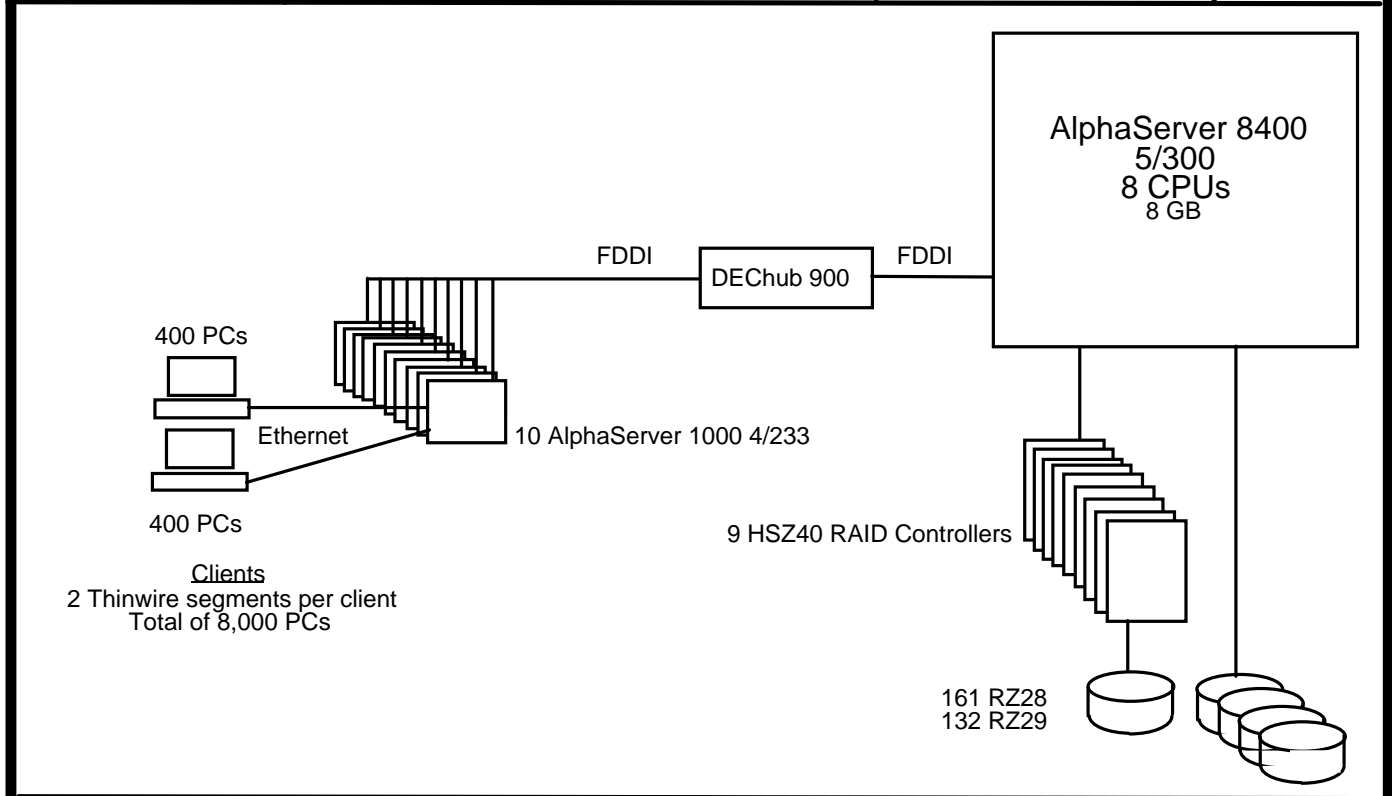


Digital Equipment Corporation and Oracle Corporation	Digital AlphaServer 8400 5/300 8 CPUs C/S and 10 AlphaServer 1000 4/233 Front-End Systems	TPC-C Rev 3.0
		Report Date: 27 Oct 1995

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
\$2,972,726	9414.06 tpmC	\$316/tpmC	March 1996

Processors	Database Manager	Operating System	Other Software	Number of Users
8 300 MHz DECchip 21164	Oracle7 v7.3	Digital UNIX V3.2D-1	ITI TUXEDO System/T v4.2	8,000



