**SPEC CPU®2017 Floating Point Speed Result**

**Dell Inc.**

PowerEdge R750 xa (Intel Xeon Platinum 8368, 2.40 GHz)

<table>
<thead>
<tr>
<th>Program</th>
<th>Threads</th>
<th>SPECspeed(^{2017_fp_base})</th>
<th>SPECspeed(^{2017_fp_peak})</th>
</tr>
</thead>
<tbody>
<tr>
<td>603.bwaves_s</td>
<td>76</td>
<td>288</td>
<td>678</td>
</tr>
<tr>
<td>607.cactuBSSN_s</td>
<td>76</td>
<td>139</td>
<td>677</td>
</tr>
<tr>
<td>619.lbm_s</td>
<td>76</td>
<td>211</td>
<td>548</td>
</tr>
<tr>
<td>621.wrf_s</td>
<td>76</td>
<td>173</td>
<td>211</td>
</tr>
<tr>
<td>627.cam4_s</td>
<td>76</td>
<td>98.9</td>
<td>114</td>
</tr>
<tr>
<td>628.pop2_s</td>
<td>76</td>
<td>240</td>
<td>248</td>
</tr>
<tr>
<td>638.imagick_s</td>
<td>76</td>
<td>115</td>
<td>248</td>
</tr>
<tr>
<td>644.nab_s</td>
<td>76</td>
<td>487</td>
<td>548</td>
</tr>
<tr>
<td>649.fotonik3d_s</td>
<td>76</td>
<td>114</td>
<td>248</td>
</tr>
<tr>
<td>654.roms_s</td>
<td>76</td>
<td>115</td>
<td>248</td>
</tr>
</tbody>
</table>

**Hardware**

- CPU Name: Intel Xeon Platinum 8368
- Max MHz: 3400
- Nominal: 2400
- Enabled: 76 cores, 2 chips
- Orderable: 1.2 chips
- Cache L1: 32 KB I + 48 KB D on chip per core
- L2: 1.25 MB I+D on chip per core
- L3: 57 MB I+D on chip per chip
- Other: None
- Memory: 512 GB (16 x 32 GB 2Rx8 PC4-3200AA-R)
- Storage: 225 GB on tmpfs
- Other: None

**Software**

- OS: Red Hat Enterprise Linux 8.3 (Ootpa) 4.18.0-240.15.1.el8_3.x86_64
- Compiler: C/C++: Version 2021.1 of Intel oneAPI DPC++/C++ Compiler Build 20201113 for Linux;
  Fortran: Version 2021.1 of Intel Fortran Compiler Classic Build 20201112 for Linux;
  C/C++: Version 2021.1 of Intel C/C++ Compiler Classic Build 20201112 for Linux
- Parallel: Yes
- Firmware: Version 1.1.2 released Apr-2021
- File System: tmpfs
- System State: Run level 5 (graphical multi-user)
- Base Pointers: 64-bit
- Peak Pointers: 64-bit
- Other: None
- jemalloc memory allocator V5.0.1
- Power Management: BIOS and OS set to prefer performance at the cost of additional power usage.
**SPEC CPU®2017 Floating Point Speed Result**

**Dell Inc.**

PowerEdge R750 xa (Intel Xeon Platinum 8368, 2.40 GHz)

