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takry@takry-KLVL-WXXW:~$ sudo dmesg
[sudo] password for takry:
[ 0.000000] Linux version 6.1.3 (takry@takry-KLVL-WXXW) (gcc (Ubuntu 11.3.0-1ubuntu1~22.04)
11.3.0, GNU ld (GNU Binutils for Ubuntu) 2.38) #1 SMP PREEMPT_DYNAMIC Thu Jan 26 00:32:05 MSK
2023
[ 0.000000] Command line: BOOT_IMAGE=/boot/vmlinuz-6.1.3 root=UUID=3777d17a-76cf-4931-8efb-
1128e755e97e ro quiet splash vt.handoff=7
[ 0.000000] KERNEL supported cpus:
[ 0.000000] Intel GenuineIntel
[ 0.000000] AMD AuthenticAMD
[ 0.000000] Hygon HygonGenuine
[ 0.000000] Centaur CentaurHauls
[ 0.000000] zhaoxin Shanghai
[ 0.000000] x86/fpu: Supporting XSAVE feature 0x001: 'x87 floating point registers'
[ 0.000000] x86/fpu: Supporting XSAVE feature 0x002: 'SSE registers'
[ 0.000000] x86/fpu: Supporting XSAVE feature 0x004: 'AVX registers'
[ 0.000000] x86/fpu: xstate_offset[2]: 576, xstate_sizes[2]: 256
[ 0.000000] x86/fpu: Enabled xstate features 0x7, context size is 832 bytes, using
'compacted' format.
[ 0.000000] signal: max sigframe size: 1776
[ 0.000000] BIOS-provided physical RAM map:
[ 0.000000] BIOS-e820: [mem 0x0000000000000000-0x000000000009efff] usable
[ 0.000000] BIOS-e820: [mem 0x000000000009f000-0x00000000000bffff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000001000000-0x000000000099ffffff] usable
[ 0.000000] BIOS-e820: [mem 0x0000000009a00000-0x0000000009dffffff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000009e00000-0x0000000009efffff] usable
[ 0.000000] BIOS-e820: [mem 0x0000000009f00000-0x0000000009f0efff] ACPI NVS
[ 0.000000] BIOS-e820: [mem 0x0000000009f0f000-0x0000000009fb9efff] usable
[ 0.000000] BIOS-e820: [mem 0x0000000009fb9e9000-0x0000000009fbabefff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000009fbabe9000-0x0000000009fbcdfefff] usable
[ 0.000000] BIOS-e820: [mem 0x0000000009fbdcff000-0x0000000009fcbdfefff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000009fcdff000-0x0000000009fcd7efff] ACPI NVS
[ 0.000000] BIOS-e820: [mem 0x0000000009fcd7f000-0x0000000009fcdfefff] ACPI data
[ 0.000000] BIOS-e820: [mem 0x0000000009fcdfff000-0x0000000009fcdfffff] usable
[ 0.000000] BIOS-e820: [mem 0x0000000009fce00000-0x0000000009fcdfffff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000009f8000000-0x0000000009fbfffff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000009fdd00000-0x0000000009fddfffff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000009fddff000-0x0000000009fddfffff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000009fec00000-0x0000000009fec01fff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000009fec10000-0x0000000009fec10fff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000009fec20000-0x0000000009fec20fff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000009fed80000-0x0000000009fed81fff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000009fee00000-0x0000000009fee00fff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000009ff000000-0x0000000009ffffff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000100000000-0x000000003ffffffefff] usable
[ 0.000000] BIOS-e820: [mem 0x000000003ffffff000-0x000000003fffffffff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000400000000-0x000000040f33ffff] usable
[ 0.000000] BIOS-e820: [mem 0x000000040f340000-0x000000042ffffffefff] reserved
[ 0.000000] NX (Execute Disable) protection: active
[ 0.000000] e820: update [mem 0xb58d2018-0xb58df857] usable ==> usable
[ 0.000000] e820: update [mem 0xb58d2018-0xb58df857] usable ==> usable
[ 0.000000] extended physical RAM map:
[ 0.000000] reserve setup_data: [mem 0x0000000000000000-0x000000000009efff] usable
[ 0.000000] reserve setup_data: [mem 0x000000000009f000-0x00000000000bffff] reserved
[ 0.000000] reserve setup_data: [mem 0x0000000001000000-0x000000000099ffffff] usable
[ 0.000000] reserve setup_data: [mem 0x0000000009a00000-0x0000000009dffffff] reserved
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[ 0.000000] reserve setup_data: [mem 0x000000009e00000-0x000000009efffff] usable
[ 0.000000] reserve setup_data: [mem 0x000000009f00000-0x000000009f0efff] ACPI NVS
[ 0.000000] reserve setup_data: [mem 0x000000009f0f000-0x00000000b58d2017] usable
[ 0.000000] reserve setup_data: [mem 0x00000000b58d2018-0x00000000b58df857] usable
[ 0.000000] reserve setup_data: [mem 0x00000000b58df858-0x00000000b99e8fff] usable
[ 0.000000] reserve setup_data: [mem 0x00000000b99e9000-0x00000000babe8fff] reserved
[ 0.000000] reserve setup_data: [mem 0x00000000babe9000-0x00000000c8dfefff] usable
[ 0.000000] reserve setup_data: [mem 0x00000000c8dff000-0x00000000cbdfefff] reserved
[ 0.000000] reserve setup_data: [mem 0x00000000cbdff000-0x00000000cdf7efff] ACPI NVS
[ 0.000000] reserve setup_data: [mem 0x00000000cdf7f000-0x00000000cdfeffff] ACPI data
[ 0.000000] reserve setup_data: [mem 0x00000000cdfff000-0x00000000cdffffff] usable
[ 0.000000] reserve setup_data: [mem 0x00000000ce000000-0x00000000cfffffff] reserved
[ 0.000000] reserve setup_data: [mem 0x00000000f8000000-0x00000000fbffffff] reserved
[ 0.000000] reserve setup_data: [mem 0x00000000fd000000-0x00000000fdffffff] reserved
[ 0.000000] reserve setup_data: [mem 0x00000000fdf00000-0x00000000fdfffffff] reserved
[ 0.000000] reserve setup_data: [mem 0x00000000fec00000-0x00000000fec01fff] reserved
[ 0.000000] reserve setup_data: [mem 0x00000000fec10000-0x00000000fec10fff] reserved
[ 0.000000] reserve setup_data: [mem 0x00000000fec20000-0x00000000fec20fff] reserved
[ 0.000000] reserve setup_data: [mem 0x00000000fed80000-0x00000000fed81fff] reserved
[ 0.000000] reserve setup_data: [mem 0x00000000fee00000-0x00000000fee00fff] reserved
[ 0.000000] reserve setup_data: [mem 0x00000000ff000000-0x00000000ffffffff] reserved
[ 0.000000] reserve setup_data: [mem 0x0000000100000000-0x00000003ffffffefff] usable
[ 0.000000] reserve setup_data: [mem 0x00000003ffffff000-0x00000003fffffffff] reserved
[ 0.000000] reserve setup_data: [mem 0x0000000400000000-0x000000040f33ffff] usable
[ 0.000000] reserve setup_data: [mem 0x000000040f340000-0x000000042ffffff] reserved
[ 0.000000] efi: EFI v2.70 by INSYDE Corp.
