IBM		IBM Power 570 Oracle 10g Release 2 Enterprise Edition			TPC-C Rev. 5.8 Report Date: October 4, 2007 Revised: July 16, 2008		
Total System C	ost	TPC-C Throughput	Price/Perform	ance	Availability Date		
\$574,615 US	D	236,271	\$2.43 US	D	April 4, 2008		
Database Processors/Cores/T	hreads	Database Manager	Operating System Other		Software	No. Users	
4/4/8 2.2 GHz POWER	5+	Oracle 10g R2	RHEL 5		t Visual C++ oft COM+	189,440	
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System Components		ach of the 8 Clients	0	Se	rver	an	
Processors/Cores/ Threads	Quanti 1/2/2	3 0GHz 2MB I 2	Xeon 4/4/8		Descripti 2.2 GHz POW		
Memory	1	1GB	8		16 GB		

Components	Quantity	Description	Quantity	Description
Processors/Cores/ Threads	1/2/2	3.0GHz 2MB L2 Xeon 5160 Dual Core	4/4/8	2.2 GHz POWER5+
Memory	1	1GB	8	16 GB
Disk Controllers	1	SAS	2 5 7 1	Ultra 320 integrated SCSI 4Gb dual-port FC Adapters IBM DS3400 Controllers for Data IBM DS3400 Controller for Log
Disk Drives	1	73 GB	304 1 1	73GB 15K RPM SAS 36GB 15K RPM SCSI 73GB 15K RPM SCSI
Total Storage		288 GB		22,301 GB
Terminals	1	System Console	1	System Console

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Three-Year Cost of Ownership USD: \$574, For pricing details and contact information please see appendix D. tpmC: 236, 1) IBM 2) Oracle: MaryBeth Pierantoni, mary.beth.pierantoni@oracle.com, 916-315-5081 \$ USD/tpmC: \$2 * 3 = 0.75 * 4. Explanation: For the purposes of counting the number of processors which require licensing, a multicore chip \$ USD/tpmC: \$2 with *n° cores shall be determined by multiplying *n° cores by a factor of .75. 3) Redhat, 4) Microsoft.com, 5) compuplus.com, 6) CDW.com \$ Substitution Notes: Eight x335s were substituted for the priced clients. 73GB drives were substituted for 36GB drives. See FDR. * *Discounts are based on US list prices for similar quantities & configurations including pre-payment for maintenance. The discount of 35% applies to the totality of all items with price source of *1". Audited by Francois Raab, InfoSizing, Inc. (www.sizing.com) 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						IUIAI	728,522	75,126
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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 discount of 35% applies to the totality of all items with price source of	"1".						
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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			Irobasa cf 45 -	stated as-	onto Individual	nogotiet "	counte are pet	
				•		-		
he pricing sections of the TPC benchmark specifications. If you find that stated prices are not available according to these terms, please inform the TPC at pricing @ tpc.org.								300

Numerical Quantities Summary for the IBM Power 570

MQTH, computed Maximum Qualified Throughput: 236,271 tpmC

<u>Response Times (in seconds)</u>	<u>90th %</u>	Avera	<u>ge Maximum</u>
New Order	1.27	0.44	7.36
Payment	1.29	0.43	7.01
Order-Status	1.28	0.44	7.04
Delivery (interactive)	0.47	0.18	5.52
Delivery (deferred)	0.08	0.04	1.70
Stock-Level	1.25	0.42	4.22
Menu	0.48	0.18	6.86

Response time delay added for emulated components was 0.1 seconds

Transaction Mix, in percent of total transactions	Percent
New Order	44.91%
Payment	43.03%
Order-Status	4.01%
Delivery	4.01%
Stock-Level	4.01%

Keying/Think Times (in seconds)	<u>Min.</u>	Average	<u>Max.</u>
New Order	18.00/0.01	18.01/12.02	18.02/120.20
Payment	3.00/0.01	3.01/12.01	3.02/120.20
Order-Status	2.00/0.01	2.01/10.01	2.02/100.10
Delivery	2.00/0.01	2.01/5.02	2.02/50.20
Stock-Level	2.00/0.01	2.01/5.02	2.02/50.20

Test Duration

Ramp-up Time	1 hour 24 minutes
Measurement interval	2 hours 30 minutes
Transactions during measurement interval (all types)	78,913,123

Checkpoints

Number of checkpoints	5
Checkpoint interval	29 minutes 36 seconds