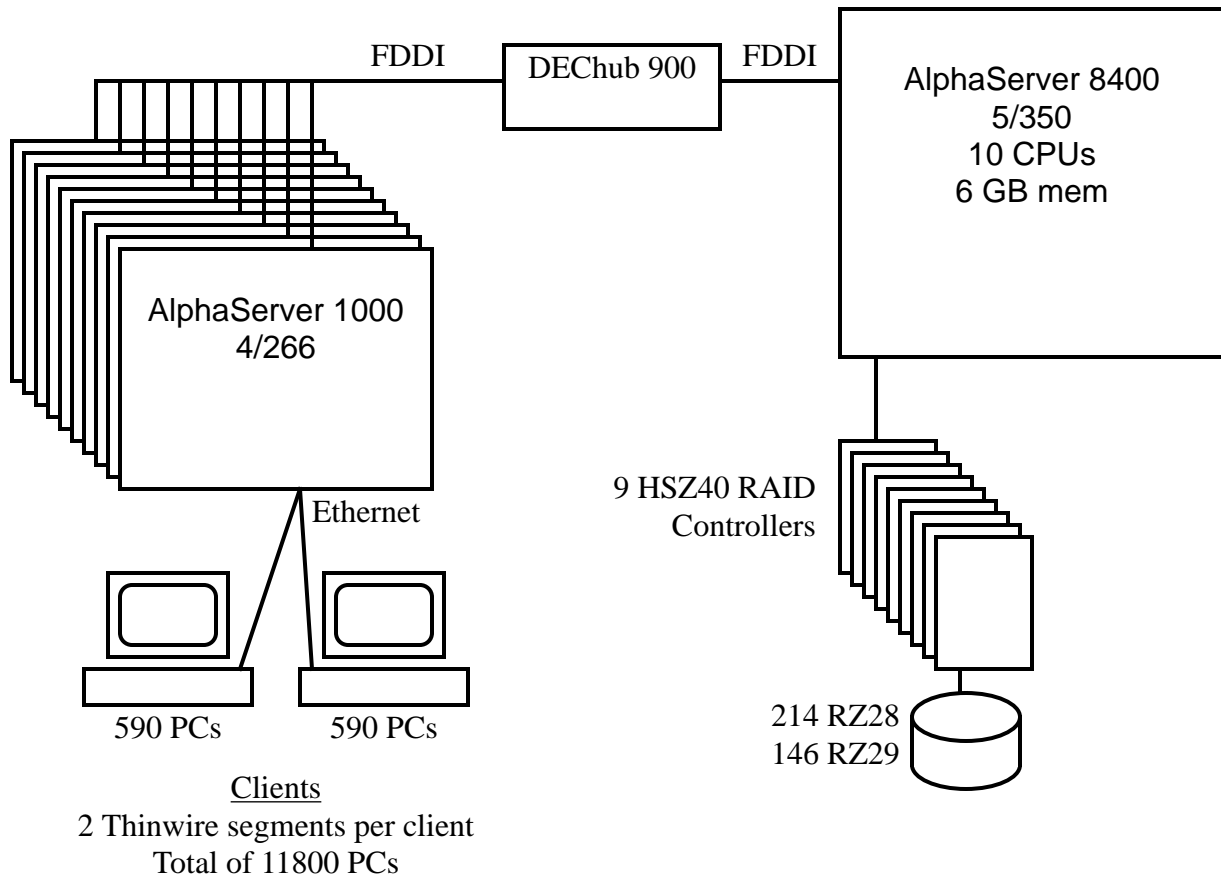


Sybase Inc. and Digital Equipment Corp	<b>Digital AlphaServer 8400 5/350 10 CPUs and 10 AlphaServer 1000 4/266 Front-End Systems</b>		TPC-C Rev 3.2	
			Report Date: 8 July 96	
<b>Total System Cost</b>	<b>TPC-C Throughput</b>	<b>Price/Performance</b>	<b>Availability Date</b>	
<b>\$2,812,287</b>	<b>14,176.61 tpmC</b>	<b>\$198.37/tpmC</b>	<b>15 Dec 1996</b>	
<b>Processors</b>	<b>Database Manager</b>	<b>Operating System</b>	<b>Other Software</b>	<b>Number of Users</b>
<b>10 350 MHz DECchip 21164</b>	<b>Sybase SQL Server 11.0.3</b>	<b>Digital Unix V3.2G</b>	<b>ITI TUXEDO System/T v4.2</b>	<b>11,800</b>



System Components	Server		Client (each of 10)	
	Qty	Type	Qty	Type
Database Nodes	1	AlphaServer 8400 5/350	1	AlphaServer 1000 4/266
Processors	10	350 MHz DECchip 21164	1	266 MHz DECchip 21064A
Cache Memory		4 Mb		512 KB
Memory (MB)	3	2 GB	4	128 MB
Controllers	8	PCI		
Disks	146	4.0 GB Disks	1	2.1 GB
	214	2.1 GB Disks		
Total Disk Storage		1033.4 GB		2.1 GB

**Digital AlphaServer 8400 5/350**  
**10 CPUs C/S and 10 AlphaServer**  
**1000 4/266 Front-End Systems**

Description	Part Number	Brand	Pricing	Unit Price	Qty	Extended Price	5 yr Maint. Price	
Digital AlphaServer 8400 in-cabinet	DA-291DF-AA	Digital	1	332,588	1	332,588	0	
YR2-5 5x9/4HR, 8400	FM-4Z4HR-60	Digital	1	39,571	1	39,571	39,571	
5YR, Digital UNIX s/w, 8400 Dual Processor	FM-84DOS-60	Digital	1	21,783	1	21,783	21,783	
EV5/ 350Mhz, Dual-CPU Module	E2061-DA	Digital	1	51,100	4	204,400	0	
AS8xxx 2GB Memory Option	MS7CC-FA	Digital	1	155,198	2	310,396	0	
48 Volt Power Regulator Option	H7263-AA	Digital	1	6,676	1	6,676	0	