[ 0.000000] efi: ACPI=0xcdffe000 ACPI 2.0=0xcdffe014 TPMFinalLog=0xcdf41000 SMBIOS=0xca58c000
SMBIOS 3.0=0xca58a000 MEMATTR=0xb58f0018 ESRT=0xb58f5818 MOKvar=0xb58ee000 RNG=0xcdfb8018
TPMEventLog=0xb58e0018
[ 0.000000] efi: seeding entropy pool
[ 0.000000] random: crng init done
[ 0.000000] SMBIOS 3.3.0 present.
[ 0.000000] DMI: HUAWEI KLVL-WXXW/KLVL-WXXW-PCB, BIOS 1.00 08/20/2021
[ 0.000000] tsc: Fast TSC calibration using PIT
[ 0.000000] tsc: Detected 2096.103 MHz processor
[ 0.000350] e820: update [mem 0x00000000-0x00000fff] usable ==> reserved
[ 0.000352] e820: remove [mem 0x000a0000-0x000fffff] usable
[ 0.000361] last_pfn = 0x40f340 max_arch_pfn = 0x400000000
[ 0.000643] x86/PAT: Configuration [0-7]: WB WC UC- UC WB WP UC- WT
[ 0.000854] last_pfn = 0xce000 max_arch_pfn = 0x400000000
[ 0.005348] esrt: Reserving ESRT space from 0x00000000b58f5818 to 0x00000000b58f5850.
[ 0.005354] e820: update [mem 0xb58f5000-0xb58f5fff] usable ==> reserved
[ 0.005369] e820: update [mem 0xb58ee000-0xb58eefff] usable ==> reserved
[ 0.005387] Using GB pages for direct mapping
[ 0.006184] Secure boot disabled
[ 0.006185] RAMDISK: [mem 0x20b61000-0x3ffffdff]
[ 0.006190] ACPI: Early table checksum verification disabled
[ 0.006194] ACPI: RSDP 0x00000000CDFFE014 000024 (v02 HUAWEI)
[ 0.006197] ACPI: XSDT 0x00000000CDFC5188 000114 (v01 HUAWEI EDK2 00000002 01000013)
[ 0.006202] ACPI: FACP 0x00000000CDFE9000 00010C (v05 HUAWEI EDK2 00000002 01000013)
[ 0.006207] ACPI: DSDT 0x00000000CDFDA000 00942D (v01 HUAWEI EDK2 00000002 01000013)
[ 0.006210] ACPI: FACS 0x00000000CGCED6000 000040
[ 0.006212] ACPI: UEFI 0x00000000CDF7E000 000236 (v01 HUAWEI H2O BIOS 00000001 ACPI 00040000)
[ 0.006214] ACPI: SSDT 0x00000000CDF50000 007229 (v02 HUAWEI AmdTable 00000002 MSFT 04000000)
[ 0.006217] ACPI: IVRS 0x00000000CDF40000 0001A4 (v02 HUAWEI AmdTable 00000001 AMD 00000000)
[ 0.006219] ACPI: SSDT 0x00000000CDF00000 003A21 (v01 HUAWEI AMD AOD 00000001 INTL 20130117)

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[0.006222] ACPI: SSDT 0x00000000CDFEF000 000472 (v02 HUAWEI TPMACPI 00001000 INTL 20130117)
[0.006224] ACPI: TPM2 0x00000000CDFEE000 00004C (v04 HUAWEI EDK2 00000002 01000013)
[0.006227] ACPI: MSDM 0x00000000CDFED000 000055 (v03 HUAWEI H2O BIOS 00000001 ACPI 00040000)
[0.006229] ACPI: SSDT 0x00000000CDFEC000 000AC3 (v01 HUAWEI WmiTable 00001000 INTL 20130117)
[0.006232] ACPI: ASF! 0x00000000CDFEB000 0000A5 (v32 HUAWEI EDK2 00000002 01000013)
[0.006234] ACPI: BOOT 0x00000000CDFEA000 000028 (v01 HUAWEI EDK2 00000002 01000013)
[0.006237] ACPI: HPET 0x00000000CDFE8000 000038 (v01 HUAWEI EDK2 00000002 01000013)
[0.006239] ACPI: APIC 0x00000000CDFE7000 000138 (v03 HUAWEI EDK2 00000002 01000013)
[0.006241] ACPI: MCFG 0x00000000CDFE6000 00003C (v01 HUAWEI EDK2 00000002 01000013)
[0.006244] ACPI: SSDT 0x00000000CDFD9000 000080 (v01 HUAWEI EDK2 00000002 01000013)
[0.006246] ACPI: VFCT 0x00000000CDFCB000 00D884 (v01 HUAWEI EDK2 00000001 AMD 31504F47)
[0.006249] ACPI: SSDT 0x00000000CDFCA000 0000F8 (v01 HUAWEI PcdTable 00001000 INTL 20130117)
[0.006251] ACPI: SSDT 0x00000000CDFC6000 003E88 (v02 HUAWEI AmdTable 00000001 AMD 00000001)
[0.006254] ACPI: CRAT 0x00000000CDFFD000 000BA8 (v01 HUAWEI AmdTable 00000001 AMD 00000001)
[0.006256] ACPI: CDIT 0x00000000CDFC4000 000029 (v01 HUAWEI AmdTable 00000001 AMD 00000001)
[0.006258] ACPI: SSDT 0x00000000CDFC3000 000139 (v01 HUAWEI AmdTable 00000001 INTL 20130117)
[0.006261] ACPI: SSDT 0x00000000CDFC2000 000024 (v01 HUAWEI AmdTable 00000001 INTL 20130117)
[0.006263] ACPI: SSDT 0x00000000CDFC1000 0001D6 (v01 HUAWEI AmdTable 00000001 INTL 20130117)
[0.006266] ACPI: SSDT 0x00000000CDFC0000 000D53 (v01 HUAWEI AmdTable 00000001 INTL 20130117)
[0.006268] ACPI: SSDT 0x00000000CDFBE000 0010A5 (v01 HUAWEI AmdTable 00000001 INTL 20130117)
[0.006271] ACPI: SSDT 0x00000000CDFBA000 0034A4 (v01 HUAWEI AmdTable 00000001 INTL 20130117)
[0.006273] ACPI: FPDT 0x00000000CDFB9000 000044 (v01 HUAWEI EDK2 00000002 01000013)
[0.006275] ACPI: WSMT 0x00000000CDFB7000 000028 (v01 HUAWEI H2O BIOS 00000001 ACPI 00040000)
[0.006278] ACPI: SSDT 0x00000000CDFE5000 000517 (v01 HUAWEI AmdTable 00000001 INTL 20130117)
[0.006280] ACPI: BGRT 0x00000000CDFE4000 000038 (v01 HUAWEI H2O BIOS 00000001 ACPI 00040000)
[0.006282] ACPI: Reserving FACP table memory at [mem 0xcdfe9000-0xcdfe910b]
[0.006283] ACPI: Reserving DSDT table memory at [mem 0xcdfda000-0xcdfe342c]
[0.006284] ACPI: Reserving FACS table memory at [mem 0xcced6000-0xcced603f]
[0.006285] ACPI: Reserving UEFI table memory at [mem 0xcdf7e000-0xcdf7e235]
[0.006285] ACPI: Reserving SSDT table memory at [mem 0xcdff5000-0xcdffc228]
[0.006286] ACPI: Reserving IVRS table memory at [mem 0xcdff4000-0xcdff41a3]
[0.006287] ACPI: Reserving SSDT table memory at [mem 0xcdff0000-0xcdff3a20]
[0.006287] ACPI: Reserving SSDT table memory at [mem 0xcdfef000-0xcdfef471]
[0.006288] ACPI: Reserving TPM2 table memory at [mem 0xcdfee000-0xcdfee04b]
