



CINT2000 Result

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Hewlett-Packard Company
hp server rx4610

SPECint2000 = --
SPECint_base2000 = 379

SPEC license #: 3 Tested by: HP Richardson Test date: Aug-2001 Hardware Avail: Jun-2001 Software Avail: Aug-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	435	322			
175.vpr	1400	348	402			
176.gcc	1100	257	428			
181.mcf	1800	297	605			
186.crafty	1000	280	357			
197.parser	1800	569	316			
252.eon	1300	351	370			
253.perlbnk	1800	563	320			
254.gap	1100	427	258			
255.vortex	1900	403	472			
256.bzip2	1500	414	362			
300.twolf	3000	667	450			

Hardware

CPU: Intel Itanium
 CPU MHz: 800
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 2 to 4
 Parallel: No
 Primary Cache: 16KBI + 16KBD (on die)
 Secondary Cache: 96KB (on die)
 L3 Cache: 4MB (off die, on CPU package)
 Other Cache: None
 Memory: 8GB (32x256MB DIMMs)
 Disk Subsystem: 1x36 GB SCSI
 Other Hardware: None

Software

Operating System: HP-UX 11.20
 Compiler: HP C/ANSI B.11.20
 HP aC++ Compiler C.05.03
 PHSS_24461 - LIBCL general patch
 PHSS_24463 - Aries cumulative patch
 PHSS_24464 - Assembler cumulative patch
 PHSS_24465 - SIN cumulative library Patch
 PHSS_24466 - SIN product patch
 PHSS_24467 - u2comp product patch
 PHSS_24468 - libm cumulative patch
 PHSS_24469 - aCC library patch
 PHSS_24470 - aCC product patch
 PHSS_24471 - C dev cumulative patch
 PHSS_24472 - C-TOOLS cumulative patch
 PHSS_24513 - linker cumulative patch
 PHSS_24648 - unwind cumulative patch

File System: VxFS
 System State: Multi-user

Notes/Tuning Information

Portability Flags:

```
175.vpr      : -DSPEC_CPU2000
176.gcc      : -DHOST_WORDS_BIG_ENDIAN
181.mcf      : -DWANT_STDC_PROTO
186.crafty   : -DHP -DSPEC_CPU2000
197.parser   : -DSPEC_CPU2000
252.eon      : -I. -DFMAX_IS_DOUBLE -DNDEBUG srcalt=stdcpp
253.perlbnk  : -DSPEC_CPU2000_HP
254.gap      : -DSPEC_CPU2000_HP -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO
              -DSYS_HAS_TIME_PROTO -DSYS_HAS_CALLOC_PROTO
300.twolf    : -DSPEC_CPU2000
```

Base Flags:

```
C           : +I/+P +Ofaster -exec -Wl,-aarchive_shared
C++        : +I/+P +Ofaster +inline_level 2
```

Kernel Tunables:

Standard Performance Evaluation Corporation
 info@spec.org
 http://www.spec.org



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Notes/Tuning Information (Continued)

```
maxdsiz          0x7b03a000
maxdsiz_64bit    0x0400000000
maxssiz          0X10000000
maxssiz_64bit    0x40000000
vps_ceiling      16384
vps_pagesize     4096
swapmem_on       0
dbc_max_pct      2
dbc_min_pct      2
```

One processor booted (boot vmunix -P1).