CINT2000 Result

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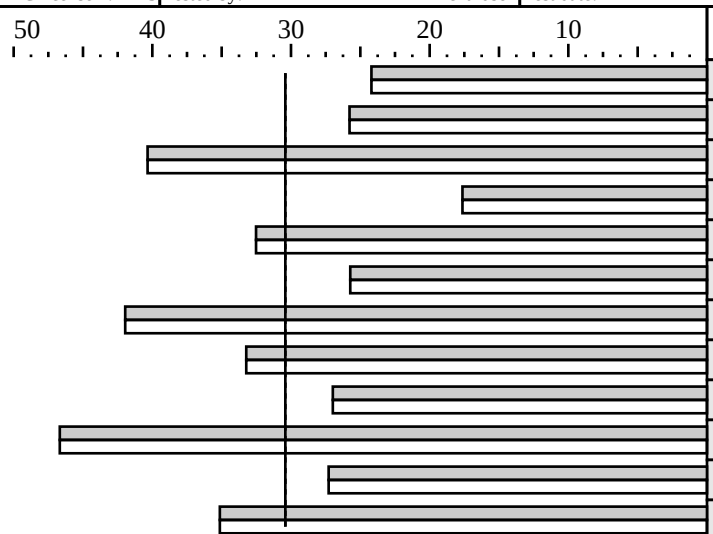
Hewlett-Packard Company
hp server rx5670 (900 MHz, Itanium 2)

SPECint_rate2000 = 30.4

SPECint_rate_base2000 = 30.4

SPEC license #: 3 | Tested by: HP Richardson | Test date: Aug-2002 | Hardware Avail: Sep-2002 | Software Avail: Oct-2002



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	268	24.2	4	268	24.2
175.vpr	4	252	25.8	4	252	25.8
176.gcc	4	127	40.3	4	127	40.3
181.mcf	4	474	17.6	4	474	17.6
186.crafty	4	143	32.5	4	143	32.5
197.parser	4	325	25.7	4	325	25.7
252.eon	4	144	42.0	4	144	42.0
253.perlbmk	4	251	33.2	4	251	33.2
254.gap	4	189	27.0	4	189	27.0
255.vortex	4	189	46.7	4	189	46.7
256.bzip2	4	255	27.3	4	255	27.3
300.twolf	4	396	35.1	4	396	35.1

Hardware

CPU:	Intel Itanium 2
CPU MHz:	900
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 1 core/chip
CPU(s) orderable:	1-4
Parallel:	no
Primary Cache:	16KBI + 16KBD (on chip) per CPU
Secondary Cache:	256KB (on chip) per CPU
L3 Cache:	1.5MB (on chip) per CPU
Other Cache:	N/A
Memory:	12GB (48 x 256MB dimms on 2 memory carriers)
Disk Subsystem:	1x73GB SCSI disk
Other Hardware:	N/A

Software

Operating System:	HPUX11i-TCOE B.11.22
Compiler:	HP C/ANSI C Compiler B.11.22
	HP aC++ Compiler B.11.22
	PHSS_27286: C product
	PHSS_27284: C++ product
	PHSS_27285: C++ library
	PHSS_27287: U2comp
	PHSS_27288: Linker
	PHSS_27291: PBO
	PHSS_27293: milli.a
	Caliper v2.1 www.hp.com/go/caliper
File System:	VxFS
System State:	Multi-user

Notes/Tuning Information

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Portability Flags:
176.gcc     : -DHOST_WORDS_BIG_ENDIAN
181.mcf     : -DWANT_STDC_PROTO
186.crafty  : -DHP
252.eon     : -I. -DFMAX_IS_DOUBLE -DNDEBUG
253.perlbmk : -DSPEC_CPU2000_HP
254.gap     : -DSPEC_CPU2000_HP -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO
              -DSYS_HAS_TIME_PROTO -DSYS_HAS_CALLOC_PROTO

Base Flags:
  all       : +Oprofile=collect/+Oprofile=use
  C         : +Ofaster -exec -Wl,-aarchive_shared
  C++       : +Ofaster +inline_level 2 -minshared

Peak flags same as baseline (basepeak=true set globally)
```

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Notes/Tuning Information (Continued)

```
Kernel Tunables:
  maxdsiz            0x7b03a000
  maxdsiz_64bit   0x04000000000
  maxssiz            0x10000000
  maxssiz_64bit      0x40000000
  vps_ceiling             16384
  vps_pagesize             4096
  swapmem_on                  0
  dbc_max_pct                20
  dbc_min_pct                20

Note:
  EFI shell utility 'cpuconfig' used
  to deconfigure other processors
```