[0.006289] ACPI: Reserving MSDM table memory at [mem 0xcdfed000-0xcdfed054]
[0.006289] ACPI: Reserving SSDT table memory at [mem 0xcdfec000-0xcdfecac2]
[0.006290] ACPI: Reserving ASF! table memory at [mem 0xcdfeb000-0xcdfeb0a4]
[0.006291] ACPI: Reserving BOOT table memory at [mem 0xcdfea000-0xcdfea027]
[0.006291] ACPI: Reserving HPET table memory at [mem 0xcdfe8000-0xcdfe8037]
[0.006292] ACPI: Reserving APIC table memory at [mem 0xcdfe7000-0xcdfe7137]
[0.006293] ACPI: Reserving MCFG table memory at [mem 0xcdfe6000-0xcdfe603b]
[0.006293] ACPI: Reserving SSDT table memory at [mem 0xcdfd9000-0xcdfd907f]
[0.006294] ACPI: Reserving VFCT table memory at [mem 0xcdfcb000-0xcdfd8883]
[0.006295] ACPI: Reserving SSDT table memory at [mem 0xcdfca000-0xcdfca0f7]
[0.006295] ACPI: Reserving SSDT table memory at [mem 0xcdfc6000-0xcdfc9e87]
[0.006296] ACPI: Reserving CRAT table memory at [mem 0xcdffd000-0xcdffdba7]
[0.006297] ACPI: Reserving CDIT table memory at [mem 0xcdfc4000-0xcdfc4028]
[0.006297] ACPI: Reserving SSDT table memory at [mem 0xcdfc3000-0xcdfc3138]
[0.006298] ACPI: Reserving SSDT table memory at [mem 0xcdfc2000-0xcdfc2023]
[0.006299] ACPI: Reserving SSDT table memory at [mem 0xcdfc1000-0xcdfc11d5]
[0.006300] ACPI: Reserving SSDT table memory at [mem 0xcdfc0000-0xcdfc0d52]
[0.006300] ACPI: Reserving SSDT table memory at [mem 0xcdfbe000-0xcdfbf0a4]
[0.006301] ACPI: Reserving SSDT table memory at [mem 0xcdfba000-0xcdfbd4a3]
[0.006302] ACPI: Reserving FPDT table memory at [mem 0xcdfb9000-0xcdfb9043]
[0.006302] ACPI: Reserving WSMT table memory at [mem 0xcdfb7000-0xcdfb7027]
[0.006303] ACPI: Reserving SSDT table memory at [mem 0xcdfe5000-0xcdfe5516]

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[ 0.006304] ACPI: Reserving BGRT table memory at [mem 0xcdfe4000-0xcdfe4037]
[ 0.006489] No NUMA configuration found
[ 0.006490] Faking a node at [mem 0x0000000000000000-0x000000040f33ffff]
[ 0.006496] NODE_DATA(0) allocated [mem 0x40f315000-0x40f33ffff]
[ 0.006691] Zone ranges:
[ 0.006692]   DMA      [mem 0x0000000000001000-0x0000000000ffffff]
[ 0.006693]   DMA32    [mem 0x0000000001000000-0x00000000ffffff]
[ 0.006694]   Normal   [mem 0x0000000100000000-0x000000040f33ffff]
[ 0.006695]   Device   empty
[ 0.006696] Movable zone start for each node
[ 0.006698] Early memory node ranges
[ 0.006699]   node 0: [mem 0x0000000000001000-0x000000000009efff]
[ 0.006700]   node 0: [mem 0x0000000000010000-0x000000000099ffff]
[ 0.006700]   node 0: [mem 0x00000000009e0000-0x00000000009effff]
[ 0.006701]   node 0: [mem 0x00000000009f0f00-0x0000000000b99e8fff]
[ 0.006702]   node 0: [mem 0x0000000000babe9000-0x0000000000c8dfefff]
[ 0.006703]   node 0: [mem 0x0000000000cdfff000-0x0000000000cdffff]
[ 0.006703]   node 0: [mem 0x0000000100000000-0x00000003ffffefff]
[ 0.006705]   node 0: [mem 0x0000000400000000-0x000000040f33ffff]
[ 0.006706] Initmem setup node 0 [mem 0x0000000000001000-0x000000040f33ffff]
[ 0.006711] On node 0, zone DMA: 1 pages in unavailable ranges
[ 0.006728] On node 0, zone DMA: 97 pages in unavailable ranges
[ 0.006885] On node 0, zone DMA32: 1024 pages in unavailable ranges
[ 0.012640] On node 0, zone DMA32: 15 pages in unavailable ranges
[ 0.013161] On node 0, zone DMA32: 4608 pages in unavailable ranges
[ 0.013378] On node 0, zone DMA32: 20992 pages in unavailable ranges
[ 0.039097] On node 0, zone Normal: 8192 pages in unavailable ranges
[ 0.039607] On node 0, zone Normal: 1 pages in unavailable ranges
[ 0.039643] On node 0, zone Normal: 3264 pages in unavailable ranges
[ 0.039754] ACPI: PM-Timer IO Port: 0x408
[ 0.039762] ACPI: LAPIC_NMI (acpi_id[0x00] high edge lint[0x1])
[ 0.039764] ACPI: LAPIC_NMI (acpi_id[0x01] high edge lint[0x1])
[ 0.039765] ACPI: LAPIC_NMI (acpi_id[0x02] high edge lint[0x1])
[ 0.039765] ACPI: LAPIC_NMI (acpi_id[0x03] high edge lint[0x1])
[ 0.039766] ACPI: LAPIC_NMI (acpi_id[0x04] high edge lint[0x1])
[ 0.039766] ACPI: LAPIC_NMI (acpi_id[0x05] high edge lint[0x1])
[ 0.039767] ACPI: LAPIC_NMI (acpi_id[0x06] high edge lint[0x1])
[ 0.039768] ACPI: LAPIC_NMI (acpi_id[0x07] high edge lint[0x1])
[ 0.039768] ACPI: LAPIC_NMI (acpi_id[0x08] high edge lint[0x1])
[ 0.039769] ACPI: LAPIC_NMI (acpi_id[0x09] high edge lint[0x1])
[ 0.039769] ACPI: LAPIC_NMI (acpi_id[0x0a] high edge lint[0x1])
[ 0.039770] ACPI: LAPIC_NMI (acpi_id[0x0b] high edge lint[0x1])
[ 0.039770] ACPI: LAPIC_NMI (acpi_id[0x0c] high edge lint[0x1])
[ 0.039771] ACPI: LAPIC_NMI (acpi_id[0x0d] high edge lint[0x1])
[ 0.039771] ACPI: LAPIC_NMI (acpi_id[0x0e] high edge lint[0x1])
[ 0.039772] ACPI: LAPIC_NMI (acpi_id[0x0f] high edge lint[0x1])
[ 0.039786] IOAPIC[0]: apic_id 33, version 33, address 0xfec00000, GSI 0-23
[ 0.039791] IOAPIC[1]: apic_id 34, version 33, address 0xfec01000, GSI 24-55
[ 0.039793] ACPI: INT_SRC_OVR (bus 0 bus_irq 0 global_irq 2 dfl dfl)
[ 0.039794] ACPI: INT_SRC_OVR (bus 0 bus_irq 9 global_irq 9 low level)
[ 0.039798] ACPI: Using ACPI (MADT) for SMP configuration information
[ 0.039799] ACPI: HPET id: 0x10228210 base: 0xfed00000
