OCIO Version: 2.4.1

OCIO Config. file: './Downloads/studio-config-aces-v1-and-v2.ocio'

OCIO Config. version: 2.4

OCIO search\_path:

Processing statistics:

Processing from 'ACES2065-1' to '(sRGB - Display, ACES 1.0 - SDR Video)'

Create the config identifier: For 10 iterations, it took: [6.28502, 0.000148455, 0.628635] ms

Create the context identifier: For 10 iterations, it took: [0.001128, 4.34444e-05, 0.0001519] ms

Create the (display, view) processor: For 10 iterations, it took: [10.3092, 0.194431, 1.20591] ms

Create the optimized processor: For 10 iterations, it took: [0.057036, 0.000607889, 0.0062507] ms

Create the GPU processor: For 10 iterations, it took: [0.116527, 0.000141888, 0.0117804] ms

Create the GPU shader: For 10 iterations, it took: [0.493415, 0.33978, 0.355143] ms

Create the CPU processor: For 10 iterations, it took: [0.096171, 0.000643, 0.0101958] ms

Image processing statistics:

Process the complete image (in place): For 10 iterations, it took: [720.317, 621.073, 630.997] ms

Process the complete image (two buffers): For 10 iterations, it took: [581.817, 605.455, 603.091] ms

OCIO Version: 2.4.1

OCIO Config. file: './Downloads/studio-config-aces-v1-and-v2.ocio'

OCIO Config. version: 2.4

OCIO search\_path:

Processing statistics:

Processing from 'ACES2065-1' to '(sRGB - Display, ACES 1.0 - SDR Video)'

Create the config identifier: For 10 iterations, it took: [5.67887, 0.00014517, 0.568018] ms

Create the context identifier: For 10 iterations, it took: [0.001254, 4.05556e-05, 0.0001619] ms

Create the (display, view) processor: For 10 iterations, it took: [0.59058, 0.11054, 0.158544] ms

Create the optimized processor: For 10 iterations, it took: [0.050839, 0.000617778, 0.0056399] ms

Create the GPU processor: For 10 iterations, it took: [0.114694, 0.000138889, 0.0115944] ms

Create the GPU shader: For 10 iterations, it took: [0.460876, 0.340186, 0.352255] ms

Create the CPU processor: For 10 iterations, it took: [0.099768, 0.00064489, 0.0105572] ms

Image processing statistics:

Process the complete image (in place): For 10 iterations, it took: [567.59, 609.205, 605.043] ms

Process the complete image (two buffers): For 10 iterations, it took: [611.787, 614.716, 614.423] ms

OCIO Version: 2.4.1

OCIO Config. file: './Downloads/studio-config-aces-v1-and-v2.ocio'

OCIO Config. version: 2.4

OCIO search\_path:

Processing statistics:

Processing from 'ACES2065-1' to '(sRGB - Display, ACES 1.0 - SDR Video)'

Create the config identifier: For 10 iterations, it took: [5.66638, 0.000149144, 0.566772] ms

Create the context identifier: For 10 iterations, it took: [0.001358, 4.36667e-05, 0.0001751] ms

Create the (display, view) processor: For 10 iterations, it took: [0.536015, 0.110164, 0.152749] ms

Create the optimized processor: For 10 iterations, it took: [0.051255, 0.000629889, 0.0056924] ms

Create the GPU processor: For 10 iterations, it took: [0.115086, 0.000141889, 0.0116363] ms

Create the GPU shader: For 10 iterations, it took: [0.443541, 0.339906, 0.350269] ms

Create the CPU processor: For 10 iterations, it took: [0.097598, 0.000652555, 0.0103471] ms

Image processing statistics:

Process the complete image (in place): For 10 iterations, it took: [635.273, 588.47, 593.151] ms

Process the complete image (two buffers): For 10 iterations, it took: [561.642, 610.09, 605.245] ms

OCIO Version: 2.4.2

Processing statistics:

Loading $OCIO ./Downloads/studio-config-aces-v1-and-v2.ocio

OCIO Config. version: 2.4

OCIO search\_path:

Processing from 'ACES2065-1' to '(sRGB - Display, ACES 1.0 - SDR Video)'

Create the config identifier: For 10 iterations, it took: [5.49804, 0.000138071, 0.549929] ms

Create the context identifier: For 10 iterations, it took: [0.001021, 4.41111e-05, 0.0001418] ms

