



# CINT2000 Result

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Hewlett-Packard Company  
ProLiant DL580 G3 (3.66GHz, Intel Xeon)

SPECint\_rate2000 = 30.8  
SPECint\_rate\_base2000 = 30.5

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	2	118	27.5	2	118	27.5
175.vpr	2	192	16.9	2	184	17.6
176.gcc	2	69.1	36.9	2	69.1	36.9
181.mcf	2	289	14.5	2	288	14.5
186.crafty	2	75.4	30.8	2	75.4	30.8
197.parser	2	149	28.0	2	149	28.1
252.eon	2	57.5	52.4	2	57.1	52.8
253.perlbnk	2	94.1	44.4	2	92.4	45.2
254.gap	2	71.7	35.6	2	70.6	36.1
255.vortex	2	89.0	49.5	2	89.1	49.5
256.bzip2	2	186	18.7	2	185	18.8
300.twolf	2	173	40.2	2	174	40.0

### Hardware

CPU: Intel Xeon MP (3.66GHz, 1MB L2, 667MHz bus)  
 CPU MHz: 3666  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)  
 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: N/A  
 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 -DPERLDDL /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
```