[ 0.039808] e820: update [mem 0xb5729000-0xb57b1fff] usable ==> reserved
[ 0.039825] smpboot: Allowing 16 CPUs, 4 hotplug CPUs
[ 0.039856] PM: hibernation: Registered nosave memory: [mem 0x00000000-0x00000fff]
[ 0.039858] PM: hibernation: Registered nosave memory: [mem 0x0009f000-0x000bffff]
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[ 0.039859] PM: hibernation: Registered nosave memory: [mem 0x000c0000-0x000fffff]
[ 0.039861] PM: hibernation: Registered nosave memory: [mem 0x09a00000-0x09dfffff]
[ 0.039862] PM: hibernation: Registered nosave memory: [mem 0x09f00000-0x09f0ffff]
[ 0.039864] PM: hibernation: Registered nosave memory: [mem 0xb5729000-0xb57b1fff]
[ 0.039865] PM: hibernation: Registered nosave memory: [mem 0xb58d2000-0xb58d2fff]
[ 0.039867] PM: hibernation: Registered nosave memory: [mem 0xb58df000-0xb58dffff]
[ 0.039869] PM: hibernation: Registered nosave memory: [mem 0xb58ee000-0xb58effff]
[ 0.039870] PM: hibernation: Registered nosave memory: [mem 0xb58f5000-0xb58f5fff]
[ 0.039872] PM: hibernation: Registered nosave memory: [mem 0xb99e9000-0xbabe8fff]
[ 0.039874] PM: hibernation: Registered nosave memory: [mem 0xc8dff000-0xcbdfefef]
[ 0.039874] PM: hibernation: Registered nosave memory: [mem 0xcbdff000-0xcdf7efef]
[ 0.039875] PM: hibernation: Registered nosave memory: [mem 0xcdf7f000-0xcdffefef]
[ 0.039876] PM: hibernation: Registered nosave memory: [mem 0xce000000-0xcfffffff]
[ 0.039877] PM: hibernation: Registered nosave memory: [mem 0xd0000000-0xf7ffffff]
[ 0.039877] PM: hibernation: Registered nosave memory: [mem 0xf8000000-0xfbffffff]
[ 0.039878] PM: hibernation: Registered nosave memory: [mem 0xfc000000-0xfdffffff]
[ 0.039878] PM: hibernation: Registered nosave memory: [mem 0xfdd00000-0xfddffffff]
[ 0.039879] PM: hibernation: Registered nosave memory: [mem 0xfde00000-0xfdefffffff]
[ 0.039879] PM: hibernation: Registered nosave memory: [mem 0xfdf00000-0xfdfffffff]
[ 0.039880] PM: hibernation: Registered nosave memory: [mem 0xfe000000-0xfebffffff]
[ 0.039880] PM: hibernation: Registered nosave memory: [mem 0xfec00000-0xfec01fff]
[ 0.039881] PM: hibernation: Registered nosave memory: [mem 0xfec02000-0xfec0ffff]
[ 0.039881] PM: hibernation: Registered nosave memory: [mem 0xfec10000-0xfec10fff]
[ 0.039882] PM: hibernation: Registered nosave memory: [mem 0xfec11000-0xfec1ffff]
[ 0.039882] PM: hibernation: Registered nosave memory: [mem 0xfec20000-0xfec20fff]
[ 0.039883] PM: hibernation: Registered nosave memory: [mem 0xfec21000-0xfed7ffff]
[ 0.039883] PM: hibernation: Registered nosave memory: [mem 0xfed80000-0xfed81fff]
[ 0.039884] PM: hibernation: Registered nosave memory: [mem 0xfed82000-0xfeddffff]
[ 0.039884] PM: hibernation: Registered nosave memory: [mem 0xfee00000-0xfef0ffff]
[ 0.039885] PM: hibernation: Registered nosave memory: [mem 0xfef01000-0xfefffffff]
[ 0.039885] PM: hibernation: Registered nosave memory: [mem 0xff000000-0xffffffff]
[ 0.039887] PM: hibernation: Registered nosave memory: [mem 0x3ffffff00-0x3fffffff]
[ 0.039889] [mem 0xd0000000-0xf7ffffff] available for PCI devices
[ 0.039890] Booting paravirtualized kernel on bare hardware
[ 0.039893] clocksource: refined-jiffies: mask: 0xffffffff max_cycles: 0xffffffff,
max_idle_ns: 7645519600211568 ns
[ 0.039901] setup_percpu: NR_CPUS:8192 nr_cpumask_bits:16 nr_cpu_ids:16 nr_node_ids:1
[ 0.040673] percpu: Embedded 61 pages/cpu s212992 r8192 d28672 u262144
[ 0.040683] pcpu-alloc: s212992 r8192 d28672 u262144 alloc=1*2097152
[ 0.040685] pcpu-alloc: [0] 00 01 02 03 04 05 06 07 [0] 08 09 10 11 12 13 14 15
[ 0.040726] Fallback order for Node 0: 0
[ 0.040730] Built 1 zonelists, mobility grouping on. Total pages: 3961987
[ 0.040731] Policy zone: Normal
[ 0.040732] Kernel command line: BOOT_IMAGE=/boot/vmlinuz-6.1.3 root=UUID=3777d17a-76cf-4931-8efb-1128e755e97e ro quiet splash vt.handoff=7
[ 0.040795] Unknown kernel command line parameters "splash BOOT_IMAGE=/boot/vmlinuz-6.1.3",
will be passed to user space.
[ 0.042720] Dentry cache hash table entries: 2097152 (order: 12, 16777216 bytes, linear)
[ 0.043664] Inode-cache hash table entries: 1048576 (order: 11, 8388608 bytes, linear)
[ 0.043724] mem auto-init: stack:off, heap alloc:on, heap free:off
[ 0.043767] software IO TLB: area num 16.
[ 0.090210] Memory: 15114336K/16100152K available (18440K kernel code, 4122K rdata, 5500K
rodata, 3136K init, 4864K bss, 985556K reserved, OK cma-reserved)
[ 0.090338] SLUB: HWalign=64, Order=0-3, MinObjects=0, CPUs=16, Nodes=1
[ 0.090352] ftrace: allocating 49864 entries in 195 pages
[ 0.097717] ftrace: allocated 195 pages with 4 groups
```

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[ 0.098445] Dynamic Preempt: voluntary
[ 0.098483] rcu: Preemptible hierarchical RCU implementation.
[ 0.098483] rcu: RCU restricting CPUs from NR_CPUS=8192 to nr_cpu_ids=16.
[ 0.098485] Trampoline variant of Tasks RCU enabled.
[ 0.098485] Rude variant of Tasks RCU enabled.
[ 0.098485] Tracing variant of Tasks RCU enabled.