Create the (display, view) processor: For 10 iterations, it took: [8.24541, 0.12971, 0.94128] ms

Create the optimized processor: For 10 iterations, it took: [0.052296, 0.000617333, 0.0057852] ms

Create the GPU processor: For 10 iterations, it took: [0.095902, 0.000141333, 0.0097174] ms

Create the GPU shader: For 10 iterations, it took: [0.455209, 0.341921, 0.35325] ms

Create the CPU processor: For 10 iterations, it took: [0.098697, 0.000655334, 0.0104595] ms

Image processing statistics:

Process the complete image (in place): For 10 iterations, it took: [760.067, 592.929, 609.643] ms

Process the complete image (two buffers): For 10 iterations, it took: [585.813, 610.684, 608.197] ms

OCIO Version: 2.4.2

Processing statistics:

Loading $OCIO ./Downloads/studio-config-aces-v1-and-v2.ocio

OCIO Config. version: 2.4

OCIO search\_path:

Processing from 'ACES2065-1' to '(sRGB - Display, ACES 1.0 - SDR Video)'

Create the config identifier: For 10 iterations, it took: [7.77388, 0.000164244, 0.777536] ms

Create the context identifier: For 10 iterations, it took: [0.001166, 4.54444e-05, 0.0001575] ms

Create the (display, view) processor: For 10 iterations, it took: [0.542321, 0.11041, 0.153601] ms

Create the optimized processor: For 10 iterations, it took: [0.046011, 0.000611999, 0.0051519] ms

Create the GPU processor: For 10 iterations, it took: [0.100589, 0.000138558, 0.0101836] ms

Create the GPU shader: For 10 iterations, it took: [0.448598, 0.343502, 0.354012] ms

Create the CPU processor: For 10 iterations, it took: [0.094742, 0.000654444, 0.0100632] ms

Image processing statistics:

Process the complete image (in place): For 10 iterations, it took: [678.398, 601.086, 608.817] ms

Process the complete image (two buffers): For 10 iterations, it took: [571.295, 601.163, 598.177] ms

OCIO Version: 2.4.2

Processing statistics:

Loading $OCIO ./Downloads/studio-config-aces-v1-and-v2.ocio

OCIO Config. version: 2.4

OCIO search\_path:

Processing from 'ACES2065-1' to '(sRGB - Display, ACES 1.0 - SDR Video)'

Create the config identifier: For 10 iterations, it took: [7.28275, 0.000173887, 0.728432] ms

Create the context identifier: For 10 iterations, it took: [0.001576, 4.3e-05, 0.0001963] ms

Create the (display, view) processor: For 10 iterations, it took: [0.544459, 0.110292, 0.153709] ms

Create the optimized processor: For 10 iterations, it took: [0.043802, 0.000604889, 0.0049246] ms

Create the GPU processor: For 10 iterations, it took: [0.09304, 0.000139666, 0.0094297] ms

Create the GPU shader: For 10 iterations, it took: [0.446089, 0.342033, 0.352439] ms

Create the CPU processor: For 10 iterations, it took: [0.100168, 0.000644666, 0.010597] ms

Image processing statistics:

Process the complete image (in place): For 10 iterations, it took: [612.574, 601.362, 602.483] ms

Process the complete image (two buffers): For 10 iterations, it took: [612.712, 616.969, 616.543] ms

OCIO Version: 2.4.1

OCIO Config. file: './Downloads/studio-config-aces-v1-and-v2.ocio'

OCIO Config. version: 2.4

OCIO search\_path:

Processing statistics:

Processing from 'ACES2065-1' to '(sRGB - Display, ACES 2.0 - SDR 100 nits (Rec.709))'

Create the config identifier: For 10 iterations, it took: [3.14637, 8.25193e-05, 0.314712] ms

Create the context identifier: For 10 iterations, it took: [0.000594, 2.24444e-05, 7.96e-05] ms

Create the (display, view) processor: For 10 iterations, it took: [0.253543, 0.0497514, 0.0701306] ms

Create the optimized processor: For 10 iterations, it took: [0.019147, 0.000320444, 0.0022031] ms

Create the GPU processor: For 10 iterations, it took: [0.036399, 8.00002e-05, 0.0037119] ms

Create the GPU shader: For 10 iterations, it took: [3.43559, 3.33824, 3.34797] ms

Create the CPU processor: For 10 iterations, it took: [2.85905, 0.000359456, 0.286229] ms

Image processing statistics:

