

	IDM Qanwan wearing 250 ala			TPC-C Rev. 5.0				
IDM Componetion	IBM @server xSeries 350 c/s			Upgrade from Rev. 3.5				
IBM Corporation	with Microsoft SQL Server 2000			Report Date: April 12, 2001 (Original: December 12, 2000)				
Description	Order Number	Thi	rd-Party	Unit	Qty	Ext. Price	3-Yr.	
		Brand	Pricing	Price			Maint.*	
Server Hardware								
xSeries 350 / 700MHz/2MB Pentium III Xeon*	86825RY		1	\$7,165	1	\$7,165	\$2,495	
700MHz/2MB L2 Cache Processor Upgrade	00N7944		1	3,625	3	10,875	0	
512MB ECC SDRAM RDIMM Memory Kit	33L3117		1	1,277	15	19,155	0	
Netinity 9.1GB 10K Ultra160 SCSI Drive	37L7204		1	299	1	299	0	
Mylex eXtremeRAID 2000 Adapter** Netfinity 4.2M Ultra2 SCSI Cable	E2000-4-32NB 03K9311	Mylex	3 1	1,872 105	7 18	13,104 1,890	0 0	
10/100 Ethernet Server Adapter	06P3601		1	99	1	99	0	
E54 14" (13.8" Viewable) Color Monitor*	6331N2N		1	168	1	168	90	
20/40GB Internal SCSI Tape Drive	00N7991		1	879	1	879	0	
Netfinity Rack*	9306900		1	1,725	2	3,450	600	
Side Panel Kit	94G6669		1	195	1	195	0	
Storage Hardware								
Netfinity EXP300 Rack Storage Enclosure*	35311RU		1	3,179	17	54,043	3,400	
9.1GB 15K Ultra160 SCSI Drive	19K0655		1	601	168	100,968	0	
18.2GB 15K Ultra160 SCSI Drive	19K0656		1	789	68	53,652	0	
				S	ubtotal	\$265,942	\$6,585	
Server Software			-			* ***	^	
Microsoft SQL Server 2000 Enterprise Edition Microsoft Windows 2000 Advanced Server	810-00846 C10-00475	Microsoft Microsoft	2 2	16,541 2,399	4 1	\$66,164 2,399	\$0 0	
Three-Year Maintenance for Software	010-00475	Microsoft	2	2,399	3	2,399	6,285	
				S	ubtotal	\$68,563	\$6,285	
Client Hardware								
IBM Netfinity 5100 / 733MHz/256KB Pentium III*	86582RY		1	2,052	4	\$8,208	\$5,980	
9.1GB 10K Ultra160 SCSI Drive	37L7204		1	299	4	1,196	0	
256MB 133MHz ECC SDRAM RDIMM	33L3125		1	365	4	1,460	0	
10/100 Ethernet Server Adapter	06P3601		1	99	4	396	0	
E54 15" (13.8" Viewable) Color Monitor*	6331N2N		1	168	4	672	360	
Client Software				S	ubtotal	\$11,932	\$6,340	
	C11 00921	Minnaaft	2	720	4	2 052	0	
Microsoft Windows 2000 Server with COM+ Microsoft Visual C++ Professional 6.0 Win32	C11-00821 048-00317	Microsoft Microsoft	2 2	738 549	4 1	2,952 549	0 0	
	040 00017	MICIOSOIL	2		ubtotal		\$0	
User Connectivity				0		ψ0,001	ψŪ	
8-Port 10/100Mbps Nway Fast Ethernet	NX-DSS8		4	25	7	175	0	
Switch***				-				
				S	ubtotal Total	\$175 \$350,113	\$0	
Notos: * The standard 2-year warranties on IRM hardware have	o boon ungraded to 7	(24.4-bour						
Notes: * The standard 3-year warranties on IBM hardware have been upgraded to 7x24, 4-hour response time coverage. *** Five-year warranty. **** 10% or minimum 2 spares are added in place of the state of conductive base of coverage the vender warranty.			f Inree-rea	Three-Year Cost of Ownership:\$369,323tpmC Rating:34,264.90				
on-site service (products have a 5-year return-to-vendor-warranty) Pricing: 1 - IBM Corp.; 2 - Microsoft Corp.; 3 - Mylex ; 4 - Software House International.				\$4,264.90 \$ / tpmC: \$10.78				
Audited by Bradley J. Askins of InfoSizing, Inc					-			
Prices used in TPC benchmarks reflect the actual p negotiated discounts are not permitted. Special pric								
negonated discounts are not permitted. Special price	es based on assum	iptions about	past or fuffire pu	renases are r	10t perm	med All dis	counts	
reflect standard pricing policies for the listed comp								

	Numerical Quan	tities Summary		
MQTh, Computed Maximum % throughput difference, rep	34,264.90 tpmC 0.064%			
Response Times (in seconds)	Average	Maximum	90 %-tile	
New-Order	0.47	21.29	0.82	
Payment	0.40	27.84	0.75	
Delivery	0.13	7.21	0.16	
Stock Level	1.20	11.88	1.75	
Order Status	0.41	6.04	0.75	
Delivery (Deferred)	0.21	0.89	0.35	
Menu	0.13	13.46	0.17	
Transaction Mix (in perce	ent of total transactions)	Total Occurrences	Percent	
New-Order		685,298	44.89	
Payment		656,525	43.01	
Delivery		61,504	4.03	
Stock-Level		61,582	4.03	
Order Status		61,643	4.04	
Emulation Delay (in seconds)		Response Time	Menu	
New-Order		0.1	0.1	
Payment		0.1	0.1	
Delivery		0.1	0.1	
Stock-Level		0.1	0.1	
Order Status		0.1	0.1	
Keying/Think Times (in seconds)	Average	Minimum	Maximum	
New Order	18.01 / 12.05	18.00 / 0.00	18.03 / 120.51	
Payment	3.02 / 12.04	3.00 / 0.00	3.03 / 120.50	
Delivery	2.01 / 5.06	2.00 / 0.00	2.03 / 50.50	
Stock Level	2.01 / 5.03	2.00 / 0.00	2.03 / 48.61	
Order Status	2.02 / 10.06	2.00 / 0.00	2.03 / 100.50	
Test Duration				
Ramp-up time	21 minutes			
Measurement interval	20 minutes			
Number of transactions (al	1,588,062			
Ramp-down time	22 minutes			
Number of checkpoints in	1			
Checkpoint interval	20 minutes			