CINT2000 Result

Hewlett-Packard Company
HP Integrity Server rx2600 (1500 MHz, Itanium 2)

SPECint2000 = 1322
SPECint_base2000 = 1322

Hewlett-Packard Company
HP Integrity Server rx2600 (1500 MHz, Itanium 2)

SPEC license #: 3  Tested by: HP Richardson  Test date: Jul-2003
Hardware Avail: Sep-2003  Software Avail: Sep-2003

<table>
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<tr>
<th>Benchmark</th>
<th>Reference Time</th>
<th>Base Runtime</th>
<th>Base Ratio</th>
<th>Runtime</th>
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<td>164.gzip</td>
<td>1400</td>
<td>144</td>
<td>973</td>
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<tr>
<td>175.vpr</td>
<td>1400</td>
<td>125</td>
<td>1119</td>
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<tr>
<td>176.gcc</td>
<td>1100</td>
<td>70.8</td>
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<td>181.mcf</td>
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<td>186.crafty</td>
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<td>197.parser</td>
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<tr>
<td>252.eon</td>
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<td>84.0</td>
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<tr>
<td>253.perlbmk</td>
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<td>254.gap</td>
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<tr>
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<td>3000</td>
<td>234</td>
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</tr>
</tbody>
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Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|----------|----------------|--------------|------------|---------|-------|

164.gzip
175.vpr
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186.crafty
197.parser
252.eon
253.perlbmk
254.gap
255.vortex
256.bzip2
300.twolf

CPU: Intel Itanium 2
CPU MHz: 1500
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 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: 6.0MB (on chip) per CPU
Other Cache: N/A
Memory: 12GB (12 * 1GB DIMMs)
Disk Subsystem: 1x36GB 10k RPM SCSI disk
Other Hardware: N/A

Operating System: HPUX11i-TCOE B.11.23
Compiler: HP C/ANSI C Compiler B.11.23
HP aC++ Compiler B.11.23
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
           -DSPEC_CPU2000_LP64 (because of 64-bit compile)
253.perlbmk : -DSPEC_CPU2000_HP
254.gap : -DSPEC_CPU2000_HP -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO
           -DSYS_HAS_TIME_PROTO -DSYS_HAS_MALLOC_PROTO

Base Flags
all : +Oprofile=collect:all/+Oprofile=use
C  : +Ofaster -exec +Datalayout
C++ : +Ofaster +inline_level 2 -minshared +DD64

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

Kernel Tunables:
Hewlett-Packard Company
HP Integrity Server rx2600 (1500 MHz, Itanium 2)

SPECint2000 = 1322
SPECint_base2000 = 1322

Notes/Tuning Information (Continued)

maxdsiz            0x7b03a000
maxdsiz_64bit   0x04000000000
maxssiz            0x10000000
maxssiz_64bit      0x40000000
vps_ceiling             16384
vpspagesize             4096
swapmem_on                  0
dbc_max_pct              20
dbc_min_pct              20

Note:
EFI shell utility 'cpuconfig' used
to deconfigure processors if necessary