Process the complete image (in place): For 10 iterations, it took: [3332.25, 3315.49, 3317.17] ms

Process the complete image (two buffers): For 10 iterations, it took: [3314.43, 3318.59, 3318.17] ms

OCIO Version: 2.4.1

OCIO Config. file: './Downloads/studio-config-aces-v1-and-v2.ocio'

OCIO Config. version: 2.4

OCIO search\_path:

Processing statistics:

Processing from 'ACES2065-1' to '(sRGB - Display, ACES 2.0 - SDR 100 nits (Rec.709))'

Create the config identifier: For 10 iterations, it took: [3.31491, 8.39763e-05, 0.331566] ms

Create the context identifier: For 10 iterations, it took: [0.000613, 2.4e-05, 8.29e-05] ms

Create the (display, view) processor: For 10 iterations, it took: [0.259849, 0.0548549, 0.0753543] ms

Create the optimized processor: For 10 iterations, it took: [0.0216, 0.000343889, 0.0024695] ms

Create the GPU processor: For 10 iterations, it took: [0.041461, 7.91115e-05, 0.0042173] ms

Create the GPU shader: For 10 iterations, it took: [3.56639, 3.31194, 3.33739] ms

Create the CPU processor: For 10 iterations, it took: [2.91526, 0.000347906, 0.29184] ms

Image processing statistics:

Process the complete image (in place): For 10 iterations, it took: [3305.34, 3263.74, 3267.9] ms

Process the complete image (two buffers): For 10 iterations, it took: [3265.34, 3302.56, 3298.84] ms

OCIO Version: 2.4.1

OCIO Config. file: './Downloads/studio-config-aces-v1-and-v2.ocio'

OCIO Config. version: 2.4

OCIO search\_path:

Processing statistics:

Processing from 'ACES2065-1' to '(sRGB - Display, ACES 2.0 - SDR 100 nits (Rec.709))'

Create the config identifier: For 10 iterations, it took: [5.65669, 0.00015884, 0.565812] ms

Create the context identifier: For 10 iterations, it took: [0.001322, 5.43333e-05, 0.0001811] ms

Create the (display, view) processor: For 10 iterations, it took: [0.391479, 0.0945397, 0.124234] ms

Create the optimized processor: For 10 iterations, it took: [0.028209, 0.000596222, 0.0033575] ms

Create the GPU processor: For 10 iterations, it took: [0.066165, 0.000156221, 0.0067571] ms

Create the GPU shader: For 10 iterations, it took: [6.22852, 5.44886, 5.52682] ms

Create the CPU processor: For 10 iterations, it took: [2.94824, 0.00036992, 0.295157] ms

Image processing statistics:

Process the complete image (in place): For 10 iterations, it took: [3322.18, 3313.13, 3314.03] ms

Process the complete image (two buffers): For 10 iterations, it took: [3330.78, 3313.91, 3315.6] ms

OCIO Version: 2.4.2

Processing statistics:

Loading $OCIO ./Downloads/studio-config-aces-v1-and-v2.ocio

OCIO Config. version: 2.4

OCIO search\_path:

Processing from 'ACES2065-1' to '(sRGB - Display, ACES 2.0 - SDR 100 nits (Rec.709))'

Create the config identifier: For 10 iterations, it took: [5.55829, 0.000156032, 0.555969] ms

Create the context identifier: For 10 iterations, it took: [0.001548, 4.21111e-05, 0.0001927] ms

Create the (display, view) processor: For 10 iterations, it took: [0.438857, 0.0959321, 0.130225] ms

Create the optimized processor: For 10 iterations, it took: [0.032132, 0.000603222, 0.0037561] ms

Create the GPU processor: For 10 iterations, it took: [0.044743, 0.000139778, 0.0046001] ms

Create the GPU shader: For 10 iterations, it took: [6.83476, 6.63429, 6.65434] ms

Create the CPU processor: For 10 iterations, it took: [6.06121, 0.000661691, 0.606717] ms

Image processing statistics:

Process the complete image (in place): For 10 iterations, it took: [2532.69, 2517.47, 2519] ms

Process the complete image (two buffers): For 10 iterations, it took: [2524.88, 2546.45, 2544.3] ms

OCIO Version: 2.4.2

Processing statistics:

Loading $OCIO ./Downloads/studio-config-aces-v1-and-v2.ocio

OCIO Config. version: 2.4

OCIO search\_path:

