Source File:

uname -a echo "========" echo "Display Kernel information" uname -r echo "========" echo "Show which version of red Hat installed" cat /etc/os-release echo "========" echo "Show how long the system has been running + loading" uptime	#!/bin/bash
echo "=======" echo "Display Kernel information" uname -r echo "========" echo "Show which version of red Hat installed" cat /etc/os-release echo "========" echo "Show how long the system has been running + loading" uptime echo "========" echo "Show system host name" hostname	echo "Display linux system information"
"=======" echo "Display Kernel information" uname -r echo "========" echo "Show which version of red Hat installed" cat /etc/os-release echo "========" echo "Show how long the system has been running + loading" uptime echo "=========" echo "Show system host name" hostname	uname -a
echo "Display Kernel information" uname -r echo "=======" echo "Show which version of red Hat installed" cat /etc/os-release echo "========" echo "Show how long the system has been running + loading" uptime echo "========" echo "Show system host name" hostname	echo
echo "Display Kernel information" uname -r echo "========" echo "Show which version of red Hat installed" cat /etc/os-release echo "========" echo "Show how long the system has been running + loading" uptime echo "========" echo "Show system host name" hostname	"======================================
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echo "=======" echo "Show which version of red Hat installed" cat /etc/os-release echo "=======" echo "Show how long the system has been running + loading" uptime echo "========" echo "Show system host name" hostname	echo "Display Kernel information"
"=======" echo "Show which version of red Hat installed" cat /etc/os-release echo "========" echo "Show how long the system has been running + loading" uptime echo "========" echo "Show system host name" hostname	uname -r
echo "Show which version of red Hat installed" cat /etc/os-release echo "========" echo "Show how long the system has been running + loading" uptime echo "========" echo "Show system host name" hostname	echo
echo "Show which version of red Hat installed" cat /etc/os-release echo "========" echo "Show how long the system has been running + loading" uptime echo "====================================	"======================================
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echo "=======" echo "Show how long the system has been running + loading" uptime echo "========" echo "Show system host name" hostname	echo "Show which version of red Hat installed"
"=======" echo "Show how long the system has been running + loading" uptime echo "========" echo "Show system host name" hostname	cat /etc/os-release
echo "Show how long the system has been running + loading" uptime echo "========" echo "Show system host name" hostname	echo
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uptime echo "=======" echo "Show system host name" hostname	======"
echo "========" ======" echo "Show system host name" hostname	echo "Show how long the system has been running + loading"
"=======" ======" echo "Show system host name" hostname	uptime
echo "Show system host name" hostname	echo
hostname	
hostname	acho "Shaw system hast name"
	•
	"=====================================

========="
echo "Show all local IP address of the host" hostname -I echo "
========="
echo "Show system rebot history" last reboot echo
========"
echo "Show current date and time" date echo "====================================
========"
echo "Show this month's calender" cal echo
========="
echo "Display who is online" w echo
"

	====="	
echo "Wh	o you are logged in as"	
whoami		
echo		
"======		:=:
======		==
======	====="	
	play the user and group ids of your current user"	
id		
echo 		
"======		:=:
	olay the last user who have logged onto the system"	
echo "Dis system. la	play the last user who have logged onto the system" est	
echo "Dis system. la echo "======	play the last user who have logged onto the system"	:=:
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echo "Dis system. la echo "====== ========	play the last user who have logged onto the system" st	:=:
echo "Dis system. la echo "====== =============================	play the last user who have logged onto the system" ===================================	:=:
echo "Dis system. la echo "====== ======== echo "Sho who	play the last user who have logged onto the system" ===================================	==:
echo "Dis system. la echo "====== =======	play the last user who have logged onto the system" ===================================	:=:
echo "Dis system. la echo "====== ======== echo "Sho who	play the last user who have logged onto the system" ===================================	:=: ==:
echo "Dis system. la echo "====== echo "Sho who echo "======	play the last user who have logged onto the system" ===================================	:=: ==:
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echo "Dis system. la echo "====== echo "Sho who echo "======	play the last user who have logged onto the system" ist	:=:

echo
"======================================
========="
echo "Display the last user who have been logged onto the system" cat /proc/meminfo echo "
=======================================
========="
echo "Display free and used memory" free -h echo "====================================
=======================================
echo "Display PCI devicesr GB.)" Ispci -tv echo
"======================================
=======================================
echo "Display USB devices" Isusb -tv echo "====================================
=======================================
echo "Display Context Switching between processor" cat /proc/stat

