### Dell Inc.
PowerEdge R940
(Intel Xeon Platinum 8168, 2.70 GHz)

<table>
<thead>
<tr>
<th>Software Availability: Sep-2017</th>
<th>Software Availability: Sep-2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECspeed2017_fp_peak = 183</td>
<td>SPECspeed2017_fp_base = 183</td>
</tr>
</tbody>
</table>

#### Hardware

<table>
<thead>
<tr>
<th>Threads</th>
<th>603.bwaves_s 96</th>
<th>607.cactuBSSN_s 96</th>
<th>619.lbm_s 96</th>
<th>621.wrf_s 96</th>
<th>627.cam4_s 96</th>
<th>628.pop2_s 96</th>
<th>638.imagick_s 96</th>
<th>644.nab_s 96</th>
<th>649.fotonik3d_s 96</th>
<th>654.roms_s 96</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>40 0</td>
<td>80 0</td>
<td>120</td>
<td>160</td>
<td>200</td>
<td>240</td>
<td>280</td>
<td>320</td>
<td>360</td>
<td>400</td>
</tr>
<tr>
<td>SPECspeed2017_fp_base (183)</td>
<td>SPECspeed2017_fp_peak (183)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Software

<table>
<thead>
<tr>
<th>OS</th>
<th>SUSE Linux Enterprise Server 12 SP2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compiler</td>
<td>C/C++: Version 18.0.0.128 of Intel C/C++</td>
</tr>
<tr>
<td>Compiler for Linux</td>
<td>Fortran: Version 18.0.0.128 of Intel Fortran</td>
</tr>
<tr>
<td>Firmware</td>
<td>Version 1.1.7 released Aug-2017</td>
</tr>
<tr>
<td>File System</td>
<td>xfs</td>
</tr>
<tr>
<td>System State</td>
<td>Run level 3 (multi-user)</td>
</tr>
<tr>
<td>Base Pointers</td>
<td>64-bit</td>
</tr>
<tr>
<td>Peak Pointers</td>
<td>64-bit</td>
</tr>
<tr>
<td>Other</td>
<td>None</td>
</tr>
</tbody>
</table>

#### CPU2017 License: 55
Test Sponsor: Dell Inc.
Tested by: Dell Inc.
Test Date: Oct-2017
Hardware Availability: Jul-2017
Software Availability: Sep-2017

### Hardware

<table>
<thead>
<tr>
<th>CPU Name</th>
<th>Intel Xeon Platinum 8168</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max MHz.</td>
<td>3700</td>
</tr>
<tr>
<td>Nominal</td>
<td>2700</td>
</tr>
<tr>
<td>Enabled</td>
<td>96 cores, 4 chips</td>
</tr>
<tr>
<td>Orderable</td>
<td>2,4 chip</td>
</tr>
<tr>
<td>Cache L1</td>
<td>32 KB I + 32 KB D on chip per core</td>
</tr>
<tr>
<td>L2</td>
<td>1 MB I+D on chip per core</td>
</tr>
<tr>
<td>L3</td>
<td>33 MB I+D on chip per chip</td>
</tr>
<tr>
<td>Other</td>
<td>None</td>
</tr>
<tr>
<td>Memory</td>
<td>768 GB (48 x 16 GB 2Rx8 PC4-2666V-R)</td>
</tr>
<tr>
<td>Storage</td>
<td>1 x 900 GB 15K RPM SAS12</td>
</tr>
<tr>
<td>Other</td>
<td>None</td>
</tr>
</tbody>
</table>

### Software

<table>
<thead>
<tr>
<th>OS:</th>
<th>SUSE Linux Enterprise Server 12 SP2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compiler:</td>
<td>C/C++: Version 18.0.0.128 of Intel C/C++</td>
</tr>
<tr>
<td>Compiler for Linux:</td>
<td>Fortran: Version 18.0.0.128 of Intel Fortran</td>
</tr>
<tr>
<td>Firmware:</td>
<td>Version 1.1.7 released Aug-2017</td>
</tr>
<tr>
<td>File System:</td>
<td>xfs</td>
</tr>
<tr>
<td>System State:</td>
<td>Run level 3 (multi-user)</td>
</tr>
<tr>
<td>Base Pointers:</td>
<td>64-bit</td>
</tr>
<tr>
<td>Peak Pointers:</td>
<td>64-bit</td>
</tr>
<tr>
<td>Other:</td>
<td>None</td>
</tr>
</tbody>
</table>
SPEC CPU2017 Floating Point Speed Result

