CINT2000 Result

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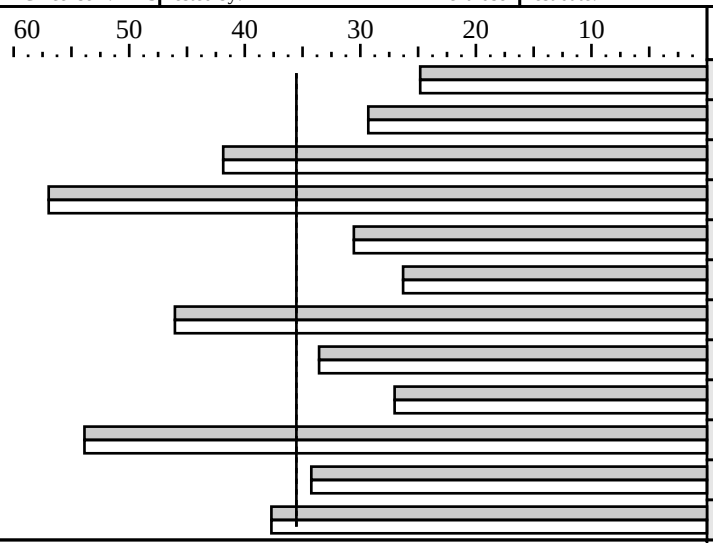
Hewlett-Packard Company

HP Integrity rx2620-2 (1.6GHz/6MB Itanium 2)

SPECint_rate2000 = 35.5

SPECint_rate_base2000 = 35.5

SPEC license #: 3 | Tested by: HP Richardson | Test date: Dec-2004 | Hardware Avail: Dec-2004 | Software Avail: Jan-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	131	24.8	2	131	24.8
175.vpr	2	111	29.3	2	111	29.3
176.gcc	2	61.0	41.9	2	61.0	41.9
181.mcf	2	73.3	57.0	2	73.3	57.0
186.crafty	2	75.9	30.6	2	75.9	30.6
197.parser	2	159	26.3	2	159	26.3
252.eon	2	65.5	46.0	2	65.5	46.0
253.perlbmk	2	124	33.6	2	124	33.6
254.gap	2	94.4	27.0	2	94.4	27.0
255.vortex	2	81.8	53.9	2	81.8	53.9
256.bzip2	2	102	34.2	2	102	34.2
300.twolf	2	185	37.7	2	185	37.7

Hardware

CPU:	Intel Itanium 2 (1.6GHz/6MB, 400MHz FSB)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	1,2
Parallel:	no
Primary Cache:	16KBI + 16KBD on chip, per core
Secondary Cache:	256KB (I+D) on chip, per core
L3 Cache:	6.0MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	24GB (12x2GB DIMMs)
Disk Subsystem:	1x146GB 15K SCSI
Other Hardware:	N/A

Software

Operating System:	HPUX11i-TCOE B.11.23.0409
Compiler:	HP C/ANSI C Compiler C.06.00 HP aC++ Compiler C.06.00
File System:	vxfs
System State:	Multi-user

Notes/Tuning Information

```
Portability Flags
176.gcc     : -DHOST_WORDS_BIG_ENDIAN
186.crafty  : -DHP
252.eon     : -DFMAX_IS_DOUBLE
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 +Otype_safety=ansi
  C++       : +Ofaster +Otype_safety=ansi

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

Kernel Tunables:
  dbc_max_pct=20
  dbc_min_pct=20
  maxdsiz=3221225472
```

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Notes/Tuning Information (Continued)

```
  maxssiz=401604608
  maxdsiz_64bit=4396972761584
  maxssiz_64bit=1073741824
  vps_pagesize=4096
  vps_ceiling=16384

Notes:

The system under test had the HP-UX 11i v2 (version 11.23.0409,
  September, 2004) Technical Computing Operating Environment and
  AR1204 compilers installed, along with the following patches:

  PHSS_31849 linker + fdp cumulative patch
  PHSS_31850 assembler patch
  PHSS_31851 Integrity Unwind Library
  PHSS_31852 aC++ Runtime (IA: A.05.60, PA A.03.60)
  PHSS_31853 Math Library Cumulative Patch
  PHSS_31854 milli cumulative patch

EFI command "cpuconfig" used prior to booting to
  deconfigure other processors if necessary
```