[ 0.098486] rcu: RCU calculated value of scheduler-enlistment delay is 25 jiffies.
[ 0.098487] rcu: Adjusting geometry for rcu_fanout_leaf=16, nr_cpu_ids=16
[ 0.101708] NR_IRQS: 524544, nr_irqs: 1096, preallocated irqs: 16
[ 0.101886] rcu: srcu_init: Setting srcu_struct sizes based on contention.
[ 0.101949] Console: colour dummy device 80x25
[ 0.101967] printk: console [tty0] enabled
[ 0.101986] ACPI: Core revision 20220331
[ 0.102187] clocksource: hpet: mask: 0xffffffff max_cycles: 0xffffffff, max_idle_ns:
133484873504 ns
[ 0.102207] APIC: Switch to symmetric I/O mode setup
[ 0.103348] AMD-Vi: ivrs, add hid:AMDI0020, uid:¥_SB.FUR0, rdevid:160
[ 0.103350] AMD-Vi: ivrs, add hid:AMDI0020, uid:¥_SB.FUR1, rdevid:160
[ 0.103351] AMD-Vi: ivrs, add hid:AMDI0020, uid:¥_SB.FUR2, rdevid:160
[ 0.103351] AMD-Vi: ivrs, add hid:AMDI0020, uid:¥_SB.FUR3, rdevid:160
[ 0.103352] AMD-Vi: Using global IVHD EFR:0x206d73ef22254ade, EFR2:0x0
[ 0.103643] Switched APIC routing to physical flat.
[ 0.104386] ..TIMER: vector=0x30 apic1=0 pin1=2 apic2=-1 pin2=-1
[ 0.122214] clocksource: tsc-early: mask: 0xffffffffffffffff max_cycles: 0x1e36cf15a4b,
max_idle_ns: 440795251183 ns
[ 0.122224] Calibrating delay loop (skipped), value calculated using timer frequency..
4192.20 BogoMIPS (lpj=8384412)
[ 0.122226] pid_max: default: 32768 minimum: 301
[ 0.126249] LSM: Security Framework initializing
[ 0.126263] landlock: Up and running.
[ 0.126263] Yama: becoming mindful.
[ 0.126289] AppArmor: AppArmor initialized
[ 0.126330] Mount-cache hash table entries: 32768 (order: 6, 262144 bytes, linear)
[ 0.126347] Mountpoint-cache hash table entries: 32768 (order: 6, 262144 bytes, linear)
[ 0.126537] x86/cpu: User Mode Instruction Prevention (UMIP) activated
[ 0.126570] LVT offset 1 assigned for vector 0xf9
[ 0.126630] LVT offset 2 assigned for vector 0xf4
[ 0.126646] process: using mwait in idle threads
[ 0.126647] Last level iTLB entries: 4KB 1024, 2MB 1024, 4MB 512
[ 0.126648] Last level dTLB entries: 4KB 2048, 2MB 2048, 4MB 1024, 1GB 0
[ 0.126653] Spectre V1 : Mitigation: usercopy/swaps barriers and __user pointer sanitization
[ 0.126654] Spectre V2 : Mitigation: Retpolines
[ 0.126655] Spectre V2 : Spectre v2 / SpectreRSB mitigation: Filling RSB on context switch
[ 0.126655] Spectre V2 : Spectre v2 / SpectreRSB : Filling RSB on VMEXIT
[ 0.126656] Spectre V2 : Enabling Speculation Barrier for firmware calls
[ 0.126656] RETbleed: Mitigation: untrained return thunk
[ 0.126658] Spectre V2 : mitigation: Enabling conditional Indirect Branch Prediction Barrier
[ 0.126658] Spectre V2 : Selecting STIBP always-on mode to complement retbleed mitigation
[ 0.126659] Spectre V2 : User space: Mitigation: STIBP always-on protection
[ 0.126660] Speculative Store Bypass: Mitigation: Speculative Store Bypass disabled via prctl
[ 0.135692] Freeing SMP alternatives memory: 44K
[ 0.245305] smpboot: CPU0: AMD Ryzen 5 5500U with Radeon Graphics (family: 0x17, model: 0x68,
stepping: 0x1)
[ 0.245411] cblst_init_generic: Setting adjustable number of callback queues.
[ 0.245415] cblst_init_generic: Setting shift to 4 and lim to 1.
[ 0.245429] cblst_init_generic: Setting shift to 4 and lim to 1.

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[ 0.245440] cblst_init_generic: Setting shift to 4 and lim to 1.
[ 0.245449] Performance Events: Fam17h+ core perfctr, AMD PMU driver.
[ 0.245455] ... version: 0
[ 0.245456] ... bit width: 48
[ 0.245456] ... generic registers: 6
[ 0.245457] ... value mask: 0000ffffffffffff
[ 0.245458] ... max period: 00007ffffffffffff
[ 0.245458] ... fixed-purpose events: 0
[ 0.245459] ... event mask: 000000000000003f
[ 0.245549] rcu: Hierarchical SRCU implementation.
[ 0.245549] rcu: Max phase no-delay instances is 1000.
[ 0.245985] NMI watchdog: Enabled. Permanently consumes one hw-PMU counter.
[ 0.246110] smp: Bringing up secondary CPUs ...
[ 0.246189] x86: Booting SMP configuration:
[ 0.246190] .... node #0, CPUs: #1
[ 0.246217] Spectre V2 : Update user space SMT mitigation: STIBP always-on
[ 0.246217] #2 #3 #4 #5 #6 #7 #8 #9 #10 #11
[ 0.268433] smp: Brought up 1 node, 12 CPUs
[ 0.268433] smpboot: Max logical packages: 2
[ 0.268433] smpboot: Total of 12 processors activated (50306.47 BogoMIPS)
[ 0.270388] devtmpfs: initialized
[ 0.270388] x86/mm: Memory block size: 128MB
[ 0.271087] ACPI: PM: Registering ACPI NVS region [mem 0x09f00000-0x09f0efff] (61440 bytes)
[ 0.271087] ACPI: PM: Registering ACPI NVS region [mem 0xcbdff000-0xcd7efff] (35127296
bytes)
[ 0.271087] clocksource: jiffies: mask: 0xffffffff max_cycles: 0xffffffff, max_idle_ns:
7645041785100000 ns
[ 0.271087] futex hash table entries: 4096 (order: 6, 262144 bytes, linear)
[ 0.271087] pinctrl core: initialized pinctrl subsystem
[ 0.271087] PM: RTC time: 00:00:40, date: 2021-01-01
[ 0.271147] NET: Registered PF_NETLINK/PF_ROUTE protocol family
[ 0.271418] DMA: preallocated 2048 KiB GFP_KERNEL pool for atomic allocations
[ 0.271647] DMA: preallocated 2048 KiB GFP_KERNEL|GFP_DMA pool for atomic allocations
[ 0.271876] DMA: preallocated 2048 KiB GFP_KERNEL|GFP_DMA32 pool for atomic allocations
[ 0.271894] audit: initializing netlink subsys (disabled)
[ 0.271911] audit: type=2000 audit(1609459240.168:1): state=initialized audit_enabled=0 res=1
[ 0.271911] thermal_sys: Registered thermal governor 'fair_share'
[ 0.271911] thermal_sys: Registered thermal governor 'bang_bang'
[ 0.271911] thermal_sys: Registered thermal governor 'step_wise'
[ 0.271911] thermal_sys: Registered thermal governor 'user_space'
[ 0.271911] thermal_sys: Registered thermal governor 'power_allocator'
[ 0.271911] EISA bus registered
[ 0.271911] cpuidle: using governor ladder
[ 0.271911] cpuidle: using governor menu
[ 0.271911] Simple Boot Flag value 0x46 read from CMOS RAM was invalid
[ 0.271911] Simple Boot Flag at 0x44 set to 0x80
[ 0.271911] acpiphp: ACPI Hot Plug PCI Controller Driver version: 0.5
[ 0.271911] PCI: MMCONFIG for domain 0000 [bus 00-3f] at [mem 0xf8000000-0xfbffffff] (base
0xf8000000)
[ 0.271911] PCI: MMCONFIG at [mem 0xf8000000-0xfbffffff] reserved in E820
[ 0.271911] PCI: Using configuration type 1 for base access
[ 0.274800] kprobes: kprobe jump-optimization is enabled. All kprobes are optimized if
possible.