Output: _____ rcoem@rcoem-Vostro-3910:~/c1tina\$./Tinaprac1.sh Display linux system information Linux rcoem-Vostro-3910 5.15.0-46-generic #49~20.04.1-Ubuntu SMP Thu Aug 4 19:15:44 UTC 2022 x86 64 x86 64 x86 64 GNU/Linux ______ Display Kernel information 5.15.0-46-generic _____ Show which version of red Hat installed NAME="Ubuntu" VERSION="20.04.5 LTS (Focal Fossa)" ID=ubuntu ID LIKE=debian PRETTY NAME="Ubuntu 20.04.5 LTS" VERSION ID="20.04" HOME URL="https://www.ubuntu.com/" SUPPORT URL="https://help.ubuntu.com/" BUG REPORT URL="https://bugs.launchpad.net/ubuntu/" PRIVACY POLICY URL="https://www.ubuntu.com/legal/terms-and-policies/privacy-policy" VERSION CODENAME=focal UBUNTU CODENAME=focal ______ Show how long the system has been running + loading 16:11:28 up 1:27, 1 user, load average: 0.07, 0.13, 0.13 _____ Show system host name rcoem-Vostro-3910 ______ _____ Show all local IP address of the host 172.16.192.164 ______ _____

Show system rebot history

reboot system boot 5.15.0-46-generi Mon Jan 29 20:14 still running reboot system boot 5.15.0-46-generi Thu Jan 25 14:30 - 17:16 (02:45)

```
reboot system boot 5.15.0-46-generi Thu Jan 25 10:06 - 13:01 (02:54)
reboot system boot 5.15.0-46-generi Thu Jan 25 14:46 - 10:01 (-4:45)
reboot system boot 5.15.0-46-generi Tue Jan 23 10:15 - 10:16 (00:00)
reboot system boot 5.15.0-46-generi Sat Jan 20 16:44 - 12:50 (-3:53)
reboot system boot 5.15.0-46-generi Sat Jan 20 07:01 - 07:02 (00:00)
reboot system boot 5.15.0-46-generi Sat Jan 20 03:44 - 05:31 (01:46)
reboot system boot 5.15.0-46-generi Fri Jan 19 10:35 - 10:36 (00:00)
wtmp begins Fri Jan 19 10:35:55 2024
______
_____
Show current date and time
Monday 29 January 2024 04:11:28 PM IST
______
Show this month's calender
    January 2024
Su Mo Tu We Th Fr Sa
    1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31
______
Display who is online
16:11:28 up 1:27, 1 user, load average: 0.07, 0.13, 0.13
USER TTY
                   LOGIN@ IDLE JCPU PCPU WHAT
         FROM
rcoem :0
         :0
                   20:14 ?xdm? 6:01 0.01s /usr/lib/gdm3/gdm-x-session --run-script env
GNOME SHELL SESSION MODE=ubuntu/usr/bin/gnome-session --s
______
Who you are logged in as
rcoem
______
______
Display the user and group ids of your current user
uid=1000(rcoem) gid=1000(rcoem)
groups=1000(rcoem),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),120(lpadmin),132(lxd),133(sambas
hare)
______
_____
Display the last user who have logged onto the system
./Tinaprac1.sh: line 52: system.: command not found
_______
______
Show Who is logged into the system
rcoem :0
         2024-01-29 20:14 (:0)
```

