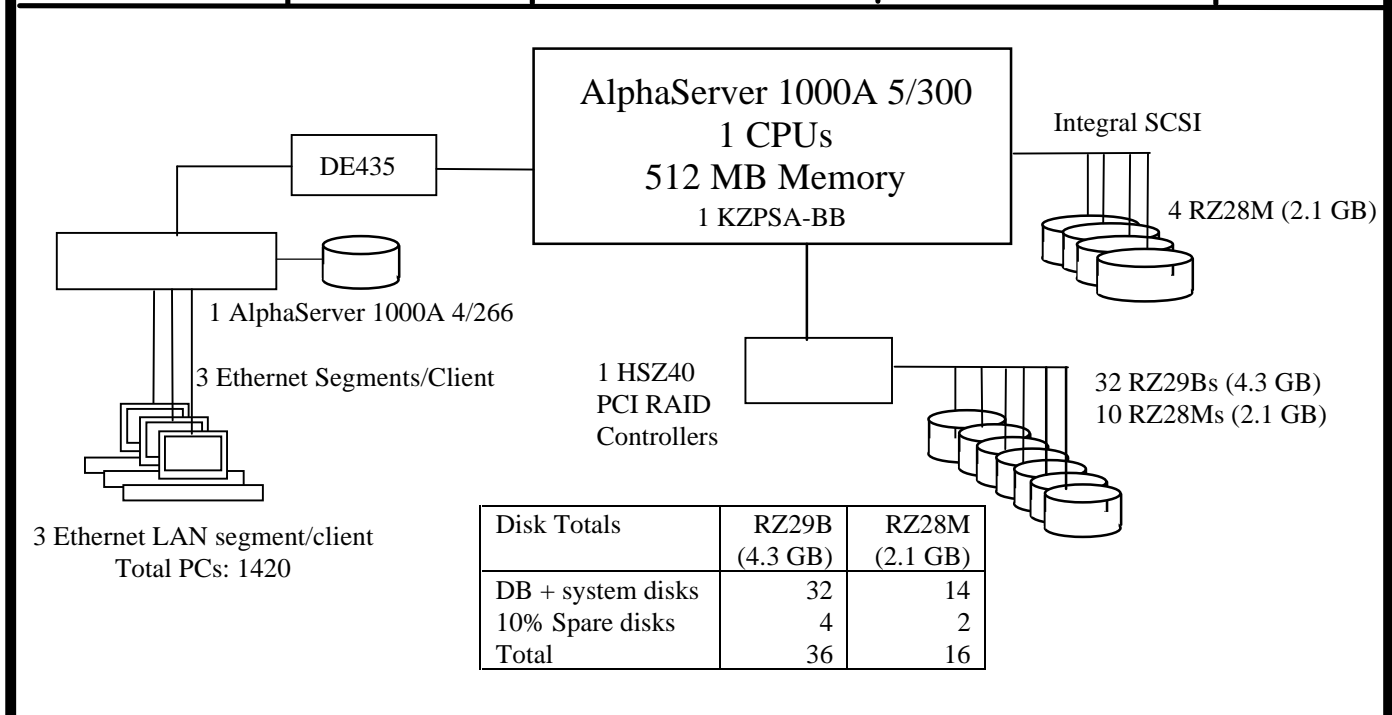


| | | | | |
|--------------------------------------|---|-----------------------------|---------------------------------|--------------------------|
| Digital Equipment Corporation | Digital AlphaServer 1000A 5/300 1 CPU C/S and 1 AlphaServer 1000A 4/266 Front-End System | | TPC-C Rev 3.2 | |
| Sybase, Inc. | | | Report Date: July 96 | |
| Total System Cost | TPC-C Throughput | Price/Performance | | Availability Date |
| \$267,586 | 1691.04 tpmC | \$158.24 /tpmC | | August 1996 |
| Processors | Database Manager | Operating System | Other Software | Number of Users |
| 1 300 MHz DECchip 21164 | Sybase SQL Server 11.0 | Digital UNIX V3.2F-2 | BEA TUXEDO System/T v4.2 | 1420 |



| System Components | Server | | Client | |
|--------------------|--------|-------------------------|--------|-------------------------|
| | Qty | Type | Qty | Type |
| Database Nodes | 1 | AlphaServer 1000A 5/300 | 1 | AlphaServer 1000A 4/266 |
| Processors | 1 | 300 MHz DECchip 21164 | 1 | 266 MHz DECchip 21064A |
| Cache Memory | 2 | MB | | 512 KB |
| Memory | 1 | 512 MB | 4 | 128 MB |
| Disk Controller | 1 | PCI | | |
| Disks | 32 | 4.3 GB Disks | 2 | 2.1 GB Disks |
| | 14 | 2.1 GB Disks | | |
| Total Disk Storage | 167.0 | GB | | |

| | | |
|--------------------------|--|--|
| Digital Equipment | Digital AlphaServer 1000A 5/300 | TPC-C REV 3.2 EXECUTIVE SUMMARY |
| | | PAGE 2 OF 2 |
| Corporation | | Report Date: 29-July - 1996 |

