



# SPEC® CPU2017 Integer Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

## Lenovo Global Technology

ThinkSystem SR950  
(2.20 GHz, Intel Xeon Platinum 8253)

SPECrate2017\_int\_base = 656

SPECrate2017\_int\_peak = Not Run

CPU2017 License: 9017

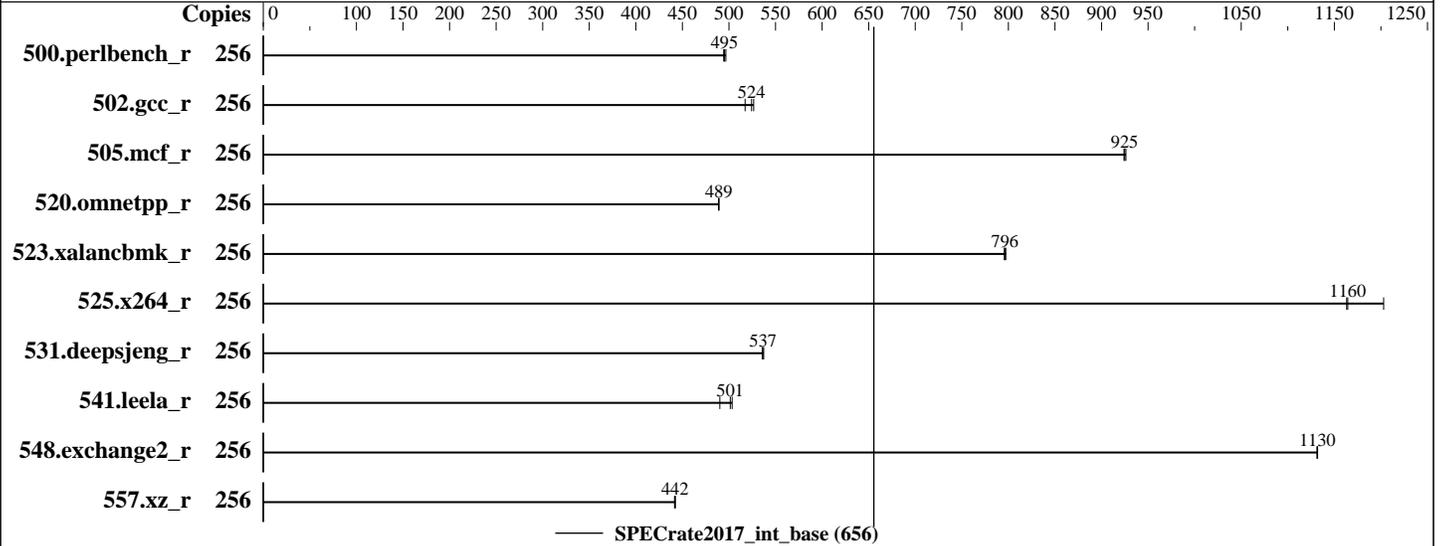
Test Sponsor: Lenovo Global Technology

Tested by: Lenovo Global Technology

Test Date: Apr-2019

Hardware Availability: Apr-2019

Software Availability: Dec-2018



### Hardware

CPU Name: Intel Xeon Platinum 8253  
 Max MHz.: 3000  
 Nominal: 2200  
 Enabled: 128 cores, 8 chips, 2 threads/core  
 Orderable: 2,3,4,6,8 chips  
 Cache L1: 32 KB I + 32 KB D on chip per core  
 L2: 1 MB I+D on chip per core  
 L3: 22 MB I+D on chip per chip  
 Other: None  
 Memory: 3 TB (96 x 32 GB 2Rx4 PC4-2933Y-R)  
 Storage: 960 GB tmpfs  
 Other: None

### Software

OS: SUSE Linux Enterprise Server 12 SP4 (x86\_64)  
 Kernel 4.12.14-94.41-default  
 Compiler: C/C++: Version 19.0.1.144 of Intel C/C++  
 Compiler Build 20181018 for Linux;  
 Fortran: Version 19.0.1.144 of Intel Fortran  
 Compiler Build 20181018 for Linux  
 Parallel: No  
 Firmware: Lenovo BIOS Version PSE121C 1.50 released Jan-2019  
 File System: tmpfs  
 System State: Run level 3 (multi-user)  
 Base Pointers: 64-bit  
 Peak Pointers: Not Applicable  
 Other: None