TubroLaser I/O Port Mod	E2052-AA	Digital	1	5,986	1	5,986	0	
DEChub 900 MultiSwitch, US/JA	DMHUB-AA	Digital	1	3,190	1	3,190	0	
HUBwatch U/A Trad License	QL-OMWA9-AA	Digital	1	2,309	1	2,309	0	
DEChub /HubWt U/A Cdrom Pkg	QB-32VAC-AA	Digital	1	186	1	186	0	
6-Port Conc with Mod PMD	DEF6M-MA	Digital	1	5,276	2	10,552	0	
DECswitch 900EF	DEFBA-MA	Digital	1	6,236	2	12,472	0	
PCI PIU for 8400 System cab	DWLPB-AA	Digital	1	6,570	1	6,570	0	
PCI-Host Bus Adapter (FWD)	KZPSA-BB	Digital	1	876	9	7,884	0	
ST-SC Dual FO Cbl, MM, PP, 4.5M	BN34A-4E	Digital	1	82	1	82	0	
MIC-SC Dual FO Cbl, MM, PP, 3M	BN34D-03	Digital	1	67	1	67	0	
SC, FO PP, SM Conn 6pk	H3114-FO	Digital	1	76	1	76	0	
PCI to FDDI Adapter SAS, MMF, SC	DEFPA-AA	Digital	1	932	1	932	0	
SW, SCSI Array Contrl 42 Device	HSZ40-CF	Digital	1	10,856	9	97,704	0	
0GB SCSI Cab for 24 Shelf 208V	SW800-AA	Digital	1	5,615	3	16,845	0	
Stor Shelf/Metric w/ps SCSI	BA350-JA	Digital	1	1,420	46	65,320	0	
Swxxx Controlr shelf w/power	BA350-MB	Digital	1	1,549	9	13,941	0	
8GB DAF w/snap-in carrier	TLZ07-VA	Digital	1	1,599	1	1,599	0	
2.0M Cable, SCSI-2 'A'	BN21H-02	Digital	1	72	23	1,656	0	
1.0m Cable, SCSI-2 'A'	BN21H-01	Digital	1	68	23	1,564	0	
5M Cable, SCSI-2 'P' 1S/1R	BN21K-05	Digital	1	137	8	1,096	0	
VF510, White, North American	VF510-AA	Digital	1	320	1	320	0	
US/UK 108 Keyboard	LK411-AA	Digital	1	53	1	53	0	
RZ28 2.1 GB SCSI Disk**	RZ28M-VA	Digital	1	1,049	214	224,486	0	
RZ29 4.3 GB SCSI Disk**	RZ29B-VA	Digital	1	1,629	148	241,092	0	
		Digital				Subtotal	1,570,042	61,354
<b>Client Hardware</b>		Digital						
AlphaServer 1000 4/266 Digital UNIX S	PB72C-FA	Digital	1	7,139	10	71,390	0	