Display CPU information

processor : 0

vendor_id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 942.904 cache size : 25600 KB

physical id : 0
siblings : 20
core id : 0
cpu cores : 12
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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch_lbr flush_11d arch_capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc_offset vtpr mtf vapic ept vpid unrestricted_guest vapic_reg vid ple shadow_vmcs

ept mode based exectsc scaling usr wait pause

bugs : spectre_v1 spectre_v2 spec_store_bypass swapgs

bogomips : 4224.00 clflush size : 64 cache_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor : 1

vendor_id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c cpu MHz : 2100.000 cache size : 25600 KB

physical id : 0 siblings : 20 core id : 0 cpu cores : 12 apicid : 1 initial apicid : 1

fpu_exception : yes cpuid level : 32

: ves

wp : yes

fpu

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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch_lbr flush_11d arch_capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc_offset vtpr mtf vapic ept vpid unrestricted_guest vapic_reg vid ple shadow_vmcs ept mode based exec tsc scaling usr wait pause

bugs : spectre v1 spectre v2 spec store bypass swapgs

bogomips : 4224.00 clflush size : 64 cache_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor: 2

vendor_id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 2100.000 cache size : 25600 KB

physical id : 0
siblings : 20
core id : 4
cpu cores : 12
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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch_lbr flush_11d arch_capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc_offset vtpr mtf vapic ept vpid unrestricted_guest vapic_reg vid ple shadow_vmcs

ept_mode_based_exec tsc_scaling usr_wait_pause

bugs : spectre_v1 spectre_v2 spec_store_bypass swapgs

bogomips : 4224.00 clflush size : 64 cache_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor : 3

vendor id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 2100.000 cache size : 25600 KB

physical id : 0
siblings : 20
core id : 4
cpu cores : 12
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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split lock detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp

hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch lbr flush 11d arch capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc offset vtpr mtf vapic ept vpid unrestricted guest vapic reg vid ple shadow vmcs

ept mode based exectsc scaling usr wait pause

bugs : spectre_v1 spectre_v2 spec_store_bypass swapgs

bogomips : 4224.00 clflush size : 64 cache_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor: 4

vendor_id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 2100.000 cache size : 25600 KB

physical id : 0 siblings : 20 core id : 8 cpu cores : 12 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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch_lbr flush_l1d arch_capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc_offset vtpr mtf vapic ept vpid unrestricted_guest vapic_reg vid ple shadow_vmcs

ept mode based exectsc scaling usr wait pause

bugs : spectre v1 spectre v2 spec store bypass swapgs

bogomips : 4224.00 clflush size : 64 cache_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor : 5

vendor_id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 2100.000 cache size : 25600 KB

physical id : 0
siblings : 20
core id : 8
cpu cores : 12
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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch_lbr flush_l1d arch_capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc_offset vtpr mtf vapic ept vpid unrestricted_guest vapic_reg vid ple shadow_vmcs

ept_mode_based_exec tsc_scaling usr_wait_pause

bugs : spectre_v1 spectre_v2 spec_store_bypass swapgs

bogomips: 4224.00 clflush size: 64 cache alignment: 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor : 6

vendor_id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 934.118

cache size : 25600 KB

physical id : 0 siblings : 20

core id : 12 cpu cores : 12 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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch_lbr flush_l1d arch_capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc_offset vtpr mtf vapic ept vpid unrestricted_guest vapic_reg vid ple shadow_vmcs

ept_mode_based_exec tsc_scaling usr_wait_pause

bugs : spectre_v1 spectre_v2 spec_store_bypass swapgs

bogomips : 4224.00 clflush size : 64 cache_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor: 7

vendor id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 2100.000 cache size : 25600 KB

physical id : 0 siblings : 20 core id : 12 cpu cores : 12 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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch_lbr flush_11d arch_capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc_offset vtpr mtf vapic ept vpid unrestricted_guest vapic_reg vid ple shadow_vmcs

ept mode based exectsc scaling usr wait pause

bugs : spectre_v1 spectre_v2 spec_store_bypass swapgs

bogomips : 4224.00 clflush size : 64 cache_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor: 8

vendor_id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 999.802 cache size : 25600 KB

physical id : 0 siblings : 20

core id : 16 cpu cores : 12

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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split lock detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp

hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch lbr flush 11d arch capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc offset vtpr mtf vapic ept vpid unrestricted guest vapic reg vid ple shadow vmcs