# SPEC CPU2017 Integer Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

## Lenovo Global Technology

SPECrate2017\_int\_base = 656

ThinkSystem SR950  
(2.20 GHz, Intel Xeon Platinum 8253)

SPECrate2017\_int\_peak = Not Run

CPU2017 License: 9017  
Test Sponsor: Lenovo Global Technology  
Tested by: Lenovo Global Technology

Test Date: Apr-2019  
Hardware Availability: Apr-2019  
Software Availability: Dec-2018

## Results Table

| Benchmark       | Base   |            |            |            |             |            |             |        | Peak    |       |         |       |         |       |  |  |
|-----------------|--------|------------|------------|------------|-------------|------------|-------------|--------|---------|-------|---------|-------|---------|-------|--|--|
|                 | Copies | Seconds    | Ratio      | Seconds    | Ratio       | Seconds    | Ratio       | Copies | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio |  |  |
| 500.perlbench_r | 256    | 821        | 497        | 824        | 494         | <b>823</b> | <b>495</b>  |        |         |       |         |       |         |       |  |  |
| 502.gcc_r       | 256    | <b>691</b> | <b>524</b> | 701        | 517         | 688        | 527         |        |         |       |         |       |         |       |  |  |
| 505.mcf_r       | 256    | <b>447</b> | <b>925</b> | 447        | 926         | 448        | 924         |        |         |       |         |       |         |       |  |  |
| 520.omnetpp_r   | 256    | <b>687</b> | <b>489</b> | 687        | 489         | 687        | 489         |        |         |       |         |       |         |       |  |  |
| 523.xalancbmk_r | 256    | 339        | 797        | <b>340</b> | <b>796</b>  | 340        | 796         |        |         |       |         |       |         |       |  |  |
| 525.x264_r      | 256    | 385        | 1160       | 373        | 1200        | <b>385</b> | <b>1160</b> |        |         |       |         |       |         |       |  |  |
| 531.deepsjeng_r | 256    | <b>547</b> | <b>537</b> | 546        | 537         | 548        | 536         |        |         |       |         |       |         |       |  |  |
| 541.leela_r     | 256    | 842        | 503        | <b>846</b> | <b>501</b>  | 865        | 490         |        |         |       |         |       |         |       |  |  |
| 548.exchange2_r | 256    | 593        | 1130       | <b>593</b> | <b>1130</b> | 592        | 1130        |        |         |       |         |       |         |       |  |  |
| 557.xz_r        | 256    | <b>625</b> | <b>442</b> | 626        | 442         | 625        | 442         |        |         |       |         |       |         |       |  |  |

SPECrate2017\_int\_base = 656

SPECrate2017\_int\_peak = Not Run

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

## Submit Notes

The numactl mechanism was used to bind copies to processors. The config file option 'submit' was used to generate numactl commands to bind each copy to a specific processor. For details, please see the config file.

## Operating System Notes

Stack size set to unlimited using "ulimit -s unlimited"  
Tmpfs filesystem can be set with:  
mount -t tmpfs -o size=960g tmpfs /home

## General Notes

Environment variables set by runcpu before the start of the run:  
LD\_LIBRARY\_PATH = "/home/cpu2017-1.0.5-ic19.0u1/lib/intel64"

Binaries compiled on a system with 1x Intel Core i9-7900X CPU + 32GB RAM  
memory using Redhat Enterprise Linux 7.5  
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  
runcpu command invoked through numactl i.e.:  
numactl --interleave=all runcpu <etc>

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

Yes: The test sponsor attests, as of date of publication, that CVE-2017-5753 (Spectre variant 1)

(Continued on next page)



# SPEC CPU2017 Integer Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

## Lenovo Global Technology

SPECrate2017\_int\_base = 656

ThinkSystem SR950  
(2.20 GHz, Intel Xeon Platinum 8253)

SPECrate2017\_int\_peak = Not Run

CPU2017 License: 9017

Test Date: Apr-2019

Test Sponsor: Lenovo Global Technology

Hardware Availability: Apr-2019

Tested by: Lenovo Global Technology

Software Availability: Dec-2018

### General Notes (Continued)

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.