[ 0.274806] HugeTLB: registered 1.00 GiB page size, pre-allocated 0 pages
[ 0.274806] HugeTLB: 16380 KiB vmemmap can be freed for a 1.00 GiB page
[ 0.274806] HugeTLB: registered 2.00 MiB page size, pre-allocated 0 pages
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[ 0.274806] HugeTLB: 28 KiB vmemmap can be freed for a 2.00 MiB page
[ 0.274806] ACPI: Added _OSI (Module Device)
[ 0.274806] ACPI: Added _OSI (Processor Device)
[ 0.274806] ACPI: Added _OSI (3.0 _SCP Extensions)
[ 0.274806] ACPI: Added _OSI (Processor Aggregator Device)
[ 0.288965] ACPI: 15 ACPI AML tables successfully acquired and loaded
[ 0.290398] ACPI: [Firmware Bug]: BIOS _OSI(Linux) query ignored
[ 0.293074] ACPI: EC: EC started
[ 0.293074] ACPI: EC: interrupt blocked
[ 0.293074] ACPI: EC: EC_CMD/EC_SC=0x66, EC_DATA=0x62
[ 0.293074] ACPI: ¥_SB_.PCI0.LPC0.EC0_: Boot DSDT EC used to handle transactions
[ 0.293074] ACPI: Interpreter enabled
[ 0.293074] ACPI: PM: (supports S0 S3 S4 S5)
[ 0.293074] ACPI: Using IOAPIC for interrupt routing
[ 0.293074] PCI: Using host bridge windows from ACPI; if necessary, use "pci=nocrs" and
report a bug
[ 0.293074] PCI: Using E820 reservations for host bridge windows
[ 0.299747] ACPI: PM: Power Resource [PRWL]
[ 0.300389] ACPI: PCI Root Bridge [PCI0] (domain 0000 [bus 00-ff])
[ 0.300395] acpi PNPOA08:00: _OSC: OS supports [ExtendedConfig ASPM ClockPM Segments MSI EDR
HPX-Type3]
[ 0.300479] acpi PNPOA08:00: _OSC: platform does not support [SHPCHotplug LTR DPC]
[ 0.300628] acpi PNPOA08:00: _OSC: OS now controls [PCIEHotplug PME AER PCIeCapability]
[ 0.300637] acpi PNPOA08:00: [Firmware Info]: MMCONFIG for domain 0000 [bus 00-3f] only
partially covers this bridge
[ 0.300990] PCI host bridge to bus 0000:00
[ 0.300991] pci_bus 0000:00: root bus resource [io 0x0000-0x0cf7 window]
[ 0.300993] pci_bus 0000:00: root bus resource [io 0x0d00-0xffff window]
[ 0.300994] pci_bus 0000:00: root bus resource [mem 0x000a0000-0x000bffff window]
[ 0.300995] pci_bus 0000:00: root bus resource [mem 0x000c0000-0x000cffff window]
[ 0.300996] pci_bus 0000:00: root bus resource [mem 0x000d0000-0x000effff window]
[ 0.300997] pci_bus 0000:00: root bus resource [mem 0xd0000000-0xf7ffffff window]
[ 0.300998] pci_bus 0000:00: root bus resource [mem 0xfc000000-0xfeafffff window]
[ 0.300999] pci_bus 0000:00: root bus resource [mem 0xfed45000-0xfed811ff window]
[ 0.301000] pci_bus 0000:00: root bus resource [mem 0xfed81900-0xfed81fff window]
[ 0.301001] pci_bus 0000:00: root bus resource [mem 0xfedc0000-0xfedc0fff window]
[ 0.301002] pci_bus 0000:00: root bus resource [mem 0xfedc6000-0xfedc6fff window]
[ 0.301003] pci_bus 0000:00: root bus resource [mem 0x450200000-0xfcffffff window]
[ 0.301004] pci_bus 0000:00: root bus resource [bus 00-ff]
[ 0.301016] pci 0000:00:00.0: [1022:1630] type 00 class 0x060000
[ 0.301087] pci 0000:00:00.2: [1022:1631] type 00 class 0x080600
[ 0.301152] pci 0000:00:01.0: [1022:1632] type 00 class 0x060000
[ 0.301224] pci 0000:00:02.0: [1022:1632] type 00 class 0x060000
[ 0.301287] pci 0000:00:02.2: [1022:1634] type 01 class 0x060400
[ 0.301339] pci 0000:00:02.2: PME# supported from D0 D3hot D3cold
[ 0.301417] pci 0000:00:02.4: [1022:1634] type 01 class 0x060400
[ 0.301469] pci 0000:00:02.4: PME# supported from D0 D3hot D3cold
[ 0.301547] pci 0000:00:08.0: [1022:1632] type 00 class 0x060000
[ 0.301607] pci 0000:00:08.1: [1022:1635] type 01 class 0x060400
[ 0.301626] pci 0000:00:08.1: enabling Extended Tags
[ 0.301656] pci 0000:00:08.1: PME# supported from D0 D3hot D3cold
[ 0.301759] pci 0000:00:14.0: [1022:790b] type 00 class 0x0c0500
[ 0.301865] pci 0000:00:14.3: [1022:790e] type 00 class 0x060100
[ 0.301987] pci 0000:00:18.0: [1022:1448] type 00 class 0x060000
[ 0.302028] pci 0000:00:18.1: [1022:1449] type 00 class 0x060000
[ 0.302068] pci 0000:00:18.2: [1022:144a] type 00 class 0x060000
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[ 0.302111] pci 0000:00:18.3: [1022:144b] type 00 class 0x060000
[ 0.302152] pci 0000:00:18.4: [1022:144c] type 00 class 0x060000
[ 0.302192] pci 0000:00:18.5: [1022:144d] type 00 class 0x060000
[ 0.302237] pci 0000:00:18.6: [1022:144e] type 00 class 0x060000
[ 0.302278] pci 0000:00:18.7: [1022:144f] type 00 class 0x060000
[ 0.302384] pci 0000:01:00.0: [10ec:c822] type 00 class 0x028000
[ 0.302403] pci 0000:01:00.0: reg 0x10: [io 0x2000-0x20ff]
