

SPECjAppServer2002 Benchmark Product List
IBM x335 WebSphere 5.1 Cluster with p650 DB2 v8.1 FP4 Database Server

x335 Cluster Hardware

Description	Part Number	Unit Price	Support Price	Unit Qty	Support Qty	Total Unit	Total Support
IBM xSeries 335	8676-G1X	3719		1		3,719	
3.2GHZ 533MHZ 1MB L3 CACHE XEON PROCESSOR							
2 X 512MB PC2100 DDR SDRAM (CHIPKILL)							
IBM XSERIES 335 - 3YR WARRANTY SERVICE UPGRADE (24X7X4)	21P2073		450		1		450
3.2GHZ 533MHZ 1MB L3 CACHE XEON PROCESSOR	13N0661	1799		1		1,799	
IBM 1 GB PC2100 CL2.5 ECC DDR SDRAM DIMM	33L5039	659		2		1,318	
IBM 36.4 GB 10K RPM ULTRA320 SCSI HOT-SWAP HDD	32P0726	299		1		299	
Per Unit Totals						7,135	450
xTotals						9	64,215
							4,050

p650 Database Hardware

Description	Part Number	Unit Price	Support Price	Unit Qty	Support Qty	Total Unit	Total Support
p650 - AIX - POWER4+-1.45 GHz processors	7038-6M2-850M						
RACK SERVER 1:SERIES 650 (1YR WARRANTY INCLUDED)	7038-6M2	3595	2076	1	2	3,595	4,152
PCI 4CHAN U3 SCSI RAID ADAP	7038-2498	3332		1		3,332	
16X/48X SCSI AUTO-DOCK DVD ROM	7038-2635	400		1		400	
PWR GXT135P GRAPHICS ACCEL	7038-2848	412		1		412	
146.8GB 10K RPM U3 SCSI DDRASS	7038-3275	3082		2		6,164	
BAKPLANE AUTO-DOCKING MEDIA DR	7038-4251	400		1		400	
INT CAB INTEG CONTR 2SCSI BKPL	7038-4255	292		1		292	
INT.CAB.MEDIA BACKPLANE(4PACK)	7038-4261	25		1		25	
RACK INDICATOR, RACK 1	7038-4651	N/C		1			
SOFTWARE PREINSTALL	7038-5005	N/C		1			
PROC CARD BACKPL 8WAY CONFIG	7038-5124	400		1		400	
10/100/1000 BASETX ETH PCIX AD	7038-5701	1066		1		1,066	
2 GIGAB FIBRE CHANN PCI-X ADPT	7038-6239	2582		2		5,164	
AC POWER SUPPLY, 1100 W	7038-6287	1000		2		2,000	
RIO-2 RMT I/O LOOP ADPT,PRIMAR	7038-6415	1000		1		1,000	
U3 SCSI BAKPL HS DISKS	7038-6578	600		1		600	
2WAY 1.45GHZ PWR4+ PROC CARD (1YR WARRANTY INCLUDED)	7038-8051	N/C	1896	4	8		15,168
4096MB DIMMS EXPRESS CONFIG	7038-8052	N/C		4			
ENTITLEMENT FC EXPR CONFG 850M	7038-8059	115119		1		115,119	
POWER SPECIFY, AC	7038-9172	N/C		1			
LANG GRP SPEC.-US ENGLISH	7038-9300	N/C		1			
RIO-2 ENABLEMENT INDICATOR	7038-9581	N/C		1			
PWR CORD SPEC.- ALL	7038-9911	N/C		1			
WARRANTY SERVICE UPGRADE	6942-25B		N/C		1		
SAME DAY 24X7X4 RESPONSE	6942-4524		N/C		1		
7038-6M2 24X7X4 WSU	6942-6817		2227		1		2,227
CONTRACT COVERAGE (N/C CODES)	6942-CON		N/C		1		
SERVICESUITE	6942-0096		N/C		1		
HARDWARE MAINT. (N/C CODES)	6942-HMA		N/C		1		
MA HOURS OF COVERAGE-DEFAULT	6942-0025		N/C		1		
TERMS (N/C CODES)	6942-TCS		N/C		1		
REQUEST PROPOSAL FOR PRICES	6942-0050		N/C		1		
PREPAY BILLING 1 YEAR	6942-0053		N/C		1		
Totals						139,969	21,547

Storage Hardware (for p650)

Description	Part Number	Unit Price	Support Price	Unit Qty	Support Qty	Total Unit	Total Support
FASTT200 STORAGE SER	3542-2RU	12094		1		12,094	
FASTT200 - 3YR WARRANTY SERVICE UPGRADE (24x7x4)	41L2768		760		1		760
FIBRE CHANNEL SHORT WAVE GBIC	3542-2308	371		2		742	
2 GBPS FC, 36.4 GB/15K DRIVE	3542-5212	1115		10		11,150	
FIBRE CHAN 1M SHORT WAVE CABLE	3542-6701	55		2		110	
SAN JOSE ROUTING FEATURE	3542-9202	N/C		1			
EXP300 STORAGE EXPANSION UNIT	3531-1RU	3179		1		3,179	
IBM EXP300 - 3YR WARRANTY SERVICE UPGRADE (24X7X4)	21P2020		200		1		200
2M EXTERNAL LVD SCSI CABLE	03K9310	75		1		75	
18.2GB 15K RPM ULTRA 160 SCSI HOT-SWAP SL HDD	06P5767	329		7		2,303	
Totals						29,653	960