<table>
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<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>
<th>Seconds</th>
<th>Ratio</th>
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</thead>
<tbody>
<tr>
<td>603.bwaves_s</td>
<td>76</td>
<td>87.0</td>
<td><strong>678</strong></td>
<td>87.1</td>
<td>677</td>
<td>86.5</td>
<td>682</td>
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<td>87.7</td>
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<td>607.cactuBSSN_s</td>
<td>76</td>
<td>57.4</td>
<td>290</td>
<td>59.0</td>
<td>283</td>
<td><strong>57.9</strong></td>
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<td>57.4</td>
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<tr>
<td>619.libm_s</td>
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<td><strong>139</strong></td>
<td>76</td>
<td>37.5</td>
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<tr>
<td>621.wrf_s</td>
<td>76</td>
<td>62.4</td>
<td>212</td>
<td>62.6</td>
<td>211</td>
<td><strong>62.6</strong></td>
<td><strong>211</strong></td>
<td>76</td>
<td>64.1</td>
</tr>
<tr>
<td>627.cam4_s</td>
<td>76</td>
<td>51.7</td>
<td>171</td>
<td><strong>51.4</strong></td>
<td><strong>173</strong></td>
<td>50.3</td>
<td>176</td>
<td>76</td>
<td>51.7</td>
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<tr>
<td>628.pop2_s</td>
<td>76</td>
<td>120</td>
<td>99.3</td>
<td>121</td>
<td>98.5</td>
<td><strong>120</strong></td>
<td><strong>98.9</strong></td>
<td>76</td>
<td>120</td>
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<td>60.2</td>
<td>240</td>
<td><strong>60.1</strong></td>
<td><strong>240</strong></td>
<td>59.9</td>
<td>241</td>
<td>76</td>
<td>60.2</td>
</tr>
<tr>
<td>644.nab_s</td>
<td>76</td>
<td>35.9</td>
<td>486</td>
<td>35.8</td>
<td>488</td>
<td><strong>35.9</strong></td>
<td><strong>487</strong></td>
<td>76</td>
<td>31.9</td>
</tr>
<tr>
<td>649.fotonik3d_s</td>
<td>76</td>
<td>79.7</td>
<td>114</td>
<td>80.4</td>
<td>113</td>
<td><strong>79.7</strong></td>
<td><strong>114</strong></td>
<td>76</td>
<td>79.0</td>
</tr>
<tr>
<td>654.roms_s</td>
<td>76</td>
<td><strong>63.5</strong></td>
<td><strong>248</strong></td>
<td>62.7</td>
<td>251</td>
<td>64.7</td>
<td>243</td>
<td>76</td>
<td><strong>63.5</strong></td>
</tr>
</tbody>
</table>

**SPECspeed®2017_fp_base = 224**

**SPECspeed®2017_fp_peak = 227**

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

### Operating System Notes

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

### Environment Variables Notes

Environment variables set by runcpu before the start of the run:
- KMP_AFFINITY = "granularity=fine,compact"
- LD_LIBRARY_PATH = 
  "/mnt/ramdisk/cpu2017-1.1.5-ic2021.1/lib/intel64:/mnt/ramdisk/cpu2017-1.1.5-ic2021.1/je5.0.1-64"
- MALLOC_CONF = "retain: true"
- OMP_STACKSIZE = "192M"

### General Notes

Binaries compiled on a system with 1x Intel Core i9-7980XE CPU + 64GB RAM memory using Redhat Enterprise Linux 8.0

Transparent Huge Pages enabled by default

Prior to runcpu invocation

Files system page cache synced and cleared with:

sync; echo 3> /proc/sys/vm/drop_caches

jemalloc, a general purpose malloc implementation

built with the RedHat Enterprise 7.5, and the system compiler gcc 4.8.5


NA: The test sponsor attests, as of date of publication, that CVE-2017-5754 (Meltdown) is mitigated in the system as tested and documented.

(Continued on next page)
Dell Inc.
PowerEdge R750 xa (Intel Xeon Platinum 8368, 2.40 GHz)

SPECspeed®2017_fp_base = 224
SPECspeed®2017_fp_peak = 227

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

Test Date: Apr-2021
Hardware Availability: May-2021
Software Availability: Feb-2021

General Notes (Continued)

Yes: The test sponsor attests, as of date of publication, that CVE-2017-5753 (Spectre variant 1) is mitigated in the system as tested and documented.
Yes: The test sponsor attests, as of date of publication, that CVE-2017-5715 (Spectre variant 2) is mitigated in the system as tested and documented.

Benchmark run from a 225 GB ramdisk created with the cmd: "mount -t tmpfs -o size=225G tmpfs /mnt/ramdisk"

Platform Notes

BIOS Settings:
Logical Processor : Disabled
Virtualization Technology : Disabled

System Profile : Custom
CPU Power Management : Maximum Performance
C1E : Disabled
C States : Autonomous
Memory Patrol Scrub : Disabled
Energy Efficiency Policy : Performance
CPU Interconnect Bus Link
Power Management : Disabled

Sysinfo program /mnt/ramdisk/cpu2017-1.1.5-ic2021.1/bin/sysinfo
Rev: r6538 of 2020-09-24 e8664e66d2d7080afeaa89d4b38e2fc
running on localhost.localdomain Tue Apr 20 13:28:52 2021

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 8368 CPU @ 2.40GHz
  2 "physical id"s (chips)
  76 "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 : 38
siblings : 38
physical 0: cores 0 1 2 3 4 5 6 7 8 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37
physical 1: cores 0 1 2 3 4 5 6 7 8 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37

(Continued on next page)
SPEC CPU®2017 Floating Point Speed Result

Dell Inc.
PowerEdge R750 xa (Intel Xeon Platinum 8368, 2.40 GHz)

