



# CINT2000 Result

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Unisys Corporation  
ES3120L (3.4 GHz Xeon)

SPECint\_rate2000 = 31.1  
SPECint\_rate\_base2000 = 31.1

SPEC license #: 15 | Tested by: Unisys Corporation | Test date: Nov-2004 | Hardware Avail: Sep-2004 | Software Avail: Aug-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	126	25.8	2	127	25.6
175.vpr	2	172	18.9	2	167	19.4
176.gcc	2	65.8	38.8	2	65.8	38.8
181.mcf	2	245	17.0	2	245	17.0
186.crafy	2	79.7	29.1	2	80.0	29.0
197.parser	2	146	28.7	2	146	28.7
252.eon	2	64.5	46.8	2	64.6	46.7
253.perlbnk	2	103	40.4	2	104	40.2
254.gap	2	72.0	35.4	2	72.0	35.4
255.vortex	2	77.5	56.9	2	77.5	56.9
256.bzip2	2	167	20.9	2	166	20.9
300.twolf	2	183	38.0	2	183	38.0

### Hardware

CPU: Intel Xeon (800 MHz bus)  
CPU MHz: 3400  
FPU: Integrated  
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip(HT Technology disabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip  
Secondary Cache: 1024KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 2x1024MB DDR400  
Disk Subsystem: 1X36GB SCSI DISK(15K rpm)  
Other Hardware:

### Software

Operating System: MS Windows 2003 Server Standard Edition Build 3790  
Compiler: Intel C++ Compiler 8.1 Build 20040802Z  
Microsoft .Net Visual Studio build 7.0.9466  
SmartHeap Library Version 7.1  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast +FDO shlW32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -DNT_i386
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip: -fast -Qansi_alias -Oa +FDO
175.vpr: -fast -Qansi_alias +FDO
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafy: -fast -Qansi_alias -Oa +FDO
197.parser: -fast -Qansi_alias +FDO
252.eon: -fast +FDO
253.perlbnk: -fast -Qansi_alias +FDO shlW32M.lib
254.gap: basepeak=yes
255.vortex: basepeak=yes
256.bzip2: -fast -Oa -Qunroll1 +FDO
```



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## Notes/Tuning Information (Continued)

300.twolf: -fast -O3 +FDO shlw32M.lib