| Description | Part Number | Third Party | Unit Price | Qty | Extended Price | 5 yr. Maint. Price | |
|--|-------------|-------------|--------------|----------------|------------------|--------------------|--------|
| Server Hardware | | | Brand | Pricing | | | |
| Digital AlphaServer 1000A 5/300 UNIX SBB | PB77C-FA | Digital | 1 | 9,505 | 1 | 9,505 | 0 |
| AS1000A 5/300 128 MB Memory | PB7MA-CD | Digital | 1 | 4,525 | 4 | 18,100 | 0 |
| SW 6-CH SCSI 32mb R/CA 42 Dev | HSZ40-CF | Digital | 1 | 10,620 | 1 | 10,620 | 0 |
| SWxxx Cntrlr Basic Shelf | BA350-MA | Digital | 1 | 1,085 | 1 | 1,085 | 0 |
| Stor Shelf/Metric w/ps SCSI | BA350-JA | Digital | 1 | 1,395 | 6 | 8,370 | 0 |
| PCI-Host Bus Adapter (FWD) | KZPSA-BB | Digital | 1 | 860 | 1 | 860 | 0 |
| PCI Bus, 32 Bit, PC NIC | DE435-AA | Digital | 1 | 140 | 1 | 140 | 0 |
| 8GB DAT w/snap-in carrier | TLZ07-VA | Digital | 1 | 1,565 | 1 | 1,565 | 0 |
| VT510, White, North Amer, No Key | VT510-AA | Digital | 1 | 330 | 1 | 330 | 0 |
| 1.0M Cable, SCSI-2 "A" | BN21H-01 | Digital | 1 | 65 | 3 | 195 | 0 |
| 2.0M Cable, SCSI-2 "A" | BN21H-02 | Digital | 1 | 75 | 3 | 225 | 0 |
| 3.0M Cable, SCSI-3 "P: 1S/1R | BN21K-03 | Digital | 1 | 125 | 1 | 125 | 0 |
| 2.1 GB Disk w/snap-in carrier | RZ28M-VA | Digital | 1 | 1,000 | 14 | 14,000 | 0 |
| 4.3 GB Disk/ w/snap-in carrier | RZ29B-VA | Digital | 1 | 1,725 | 32 | 55,200 | 0 |
| Subtotal | | | | | 120,320 | 0 | |
| Client Hardware | | | | | | | |
| AlphaServer 1000A 4/266 Unix PKG | PB74B-FA | Digital | 1 | 15,700 | 1 | 15,700 | 0 |
| Dataram Memory 128mb Memory Module | DRD 70/128 | BayState | 2 | 3,850 | 4 | 15,400 | 0 |
| 2.1 Gbf 3.5" DK in Mod Carrier | RZ28M-VA | Digital | 1 | 1,060 | 2 | 2,120 | 0 |
| PCI Bus, 32 Bit, PC NIC | DE435-AA | Digital | 1 | 140 | 4 | 560 | 0 |
| VT510, White, North Amer, No Key | VT510-AA | Digital | 1 | 330 | 1 | 330 | 0 |
| Subtotal | | | | | 34,110 | 0 | |
| Client Software | | | | | | | |
| Digital UNIX Unld IA User License, Media & I | QL-MT7AE-AA | Digital | 1 | 4,680 | 1 | 4,680 | 0 |
| Digital UNIX Media & Doc CD | QA-MT4AA-H8 | Digital | 1 | 280 | 1 | 280 | 0 |
| BEA Tuxedo R4.2.2 | BEA TP Mo | BEA Systems | 3 | 7,500 | 1 | 7,500 | 0 |
| 1YR BEA Warranty for Tuxedo | BEA TP Mo | BEA Systems | 3 | 1,650 | 5 | 0 | 8,250 |
| Sybase Open Client/DB Lib | Sybase | Sybase | 4 | 795 | 1 | 795 | 0 |
| Sybase SQL Server RDBMS Software | Sybase | Sybase | 4 | 27,996 | 1 | 27,996 | 0 |
| 1YR Sybase Maintenance | Sybase | Sybase | 4 | 6,999 | 5 | 0 | 34,995 |
| Subtotal | | | | | 41,251 | 43,245 | |
| Warranties | | | | | | | |
| Extended Warranty 13-24 Months | FM-WRNTY-24 | Bay State | 2 | 890 | 1 | | 890 |
| Extended Warranty 13-36 Months | FM-WRNTY-36 | Bay State | 2 | 1,775 | 1 | | 1,775 |
| Extended Warranty 13-48 Months | FM-WRNTY-48 | Bay State | 2 | 2,725 | 1 | | 2,725 |
| Extended Warranty 13-60 Months | FM-WRNTY-60 | Bay State | 2 | 2,810 | 1 | | 2,810 |
| Subtotal | | | | | 8,200 | | |
| User Connectivity | | | | | | | |
| Allied Tel 24 port HUB | DEH1487 | MacWhse | 5 | 310 | 66 | 20,460 | |
| Subtotal | | | | | 20,460 | 0 | |
| Total | | | | | \$216,141 | \$51,445 | |

| | |
|--|---|
| Notes: | Five-Year Cost of Ownership: \$267,586 |
| 1=Digital 2=Bay State Comp Grp, 3=BEA Systems, 4= Sybase, 5=MacWarehouse | tpmC Rating: 1691.00 |
| Audited by Information Paradigm, Inc. | \$ / tpmC: 158.24 |