux 4 ES (for x86)	S26361-F2346-E212	39	1	1,366.00	53,274.00	
BEA TUXEDO 8.1 CFS-R (for RHEL4 x86)		39	3	1,140.00	44,460.00	29,484.00
Client Software Subtotals					97,734.00	29,484.00
User Connectivity						
Cisco Catalyst 2950T-24 Switch		3	4	1,295.00	3,885.00	
Cisco SMARTnet 24x7x4 Maintenance		3	4			1,080.00
User Connectivity Subtotals					3,885.00	1,080.00
Oracle Mandatory E-Business Discount			2		(129,200.00)	
Large Configuration Discount and Support Prepayment*			1		(2,616,769.96)	(275,616.86)
Total					5,902,639.00	1,157,932.00
Pricing Sources: 1 = Fujitsu , 2 = Oracle , 3 = BEA , 4 = costcentral.com					Three-Year Cost of Ownership USD	
Audited by: Francois Raab, InfoSizing, Inc. (www.sizing.com)					tpmC	
Oracle pricing contact:					\$ USD / tpmC	
MaryBeth Pierantoni (mary.beth.pierantoni@oracle.com, 916-315-5081)					\$7,060,571	
Prices used in TPC benchmarks reflect the actual prices a customer would pay for a one-time purchase of the stated components. Individually negotiated discounts are not permitted. Special prices based on assumptions about past or future purchases are not permitted. All discounts reflect standard pricing policies 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. Thank you.					792,101.96	
					\$8.92	

Numerical Quantities Summary							
PRIMEQUEST 480 c/s w/ 39 Front-Ends							
Oracle Database 10g Enterprise Edition							
MQTH, Computed Maximum Qualified Throughput						792,101.96 tpmC	
Response Times (in seconds)		Average		90%		Max.	
New-Order		0.353		0.710		3.113	
Payment		0.346		0.703		3.114	
Order-Status		0.352		0.709		2.999	
Delivery (interactive portion)		0.103		0.103		0.324	
Delivery (deferred portion)		0.250		0.607		2.892	
Stock-Level		0.340		0.696		3.099	
Menu		0.104		0.103		74.414	
Transaction Mix, in percent of total transaction							
New-Order						44.94	
Payment						43.02	
Order-Status						4.01	
Delivery(interactive)						4.01	
Stock-Level						4.02	
Emulation Delay (in seconds)				Resp.Time		Menu	
New-Order				.1		.1	
Payment				.1		.1	
Order-Status				.1		.1	
Delivery (interactive)				.1		.1	
Stock-Level				.1		.1	
Keying/Think Times (in seconds)		Min.		Average		Max.	
New-Order		18.003 0.000		18.012 12.014		18.045 120.196	
Payment		3.004 0.000		3.012 12.015		3.058 120.196	
Order-Status		2.007 0.000		2.012 10.017		2.035 100.196	
Delivery (interactive)		2.007 0.000		2.012 5.020		2.048 50.170	
Stock-Level		2.006 0.000		2.012 5.024		2.043 50.198	
Test Duration							
Ramp-up time (seconds)						11,525	
Measurement interval						7,200	
Transactions during measurement interval						211,598,853	
Checkpointing							
Number of checkpoints						4	
Checkpoint interval						1,701	