5YR 5x9/4HR, Asrvr 1000	FM-MK4HR-60	Digital	1	2,775	10	27,750	27,750	
5YR, Digital UNIX s/w, AS1000	FM-MKOSF-60	Digital	1	4,637	10	46,370	46,370	
128 MB mem 64/2880	DRD70/128	Digital	1	3,995	40	159,800	0	
RZ28 2.1 GB SCSI Disk (wide)	RZ28M-VW	Digital	1	1,175	10	11,750	0	
PCI, 32 Bit, B.M., PC NIC	DE435-AA	Digital	1	143	10	1,430	0	
PCI to FDDI Adapter Sas, TP-PMD	DEFPA-AA	Digital	1	956	10	9,560	0	
ST-SC Dual FO Cbl, MM, PP 4.5M	BN34A-4E	Digital	1	81	10	810	0	
MIC-SC Dual FO Cbl, MM, PP, 3M	BN34D-03	Digital	1	67	10	670	0	
14' APM Color Monitor, 28mm MPR2	FR-PCXCV-VA	Digital	1	299	10	2,990	0	
PS/2 North American Keyboard	LK471-AA	Digital	1	70	10	700	0	
Extended Warranty 13-24 Months	FM-WRNTY-24	Bay State	1	1,014	1	1,014	1,014	
Extended Warranty 13-36 Months	FM-WRNTY-36	Bay State	1	2,027	1	2,027	2,027	
						Subtotal	259,100	77,161
<b>Client Software</b>								
Digital UNIX unlimited user license	QL-MT7AE-AA	Digital	1	4,832	10	48,320	0	
Digital UNIX Media and Documentation CD	QA-MT4AA-H8	Digital	1	285	1	285	0	
BEA Tuxedo R4.2.2	BEA TP Mo	BEA Sys	2	7,500	10	75,000	0	
1YR Support BEA Tuxedo	BEA TP Mo	BEA Sys	2	6,600	5	33,000	0	
Sybase Open Client/DB Lib	Sybase	Sybase	3	795	1	795	0	
Sybase SQL Server RDBMS Software	Sybase	Sybase	3	324,000	1	324,000	0	
1YR Sybase Maintenance	Sybase	Sybase	3	39,600	5	198,000	198,000	
						Subtotal	481,400	198,000
<b>User Connectivity</b>								
Allied Tel 24 port HUB	DEH1487	DCW	4	310	533	165,230	0	
						Total	\$2,475,772	\$336,515
<b>Five Year Cost of Ownership</b>							\$2,812,287	
tpmC Rating							14,176.61	
\$/tpmC							198.37	
Notes: 1=Bay State Comp								
2=BEA Systems								
3=Sybase								
4=DataCom Warehouse								