ept mode based exectsc scaling usr wait pause

bugs : spectre_v1 spectre_v2 spec_store_bypass swapgs

bogomips : 4224.00 clflush size : 64 cache_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor: 9

vendor_id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 2100.000 cache size : 25600 KB

physical id : 0
siblings : 20
core id : 16
cpu cores : 12
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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch_lbr flush_l1d arch_capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc_offset vtpr mtf vapic ept vpid unrestricted_guest vapic_reg vid ple shadow_vmcs

ept mode based exectsc scaling usr wait pause

bugs : spectre v1 spectre v2 spec store bypass swapgs

bogomips : 4224.00 clflush size : 64 cache_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor: 10

vendor_id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 1002.014 cache size : 25600 KB

physical id : 0
siblings : 20
core id : 20
cpu cores : 12
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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch_lbr flush_11d arch_capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc_offset vtpr mtf vapic ept vpid unrestricted_guest vapic_reg vid ple shadow_vmcs

ept_mode_based_exec tsc_scaling usr_wait_pause

bugs : spectre_v1 spectre_v2 spec_store_bypass swapgs

bogomips: 4224.00 clflush size: 64 cache alignment: 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor : 11

vendor_id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 2100.000

cache size : 25600 KB

physical id : 0 siblings : 20

core id : 20 cpu cores : 12 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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch_lbr flush_11d arch_capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc_offset vtpr mtf vapic ept vpid unrestricted_guest vapic_reg vid ple shadow_vmcs

ept_mode_based_exec tsc_scaling usr_wait_pause

bugs : spectre_v1 spectre_v2 spec_store_bypass swapgs

bogomips : 4224.00 clflush size : 64 cache_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor : 12

vendor id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 939.678 cache size : 25600 KB

physical id : 0 siblings : 20 core id : 24 cpu cores : 12 apicid : 48 initial apicid : 48 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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch_lbr flush_11d arch_capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc_offset vtpr mtf vapic ept vpid unrestricted_guest vapic_reg vid ple shadow_vmcs

ept_mode_based_exec tsc_scaling usr_wait_pause

bugs : spectre_v1 spectre_v2 spec_store_bypass swapgs

bogomips : 4224.00 clflush size : 64 cache_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor: 13

vendor_id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 2100.000 cache size : 25600 KB

physical id : 0 siblings : 20

core id : 24
cpu cores : 12
apicid : 49
initial apicid : 49
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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split lock detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp

hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch lbr flush 11d arch capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc offset vtpr mtf vapic ept vpid unrestricted guest vapic reg vid ple shadow vmcs

ept mode based exectsc scaling usr wait pause

bugs : spectre_v1 spectre_v2 spec_store_bypass swapgs

bogomips: 4224.00 clflush size: 64 cache_alignment: 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor: 14

vendor_id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 2100.000 cache size : 25600 KB

physical id : 0 siblings : 20 core id : 28 cpu cores : 12 apicid : 56 initial apicid : 56 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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch_lbr flush_l1d arch_capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc_offset vtpr mtf vapic ept vpid unrestricted_guest vapic_reg vid ple shadow_vmcs

ept mode based exectsc scaling usr wait pause

bugs : spectre v1 spectre v2 spec store bypass swapgs

bogomips : 4224.00 clflush size : 64 cache_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor: 15

vendor_id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 2100.000 cache size : 25600 KB

physical id : 0
siblings : 20
core id : 28
cpu cores : 12
apicid : 57
initial apicid : 57
fpu : yes
fpu exception : yes

fpu_exception : ye 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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch_lbr flush_11d arch_capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc_offset vtpr mtf vapic ept vpid unrestricted_guest vapic_reg vid ple shadow_vmcs

ept_mode_based_exec tsc_scaling usr_wait_pause

bugs : spectre_v1 spectre_v2 spec_store_bypass swapgs

bogomips: 4224.00 clflush size: 64 cache alignment: 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor: 16

