



CINT2000 Result

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Hewlett-Packard Company
ProLiant DL380 G4 (3.6GHz, Intel Xeon)

SPECint2000 = 1553
SPECint_base2000 = 1517

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Jul-2004 Hardware Avail: Aug-2004 Software Avail: Aug-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	118	1182	118	1183	
175.vpr	1400	143	978	138	1011	
176.gcc	1100	58.8	1870	58.8	1870	
181.mcf	1800	152	1183	152	1183	
186.crafty	1000	74.9	1335	74.9	1335	
197.parser	1800	132	1361	132	1362	
252.eon	1300	73.6	1766	61.6	2111	
253.perlbmk	1800	97.0	1855	94.2	1911	
254.gap	1100	59.6	1847	58.7	1875	
255.vortex	1900	70.0	2715	70.0	2715	
256.bzip2	1500	137	1093	133	1128	
300.twolf	3000	168	1781	170	1761	

Hardware

CPU: Intel Xeon (3.6GHz, 1MB L2, 800MHz bus)
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (HT Technology disabled)
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 16K micro-ops I + 16KBD on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4x512MB DDR2-400
Disk Subsystem: 1x18.2GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows Server 2003 Standard (Build 3790)
Compiler: Intel C++ Compiler 8.0 Build 20031211Z
Microsoft Visual Studio .NET 7.0.9466 (for libraries)
MicroQuill Smartheap Library 7.0
File System: NTFS
System State: Default

Notes/Tuning Information

+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
+FDO*: FDO (-QxP not used in PASS1 to enable cross-compilation)

Base tuning for C programs: -QxP -fast +FDO* shlw32M.lib

Base tuning for C++ programs: -QxP -fast -GX -GR

Portability flags:

176.gcc: -Dalloca=_alloca /F10000000

186.crafty: -DNT_i386

253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT

254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

Peak tuning:

164.gzip: -QxP -fast -Oa +FDO ONESTEP=yes

175.vpr: -QxP -fast +FDO ONESTEP=yes

176.gcc: basepeak = 1

181.mcf: -QxP -fast +FDO ONESTEP=yes shlw32M.lib

186.crafty: -QxP -fast -Oa +FDO ONESTEP=yes shlw32M.lib

197.parser: -QxP -fast +FDO ONESTEP=yes

252.eon: -QxP -O2 -Qipo +FDO*

253.perlbmk: -fast -Oa +FDO ONESTEP=yes shlw32M.lib

254.gap: -QxP -fast +FDO ONESTEP=yes

Standard Performance Evaluation Corporation

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http://www.spec.org



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Notes/Tuning Information (Continued)

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255.vortex: -QxP -fast +FDO ONESTEP=yes shlw32M.lib
256.bzip2: -fast -Oa -Qunroll1 +FDO ONESTEP=yes
300.twolf: -QxP -fast -O3 +FDO* shlw32M.lib
BIOS Configuration Notes
HT Technology disabled
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