Dell Inc.
PowerEdge R940
(Intel Xeon Platinum 8168, 2.70 GHz)

SPECspeed2017_fp_base = 183
SPECspeed2017_fp_peak = 183

Results Table

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Threads</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>603.bwaves_s</td>
<td>96</td>
<td>68.5</td>
<td>862</td>
<td>69.1</td>
<td>854</td>
<td>68.9</td>
<td>856</td>
</tr>
<tr>
<td>607.cactuBSSN_s</td>
<td>96</td>
<td>69.2</td>
<td>241</td>
<td>70.7</td>
<td>236</td>
<td>69.8</td>
<td>239</td>
</tr>
<tr>
<td>619.ibm_s</td>
<td>96</td>
<td>69.6</td>
<td>75.2</td>
<td>64.2</td>
<td>81.6</td>
<td>66.0</td>
<td>79.3</td>
</tr>
<tr>
<td>621.wrf_s</td>
<td>96</td>
<td>159</td>
<td>83.1</td>
<td>163</td>
<td>80.9</td>
<td>162</td>
<td>81.7</td>
</tr>
<tr>
<td>627.cam4_s</td>
<td>96</td>
<td>55.1</td>
<td>161</td>
<td>55.1</td>
<td>161</td>
<td>55.6</td>
<td>159</td>
</tr>
<tr>
<td>628.pop2_s</td>
<td>96</td>
<td>196</td>
<td>60.5</td>
<td>193</td>
<td>61.6</td>
<td>186</td>
<td>63.9</td>
</tr>
<tr>
<td>638.imagick_s</td>
<td>96</td>
<td>60.3</td>
<td>239</td>
<td>60.2</td>
<td>239</td>
<td>61.4</td>
<td>235</td>
</tr>
<tr>
<td>644.nab_s</td>
<td>96</td>
<td>39.6</td>
<td>441</td>
<td>39.0</td>
<td>448</td>
<td>39.1</td>
<td>447</td>
</tr>
<tr>
<td>649.fotonik3d_s</td>
<td>96</td>
<td>79.3</td>
<td>115</td>
<td>86.1</td>
<td>106</td>
<td>79.0</td>
<td>115</td>
</tr>
<tr>
<td>654.roms_s</td>
<td>96</td>
<td>60.2</td>
<td>262</td>
<td>61.9</td>
<td>254</td>
<td>57.4</td>
<td>274</td>
</tr>
</tbody>
</table>

Operating System Notes

Stack size set to unlimited using "ulimit -s unlimited"

General Notes

Environment variables set by runcpu before the start of the run:
KMP_AFFINITY = "granularity=fine,compact"
LD_LIBRARY_PATH = "/home/cpu2017/lib/ia32:/home/cpu2017/lib/intel64:/home/cpu2017/je5.0.1-32:/home/cpu2017/je5.0.1-64"
OMP_STACKSIZE = "192M"

Binaries compiled on a system with 1x Intel Core i7-4790 CPU + 32GB RAM
memory using Redhat Enterprise Linux 7.4
Transparent Huge Pages enabled by default
Prior to runcpu invocation
Filesystem page cache synced and cleared with:
  sync; echo 3> /proc/sys/vm/drop_caches

Platform Notes

BIOS settings:
Logical Processor Disabled
Virtualization Technology Disabled
Sub NUMA Cluster Disabled
System Profile set to Custom
CPU Performance set to Maximum Performance
C1E Disabled
C States set to Autonomous
Uncore Frequency set to Dynamic

(Continued on next page)
Dell Inc.
PowerEdge R940
(Intel Xeon Platinum 8168, 2.70 GHz)