Miscellaneous Hardware

Description	Part Number	Unit Price	Support Price	Unit Qty	Support Qty	Total Unit	Total Support
7014-T00 : Rack 1:RS/6000 SYSTEM RACK	7014-T00	2920	384	1	3	2,920	1,152
RACK CONT SPEC:7038/6M2 8U	7014-0195	N/C		1			
RACK CONT. SPEC: 3542/2RU-3EIA	7014-0213	N/C		1			
FRONT DOOR FOR 1.8 METER RACK	7014-6068	450		1		450	
SIDE PANEL 1.8M/2M RACK BLACK	7014-6098	150		2		300	
PWR DIST. UNIT- 1 PHASE L6-30	7014-7176	1200		1		1,200	
PWR DIST SPECIFY-BASE/SIDE MO	7014-9176	N/C		1			
LANGUAGE GROUP SPEC-US ENGLISH	7014-9300	N/C		1			
POWER CORD SPEC-US/CANADA	7014-9800	N/C		1			
3COM SUPERSTACK 3 SWITCH 4924	3C17701US	3600		1		3,600	
3COM 1YR 24X7X4 EXPRESS SUPPORT - CAT10	3CS-EX74-10E		630		3		1,890
E54 15 INCH BLACK CRT MONITOR (13.8INCH VIEWABLE) MPRII	633147N	119		1		119	
E54 - 3YR WARRANTY SERVICE UPGRADE (24X7X4)	30L9183		90		1		90
IBM PREFERRED PRO FULL-SIZE KEYBOARD - 104 KEYS - PS/2	31P7454	29		1		29	

IBM SLEEK 2-BUTTON MOUSE - STEALTH BLACK (PS/2)	28L3673	15		1	15		
Totals						8,633	3,132
Hardware Subtotal						242,470	29,689
PassPort Advantage Software (Level F)							
Description	Part Number	Unit Price	Support Price	Unit Qty	Support Qty	Total Unit	Total Support
DB2 UDB ENTERPRISE SERVER EDITION PROCESSOR LIC+SW MAINT 12 MO	D518GLL	24347		8		194,776	
DB2 UDB ENTERPRISE SERVER EDITION PROCESSOR SW MAINT RNWL 1 ANNIV	E00BILL		4869		16		77,904
WEBSPPHERE APPLICATION SRVR NETWORK DEPLOYMENT PROCESSOR LIC+SW MAINT 12 MO	D5ALTLL	9975		18		179,550	0
WEBSPPHERE APPLICATION SRVR NETWORK DEPLOYMENT PROC ANNUAL SW MAINT RNWL	E1ALVLL		1995		36		71,820
Totals						374,326	149,724
Operating System Software							
Description	Part Number	Unit Price	Support Price	Unit Qty	Support Qty	Total Unit	Total Support
AIX 5.1 SPO	5692-A5L	N/C		1			
AIX 5L V5.2 BASE	5692-0947	N/C		1			
AIX 5L V5.2 EXPANSION PACK	5692-0949	N/C		1			
AIX 5L V5.2 UPDATE CD	5692-0965	N/C		1			
PERFORMANCE AIDE V3.1	5692-0971	N/C		1			
CMM	5692-0975	N/C		1			
MEDIA PROCESS CHARGE CD ROM	5692-1004	50		1		50	
ENGLISH - US U/L SBCS (ENU)	5692-2924	N/C		1			
CD-ROM ISO 9660 STANDARD	5692-3410	N/C		1			
PRELOAD (AUS FEATURE 5005)	5692-5005	N/C		1			
LNG PRELOAD ONLY 5924 ENGLISH	5692-5924	N/C		1			
BASE LICENSE ASSET REGISTRATIO	5692-9001	N/C		1			
AIX 5L FOR POWER V5.2	5765-E62	N/C		1			
AIX 5L FOR POWER V5.2 P/PROC	5765-0001	N/C		8			
PRELOAD (AUS FEATURE 5005)	5765-5005	N/C		1			
PERFORMANCE AIDE V3	5765-E62	N/C		1			
PER PROC. SW REG W/ 1 YR SWMA	5765-0005	159		8		1,272	
PERFORMANCE AIDE V3 SWM 3YR	5765-PDE	N/C			1		
PER PROC. SWMA 3 YR REG.	5765-0404		70		8		560
AIX SW SUPPORT 3YR	5765-SPT	N/C			1		
SUP P/PROC F5 SWSPT3YRGRN	5765-0278		1418		8		11,344
AIX SW SUB 3YR	5765-SUB	N/C			1		
AIX SW S P/PROC F5 SWSUB3YRGRN	5765-0290		540		8		4,320
SUSE LINUX ENTERPRISE SERVER 8 FOR X86 INSTALLATION KIT	SUSE QUOTE	99		1		99	
PREMIUM SUPPORT FOR SLES8 X86 FOR 3 YEARS	SUSE QUOTE		2418		9		21,762
MAINTENANCE PROGRAM FOR SLES8 X86 FOR 3 YEARS	SUSE QUOTE		1601		9		14,409
Totals						1,421	52,395
Software Subtotal						375,747	202,119
Totals						618,217	231,808
3 Year Cost of Ownership							\$850,025
TOPS@Multi-node							2,575.34
\$/TOPS@Multi-node							\$330.07

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