**SPEC® OMPG2012 Result**

**HP**

(Test Sponsor: Indiana University)

HP Proliant DL580 G7 Server Series, Intel Xeon L7555, 1.87 GHz

SPECompG_peak2012 = Not Run

SPECompG_base2012 = 4.72

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**Hardware**

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SPECompG_base2012 = 4.72

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**Software**

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<th>Operating System:</th>
<th>RHEL6.3 (x86_64) 2.6.32-279.5.2.el6</th>
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<td>File System:</td>
<td>NFSv3 (IBM N5500 NAS) over Gb ethernet</td>
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<td>System State:</td>
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<td>Base Pointers:</td>
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<tr>
<td>Peak Pointers:</td>
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<td>Other Software:</td>
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**CPU Name:** Intel Xeon L7555

**CPU Characteristics:** Intel Turbo Boost Technology up to 2.533GHz, Hyper-Threading off

**CPU MHz:** 1866

**CPU MHz Maximum:** 2533

**FPU:** Integrated

**CPU(s) enabled:** 32 cores, 4 chips, 8 cores/chip

**CPU(s) orderable:** 1-4 chips

**Primary Cache:** 32 KB I + 32 KB D on chip per core

**Secondary Cache:** 256 KB I+D on chip per core

**L3 Cache:** 24 MB I+D on chip per core, 24 MB shared / 8 cores

**Other Cache:** None

**Memory:** 512 GB (64 x 8 GB 2Rx4 PC3-10600R-9, ECC)

**Disk Subsystem:** Two 500 GB 7200 RPM 2.5" SAS hard drives, in RAID 1 mirror

**Other Hardware:** None

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Continued on next page
SPEC OMPG2012 Result

HP
(Test Sponsor: Indiana University)
HP Proliant DL580 G7 Server Series, Intel Xeon
L7555, 1.87 GHz

SPECompG_peak2012 = Not Run
SPECompG_base2012 = 4.72

OMP2012 license: 3440A
Test sponsor: Indiana University
Tested by: Indiana University
Base Threads Run: 32
Minimum Peak Threads: --
Maximum Peak Threads: --

Results Table

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Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

Platform Notes

Sysinfo program /N/soft/mason/omp2012-021/Docs/sysinfo
$Rev: 395 $ $Date:: 2012-07-25 #$ 8f8c0fe9e19c658963a1e67685e50647

This section contains SUT (System Under Test) info as seen by some common utilities. To remove or add to this section, see:
http://www.spec.org/omp2012/Docs/config.html#sysinfo

From /proc/cpuinfo

model name : Intel(R) Xeon(R) CPU L7555 @ 1.87GHz
4 "physical id"s (chips)
32 "processors"
cores, siblings (Caution: counting these is hw and system dependent. The following excerpts from /proc/cpuinfo might not be reliable. Use with caution.)
cpu cores : 8
siblings : 8
physical 0: cores 0 1 2 3 8 9 10 11
physical 1: cores 0 1 2 3 8 9 10 11
physical 2: cores 0 1 2 3 8 9 10 11
physical 3: cores 0 1 2 3 8 9 10 11

Continued on next page
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SPECompG_peak2012 = Not Run
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OMP2012 license: 3440A
Test sponsor: Indiana University
Tested by: Indiana University

Platform Notes (Continued)

cache size : 24576 KB

From /proc/meminfo
MemTotal: 529427940 kB
HugePages_Total: 0
Hugepagesize: 2048 kB

From /etc/*release* /etc/*version*
redhat-release: Red Hat Enterprise Linux Server release 6.3 (Santiago)
system-release: Red Hat Enterprise Linux Server release 6.3 (Santiago)

uname -a:
Linux c13 2.6.32-279.9.1.el6.x86_64 #1 SMP Fri Aug 31 09:04:24 EDT 2012
x86_64 x86_64 x86_64 GNU/Linux
run-level 3 Oct 2 14:02

SPEC is set to: /N/soft/mason/omp2012-021

Filesystem    Type Size Used Avail Use% Mounted on
bl-nas2:/vol/soft
nfs 1.2T 791G 410G 66% /N/soft

Cannot run dmidecode; consider saying 'chmod +s /usr/sbin/dmidecode'

(End of data from sysinfo program)

General Notes

Environment:
KMP_AFFINITY=disabled
KMP_SCHEDULE=static,balanced
KMP_BLOCKTIME=infinite
KMP_LIBRARY=throughput
KMP_STACKSIZE=31m
OMP_NESTED=FALSE
OMP_DYNAMIC=FALSE
OMP_NUM_THREADS=32

Base Compiler Invocation

C benchmarks:
icc

C++ benchmarks:
icpc

Fortran benchmarks:
ifort
HP
(Test Sponsor: Indiana University)
HP Proliant DL580 G7 Server Series, Intel Xeon
L7555, 1.87 GHz

SPECompG_peak2012 = Not Run
SPECompG_base2012 = 4.72

OMP2012 license: 3440A
Test sponsor: Indiana University
Tested by: Indiana University

Base Portability Flags

350.md: -free
367.imagick: -std=c99

Base Optimization Flags

C benchmarks:
-03 -xSSE4.2 -ansi-alias -no-prec-div -openmp -shared-intel
-mcmodel=medium -ipo

C++ benchmarks:
-03 -xSSE4.2 -ansi-alias -no-prec-div -openmp -shared-intel
-mcmodel=medium -ipo

Fortran benchmarks:
-03 -xSSE4.2 -no-prec-div -openmp -shared-intel -mcmodel=medium
-ipo

The flags file that was used to format this result can be browsed at
http://www.spec.org/omp2012/flags/Intel-ic13.0-linux64.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/omp2012/flags/Intel-ic13.0-linux64.xml

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For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

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