**SPEC CPU2017 Floating Point Speed Result**

**SPECspeed2017_fp_base = 183**

**SPECspeed2017_fp_peak = 183**

---

**Platform Notes (Continued)**

Memory Patrol Scrub Disabled
Energy Efficiency Policy set to Performance
CPU Interconnect Bus Link Power Management Disabled
PCI ASPM L1 Link Power Management Disabled
Sysinfo program /home/cpu2017/bin/sysinfo
Rev: r5797 of 2017-06-14 96c45e4568ad54c135fd618bccc091c0f
running on linux-4qdv Sun Oct 15 06:05:09 2017

SUT (System Under Test) info as seen by some common utilities.
For more information on this section, see
https://www.spec.org/cpu2017/Docs/config.html#sysinfo

From /proc/cpuinfo
model name : Intel(R) Xeon(R) Platinum 8168 CPU @ 2.70GHz
  4 "physical id"s (chips)
  96 "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 : 24
siblings : 24
physical 0: cores 0 1 2 3 4 5 8 9 10 11 12 13 16 17 18 19 20 21 24 25 26 27 28 29
physical 1: cores 0 1 2 3 4 5 8 9 10 11 12 13 16 17 18 19 20 21 24 25 26 27 28 29
physical 2: cores 0 1 2 3 4 5 8 9 10 11 12 13 16 17 18 19 20 21 24 25 26 27 28 29
physical 3: cores 0 1 2 3 4 5 8 9 10 11 12 13 16 17 18 19 20 21 24 25 26 27 28 29

From lscpu:
Architecture: x86_64
CPU op-mode(s): 32-bit, 64-bit
Byte Order: Little Endian
CPU(s): 96
On-line CPU(s) list: 0-95
Thread(s) per core: 1
Core(s) per socket: 24
Socket(s): 4
NUMA node(s): 4
Vendor ID: GenuineIntel
CPU family: 6
Model: 85
Model name: Intel(R) Xeon(R) Platinum 8168 CPU @ 2.70GHz
Stepping: 4
CPU MHz: 2693.678
BogoMIPS: 5387.35
Virtualization: VT-x
L1d cache: 32K
L1i cache: 32K
L2 cache: 1024K
L3 cache: 33792K

(Continued on next page)
spec

SPEC CPU2017 Floating Point Speed Result
Copyright 2017-2018 Standard Performance Evaluation Corporation

Dell Inc.
PowerEdge R940
(Intel Xeon Platinum 8168, 2.70 GHz)

<table>
<thead>
<tr>
<th>SPECspeed2017_fp_base</th>
<th>183</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECspeed2017_fp_peak</td>
<td>183</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CPU2017 License:</th>
<th>55</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Sponsor:</td>
<td>Dell Inc.</td>
</tr>
<tr>
<td>Tested by:</td>
<td>Dell Inc.</td>
</tr>
<tr>
<td>Test Date:</td>
<td>Oct-2017</td>
</tr>
<tr>
<td>Hardware Availability:</td>
<td>Jul-2017</td>
</tr>
<tr>
<td>Software Availability:</td>
<td>Sep-2017</td>
</tr>
</tbody>
</table>

Platform Notes (Continued)

NUMA node0 CPU(s):
0,4,8,12,16,20,24,28,32,36,40,44,48,52,56,60,64,68,72,76,80,84,88,92
NUMA node1 CPU(s):
1,5,9,13,17,21,25,29,33,37,41,45,49,53,57,61,65,69,73,77,81,85,89,93
NUMA node2 CPU(s):
2,6,10,14,18,22,26,30,34,38,42,46,50,54,58,62,66,70,74,78,82,86,90,94
NUMA node3 CPU(s):

Flags:                 fpu vme de pse tsc msr pae mca cmov
                        pat pse36 clflush dt sse4_1 f16c rdrand lahf_lm abm 3dnowprefetch ida arat epb pln pts dtherm intel_pt
                        tpr_shadow vnmi flexpriority ept vpid fsgsb base ts_adjust bm1 hle avx2 smep bmi2
                        erms invpcid rtm cmp px avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd
                        avx512bw avx512vl xsaveopt xsavec xgetbv1 cqm_11c cqm_occup_llc