[ 0.302425] pci 0000:01:00.0: reg 0x18: [mem 0xd0500000-0xd050ffff 64bit]
[ 0.302543] pci 0000:01:00.0: supports D1 D2
[ 0.302544] pci 0000:01:00.0: PME# supported from D0 D1 D2 D3hot D3cold
[ 0.302794] pci 0000:00:02.2: PCI bridge to [bus 01]
[ 0.302797] pci 0000:00:02.2: bridge window [io 0x2000-0x2fff]
[ 0.302799] pci 0000:00:02.2: bridge window [mem 0xd0500000-0xd05ffffff]
[ 0.303099] pci 0000:02:00.0: [1987:5013] type 00 class 0x010802
[ 0.303116] pci 0000:02:00.0: reg 0x10: [mem 0xd0400000-0xd0403fff 64bit]
[ 0.303314] pci 0000:00:02.4: PCI bridge to [bus 02]
[ 0.303318] pci 0000:00:02.4: bridge window [mem 0xd0400000-0xd04ffffff]
[ 0.303383] pci 0000:03:00.0: [1002:164c] type 00 class 0x030000
[ 0.303393] pci 0000:03:00.0: reg 0x10: [mem 0xfce000000-0xfceffffff 64bit pref]
[ 0.303400] pci 0000:03:00.0: reg 0x18: [mem 0xfcf000000-0xfcf01ffff 64bit pref]
[ 0.303405] pci 0000:03:00.0: reg 0x20: [io 0x1000-0x10ff]
[ 0.303410] pci 0000:03:00.0: reg 0x24: [mem 0xd0300000-0xd037ffff]
[ 0.303418] pci 0000:03:00.0: enabling Extended Tags
[ 0.303428] pci 0000:03:00.0: BAR 0: assigned to efib
[ 0.303468] pci 0000:03:00.0: PME# supported from D1 D2 D3hot D3cold
[ 0.303499] pci 0000:03:00.0: 126.016 Gb/s available PCIe bandwidth, limited by 8.0 GT/s PCIe
x16 link at 0000:00:08.1 (capable of 252.048 Gb/s with 16.0 GT/s PCIe x16 link)
[ 0.303570] pci 0000:03:00.1: [1002:1637] type 00 class 0x040300
[ 0.303577] pci 0000:03:00.1: reg 0x10: [mem 0xd03c0000-0xd03c3fff]
[ 0.303597] pci 0000:03:00.1: enabling Extended Tags
[ 0.303623] pci 0000:03:00.1: PME# supported from D1 D2 D3hot D3cold
[ 0.303676] pci 0000:03:00.2: [1022:15df] type 00 class 0x108000
[ 0.303688] pci 0000:03:00.2: reg 0x18: [mem 0xd0200000-0xd02ffffff]
[ 0.303697] pci 0000:03:00.2: reg 0x24: [mem 0xd03c4000-0xd03c5fff]
[ 0.303704] pci 0000:03:00.2: enabling Extended Tags
[ 0.303780] pci 0000:03:00.3: [1022:1639] type 00 class 0x0c0330
[ 0.303790] pci 0000:03:00.3: reg 0x10: [mem 0xd0000000-0xd00ffffff 64bit]
[ 0.303813] pci 0000:03:00.3: enabling Extended Tags
[ 0.303842] pci 0000:03:00.3: PME# supported from D0 D3hot D3cold
[ 0.303897] pci 0000:03:00.4: [1022:1639] type 00 class 0x0c0330
[ 0.303908] pci 0000:03:00.4: reg 0x10: [mem 0xd0100000-0xd01ffffff 64bit]
[ 0.303931] pci 0000:03:00.4: enabling Extended Tags
[ 0.303960] pci 0000:03:00.4: PME# supported from D0 D3hot D3cold
[ 0.304017] pci 0000:03:00.5: [1022:15e2] type 00 class 0x048000
[ 0.304024] pci 0000:03:00.5: reg 0x10: [mem 0xd0380000-0xd03bffff]
[ 0.304044] pci 0000:03:00.5: enabling Extended Tags
[ 0.304071] pci 0000:03:00.5: PME# supported from D0 D3hot D3cold
[ 0.304142] pci 0000:00:08.1: PCI bridge to [bus 03]
[ 0.304145] pci 0000:00:08.1: bridge window [io 0x1000-0x1fff]
[ 0.304146] pci 0000:00:08.1: bridge window [mem 0xd0000000-0xd03ffffff]
[ 0.304149] pci 0000:00:08.1: bridge window [mem 0xfce000000-0xfcf01ffff 64bit pref]
[ 0.304636] ACPI: PCI: Interrupt link LNKA configured for IRQ 0
[ 0.304637] ACPI: PCI: Interrupt link LNKA disabled
[ 0.304705] ACPI: PCI: Interrupt link LNKB configured for IRQ 0
[ 0.304706] ACPI: PCI: Interrupt link LNKB disabled
[ 0.304758] ACPI: PCI: Interrupt link LNKC configured for IRQ 0
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[ 0.304758] ACPI: PCI: Interrupt link LNKC disabled
[ 0.304824] ACPI: PCI: Interrupt link LNKD configured for IRQ 0
[ 0.304825] ACPI: PCI: Interrupt link LNKD disabled
[ 0.304886] ACPI: PCI: Interrupt link LNKE configured for IRQ 0
[ 0.304886] ACPI: PCI: Interrupt link LNKE disabled
[ 0.304935] ACPI: PCI: Interrupt link LNKF configured for IRQ 0
[ 0.304935] ACPI: PCI: Interrupt link LNKF disabled
[ 0.304983] ACPI: PCI: Interrupt link LNKG configured for IRQ 0
[ 0.304984] ACPI: PCI: Interrupt link LNKG disabled
[ 0.305032] ACPI: PCI: Interrupt link LNKH configured for IRQ 0
[ 0.305032] ACPI: PCI: Interrupt link LNKH disabled
[ 0.305928] ACPI: EC: interrupt unblocked
[ 0.305929] ACPI: EC: event unblocked
[ 0.306219] ACPI: EC: EC_CMD/EC_SC=0x66, EC_DATA=0x62
[ 0.306219] ACPI: EC: GPE=0x3
[ 0.306219] ACPI: ¥_SB_.PCIO.LPC0.EC_: Boot DSDT EC initialization complete
[ 0.306219] ACPI: ¥_SB_.PCIO.LPC0.EC_: EC: Used to handle transactions and events
[ 0.306250] iommu: Default domain type: Translated
[ 0.306250] iommu: DMA domain TLB invalidation policy: lazy mode
[ 0.306513] SCSI subsystem initialized
[ 0.306524] libata version 3.00 loaded.