vendor_id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 2100.000

cache size : 25600 KB

physical id : 0 siblings : 20

core id : 36 cpu cores : 12 apicid : 72 initial apicid : 72 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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch_lbr flush_11d arch_capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc_offset vtpr mtf vapic ept vpid unrestricted_guest vapic_reg vid ple shadow_vmcs

ept_mode_based_exec tsc_scaling usr_wait_pause

bugs : spectre_v1 spectre_v2 spec_store_bypass swapgs

bogomips : 4224.00 clflush size : 64 cache_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor : 17

vendor id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 2100.000 cache size : 25600 KB

physical id : 0 siblings : 20 core id : 37 cpu cores : 12 apicid : 74 initial apicid : 74 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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch_lbr flush_l1d arch_capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc_offset vtpr mtf vapic ept vpid unrestricted_guest vapic_reg vid ple shadow_vmcs

ept mode based exectsc scaling usr wait pause

bugs : spectre v1 spectre v2 spec store bypass swapgs

bogomips : 4224.00 clflush size : 64 cache_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor: 18

vendor_id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 2100.000 cache size : 25600 KB

physical id : 0 siblings : 20

core id : 38
cpu cores : 12
apicid : 76
initial apicid : 76
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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1

avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp

hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch lbr flush 11d arch capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc offset vtpr mtf vapic ept vpid unrestricted guest vapic reg vid ple shadow vmcs

ept mode based exectsc scaling usr wait pause

bugs : spectre_v1 spectre_v2 spec_store_bypass swapgs

bogomips : 4224.00 clflush size : 64 cache_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

power management:

processor: 19

vendor_id : GenuineIntel

cpu family : 6 model : 151

model name : 12th Gen Intel(R) Core(TM) i7-12700

stepping : 2 microcode : 0x2c

cpu MHz : 2100.000 cache size : 25600 KB

physical id : 0
siblings : 20
core id : 39
cpu cores : 12
apicid : 78
initial apicid : 78
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 sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect avx_vnni dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req umip pku ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear serialize pconfig arch_lbr flush_l1d arch_capabilities

vmx flags : vnmi preemption_timer posted_intr invvpid ept_x_only ept_ad ept_1gb flexpriority apicv tsc_offset vtpr mtf vapic ept vpid unrestricted_guest vapic_reg vid ple shadow_vmcs

ept mode based exectsc scaling usr wait pause

bugs : spectre v1 spectre v2 spec store bypass swapgs

bogomips : 4224.00 clflush size : 64 cache_alignment : 64

address sizes : 46 bits physical, 48 bits virtual

Display the last user who have been logged onto the system

MemTotal: 16065424 kB MemFree: 12788356 kB MemAvailable: 13628496 kB Buffers: 51008 kB Cached: 1467772 kB SwapCached: 0 kB Active: 533156 kB Inactive: 1772424 kB Active(anon): 3684 kB Inactive(anon): 1246096 kB Active(file): 529472 kB Inactive(file): 526328 kB Unevictable: 447528 kB Mlocked: 0 kB

 SwapTotal:
 2097148 kB

 SwapFree:
 2097148 kB

Dirty: 52 kB

Writeback: 0 kB 1234520 kB AnonPages: Mapped: 383668 kB Shmem: 469920 kB KReclaimable: 84960 kB Slab: 209016 kB SReclaimable: 84960 kB SUnreclaim: 124056 kB 15240 kB KernelStack: PageTables: 22396 kB NFS Unstable: 0 kB

Bounce: 0 kB

WritebackTmp: 0 kB CommitLimit: 10129860 kB Committed_AS: 5705748 kB VmallocTotal: 34359738367 kB

VmallocUsed: 42900 kB VmallocChunk: 0 kB Percpu: 19008 kB HardwareCorrupted: 0 kB AnonHugePages: 0 kB ShmemHugePages: 0 kB ShmemPmdMapped: 0 kB FileHugePages: 0 kB FilePmdMapped: 0 kB HugePages Total: 0 HugePages_Free: 0