/proc/cpuinfo cache data
  cache size : 33792 KB

From numactl --hardware WARNING: a numactl 'node' might or might not correspond to a
physical chip.
  available: 4 nodes (0-3)
  node 0 cpus:  0 4 8 12 16 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80 84 88 92
  node 0 size: 192119 MB
  node 0 free: 191507 MB
  node 1 cpus:  1 5 9 13 17 21 25 29 33 37 41 45 49 53 57 61 65 69 73 77 81 85 89 93
  node 1 size: 193521 MB
  node 1 free: 192912 MB
  node 2 cpus:  2 6 10 14 18 22 26 30 34 38 42 46 50 54 58 62 66 70 74 78 82 86 90 94
  node 2 size: 193521 MB
  node 2 free: 192900 MB
  node 3 cpus:  3 7 11 15 19 23 27 31 35 39 43 47 51 55 59 63 67 71 75 79 83 87 91 95
  node 3 size: 193518 MB
  node 3 free: 192967 MB

node distances:
  node 0 1 2 3
  0:  10 21 21 21
  1:  21 10 21 21
  2:  21 21 10 21
  3:  21 21 21 10

From /proc/meminfo
  MemTotal:     791225344 kB
  HugePages_Total:     0
  Hugepagesize:     2048 kB

(Continued on next page)
Dell Inc.
PowerEdge R940
(Intel Xeon Platinum 8168, 2.70 GHz)

SPECspeed2017_fp_base = 183
SPECspeed2017_fp_peak = 183

CPU2017 License: 55
Test Sponsor: Dell Inc.
Tested by: Dell Inc.
Test Date: Oct-2017
Hardware Availability: Jul-2017
Software Availability: Sep-2017

Platform Notes (Continued)

/usr/bin/lsb_release -d
  SUSE Linux Enterprise Server 12 SP2

From /etc/*release* /etc/*version*
  SuSE-release:
    SUSE Linux Enterprise Server 12 (x86_64)
    VERSION = 12
    PATCHLEVEL = 2
    # This file is deprecated and will be removed in a future service pack or release.
    # Please check /etc/os-release for details about this release.
  os-release:
    NAME="SLES"
    VERSION="12-SP2"
    VERSION_ID="12.2"
    PRETTY_NAME="SUSE Linux Enterprise Server 12 SP2"
    ID="sles"
    ANSI_COLOR="0;32"
    CPE_NAME="cpe:/o:suse:sles:12:sp2"

uname -a:
  Linux linux-4qdv 4.4.21-69-default #1 SMP Tue Oct 25 10:58:20 UTC 2016 (9464f67)
x86_64 x86_64 x86_64 GNU/Linux

run-level 3 Oct 15 01:05

SPEC is set to: /home/cpu2017
  Filesystem Type Size Used Avail Use% Mounted on
  /dev/sda4  xfs  796G  17G  779G  3% /home

Additional information from dmidecode follows. WARNING: Use caution when you interpret this section. The 'dmidecode' program reads system data which is "intended to allow hardware to be accurately determined", but the intent may not be met, as there are frequent changes to hardware, firmware, and the "DMTF SMBIOS" standard.
  BIOS Dell Inc. 1.1.7 08/10/2017
  Memory:
    3x 002C00B3002C 18ASF2G72PDZ-2G6D1 16 GB 2 rank 2666
    21x 00AD00B300AD HMA82GR7AFR8N-VK 16 GB 2 rank 2666
    24x 00CE063200CE M393A2K43BB1-CTD 16 GB 2 rank 2666

(End of data from sysinfo program)

Compiler Version Notes

==============================================================================
CC  619.lbm_s(base) 638.imagick_s(base, peak) 644.nab_s(base, peak)