System Components	Server		Client (each of 10)	
	Qty	Type	Qty	Type
Database Nodes	1	AlphaServer 8400 5/300	1	AlphaServer 1000 4/233
Processors	8	300 MHz DECchip 21164	1	233 MHz DECchip 21064A
Cache Memory		4 MB		512 KB
Memory (MB)	4	2 GB	4	128 MB
Disk Controllers	10	PCI		
Disks	161	2.1 GB Disks	1	2.1 GB Disks
	132	4.0 GB Disks		
Total Disk Storage		866.1 GB		2.1 GB

Digital AlphaServer 8400 5/300
8 CPUs C/S with 10 AlphaServer
1000 4/233 Front-End Systems

warehouses users	800			0.2								
	8000	Unit Price			Ext.	Service	Maint	# Y	5 Yrs	5 Year		
		1 Yr Warr	Qty	Dis. Dis.	Price	Level	\$		Service	Cost		
SERVER HARDWARE:	Part Num.											
Digital AlphaServer 8400 in-cabinet	DA-291BF-A	395600	1	-79120	\$316,480.00	A.C. *	0	0	0	316480		
YR2-5 5x9/4HR, 8400	FM-4Z4HR-6	43968	1	0	\$43,968.00	A.C. *	0	5	0	43968		
5YR, Digital UNIX sw, 8400 Dual Pro	FM-84DOS-4	24204	1	0	\$24,204.00	A.C. *	0	5	0	24204		
Additional Dual-CPU	752P2-AX	65000	3	-39000	\$156,000.00	A.C. *	0	5	0	156000		
2GB AlphaServer 8xxx Memory	MS7CC-FA	212600	3	-127560	\$510,240.00	A.C. *	0	5	0	510240		
48Volt Power Regulator Option	H7263-AA	8346	2	-3338.4	\$13,353.60	A.C. *	0	5	0	13353.6		
TURBO-LASER IO PORT MOD	E2052-AA	8200	1	-1640	\$6,560.00	A.C. *	0	5	0	6560		
Credit for Integrated TL I/O port MOD	E2054-AA	-11200	1	2240	(\$8,960.00)	A.C. *	0	5	0	-8960		
DEChub 900 MultiSwitch, US/JA	DMHUB-AA	3990	1	-798	\$3,192.00	A.C. *	0	5	0	3192		
DEChub 900 Power Supply	H7894-MA	990	1	0	\$990.00	A.C. *	0	5	0	990		
6-Port Conc with Mod PMDs	DEF6M-MA	6600	2	-3564	\$9,636.00	A.C. *	0	5	0	9636		
Storage Plug-In-Unit	BA655-AB	2100	2	-840	\$3,360.00	A.C. *	0	5	0	3360		
PCI PIU for 8400 System Cab	DWLPA-AA	9000	1	-1800	\$7,200.00	A.C. *	0	5	0	7200		
RZ28 2.1 GB SCSI Disk	RZ28M-VA	1449	176	-68856.5	\$186,167.52	WS **	0	5	0	186167.52		
RZ29 4.3 GB SCSI Disk	RZ29B-VA	2199	146	-86684.6	\$234,369.42	WS **	0	5	0	234369.42		
SCSI Signal Convrt-SBB	DWZZA-VA	502	1	-100.4	\$401.60	A.C. *	0	5	0	401.6		
PCI-HOST BUS ADAPTER (FWD)	KZPSA-BB	1995	11	-4389	\$17,556.00	A.C. *	0	5	0	17556		
600-MBYTE, 5.25" CD ROM DRIVE	RRDCC-CA	500	1	-100	\$400.00	A.C. *	0	5	0	400		
ST-SC DUAL FO CBL,MM,PP,4.5M	BN34A-4E	102	1	-20.4	\$81.60	A.C. *	0	5	0	81.6		
MIC-SC DUAL FO CBL, MM, P-P, 3M	BN34D-03	84	1	-16.8	\$67.20	A.C. *	0	5	0	67.2		
PCI TO FDDI ADPTR SAS,MMF,SC	DEFFA-AA	1195	1	-322.65	\$872.35	A.C. *	0	5	0	872.35		
SW SCSI Array Cntrl 42 Device	HSZ40-BA	6675	9	-16220.3	\$43,854.75	A.C. *	0	5	0	43854.75		
0GB SCSI CAB FOR 24 SHLF 208V	SW800-AA	6102	3	-4942.62	\$13,363.38	A.C. *	0	5	0	13363.38		