Yes: The test sponsor attests, as of date of publication, that CVE-2018-3640 (Spectre variant 3a) is mitigated in the system as tested and documented.

Yes: The test sponsor attests, as of date of publication, that CVE-2018-3639 (Spectre variant 4) is mitigated in the system as tested and documented.

### Platform Notes

BIOS configuration:

Choose Operating Mode set to Maximum Performance

Trusted Execution Technology set to Enable

DCU Streamer Prefetcher set to Disable

SNC set to Enable

Patrol Scrub set to Disable

Stale AtoS set to Enable

    Sysinfo program /home/cpu2017-1.0.5-ic19.0u1/bin/sysinfo

    Rev: r5974 of 2018-05-19 9bcde8f2999c33d61f64985e45859ea9

    running on sles12sp4 Tue Apr 16 02:08:07 2019

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 8253 CPU @ 2.20GHz

    8 "physical id"s (chips)

    256 "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 : 16

    siblings : 32

    physical 0: cores 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

    physical 1: cores 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

    physical 2: cores 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

    physical 3: cores 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

    physical 4: cores 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

    physical 5: cores 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

    physical 6: cores 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

    physical 7: cores 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

From lscpu:

Architecture: x86\_64

CPU op-mode(s): 32-bit, 64-bit

Byte Order: Little Endian

(Continued on next page)



# SPEC CPU2017 Integer Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

## Lenovo Global Technology

SPECrate2017\_int\_base = 656

ThinkSystem SR950  
(2.20 GHz, Intel Xeon Platinum 8253)

SPECrate2017\_int\_peak = Not Run

CPU2017 License: 9017

Test Date: Apr-2019

Test Sponsor: Lenovo Global Technology

Hardware Availability: Apr-2019

Tested by: Lenovo Global Technology

Software Availability: Dec-2018

### Platform Notes (Continued)

```

CPU(s): 256
On-line CPU(s) list: 0-255
Thread(s) per core: 2
Core(s) per socket: 16
Socket(s): 8
NUMA node(s): 16
Vendor ID: GenuineIntel
CPU family: 6
Model: 85
Model name: Intel(R) Xeon(R) Platinum 8253 CPU @ 2.20GHz
Stepping: 6
CPU MHz: 2200.000
CPU max MHz: 3000.0000
CPU min MHz: 1000.0000
BogoMIPS: 4400.00
Virtualization: VT-x
L1d cache: 32K
L1i cache: 32K
L2 cache: 1024K
L3 cache: 22528K
NUMA node0 CPU(s): 0-3,8-11,128-131,136-139
NUMA node1 CPU(s): 4-7,12-15,132-135,140-143
NUMA node2 CPU(s): 16-19,24-27,144-147,152-155
NUMA node3 CPU(s): 20-23,28-31,148-151,156-159
NUMA node4 CPU(s): 32-35,40-43,160-163,168-171
NUMA node5 CPU(s): 36-39,44-47,164-167,172-175
NUMA node6 CPU(s): 48-51,56-59,176-179,184-187
NUMA node7 CPU(s): 52-55,60-63,180-183,188-191
NUMA node8 CPU(s): 64-67,72-75,192-195,200-203
NUMA node9 CPU(s): 68-71,76-79,196-199,204-207
NUMA node10 CPU(s): 80-83,88-91,208-211,216-219
NUMA node11 CPU(s): 84-87,92-95,212-215,220-223
NUMA node12 CPU(s): 96-99,104-107,224-227,232-235
NUMA node13 CPU(s): 100-103,108-111,228-231,236-239
NUMA node14 CPU(s): 112-115,120-123,240-243,248-251
NUMA node15 CPU(s): 116-119,124-127,244-247,252-255
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 art arch_perfmon pebs bts rep_good nopl xtopology nonstop_tsc cpuid
aperfmpperf pni pclmulqdq dtes64 ds_cpl vmx smx est tm2 ssse3 sdbg fma cx16 xtpr 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_l3 cdp_l3 invpcid_single ssbd
mba ibrs ibpb stibp tpr_shadow vnmi flexpriority ept vpid fsgsbase tsc_adjust bml
hle avx2 smep bmi2 erms invpcid rtm cqm mpx rdt_a avx512f avx512dq rdseed adx smap
clflushopt clwb intel_pt avx512cd avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves
cqm_llc cqm_occup_llc cqm_mbm_total cqm_mbm_local dtherm ida arat pln pts pku ospke
avx512_vnni flush_l1d arch_capabilities