SPECspeed®2017_fp_base = 224
SPECspeed®2017_fp_peak = 227

CPU2017 License: 55
Test Sponsor: Dell Inc.
Tested by: Dell Inc.
Test Date: Apr-2021
Hardware Availability: May-2021
Software Availability: Feb-2021

Platform Notes (Continued)

From lscpu:
Architecture: x86_64
CPU op-mode(s): 32-bit, 64-bit
Byte Order: Little Endian
CPU(s): 76
On-line CPU(s) list: 0-75
Thread(s) per core: 1
Core(s) per socket: 38
Socket(s): 2
NUMA node(s): 2
Vendor ID: GenuineIntel
CPU family: 6
Model: 106
Model name: Intel(R) Xeon(R) Platinum 8368 CPU @ 2.40GHz
Stepping: 6
CPU MHz: 3278.293
BogoMIPS: 4800.00
Virtualization: VT-x
L1d cache: 48K
L1i cache: 32K
L2 cache: 1280K
L3 cache: 58368K
NUMA node0 CPU(s):
0,2,4,6,8,10,12,14,16,18,20,22,24,26,28,30,32,34,36,38,40,42,44,46,48,50,52,54,56,58
,60,62,64,66,68,70,72,74
NUMA node1 CPU(s):
1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,33,35,37,39,41,43,45,47,49,51,53,55,57,59
,61,63,65,67,69,71,73,75
Flags: fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov
pat pse36 clflush dts acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx pdpe1gb rdtscp
lm constant_tsc arch_perfmon pebs bts rep_good nopl x87op xtopology nonstop_tsc cpuid
aem64 cmpxchgpnb st loved core aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx smx
est tm2 ssse3 sdbg fma cx16
xtrunc pdcm pcid dca sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave
avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb cat_13 invpcid_single
intel_ppn sbbd mba ibrs ibpb stibp ibrs_enhanced fsbsbase tsc_adjust bmi1 hle avx2
smep bmi2 erms invpcid cmqm rdt_a avx512f avx512dq rdsenad smap avx512ifma
clflushopt clwb intel_pt avx512cd sha_ni avx512bw avx512vl xsaveopt xsavec xgetbv
xsaes cmqm_llc cmq_occopus_llc cmq_mmb_total cmq_mmb_local split_lock_detect wbnoinvd
dtherm ida arat pmln pts avx512vbmi umip pfu ospez avx512_vbmi gfnl vaes vpcm1ldq
avx512_vnni avx512_bitalg tme avx512_vpopcntdq la57 rdpid md_clear pconfig flush_l1d
arch_capabilities

/proc/cpuinfo cache data

cache size : 58368 KB

From numactl --hardware WARNING: a numactl 'node' might or might not correspond to a
physical chip.

(Continued on next page)
Dell Inc.
PowerEdge R750 xa (Intel Xeon Platinum 8368, 2.40 GHz)

SPECsSCORE®2017_fp_base = 224
SPECsCORE®2017_fp_peak = 227

CPU2017 License: 55
Test Sponsor: Dell Inc.
Tested by: Dell Inc.
Test Date: Apr-2021
Hardware Availability: May-2021
Software Availability: Feb-2021

Platform Notes (Continued)

available: 2 nodes (0-1)
node 0 cpus: 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74
node 0 size: 241913 MB
node 0 free: 240887 MB
node 1 cpus: 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75
node 1 size: 245449 MB
node 1 free: 250869 MB
node distances:
node 0 1
0: 10 20
1: 20 10

From /proc/meminfo
MemTotal: 527805896 kB
HugePages_Total: 0
Hugepagesize: 2048 kB
/sbin/tuned-adm active
  Current active profile: throughput-performance

From /etc/*release* /etc/*version*
  os-release:
    NAME="Red Hat Enterprise Linux"
    VERSION="8.3 (Ootpa)"
    ID="rhel"
    ID_LIKE="fedora"
    VERSION_ID="8.3"
    PLATFORM_ID="platform:el8"
    PRETTY_NAME="Red Hat Enterprise Linux 8.3 (Ootpa)"
    ANSI_COLOR="0;31"
    redhat-release: Red Hat Enterprise Linux release 8.3 (Ootpa)
    system-release: Red Hat Enterprise Linux release 8.3 (Ootpa)
    system-release-cpe: cpe:/o:redhat:enterprise_linux:8.3:ga

uname -a:
Linux localhost.localdomain 4.18.0-240.15.1.el8_3.x86_64 #1 SMP Wed Feb 3 03:12:15 EST 2021 x86_64 x86_64 x86_64 GNU/Linux

