CINT2000 Result

Hewlett-Packard Company

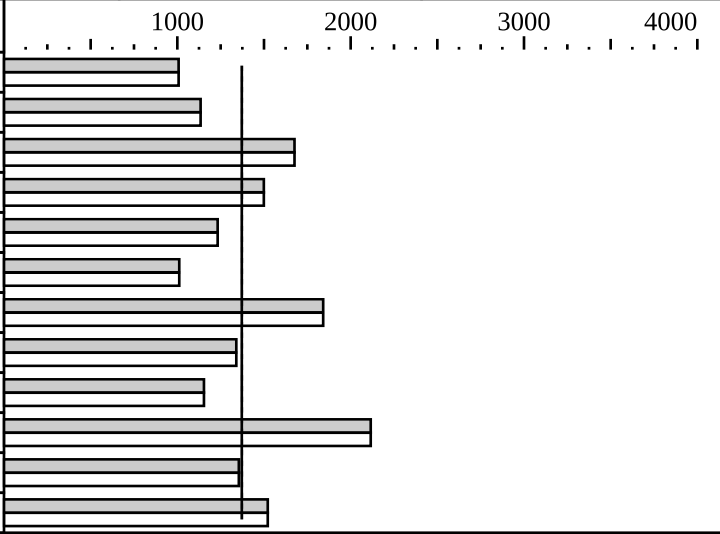
HP Integrity rx4640-8 (1.5GHz/4MB Itanium 2)

SPECint2000 = 1372

SPECint_base2000 = 1372

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	139	1007	139	1007
175.vpr	1400	123	1134	123	1134
176.gcc	1100	65.6	1676	65.6	1676
181.mcf	1800	120	1499	120	1499
186.crafty	1000	81.1	1233	81.1	1233
197.parser	1800	178	1011	178	1011
252.eon	1300	70.6	1841	70.6	1841
253.perlbmk	1800	134	1340	134	1340
254.gap	1100	95.4	1154	95.4	1154
255.vortex	1900	89.8	2116	89.8	2116
256.bzip2	1500	111	1355	111	1355
300.twolf	3000	197	1522	197	1522



Hardware

CPU:	Intel Itanium 2
CPU MHz:	1500
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-4
Parallel:	no
Primary Cache:	16KBI + 16KBD on chip, per core
Secondary Cache:	256KB (I+D) on chip, per core
L3 Cache:	4.0MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	32GB (16x2GB DIMMs)
Disk Subsystem:	1x36GB 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
```

Notes/Tuning Information (Continued)

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  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
```