STOR SHLF/METRIC W/PS SCSI	BA350-JA	971	54	-14157.2	\$38,276.82	A.C. *	0	5	0	38276.82		
SWXXX CNTLR SHLF W/PWR	BA350-MB	1684	9	-3031.2	\$12,124.80	A.C. *	0	5	0	12124.8		
8 GB DAT W/SNAP-IN SW CARRIER	TLZ07-VA	1999	1	-5397.3	(\$51,974.00)	A.C. *	0	5	0	-51974		
1.0 M Cable, SCSI-2 "A"	BN21H-01	77	27	0	\$2,079.00	A.C. *	0	5	0	2079		
2.0 M Cable, SCSI-2 "A"	BN21H-02	82	27	0	\$2,214.00	A.C. *	0	5	0	2214		
5 M Cable, SCSI-3 "P" 1S/1R	BN21k-05	156	11	0	\$1,716.00	A.C. *	0	5	0	1716		
VT510, WHITE, NORTH, AMER	VT510	376	1	-101.52	\$274.48	A.C. *	0	5	0	274.48		
US/UK 108 KEYBOARD	LK411-AA	63	1	0	\$63.00	A.C. *	0	5	0	63		
CLIENT HARDWARE:												
AlphaServer 1000 4/233 Digital UNIX	PB71C-FA	9780	10	-19560	\$78,240.00	A.C. *	0	5	0	78240		
5YR 5x9/4HR, ASvr 1000	FM-4Z4HR-6	3085	10	0	\$30,850.00	A.C. *	0	5	0	30850		
5YR, Digital UNIX sw, AS1000	FM-84OSF-6	5153	10	0	\$51,530.00	A.C. *	0	5	0	51530		
SIMPLE TECHNOLOGIES 128 mb	QS-HQ1AC-	6995	40	0	\$279,800.00	A.C. *	0	5	0	279800		
RZ28 2.1 GB SCSI Disk	RZ28M-VW	1579	10	-4263.3	\$11,526.70	A.C. *	0	5	0	11526.7		
PCI, 32 Bit, B. M., PC NIC	DE435-AA	179	20	-966.6	\$2,613.40	A.C. *	0	5	0	2613.4		
PCI to FDDI Adptr SAS, MMF, SC	DEFFA-AA	1195	10	-3226.5	\$8,723.50	A.C. *	0	5	0	8723.5		
14" APM CLR MON, 28mm MPR2	FR-PCXCV4	299	10	-299	\$2,691.00	A.C. *	0	5	0	2691		
PS/2 NORTH AMERICAN KBD	LK471-AA	75	10	-150	\$600.00	A.C. *	0	5	0	600		
Digital UNIX unlimited user license	QL-MT7AE-A	6620	10	-13240	\$52,960.00	A.C. *	0	5	0	52960		
Digital UNIX Media and Doc. CD	QA-MT4AA-	314	1	-62.8	\$251.20	A.C. *	0	5	0	251.2		
Multia Multi-Client Desktop Sys.	VX47A-F3	0	8000	0	\$0.00	WWS	0	5	0	0		
DIGITAL TOTAL:					\$2,107,917.32					2107917.32		
HTI, ULTRA SlimLine 24 PORT HUB	DEH1477	280	368	0	\$103,040.00		0	5	0	103040		
Software												
/iTi TP Monitor Run Time License	/iTi TP Mo	6000	9	-16200	\$37,800.00	/iTi	900	5	40500	78300		
/iTi TP Monitor Development License	/iTi TP Mo	7500	1	0	\$7,500.00	/iTi	1125	5	5625	13125		
/iTi TP Monitor Documentation	/iTi TP Mo	295	1	0	\$295.00	/iTi	0	5	0	295		
Oracle7 RDBMS & SQL Net Software	Oracle	33600	1	-94080	\$241,920.00	WWS	43545.6	5	217728	459648		
Oracle7 64 Bit Option	Oracle	96000	1	-26880	\$69,120.00	WWS	12441.6	5	62208	131328		
* Ext. Warr. (M13-60) Avnet Comp.	FM-WRNTY-	33913.09	1		\$33,913.09	WWS	0	5	0	33913.09		
Hardware Installation service	Avnet	45160	1		\$45,160.00	WWS	0	5	0	45160		
CONFIGURATION TOTAL:	1356031.1				\$2,646,665.41					326061	\$2,972,726.41	
										tpmC=	9414.06	
										\$/tpmC =	\$315.78	