



CINT2000 Result

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Hewlett-Packard Company
hp server rx5670 (900 MHz, Itanium 2)

SPECint2000 = 673
SPECint_base2000 = 673

SPEC license #: 3 Tested by: HP Richardson Test date: Aug-2002 Hardware Avail: Sep-2002 Software Avail: Oct-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	265	528	265	528	
175.vpr	1400	245	572	245	572	
176.gcc	1100	124	890	124	890	
181.mcf	1800	403	447	403	447	
186.crafty	1000	143	700	143	700	
197.parser	1800	322	559	322	559	
252.eon	1300	144	902	144	902	
253.perlbnk	1800	252	715	252	715	
254.gap	1100	178	617	178	617	
255.vortex	1900	187	1016	187	1016	
256.bzip2	1500	249	603	249	603	
300.twolf	3000	397	755	397	755	

Hardware

CPU: Intel Itanium 2
 CPU MHz: 900
 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 CPU
 Secondary Cache: 256KB (on chip) per CPU
 L3 Cache: 1.5MB (on chip) per CPU
 Other Cache: N/A
 Memory: 12GB (48 x 256MB dimms on 2 memory carriers)
 Disk Subsystem: 1x73GB SCSI disk
 Other Hardware: N/A

Software

Operating System: HPUX11i-TCOE B.11.22
 Compiler: HP C/ANSI C Compiler B.11.22
 HP aC++ Compiler B.11.22

PHSS_27286: C product
 PHSS_27284: C++ product
 PHSS_27285: C++ library
 PHSS_27287: U2comp
 PHSS_27288: Linker
 PHSS_27291: PBO
 PHSS_27293: milli.a
 Caliper v2.1 www.hp.com/go/caliper

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
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
```

Base Flags:

```
all         : +Oprofile=collect/+Oprofile=use
C           : +Ofaster -exec -Wl,-aarchive_shared
C++        : +Ofaster +inline_level 2 -minshared
```

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



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Notes/Tuning Information (Continued)

Kernel Tunables:

```
maxdsiz          0x7b03a000
maxdsiz_64bit    0x0400000000
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 other processors