CINT2000 Result

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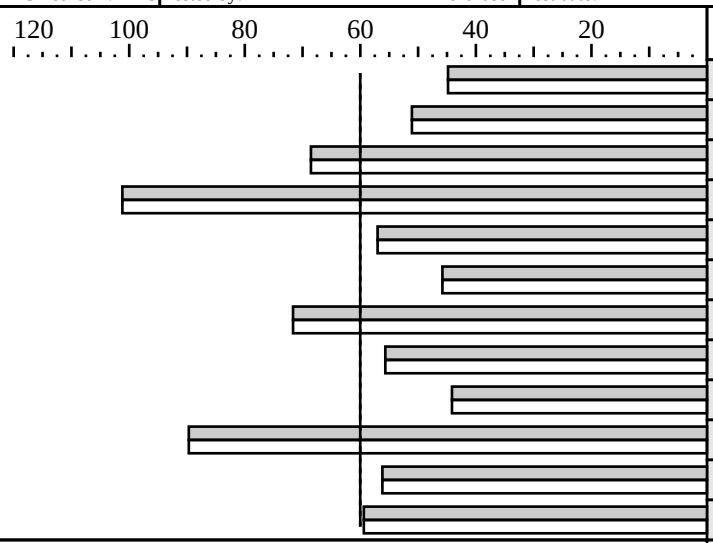
Hewlett-Packard Company

HP Integrity Server rx5670 (1500 MHz, Itanium 2)

SPECint_rate2000 = 60.0

SPECint_rate_base2000 = 60.0

SPEC license #: 3 | Tested by: HP Richardson | Test date: Jul-2003 | Hardware Avail: Sep-2003 | Software Avail: Sep-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	145	44.8	4	145	44.8
175.vpr	4	127	51.1	4	127	51.1
176.gcc	4	74.5	68.6	4	74.5	68.6
181.mcf	4	82.5	101	4	82.5	101
186.crafty	4	81.4	57.0	4	81.4	57.0
197.parser	4	182	45.8	4	182	45.8
252.eon	4	84.2	71.6	4	84.2	71.6
253.perlbmk	4	150	55.7	4	150	55.7
254.gap	4	116	44.1	4	116	44.1
255.vortex	4	98.3	89.7	4	98.3	89.7
256.bzip2	4	124	56.2	4	124	56.2
300.twolf	4	234	59.4	4	234	59.4

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1500
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:	6.0MB (on chip) per CPU
Other Cache:	N/A
Memory:	24GB (48 x 512MB DIMMs on 2 memory carriers)
Disk Subsystem:	1x36GB 15k RPM SCSI disk
Other Hardware:	N/A

Software

Operating System:	HPUX11i-TCOE B.11.23
Compiler:	HP C/ANSI C Compiler B.11.23
	HP aC++ Compiler B.11.23
File System:	vxfs
System State:	Multi-user

Notes/Tuning Information

```
Portability Flags
176.gcc     : -DHOST_WORDS_BIG_ENDIAN
181.mcf     : -DWANT_STDC_PROTO
186.crafty  : -DHP
252.eon     : -I. -DFMAX_IS_DOUBLE -DNDEBUG
              -DSPEC_CPU2000_LP64 (because of 64-bit compile)
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:all/+Oprofile=use
  C         : +Ofaster -exec +Odatalayout
  C++       : +Ofaster +inline_level 2 -minshared +DD64

Peak Flags
  same as baseline (basepeak=true set globally)


Kernel Tunables:
```

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Notes/Tuning Information (Continued)

```
    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 processors if necessary
```