```

(Continued on next page)



# SPEC CPU2017 Integer Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Lenovo Global Technology

SPECrate2017\_int\_base = 656

ThinkSystem SR950  
(2.20 GHz, Intel Xeon Platinum 8253)

SPECrate2017\_int\_peak = Not Run

CPU2017 License: 9017

Test Date: Apr-2019

Test Sponsor: Lenovo Global Technology

Hardware Availability: Apr-2019

Tested by: Lenovo Global Technology

Software Availability: Dec-2018

## Platform Notes (Continued)

```
/proc/cpuinfo cache data
cache size : 22528 KB
```

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

```
available: 16 nodes (0-15)
node 0 cpus: 0 1 2 3 8 9 10 11 128 129 130 131 136 137 138 139
node 0 size: 193121 MB
node 0 free: 180003 MB
node 1 cpus: 4 5 6 7 12 13 14 15 132 133 134 135 140 141 142 143
node 1 size: 193530 MB
node 1 free: 193072 MB
node 2 cpus: 16 17 18 19 24 25 26 27 144 145 146 147 152 153 154 155
node 2 size: 193530 MB
node 2 free: 193297 MB
node 3 cpus: 20 21 22 23 28 29 30 31 148 149 150 151 156 157 158 159
node 3 size: 193530 MB
node 3 free: 193243 MB
node 4 cpus: 32 33 34 35 40 41 42 43 160 161 162 163 168 169 170 171
node 4 size: 193530 MB
node 4 free: 193309 MB
node 5 cpus: 36 37 38 39 44 45 46 47 164 165 166 167 172 173 174 175
node 5 size: 193501 MB
node 5 free: 193159 MB
node 6 cpus: 48 49 50 51 56 57 58 59 176 177 178 179 184 185 186 187
node 6 size: 193530 MB
node 6 free: 193341 MB
node 7 cpus: 52 53 54 55 60 61 62 63 180 181 182 183 188 189 190 191
node 7 size: 193530 MB
node 7 free: 193351 MB
node 8 cpus: 64 65 66 67 72 73 74 75 192 193 194 195 200 201 202 203
node 8 size: 193530 MB
node 8 free: 193368 MB
node 9 cpus: 68 69 70 71 76 77 78 79 196 197 198 199 204 205 206 207
node 9 size: 193530 MB
node 9 free: 193348 MB
node 10 cpus: 80 81 82 83 88 89 90 91 208 209 210 211 216 217 218 219
node 10 size: 193530 MB
node 10 free: 193351 MB
node 11 cpus: 84 85 86 87 92 93 94 95 212 213 214 215 220 221 222 223
node 11 size: 193530 MB
node 11 free: 193372 MB
node 12 cpus: 96 97 98 99 104 105 106 107 224 225 226 227 232 233 234 235
node 12 size: 193530 MB
node 12 free: 193344 MB
node 13 cpus: 100 101 102 103 108 109 110 111 228 229 230 231 236 237 238 239
```

(Continued on next page)



# SPEC CPU2017 Integer Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

## Lenovo Global Technology

SPECrate2017\_int\_base = 656

ThinkSystem SR950  
(2.20 GHz, Intel Xeon Platinum 8253)

