



CINT2000 Result

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Hewlett-Packard Company
ProLiant DL580 G3 (3.0GHz, Dual-Core Intel(R) Xeon(R) processor)

SPECint_rate2000 = 30.8
SPECint_rate_base2000 = 30.6

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Oct-2005 Hardware Avail: Oct-2005 Software Avail: Sep-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	143	22.7	2	143	22.6
175.vpr	2	163	19.9	2	159	20.5
176.gcc	2	68.2	37.4	2	68.2	37.4
181.mcf	2	159	26.3	2	159	26.3
186.crafty	2	90.8	25.5	2	91.1	25.5
197.parser	2	154	27.2	2	153	27.3
252.eon	2	69.5	43.4	2	68.9	43.7
253.perlbnk	2	106	39.4	2	105	39.8
254.gap	2	79.8	32.0	2	79.0	32.3
255.vortex	2	85.2	51.7	2	85.3	51.6
256.bzip2	2	158	22.0	2	158	22.1
300.twolf	2	196	35.5	2	196	35.5

Hardware

CPU: Dual-Core Intel(R) Xeon(R) processor (3.0GHz, 2x2MB L2, 667MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2,4
Parallel: No
Primary Cache: 12K micro-ops I + 16KBD (on chip) per core
Secondary Cache: 2048KB(I+D) (on chip) per core
L3 Cache: N/A
Other Cache: N/A
Memory: 4x1024MB PC2-3200
Disk Subsystem: 1x72.8GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20050912Z)
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

Base tuning for C programs: -fast +FDO ONESTEP=yes shlw32M.lib

Base tuning for C++ programs: -fast -Qcxx_features +FDO ONESTEP=yes

Portability flags:

176.gcc: -Dalloca=_alloca /F10000000

186.crafty: -DNT_i386

253.perlbnk: -DSPEC_CPU2000_NTOS -DPERL DLL /MT

254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

Peak tuning:

164.gzip: -fast +FDO ONESTEP=yes

175.vpr: -fast +FDO ONESTEP=yes

176.gcc: basepeak = 1

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

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

197.parser: -fast +FDO ONESTEP=yes

252.eon: -fast +FDO

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

254.gap: -fast +FDO ONESTEP=yes

255.vortex: -fast +FDO ONESTEP=yes shlw32M.lib



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Notes/Tuning Information (Continued)

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256.bzip2: -fast -Oa -Qunroll11 +FDO ONESTEP=yes shlw32M.lib
300.twolf: -fast +FDO shlw32M.lib
BIOS Configuration Notes
Hyper-Threading Technology disabled
```