Kernel self-reported vulnerability status:
CWE-2018-12207 (iTLB Multihit): Not affected
CWE-2018-3620 (L1 Terminal Fault): Not affected
Microarchitectural Data Sampling: Not affected
CWE-2017-5754 (Meltdown): Not affected
CWE-2018-3639 (Speculative Store Bypass): Mitigation: Speculative Store

(Continued on next page)
Dell Inc.
PowerEdge R750 xa (Intel Xeon Platinum 8368, 2.40 GHz)

SPECspeed®2017_fp_base = 224
SPECspeed®2017_fp_peak = 227

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

Platform Notes (Continued)

CVE-2017-5753 (Spectre variant 1):
Bypass disabled via prctl and seccomp
Mitigation: usercopy/swapsgs barriers and __user pointer sanitization
CVE-2017-5715 (Spectre variant 2):
Mitigation: Enhanced IBRS, IBPB: conditional, RSB filling
CVE-2020-0543 (Special Register Buffer Data Sampling): Not affected
CVE-2019-11135 (TSX Asynchronous Abort): Not affected

run-level 5 Apr 20 09:31
SPEC is set to: /mnt/ramdisk/cpu2017-1.1.5-ic2021.1
Filesystem Type Size Used Avail Use% Mounted on
tmpfs tmpfs 225G 13G 213G 6% /mnt/ramdisk

From /sys/devices/virtual/dmi/id
Vendor: Dell Inc.
Product: PowerEdge R750 xa
Product Family: PowerEdge
Serial: 1234567

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.
Memory:
16x 002C069D002C 18ASF4G72PDZ-3G2E1 32 GB 2 rank 3200
16x Not Specified Not Specified

BIOS:
BIOS Vendor: Dell Inc.
BIOS Version: 1.1.2
BIOS Date: 04/09/2021
BIOS Revision: 1.1

(End of data from sysinfo program)

Compiler Version Notes

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

Intel(R) C Intel(R) 64 Compiler Classic for applications running on Intel(R) 64, Version 2021.1 Build 20201112_000000

(Continued on next page)
Dell Inc.
PowerEdge R750 xa (Intel Xeon Platinum 8368, 2.40 GHz)

SPECspeed®2017_fp_base = 224
SPECspeed®2017_fp_peak = 227

CPU2017 License: 55
Test Sponsor: Dell Inc.
Test Date: Apr-2021
Tested by: Dell Inc.
Hardware Availability: May-2021
Software Availability: Feb-2021

Compiler Version Notes (Continued)
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.

---

C               | 644.nab_s(peak)
---

Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64,
Version 2021.1 Build 20201113
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.

C               | 619.lbm_s(base, peak) 638.imagick_s(base, peak) 644.nab_s(base)
---

Intel(R) C Intel(R) 64 Compiler Classic for applications running on Intel(R) 64,
Version 2021.1 Build 20201112_000000
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.

C               | 644.nab_s(peak)
---

Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64,
Version 2021.1 Build 20201113
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.

C++, C, Fortran | 607.cactuBSSN_s(base, peak)
---

Intel(R) C++ Intel(R) 64 Compiler Classic for applications running on
Intel(R) 64, Version 2021.1 Build 20201112_000000
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.

Intel(R) C Intel(R) 64 Compiler Classic for applications running on Intel(R) 64,
Version 2021.1 Build 20201112_000000
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.

Intel(R) Fortran Intel(R) 64 Compiler Classic for applications running on
Intel(R) 64, Version 2021.1 Build 20201112_000000
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.

Fortran          | 603.bwaves_s(base, peak) 649.fotonik3d_s(base, peak) 654.roms_s(base, peak)
---

Intel(R) Fortran Intel(R) 64 Compiler Classic for applications running on

(Continued on next page)
Dell Inc.
PowerEdge R750 xa (Intel Xeon Platinum 8368, 2.40 GHz)

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

**Compiler Version Notes (Continued)**

Intel (R) 64, Version 2021.1 Build 20201112_000000
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.

Fortran, C

| 621.wrf_s(base, peak) 627.cam4_s(base, peak) |
| 628.pop2_s(base, peak) |

Intel (R) Fortran Intel (R) 64 Compiler Classic for applications running on Intel (R) 64, Version 2021.1 Build 20201112_000000
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.