Processing from 'ACES2065-1' to '(sRGB - Display, ACES 2.0 - SDR 100 nits (Rec.709))'

Create the config identifier: For 10 iterations, it took: [5.55495, 0.000142468, 0.555623] ms

Create the context identifier: For 10 iterations, it took: [0.001031, 4.24444e-05, 0.0001413] ms

Create the (display, view) processor: For 10 iterations, it took: [0.390673, 0.0955199, 0.125035] ms

Create the optimized processor: For 10 iterations, it took: [0.028311, 0.000587667, 0.00336] ms

Create the GPU processor: For 10 iterations, it took: [0.044457, 0.000144444, 0.0045757] ms

Create the GPU shader: For 10 iterations, it took: [6.76952, 4.67617, 4.8855] ms

Create the CPU processor: For 10 iterations, it took: [3.15857, 0.000347137, 0.31617] ms

Image processing statistics:

Process the complete image (in place): For 10 iterations, it took: [2532.75, 2512.36, 2514.4] ms

Process the complete image (two buffers): For 10 iterations, it took: [2517.31, 2525.06, 2524.29] ms

OCIO Version: 2.4.2

Processing statistics:

Loading $OCIO ./Downloads/studio-config-aces-v1-and-v2.ocio

OCIO Config. version: 2.4

OCIO search\_path:

Processing from 'ACES2065-1' to '(sRGB - Display, ACES 2.0 - SDR 100 nits (Rec.709))'

Create the config identifier: For 10 iterations, it took: [8.48887, 0.000288857, 0.849147] ms

Create the context identifier: For 10 iterations, it took: [0.002004, 4.16667e-05, 0.0002379] ms

Create the (display, view) processor: For 10 iterations, it took: [0.420028, 0.0952589, 0.127736] ms

Create the optimized processor: For 10 iterations, it took: [0.027943, 0.000616333, 0.003349] ms

Create the GPU processor: For 10 iterations, it took: [0.044591, 0.000148556, 0.0045928] ms

Create the GPU shader: For 10 iterations, it took: [6.77641, 6.79157, 6.79005] ms

Create the CPU processor: For 10 iterations, it took: [3.95254, 0.0003678, 0.395585] ms

Image processing statistics:

Process the complete image (in place): For 10 iterations, it took: [2533.15, 2510.75, 2512.99] ms

Process the complete image (two buffers): For 10 iterations, it took: [2527.06, 2511.75, 2513.29] ms

