CINT2000 Result

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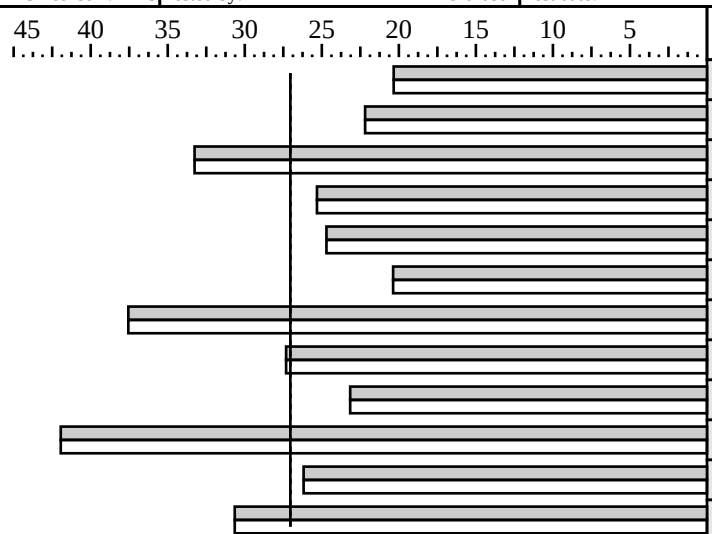
Hewlett-Packard Company

HP Integrity rx1620-2 (1.3GHz/3MB Itanium 2)

SPECint_rate2000 = 27.0

SPECint_rate_base2000 = 27.0

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	160	20.3	2	160	20.3
175.vpr	2	146	22.2	2	146	22.2
176.gcc	2	76.7	33.3	2	76.7	33.3
181.mcf	2	165	25.3	2	165	25.3
186.crafty	2	93.9	24.7	2	93.9	24.7
197.parser	2	205	20.4	2	205	20.4
252.eon	2	80.3	37.6	2	80.3	37.6
253.perlbmk	2	153	27.3	2	153	27.3
254.gap	2	110	23.2	2	110	23.2
255.vortex	2	105	41.9	2	105	41.9
256.bzip2	2	133	26.2	2	133	26.2
300.twolf	2	227	30.7	2	227	30.7

Hardware

CPU:	Intel Itanium 2 (1.3GHz/3MB, 400MHz FSB)
CPU MHz:	1300
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 CPU
Secondary Cache:	256KB (on chip) per CPU
L3 Cache:	3.0MB (on chip) per CPU
Other Cache:	N/A
Memory:	16GB (8x2GB DIMMs)
Disk Subsystem:	1x36GB 15K rpm 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
```