HugePages Rsvd: 0 HugePages Surp: 0 Hugepagesize: 2048 kB Hugetlb: 0 kB DirectMap4k: 285812 kB DirectMap2M: 5687296 kB DirectMap1G: 11534336 kB ______ _____ Display free and used memory total used free shared buff/cache available 15Gi 1.6Gi 12Gi 458Mi 1.5Gi 12Gi Mem: 2.0Gi 0B Swap: 2.0Gi ______ ______ Display PCI devicesr GB.) -[0000:00]-+-00.0 Intel Corporation Device 4668 +-02.0 Intel Corporation Device 4680 +-04.0 Intel Corporation Device 461d +-14.0 Intel Corporation Device 7ae0 +-14.2 Intel Corporation Device 7aa7 +-14.3 Intel Corporation Device 7af0 +-16.0 Intel Corporation Device 7ae8 +-17.0 Intel Corporation Device 7ae2 +-1a.0-[01]----00.0 Micron/Crucial Technology Device 540a +-1c.0-[02]----00.0 Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit **Ethernet Controller** +-1d.0-[03-04]----00.0-[04]--+-1f.0 Intel Corporation Device 7a86 +-1f.3 Intel Corporation Device 7ad0 +-1f.4 Intel Corporation Device 7aa3 \-1f.5 Intel Corporation Device 7aa4 ______ Display USB devices /: Bus 02.Port 1: Dev 1, Class=root hub, Driver=xhci hcd/10p, 20000M ID 1d6b:0003 Linux Foundation 3.0 root hub /: Bus 01.Port 1: Dev 1, Class=root hub, Driver=xhci hcd/16p, 480M ID 1d6b:0002 Linux Foundation 2.0 root hub Port 7: Dev 2, If 0, Class=Human Interface Device, Driver=usbhid, 1.5M ID 413c:2113 Dell Computer Corp. Port 7: Dev 2, If 1, Class=Human Interface Device, Driver=usbhid, 1.5M ID 413c:2113 Dell Computer Corp. Port 8: Dev 3, If 0, Class=Human Interface Device, Driver=usbhid, 1.5M ID 413c:301a Dell Computer Corp. Port 14: Dev 4, If 0, Class=Wireless, Driver=btusb, 12M ID 8087:0026 Intel Corp. Port 14: Dev 4, If 1, Class=Wireless, Driver=btusb, 12M ID 8087:0026 Intel Corp.

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Display Context Switching between processor
cpu 33064 6258 18868 10364302 2507 0 4152 0 0 0
cpu0 2141 2 1243 517858 55 0 5 0 0 0
cpu1 96 1 164 521240 5 0 221 0 0 0
cpu2 1639 10 951 518481 154 0 222 0 0 0
cpu3 113 6 101 521449 6 0 221 0 0 0
cpu4 1744 11 924 518530 61 0 218 0 0 0
cpu5 62 0 86 521465 97 0 197 0 0 0
cpu6 1724 5 1112 518539 80 0 205 0 0 0
cpu7 178 0 219 520238 8 0 347 0 0 0
cpu8 8002 6056 4774 501412 368 0 247 0 0 0
cpu9 43 0 31 521879 36 0 4 0 0 0
cpu10 6242 130 2616 511450 196 0 185 0 0 0
cpu11 128 3 445 519123 547 0 808 0 0 0
cpu12 4177 3 2120 514364 96 0 247 0 0 0
cpu13 368 2 423 520013 239 0 81 0 0 0
cpu14 3644 18 1866 515154 94 0 216 0 0 0
cpu15 67 1 92 521389 129 0 224 0 0 0
cpu16 1418 1 874 518841 16 0 244 0 0 0
cpu17 781 0 492 520453 33 0 0 0 0 0
cpu18 277 0 198 521106 13 0 254 0 0 0
cpu19 216 0 130 521309 264 0 0 0 0 0
435199 33991 34100 30315 30344 29667 29892 29447 29496 29336 30532 29726 29696 0 30238
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ctxt 8277317
btime 1706519668
processes 4429
procs_running 2
procs_blocked 0
softirq 3843346 356611 396877 24 865723 968 0 11611 1081808 0 1129724
