



CINT2000 Result

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Hewlett-Packard Company
ProLiant DL580 G3 (3.333GHz, Intel Xeon)

SPECint_rate2000 = 72.8
SPECint_rate_base2000 = 72.6

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	194	66.9	8	197	66.1
175.vpr	8	281	46.2	8	272	47.8
176.gcc	8	126	81.3	8	126	81.3
181.mcf	8	276	60.5	8	278	60.2
186.crafty	8	153	60.5	8	155	59.7
197.parser	8	230	72.7	8	229	72.8
252.eon	8	126	96.0	8	125	96.4
253.perlbnk	8	203	82.1	8	203	82.4
254.gap	8	144	70.8	8	142	71.8
255.vortex	8	150	117	8	150	118
256.bzip2	8	216	64.4	8	215	64.7
300.twolf	8	369	75.5	8	368	75.7

Hardware

CPU: Intel Xeon MP (3.333GHz, 1MB L2, 8MB L3, 667MHz bus)
CPU MHz: 3333
FPU: Integrated
CPU(s) enabled: 4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable: 1,2,4
Parallel: No
Primary Cache: 12K micro-ops I + 16KBD on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: 8192KB
Other Cache: N/A
Memory: 16x2048MB DDR2-400
Disk Subsystem: 1x36.4GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise (Build 3790)
Compiler: Intel C++ Compiler for 32-bit applications, Version 8.1 Build 20050524Z
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

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)

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