processor : 0

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 788.942

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 0

cpu cores : 24

apicid : 0

initial apicid : 0

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 1

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 799.991

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 1

cpu cores : 24

apicid : 2

initial apicid : 2

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 2

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 2

cpu cores : 24

apicid : 4

initial apicid : 4

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 3

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 3

cpu cores : 24

apicid : 6

initial apicid : 6

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 4

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 4

cpu cores : 24

apicid : 8

initial apicid : 8

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 5

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 5

cpu cores : 24

apicid : 10

initial apicid : 10

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 6

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 6

cpu cores : 24

apicid : 12

initial apicid : 12

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 7

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 7

cpu cores : 24

apicid : 14

initial apicid : 14

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 8

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 8

cpu cores : 24

apicid : 16

initial apicid : 16

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 9

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 9

cpu cores : 24

apicid : 18

initial apicid : 18

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 10

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 10

cpu cores : 24

apicid : 20

initial apicid : 20

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 11

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 11

cpu cores : 24

apicid : 22

initial apicid : 22

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 12

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 12

cpu cores : 24

apicid : 24

initial apicid : 24

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 13

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 13

cpu cores : 24

apicid : 26

initial apicid : 26

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 14

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 14

cpu cores : 24

apicid : 28

initial apicid : 28

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 15

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 15

cpu cores : 24

apicid : 30

initial apicid : 30

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 16

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 799.696

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 16

cpu cores : 24

apicid : 32

initial apicid : 32

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 17

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 17

cpu cores : 24

apicid : 34

initial apicid : 34

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 18

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 18

cpu cores : 24

apicid : 36

initial apicid : 36

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 19

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 19

cpu cores : 24

apicid : 38

initial apicid : 38

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 20

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.106

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 20

cpu cores : 24

apicid : 40

initial apicid : 40

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 21

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 21

cpu cores : 24

apicid : 42

initial apicid : 42

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 22

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.085

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 22

cpu cores : 24

apicid : 44

initial apicid : 44

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 23

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.085

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 23

cpu cores : 24

apicid : 46

initial apicid : 46

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 24

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 0

cpu cores : 24

apicid : 1

initial apicid : 1

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 25

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 1

cpu cores : 24

apicid : 3

initial apicid : 3

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 26

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 2

cpu cores : 24

apicid : 5

initial apicid : 5

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 27

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 3

cpu cores : 24

apicid : 7

initial apicid : 7

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 28

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 4

cpu cores : 24

apicid : 9

initial apicid : 9

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 29

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 5

cpu cores : 24

apicid : 11

initial apicid : 11

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 30

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 6

cpu cores : 24

apicid : 13

initial apicid : 13

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 31

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 7

cpu cores : 24

apicid : 15

initial apicid : 15

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 32

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 8

cpu cores : 24

apicid : 17

initial apicid : 17

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 33

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 9

cpu cores : 24

apicid : 19

initial apicid : 19

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 34

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 10

cpu cores : 24

apicid : 21

initial apicid : 21

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 35

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 11

cpu cores : 24

apicid : 23

initial apicid : 23

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 36

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 12

cpu cores : 24

apicid : 25

initial apicid : 25

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 37

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 13

cpu cores : 24

apicid : 27

initial apicid : 27

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 38

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 14

cpu cores : 24

apicid : 29

initial apicid : 29

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 39

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 15

cpu cores : 24

apicid : 31

initial apicid : 31

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 40

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 16

cpu cores : 24

apicid : 33

initial apicid : 33

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 41

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 17

cpu cores : 24

apicid : 35

initial apicid : 35

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 42

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 18

cpu cores : 24

apicid : 37

initial apicid : 37

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 43

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 19

cpu cores : 24

apicid : 39

initial apicid : 39

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 44

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 20

cpu cores : 24

apicid : 41

initial apicid : 41

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 45

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 21

cpu cores : 24

apicid : 43

initial apicid : 43

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 46

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 22

cpu cores : 24

apicid : 45

initial apicid : 45

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management:

processor : 47

vendor\_id : GenuineIntel

cpu family : 6

model : 143

model name : Intel(R) Xeon(R) w7-2495X

stepping : 8

microcode : 0x2b0005c0

cpu MHz : 800.000

cache size : 46080 KB

physical id : 0

siblings : 48

core id : 23

cpu cores : 24

apicid : 47

initial apicid : 47

fpu : yes

fpu\_exception : yes

cpuid level : 32

wp : yes

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 aperfmperf tsc\_known\_freq pni pclmulqdq dtes64 monitor 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 cat\_l2 cdp\_l3 intel\_ppin cdp\_l2 ssbd mba ibrs ibpb stibp ibrs\_enhanced tpr\_shadow flexpriority ept vpid ept\_ad fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 erms invpcid rtm cqm rdt\_a avx512f avx512dq rdseed adx smap avx512ifma clflushopt clwb intel\_pt avx512cd sha\_ni avx512bw avx512vl xsaveopt xsavec xgetbv1 xsaves cqm\_llc cqm\_occup\_llc cqm\_mbm\_total cqm\_mbm\_local split\_lock\_detect avx\_vnni avx512\_bf16 wbnoinvd dtherm ida arat pln pts hwp hwp\_act\_window hwp\_epp hwp\_pkg\_req vnmi avx512vbmi umip pku ospke waitpkg avx512\_vbmi2 gfni vaes vpclmulqdq avx512\_vnni avx512\_bitalg tme avx512\_vpopcntdq la57 rdpid bus\_lock\_detect cldemote movdiri movdir64b enqcmd fsrm md\_clear serialize tsxldtrk pconfig arch\_lbr ibt amx\_bf16 avx512\_fp16 amx\_tile amx\_int8 flush\_l1d arch\_capabilities

vmx flags : vnmi preemption\_timer posted\_intr invvpid ept\_x\_only ept\_ad ept\_1gb ept\_5level flexpriority apicv tsc\_offset vtpr mtf vapic ept vpid unrestricted\_guest vapic\_reg vid ple pml ept\_violation\_ve ept\_mode\_based\_exec tsc\_scaling usr\_wait\_pause notify\_vm\_exiting ipi\_virt

bugs : spectre\_v1 spectre\_v2 spec\_store\_bypass swapgs eibrs\_pbrsb bhi

bogomips : 4992.00

clflush size : 64

cache\_alignment : 64

address sizes : 52 bits physical, 57 bits virtual

power management: