SPEC® CINT2006 Result

Microsoft Corporation
(Test Sponsor: Kenji Mouri)

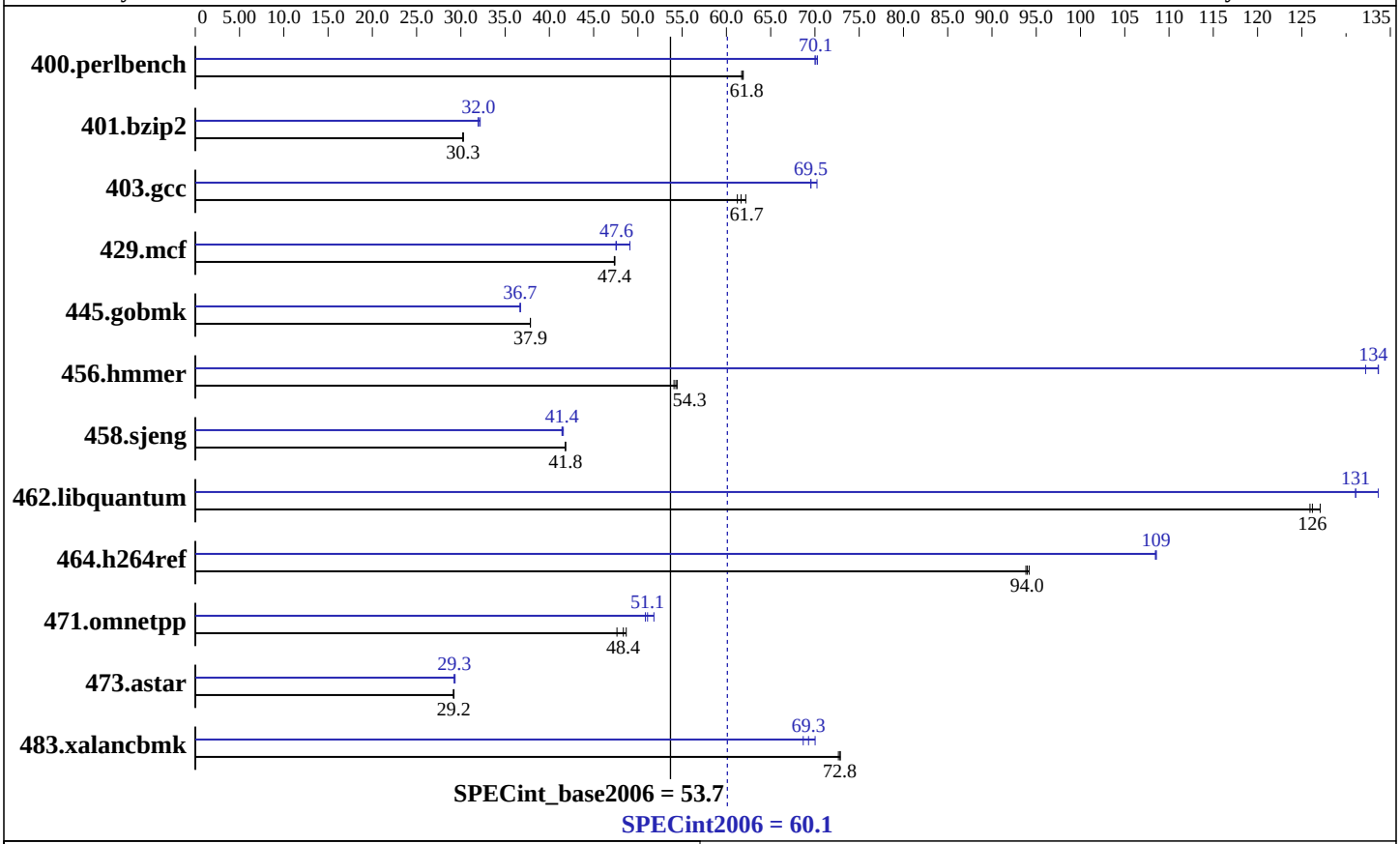
Azure Standard D64s v6

SPECint®2006 = 60.1

SPECint_base2006 = 53.7

CPU2006 license: 3939
Test sponsor: Kenji Mouri
Tested by: Misaki

Test date: Feb-2026
Hardware Availability: Feb-2026
Software Availability: Jan-2026



Hardware

CPU Name:	INTEL XEON PLATINUM 8573C
CPU Characteristics:	INTEL XEON PLATINUM 8573C @ 3.6GHz
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	32 cores, 1 chip, 32 cores/chip, 2 threads/core
CPU(s) orderable:	1 chips
Primary Cache:	1 MB I + 1.5 MB D on chip per core
Secondary Cache:	64 MB I+D on chip per core
L3 Cache:	260 MB
Other Cache:	None
Memory:	256 GB
Disk Subsystem:	256 GB Premium SSD
Other Hardware:	None

Software

Operating System:	Debian GNU/Linux 12 (bookworm) 6.1.0-43-cloud-amd64
Compiler:	C/C++/Fortran: Version 12.2.0 of GCC, the GNU Compiler Collection
Auto Parallel:	No
File System:	ext4
System State:	Run level 3 (multi-user)
Base Pointers:	64-bit
Peak Pointers:	64-bit
Other Software:	None

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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	158	61.9	**158**	**61.8**	158	61.7	139	70.3	**139**	**70.1**	140	70.0
401.bzip2	319	30.2	319	30.3	**319**	**30.3**	302	31.9	300	32.2	**301**	**32.0**
403.gcc	129	62.2	**131**	**61.7**	131	61.2	**116**	**69.5**	115	70.2	116	69.5
429.mcf	192	47.4	**192**	**47.4**	193	47.3	**192**	**47.6**	186	49.1	192	47.5
445.gobmk	277	37.8	277	37.9	**277**	**37.9**	**286**	**36.7**	286	36.7	286	36.7
456.hmmer	**172**	**54.3**	173	54.1	171	54.4	69.8	134	70.6	132	**69.8**	**134**
458.sjeng	289	41.8	289	41.8	**289**	**41.8**	292	41.4	**292**	**41.4**	291	41.6
462.libquantum	165	126	**164**	**126**	163	127	**158**	**131**	158	131	155	134
464.h264ref	236	93.8	**235**	**94.0**	235	94.2	204	108	**204**	**109**	204	109
471.omnetpp	128	48.7	**129**	**48.4**	131	47.6	121	51.8	123	50.8	**122**	**51.1**
473.astar	241	29.2	**241**	**29.2**	240	29.2	**240**	**29.3**	239	29.3	240	29.3
483.xalancbmk	**94.7**	**72.8**	94.7	72.9	95.0	72.6	**99.6**	**69.3**	98.5	70.0	100	68.7

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

Platform Notes

```
Sysinfo program /home/misaki/Library/cpu2006/Docs/sysinfo.new
Revision 6993 of 2015-11-06 (b5e8d4b4eb51ed28d7f98696cbe290c1)
running on HimiMisakiBenchmarkIntel64 Fri Feb 13 01:37:41 2026

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/cpu2006/Docs/config.html#sysinfo

From /proc/cpuinfo
   model name : INTEL(R) XEON(R) PLATINUM 8573C
      1 "physical id"s (chips)
      64 "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 : 32
      siblings  : 64
      physical 0: cores 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
      22 23 24 25 26 27 28 29 30 31
   cache size : 266240 KB

From /proc/meminfo
   MemTotal:       263920464 kB
   HugePages_Total:       0
   Hugepagesize:       2048 kB

/usr/bin/lsb_release -d
   Debian GNU/Linux 12 (bookworm)
```

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Platform Notes (Continued)

```
From /etc/*release* /etc/*version*
   cloud-release:
      ID=azure
      VERSION="20260210-2384"
   debian_version: 12.13
   os-release:
      PRETTY_NAME="Debian GNU/Linux 12 (bookworm)"
      NAME="Debian GNU/Linux"
      VERSION_ID="12"
      VERSION="12 (bookworm)"
      VERSION_CODENAME=bookworm
      ID=debian
      HOME_URL="https://www.debian.org/"
      SUPPORT_URL="https://www.debian.org/support"

uname -a:
   Linux HimiMisakiBenchmarkIntel64 6.1.0-43-cloud-amd64 #1 SMP PREEMPT_DYNAMIC
   Debian 6.1.162-1 (2026-02-08) x86_64 GNU/Linux

run-level 5 Feb 12 10:05

SPEC is set to: /home/misaki/Library/cpu2006
   Filesystem     Type  Size  Used Avail Use% Mounted on
   /dev/nvme0n1p1 ext4  252G  8.4G  233G   4% /
Additional information from dmidecode:

   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.


(End of data from sysinfo program)
```

Base Compiler Invocation

C benchmarks:
gcc

C++ benchmarks:
g++

Base Portability Flags

400.perlbench: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX_X64
401.bzip2: -DSPEC_CPU_LP64

Continued on next page

Base Portability Flags (Continued)

403.gcc: -DSPEC_CPU_LP64
429.mcf: -DSPEC_CPU_LP64
445.gobmk: -DSPEC_CPU_LP64
456.hmmer: -DSPEC_CPU_LP64
458.sjeng: -DSPEC_CPU_LP64
462.libquantum: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX
464.h264ref: -DSPEC_CPU_LP64 -fsigned-char
471.omnetpp: -DSPEC_CPU_LP64
473.astar: -DSPEC_CPU_LP64
483.xalancbmk: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX

Base Optimization Flags

C benchmarks:
-std=gnu89 -m64 -march=native -O2 -flto -fno-strict-aliasing

C++ benchmarks:
-std=c++03 -m64 -march=native -O2 -flto -fno-strict-aliasing

Peak Compiler Invocation

C benchmarks:
gcc

C++ benchmarks:
g++

Peak Portability Flags

Same as Base Portability Flags

Peak Optimization Flags

C benchmarks:
-std=gnu89 -m64 -fprofile-generate(pass 1) -fprofile-use(pass 2)
-march=native -Ofast -flto -fno-strict-aliasing
-fno-unsafe-math-optimizations -fno-finite-math-only -funroll-loops

C++ benchmarks:
-std=c++03 -m64 -fprofile-generate(pass 1) -fprofile-use(pass 2)
-march=native -Ofast -flto -fno-strict-aliasing
-fno-unsafe-math-optimizations -fno-finite-math-only -funroll-loops

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

Tested with SPEC CPU2006 v1.2.
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