



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant DL380 G4 (2.8GHz, Intel dual-core Xeon)

SPECint_rate2000 = 33.2
SPECint_rate_base2000 = 32.9

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	227	28.7	4	226	28.8
175.vpr	4	304	21.3	4	290	22.4
176.gcc	4	115	44.3	4	115	44.3
181.mcf	4	342	24.4	4	346	24.2
186.crafty	4	193	24.1	4	191	24.3
197.parser	4	260	32.1	4	258	32.4
252.eon	4	151	39.9	4	152	39.6
253.perlbnk	4	236	35.4	4	234	35.7
254.gap	4	139	36.7	4	134	38.0
255.vortex	4	162	54.4	4	162	54.4
256.bzip2	4	237	29.4	4	237	29.3
300.twolf	4	361	38.6	4	360	38.7

Hardware

CPU: Intel dual-core Xeon (2.8GHz, 2x2MB L2, 800MHz bus)
 CPU MHz: 2800
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology enabled)
 CPU(s) orderable: 1,2
 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: 4x2048MB 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 20050624Z)
 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



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant DL380 G4 (2.8GHz, Intel dual-core Xeon)

SPECint_rate2000 = 33.2
SPECint_rate_base2000 = 32.9

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

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