(Continued on next page)
**Compiler Version Notes (Continued)**

<table>
<thead>
<tr>
<th>Compiler</th>
<th>Version</th>
<th>Date</th>
<th>Copyright and License Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>icc</td>
<td>18.0.0</td>
<td>20170811</td>
<td>Copyright (C) 1985-2017 Intel Corporation. All rights reserved.</td>
</tr>
<tr>
<td>icc</td>
<td>18.0.0</td>
<td>20170811</td>
<td>Copyright (C) 1985-2017 Intel Corporation. All rights reserved.</td>
</tr>
<tr>
<td>ifort</td>
<td>18.0.0</td>
<td>20170811</td>
<td>Copyright (C) 1985-2017 Intel Corporation. All rights reserved.</td>
</tr>
<tr>
<td>ifort</td>
<td>18.0.0</td>
<td>20170811</td>
<td>Copyright (C) 1985-2017 Intel Corporation. All rights reserved.</td>
</tr>
</tbody>
</table>

(Continued on next page)
Dell Inc.  
PowerEdge R940  
(Intel Xeon Platinum 8168, 2.70 GHz)

SPEC CPU2017 Floating Point Speed Result
Copyright 2017-2018 Standard Performance Evaluation Corporation

SPECspeed2017_fp_base = 183
SPECspeed2017_fp_peak = 183

Compiler Version Notes (Continued)

==============================================================================
| CC | 621.wrf_s(base) 627.cam4_s(base, peak) 628.pop2_s(base) |
|-----------------------------------------------|
| ifort (IFORT) 18.0.0 20170811                  |
| Copyright (C) 1985-2017 Intel Corporation. All rights reserved. |
| icc (ICC) 18.0.0 20170811                     |
| Copyright (C) 1985-2017 Intel Corporation. All rights reserved. |
==============================================================================

Base Compiler Invocation

C benchmarks:
icc

Fortran benchmarks:
ifort

Benchmarks using both Fortran and C:
ifort icc

Benchmarks using Fortran, C, and C++:
icpc icc ifort

Base Portability Flags

603.bwaves_s: -DSPEC_LP64
607.cactuBSSN_s: -DSPEC_LP64
619.lbm_s: -DSPEC_LP64
621.wrf_s: -DSPEC_LP64 -DSPEC_CASE_FLAG -convert big_endian
627.cam4_s: -DSPEC_LP64 -DSPEC_CASE_FLAG
628.pop2_s: -DSPEC_LP64 -DSPEC_CASE_FLAG -convert big_endian
-assume byterecl
638.imagick_s: -DSPEC_LP64

(Continued on next page)
Dell Inc.
PowerEdge R940
(Intel Xeon Platinum 8168, 2.70 GHz)

Dell Inc.

SPECspeed2017_fp_base = 183
SPECspeed2017_fp_peak = 183

CPU2017 License: 55
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

Test Date: Oct-2017
Hardware Availability: Jul-2017
Software Availability: Sep-2017

Base Portability Flags (Continued)

644.nab_s: -DSPEC_LP64
649.fotonik3d_s: -DSPEC_LP64
654.roms_s: -DSPEC_LP64

Base Optimization Flags

C benchmarks:
-xCORE-AVX512 -ipo -O3 -no-prec-div -qopt-prefetch -ffinite-math-only -qopt-mem-layout-trans=3 -qopenmp -DSPEC_OPENMP

Fortran benchmarks:
-DSPEC_OPENMP -xCORE-AVX512 -ipo -O3 -no-prec-div -qopt-prefetch -ffinite-math-only -qopt-mem-layout-trans=3 -qopenmp -nostandard-realloc-lhs -align array32byte

Benchmarks using both Fortran and C:
-xCORE-AVX512 -ipo -O3 -no-prec-div -qopt-prefetch -ffinite-math-only -qopt-mem-layout-trans=3 -qopenmp -DSPEC_OPENMP -nostandard-realloc-lhs -align array32byte

Benchmarks using Fortran, C, and C++:
-xCORE-AVX512 -ipo -O3 -no-prec-div -qopt-prefetch -ffinite-math-only -qopt-mem-layout-trans=3 -qopenmp -DSPEC_OPENMP -nostandard-realloc-lhs -align array32byte

