



CINT2000 Result

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Unisys
e-@ction Enterprise Server ES7000

SPECint_rate2000 = 30.0
SPECint_rate_base2000 = 29.8

SPEC license #: 15 Tested by: Unisys, Mission Viejo, CA Test date: May-2001 Hardware Avail: Sep-2001 Software Avail: Nov-2000

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	460	28.3	8	511	25.4
175.vpr	8	455	28.6	8	455	28.6
176.gcc	8	334	30.6	8	333	30.6
181.mcf	8	1108	15.1	8	1096	15.2
186.crafy	8	212	43.9	8	211	44.0
197.parser	8	624	26.8	8	628	26.6
252.eon	8	237	50.8	8	211	57.3
253.perlbnk	8	387	43.1	8	392	42.7
254.gap	8	1176	8.68	8	1177	8.67
255.vortex	8	442	39.9	8	438	40.2
256.bzip2	8	625	22.3	8	605	23.0
300.twolf	8	418	66.6	8	409	68.1

Hardware

CPU: Intel Pentium III Xeon
 CPU MHz: 900
 FPU: Integrated
 CPU(s) enabled: 8 cores, 8 chips, 1 core/chip
 CPU(s) orderable: 4, 8, 12, 16, 20, 24, 28, 32
 Parallel: No
 Primary Cache: 16KB(I)+16KB(D) on chip
 Secondary Cache: 2MB(I+D) on die per CPU
 L3 Cache: 16MB per 4 CPUs
 Other Cache: N/A
 Memory: 16GB
 Disk Subsystem: 20 x 17GB Striped Disk
 Other Hardware:

Software

Operating System: Windows 2000 Datacenter build 2195
 Compiler: Intel C/C++ Compiler 5.0 Build 001120
 Microsoft Visual C++ 6.0 (for libraries),
 MicroQuill SmartHeap Library 5.0
 File System: NTFS
 System State: Default

Notes/Tuning Information

FEEDBACK-DIRECTED OPTIMIZATION

+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

BASE TUNING

C SOURCE: -QxK -Qipo shlW32M.lib +FDO

C++ SOURCE: -QxK -Qipo -GX -GR

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: -QxK -Qipo +FDO shlW32M.lib

175.vpr: -QxK -Qipo +FDO shlW32M.lib

176.gcc: -QxK -Qipo +FDO shlW32M.lib

181.mcf: -QxK -Qipo +FDO shlW32M.lib

186.crafy: -QxK -Qipo +FDO shlW32M.lib

197.parser: -QxK -Qipo +FDO shlW32M.lib

252.eon: -QxK -Qipo +FDO

253.perlbnk: -QxK -Qipo +FDO shlW32M.lib

254.gap: -QxK -Qipo +FDO shlW32M.lib



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Notes/Tuning Information (Continued)

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255.vortex: -QxK -Qipo +FDO -Oa shlw32M.lib
256.bzip2:  -QxK -Qipo +FDO -Oa shlw32M.lib
300.twolf:  -QxK -Qipo +FDO -Oa shlw32M.lib
LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 5.0
             www.microquill.com
```