SPECrate2017\_int\_peak = Not Run

CPU2017 License: 9017

Test Date: Apr-2019

Test Sponsor: Lenovo Global Technology

Hardware Availability: Apr-2019

Tested by: Lenovo Global Technology

Software Availability: Dec-2018

### Platform Notes (Continued)

```

node 13 size: 193530 MB
node 13 free: 193344 MB
node 14 cpus: 112 113 114 115 120 121 122 123 240 241 242 243 248 249 250 251
node 14 size: 193530 MB
node 14 free: 193380 MB
node 15 cpus: 116 117 118 119 124 125 126 127 244 245 246 247 252 253 254 255
node 15 size: 193527 MB
node 15 free: 193385 MB
node distances:
node  0  1  2  3  4  5  6  7  8  9 10 11 12 13 14 15
0:  10 11 21 21 31 31 21 21 21 21 31 31 31 31 31 31
1:  11 10 21 21 31 31 21 21 21 21 31 31 31 31 31 31
2:  21 21 10 11 21 21 31 31 31 31 21 21 31 31 31 31
3:  21 21 11 10 21 21 31 31 31 31 21 21 31 31 31 31
4:  31 31 21 21 10 11 21 21 31 31 31 31 21 21 31 31
5:  31 31 21 21 11 10 21 21 31 31 31 31 21 21 31 31
6:  21 21 31 31 21 21 10 11 31 31 31 31 31 31 21 21
7:  21 21 31 31 21 21 11 10 31 31 31 31 31 31 21 21
8:  21 21 31 31 31 31 31 31 10 11 21 21 21 21 31 31
9:  21 21 31 31 31 31 31 31 11 10 21 21 21 21 31 31
10: 31 31 21 21 31 31 31 31 21 21 10 11 31 31 21 21
11: 31 31 21 21 31 31 31 31 21 21 11 10 31 31 21 21
12: 31 31 31 31 21 21 31 31 21 21 31 31 10 11 21 21
13: 31 31 31 31 21 21 31 31 21 21 31 31 11 10 21 21
14: 31 31 31 31 31 31 21 21 31 31 21 21 21 21 10 11
15: 31 31 31 31 31 31 21 21 31 31 21 21 21 21 11 10

```

```

From /proc/meminfo
MemTotal:      3170354256 kB
HugePages_Total:      0
Hugepagesize:    2048 kB

```

```

From /etc/*release* /etc/*version*
SuSE-release:
  SUSE Linux Enterprise Server 12 (x86_64)
  VERSION = 12
  PATCHLEVEL = 4
  # 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-SP4"
  VERSION_ID="12.4"
  PRETTY_NAME="SUSE Linux Enterprise Server 12 SP4"
  ID="sles"
  ANSI_COLOR="0;32"
  CPE_NAME="cpe:/o:suse:sles:12:sp4"

```

(Continued on next page)



# SPEC CPU2017 Integer Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

**Lenovo Global Technology**

SPECrate2017\_int\_base = 656

ThinkSystem SR950  
(2.20 GHz, Intel Xeon Platinum 8253)

SPECrate2017\_int\_peak = Not Run

CPU2017 License: 9017

Test Date: Apr-2019

Test Sponsor: Lenovo Global Technology

Hardware Availability: Apr-2019

Tested by: Lenovo Global Technology

Software Availability: Dec-2018

## Platform Notes (Continued)

uname -a:

```
Linux sles12sp4 4.12.14-94.41-default #1 SMP Wed Oct 31 12:25:04 UTC 2018 (3090901)
x86_64 x86_64 x86_64 GNU/Linux
```

Kernel self-reported vulnerability status:

```
CVE-2017-5754 (Meltdown): Not affected
CVE-2017-5753 (Spectre variant 1): Mitigation: __user pointer sanitization
CVE-2017-5715 (Spectre variant 2): Mitigation: Indirect Branch Restricted Speculation,
IBPB, IBRS_FW
```

run-level 3 Apr 16 02:04

SPEC is set to: /home/cpu2017-1.0.5-ic19.0u1

```
Filesystem Type Size Used Avail Use% Mounted on
tmpfs tmpfs 960G 8.3G 952G 1% /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 Lenovo -[PSE121C-1.50]- 01/16/2019
Memory:
96x Samsung M393A4K40CB2-CVF 32 GB 2 rank 2933
```

(End of data from sysinfo program)

## Compiler Version Notes

```
====
CC 500.perlbench_r(base) 502.gcc_r(base) 505.mcf_r(base) 525.x264_r(base)
557.xz_r(base)
=====
```

```
Intel(R) C Intel(R) 64 Compiler for applications running on Intel(R) 64,
Version 19.0.1.144 Build 20181018
Copyright (C) 1985-2018 Intel Corporation. All rights reserved.
=====
```

```
====
CXXC 520.omnetpp_r(base) 523.xalancbmk_r(base) 531.deepsjeng_r(base)
541.leela_r(base)
=====
```

```
Intel(R) C++ Intel(R) 64 Compiler for applications running on Intel(R) 64,
Version 19.0.1.144 Build 20181018
Copyright (C) 1985-2018 Intel Corporation. All rights reserved.
```