Intel (R) C Intel (R) 64 Compiler Classic for applications running on Intel (R) 64, Version 2021.1 Build 20201112_000000
Copyright (C) 1985-2020 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
644.nab_s: -DSPEC_LP64
649.fotonik3d_s: -DSPEC_LP64
654.roms_s: -DSPEC_LP64
**SPEC CPU®2017 Floating Point Speed Result**

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<td>SPECspeed®2017_fp_peak = 227</td>
</tr>
</tbody>
</table>

**Base Optimization Flags**

C benchmarks:
- `-m64` `-std=c11` `-xCORE-AVX512` `-ipo` `-O3` `-no-prec-div` `-qopt-prefetch` `-ffinite-math-only` `-qopt-mem-layout-trans=4` `-gopenmp` `-DSPEC_OPENMP` `-mbranches-within-32B-boundaries`

Fortran benchmarks:
- `-m64` `-Wl,-z,muldefs` `-DSPEC_OPENMP` `-xCORE-AVX512` `-ipo` `-O3` `-no-prec-div` `-qopt-prefetch` `-ffinite-math-only` `-qopt-mem-layout-trans=4` `-gopenmp` `-nostandard-realloc-lhs` `-mbranches-within-32B-boundaries` `-L/usr/local/jemalloc64-5.0.1/lib` `-ljemalloc`

Benchmarks using both Fortran and C:

Benchmarks using Fortran, C, and C++:

**Peak Compiler Invocation**

C benchmarks (except as noted below):
- `icc`
- `644.nab_s: icx`

Fortran benchmarks:
- `ifort`

Benchmarks using both Fortran and C:
- `ifort icc`

Benchmarks using Fortran, C, and C++:
- `icpc icc ifort`
SPEC CPU®2017 Floating Point Speed Result

Dell Inc.
PowerEdge R750 xa (Intel Xeon Platinum 8368, 2.40 GHz)

SPECspeed®2017_fp_base = 224
SPECspeed®2017_fp_peak = 227

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

Test Date: Apr-2021
Hardware Availability: May-2021
Software Availability: Feb-2021

Peak Portability Flags
Same as Base Portability Flags

Peak Optimization Flags

C benchmarks:
619.lbm_s: basepeak = yes
638.imagick_s: basepeak = yes
644.nab_s: -m64 -Wl,-z,muldefs -xCORE-AVX512 -Ofast -ffast-math
-f1to -mfpmath=sse -funroll-loops -fiopenmp
-DSPEC_OPENMP -qopt-mem-layout-trans=4
-fimf-accuracy-bits=14:sqrt
-mbranches-within-32B-boundaries
-L/usr/local/jemalloc64-5.0.1/lib -ljemalloc

Fortran benchmarks:
603.bwaves_s: -m64 -Wl,-z,muldefs -prof-gen(pass 1) -prof-use(pass 2)
-DSPEC_SUPPRESS_OPENMP -DSPEC_OPENMP -ipo -xCORE-AVX512
-03 -no-prec-div -qopt-prefetch -ffinite-math-only
-qopt-mem-layout-trans=4 -qopenmp -nostandard-realloc-lhs
-mbranches-within-32B-boundaries
-L/usr/local/jemalloc64-5.0.1/lib -ljemalloc
649.fotonik3d_s: Same as 603.bwaves_s
654.roms_s: basepeak = yes

Benchmarks using both Fortran and C:
621.wrf_s: -m64 -std=c11 -Wl,-z,muldefs -prof-gen(pass 1)
-prof-use(pass 2) -ipo -xCORE-AVX512 -03 -no-prec-div
-qopt-prefetch -ffinite-math-only -qopt-mem-layout-trans=4
-DSPEC_SUPPRESS_OPENMP -qopenmp -DSPEC_OPENMP
-mbranches-within-32B-boundaries -nostandard-realloc-lhs
-L/usr/local/jemalloc64-5.0.1/lib -ljemalloc
627.cam4_s: basepeak = yes
628.pop2_s: basepeak = yes

(Continued on next page)
### Dell Inc.
PowerEdge R750 xa (Intel Xeon Platinum 8368, 2.40 GHz)

<table>
<thead>
<tr>
<th>SPECspeed®2017_fp_base</th>
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**CPU2017 License:** 55  
**Test Sponsor:** Dell Inc.  
**Tested by:** Dell Inc.

**Test Date:** Apr-2021  
**Hardware Availability:** May-2021  
**Software Availability:** Feb-2021

#### Peak Optimization Flags (Continued)

Benchmarks using Fortran, C, and C++:

607.cactuBSSN_s: basepeak = yes

The flags files that were used to format this result can be browsed at:


You can also download the XML flags sources by saving the following links:


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