Base Other Flags

C benchmarks:
-m64 -std=c11

Fortran benchmarks:
-m64

Benchmarks using both Fortran and C:
-m64 -std=c11

Benchmarks using Fortran, C, and C++:
-m64 -std=c11
Dell Inc.
PowerEdge R940
(Intel Xeon Platinum 8168, 2.70 GHz)

SPECspeed2017_fp_base = 183
SPECspeed2017_fp_peak = 183

CPU2017 License: 55
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

Peak Compiler Invocation

C benchmarks:
icc

Fortran benchmarks:
ifort

Benchmarks using both Fortran and C:
ifort icc

Benchmarks using Fortran, C, and C++:
icpc icc ifort

Peak Portability Flags

Same as Base Portability Flags

Peak Optimization Flags

C benchmarks:
619.lbm_s: -prof-gen(pass 1) -prof-use(pass 2) -O2 -xCORE-AVX512 -qopt-prefetch -ipo -O3 -ffinite-math-only -no-prec-div -qopt-mem-layout-trans=3 -DSPEC_SUPPRESS_OPENMP -qopenmp -DSPEC_OPENMP

638.imagick_s: -xCORE-AVX512 -ipo -O3 -no-prec-div -qopt-prefetch -ffinite-math-only -qopt-mem-layout-trans=3 -qopenmp -DSPEC_OPENMP

644.nab_s: Same as 638.imagick_s

Fortran benchmarks:
-prof-gen(pass 1) -prof-use(pass 2) -DSPEC_SUPPRESS_OPENMP

Benchmarks using both Fortran and C:
621.wrf_s: -prof-gen(pass 1) -prof-use(pass 2) -O2 -xCORE-AVX512 -qopt-prefetch -ipo -O3 -ffinite-math-only -no-prec-div -qopt-mem-layout-trans=3 -DSPEC_SUPPRESS_OPENMP -qopenmp

(Continued on next page)
Dell Inc.  
PowerEdge R940  
(Intel Xeon Platinum 8168, 2.70 GHz)  

<table>
<thead>
<tr>
<th>SPECspeed2017_fp_base = 183</th>
<th>SPECspeed2017_fp_peak = 183</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU2017 License: 55</td>
<td>Test Date: Oct-2017</td>
</tr>
<tr>
<td>Test Sponsor: Dell Inc.</td>
<td>Hardware Availability: Jul-2017</td>
</tr>
<tr>
<td>Tested by: Dell Inc.</td>
<td>Software Availability: Sep-2017</td>
</tr>
</tbody>
</table>

### Peak Optimization Flags (Continued)

621.wrf_s (continued):
-DSPEC_OPENMP -nostandard-realloc-lhs -align array32byte

627.cam4_s: -xCORE-AVX512 -ipo -O3 -no-prec-div -qopt-prefetch
-ffinite-math-only -qopt-mem-layout-trans=3 -qopenmp
-DSPEC_OPENMP -nostandard-realloc-lhs -align array32byte

628.pop2_s: Same as 621.wrf_s

Benchmarks using Fortran, C, and C++:
-prof-gen(pass 1) -prof-use(pass 2) -O2 -xCORE-AVX512 -qopt-prefetch
-ipo -O3 -ffinite-math-only -no-prec-div -qopt-mem-layout-trans=3
-DSPEC_SUPPRESS_OPENMP -qopenmp -DSPEC_OPENMP -nostandard-realloc-lhs
-align array32byte

### Peak Other Flags

C benchmarks:
-m64 -std=c11

Fortran benchmarks:
-m64

Benchmarks using both Fortran and C:
-m64 -std=c11

Benchmarks using Fortran, C, and C++:
-m64 -std=c11

The flags files that were used to format this result can be browsed at
http://www.spec.org/cpu2017/flags/Intel-ic18.0-official-linux64.html

You can also download the XML flags sources by saving the following links:
http://www.spec.org/cpu2017/flags/Intel-ic18.0-official-linux64.xml

SPEC is a registered trademark of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

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

Tested with SPEC CPU2017 v1.0.2 on 2017-10-15 09:05:08-0400.
Report generated on 2018-10-31 13:00:14 by CPU2017 PDF formatter v6067.
Originally published on 2017-11-14.