(Continued on next page)



# SPEC CPU2017 Integer Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

**Lenovo Global Technology**

SPECrate2017\_int\_base = 656

ThinkSystem SR950  
(2.20 GHz, Intel Xeon Platinum 8253)

SPECrate2017\_int\_peak = Not Run

**CPU2017 License:** 9017  
**Test Sponsor:** Lenovo Global Technology  
**Tested by:** Lenovo Global Technology

**Test Date:** Apr-2019  
**Hardware Availability:** Apr-2019  
**Software Availability:** Dec-2018

## Compiler Version Notes (Continued)

FC 548.exchange2\_r(base)

Intel(R) Fortran Intel(R) 64 Compiler for applications running on Intel(R) 64, Version 19.0.1.144 Build 20181018  
Copyright (C) 1985-2018 Intel Corporation. All rights reserved.

## Base Compiler Invocation

C benchmarks:  
icc -m64 -std=c11

C++ benchmarks:  
icpc -m64

Fortran benchmarks:  
ifort -m64

## Base Portability Flags

500.perlbench\_r: -DSPEC\_LP64 -DSPEC\_LINUX\_X64  
502.gcc\_r: -DSPEC\_LP64  
505.mcf\_r: -DSPEC\_LP64  
520.omnetpp\_r: -DSPEC\_LP64  
523.xalancbmk\_r: -DSPEC\_LP64 -DSPEC\_LINUX  
525.x264\_r: -DSPEC\_LP64  
531.deepsjeng\_r: -DSPEC\_LP64  
541.leela\_r: -DSPEC\_LP64  
548.exchange2\_r: -DSPEC\_LP64  
557.xz\_r: -DSPEC\_LP64

## Base Optimization Flags

C benchmarks:  
-Wl,-z,muldefs -xCORE-AVX512 -ipo -O3 -no-prec-div  
-qopt-mem-layout-trans=4  
-L/usr/local/IntelCompiler19/compilers\_and\_libraries\_2019.1.144/linux/compiler/lib/intel64  
-lqkmalloc

(Continued on next page)



# SPEC CPU2017 Integer Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Lenovo Global Technology

SPECrate2017\_int\_base = 656

ThinkSystem SR950  
(2.20 GHz, Intel Xeon Platinum 8253)

SPECrate2017\_int\_peak = Not Run

CPU2017 License: 9017

Test Date: Apr-2019

Test Sponsor: Lenovo Global Technology

Hardware Availability: Apr-2019

Tested by: Lenovo Global Technology

Software Availability: Dec-2018

## Base Optimization Flags (Continued)

C++ benchmarks:

```
-Wl,-z,muldefs -xCORE-AVX512 -ipo -O3 -no-prec-div  
-qopt-mem-layout-trans=4  
-L/usr/local/IntelCompiler19/compilers_and_libraries_2019.1.144/linux/compiler/lib/intel64  
-lqkmalloc
```

Fortran benchmarks:

```
-Wl,-z,muldefs -xCORE-AVX512 -ipo -O3 -no-prec-div  
-qopt-mem-layout-trans=4 -nostandard-realloc-lhs -align array32byte  
-L/usr/local/IntelCompiler19/compilers_and_libraries_2019.1.144/linux/compiler/lib/intel64  
-lqkmalloc
```

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

<http://www.spec.org/cpu2017/flags/Intel-ic18.0-official-linux64.2019-04-02.html>

<http://www.spec.org/cpu2017/flags/Lenovo-Platform-SPECcpu2017-Flags-V1.2-CLX-A.html>

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

<http://www.spec.org/cpu2017/flags/Intel-ic18.0-official-linux64.2019-04-02.xml>

<http://www.spec.org/cpu2017/flags/Lenovo-Platform-SPECcpu2017-Flags-V1.2-CLX-A.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](mailto:info@spec.org).

Tested with SPEC CPU2017 v1.0.5 on 2019-04-15 14:08:06-0400.

Report generated on 2019-05-15 13:39:04 by CPU2017 PDF formatter v6067.

Originally published on 2019-05-14.