[ 0.306524] ACPI: bus type USB registered
[ 0.306524] usbcore: registered new interface driver usbfs
[ 0.306524] usbcore: registered new interface driver hub
[ 0.306524] usbcore: registered new device driver usb
[ 0.312560] pps_core: LinuxPPS API ver. 1 registered
[ 0.312562] pps_core: Software ver. 5.3.6 - Copyright 2005-2007 Rodolfo Giometti
<giometti@linux.it>
[ 0.312564] PTP clock support registered
[ 0.312576] EDAC MC: Ver: 3.0.0
[ 0.312576] Registered efivars operations
[ 0.312576] NetLabel: Initializing
[ 0.312576] NetLabel: domain hash size = 128
[ 0.312576] NetLabel: protocols = UNLABELED CIPSOv4 CALIPSO
[ 0.312576] NetLabel: unlabeled traffic allowed by default
[ 0.312576] mctp: management component transport protocol core
[ 0.312576] NET: Registered PF_MCTP protocol family
[ 0.312576] PCI: Using ACPI for IRQ routing
[ 0.315300] PCI: pci_cache_line_size set to 64 bytes
[ 0.315661] Expanded resource Reserved due to conflict with PCI Bus 0000:00
[ 0.315662] e820: reserve RAM buffer [mem 0x0009f000-0x0009ffff]
[ 0.315664] e820: reserve RAM buffer [mem 0x09a00000-0x0bffffff]
[ 0.315665] e820: reserve RAM buffer [mem 0x09f00000-0x0bffffff]
[ 0.315665] e820: reserve RAM buffer [mem 0xb5729000-0xb7ffffff]
[ 0.315667] e820: reserve RAM buffer [mem 0xb58d2018-0xb7ffffff]
[ 0.315667] e820: reserve RAM buffer [mem 0xb58ee000-0xb7ffffff]
[ 0.315668] e820: reserve RAM buffer [mem 0xb58f5000-0xb7ffffff]
[ 0.315669] e820: reserve RAM buffer [mem 0xb99e9000-0xbbffffff]
[ 0.315670] e820: reserve RAM buffer [mem 0xc8dff000-0xcbffffff]
[ 0.315670] e820: reserve RAM buffer [mem 0xce000000-0xcfffffff]
[ 0.315671] e820: reserve RAM buffer [mem 0x3fffffff000-0x3fffffff]
[ 0.315672] e820: reserve RAM buffer [mem 0x40f340000-0x40fffffff]
[ 0.315688] pci 0000:03:00.0: vgaarb: setting as boot VGA device
[ 0.315689] pci 0000:03:00.0: vgaarb: bridge control possible
[ 0.315690] pci 0000:03:00.0: vgaarb: VGA device added: decodes=io+mem, owns=none, locks=none
[ 0.315691] vgaarb: loaded
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[ 0.315699] hpet0: at MMIO 0xfed00000, IRQs 2, 8, 0
[ 0.315699] hpet0: 3 comparators, 32-bit 14.318180 MHz counter
[ 0.315699] clocksource: Switched to clocksource tsc-early
[ 0.322737] VFS: Disk quotas dquot_6.6.0
[ 0.322765] VFS: Dquot-cache hash table entries: 512 (order 0, 4096 bytes)
[ 0.322926] AppArmor: AppArmor Filesystem Enabled
[ 0.322990] pnp: PnP ACPI init
[ 0.323339] system 00:00: [mem 0xfec00000-0xfec01fff] could not be reserved
[ 0.323345] system 00:00: [mem 0xfec00000-0xfec00fff] has been reserved
[ 0.323348] system 00:00: [mem 0xfdd00000-0xfddfffff] has been reserved
[ 0.323687] system 00:03: [io 0x0400-0x04cf] has been reserved
[ 0.323690] system 00:03: [io 0x04d0-0x04d1] has been reserved
[ 0.323692] system 00:03: [io 0x04d6] has been reserved
[ 0.323694] system 00:03: [io 0x0c00-0x0c01] has been reserved
[ 0.323697] system 00:03: [io 0x0c14] has been reserved
[ 0.323699] system 00:03: [io 0x0c50-0x0c52] has been reserved
[ 0.323701] system 00:03: [io 0x0c6c] has been reserved
[ 0.323703] system 00:03: [io 0x0c6f] has been reserved
[ 0.323707] system 00:03: [io 0x0cd0-0x0cdb] has been reserved
[ 0.323818] system 00:04: [mem 0xff000000-0xffffffff] has been reserved
[ 0.324911] pnp: PnP ACPI: found 5 devices
[ 0.330446] clocksource: acpi_pm: mask: 0xffffffff max_cycles: 0xffffffff, max_idle_ns:
2085701024 ns
[ 0.330563] NET: Registered PF_INET protocol family
[ 0.330852] IP idents hash table entries: 262144 (order: 9, 2097152 bytes, linear)
[ 0.333992] tcp_listen_portaddr_hash hash table entries: 8192 (order: 5, 131072 bytes,
linear)
[ 0.334026] Table-perturb hash table entries: 65536 (order: 6, 262144 bytes, linear)
[ 0.334125] TCP established hash table entries: 131072 (order: 8, 1048576 bytes, linear)
[ 0.334436] TCP bind hash table entries: 65536 (order: 9, 2097152 bytes, linear)
[ 0.334536] TCP: Hash tables configured (established 131072 bind 65536)
[ 0.334645] MPTCP token hash table entries: 16384 (order: 6, 393216 bytes, linear)
[ 0.334694] UDP hash table entries: 8192 (order: 6, 262144 bytes, linear)
[ 0.334737] UDP-Lite hash table entries: 8192 (order: 6, 262144 bytes, linear)
[ 0.334799] NET: Registered PF_UNIX/PF_LOCAL protocol family
[ 0.334805] NET: Registered PF_XDP protocol family
[ 0.334817] pci 0000:00:02.2: bridge window [mem 0x00100000-0x000fffff 64bit pref] to [bus
01] add_size 200000 add_align 100000
[ 0.334828] clipped [mem size 0x00000000 64bit pref] to [mem size 0xffffffffffffe0000 64bit
pref] for e820 entry [mem 0x0009f000-0x000bffff]
[ 0.334832] clipped [mem size 0x00000000 64bit pref] to [mem size 0xffffffffffff900 64bit
pref] for e820 entry [mem 0xfed80000-0xfed81fff]
[ 0.334834] pci 0000:00:02.2: BAR 15: assigned [mem 0x45020000-0x4503ffff 64bit pref]
[ 0.334837] pci 0000:00:02.2: PCI bridge to [bus 01]
[ 0.334839] pci 0000:00:02.2: bridge window [io 0x2000-0x2fff]
[ 0.334842] pci 0000:00:02.2: bridge window [mem 0xd0500000-0xd05fffff]
[ 0.334844] pci 0000:00:02.2: bridge window [mem 0x45020000-0x4503ffff 64bit pref]
[ 0.334847] pci 0000:00:02.4: PCI bridge to [bus 02]
[ 0.334849] pci 0000:00:02.4: bridge window [mem 0xd0400000-0xd04fffff]
[ 0.334855] pci 0000:00:08.1: PCI bridge to [bus 03]
[ 0.334856] pci 0000:00:08.1: bridge window [io 0x1000-0x1fff]
[ 0.334858] pci 0000:00:08.1: bridge window [mem 0xd0000000-0xd03fffff]
[ 0.334860] pci 0000:00:08.1: bridge window [mem 0xfce000000-0xfcf01fffff 64bit pref]
[ 0.334865] pci_bus 0000:00: resource 4 [io 0x0000-0x0cf7 window]
[ 0.334866] pci_bus 0000:00: resource 5 [io 0x0d00-0xffff window]
[ 0.334867] pci_bus 0000:00: resource 6 [mem 0x000a0000-0x000bffff window]
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[ 0.334868] pci_bus 0000:00: resource 7 [mem 0x000c0000-0x000cffff window]
[ 0.334869] pci_bus 0000:00: resource 8 [mem 0x000d0000-0x000effff window]
[ 0.334870] pci_bus 0000:00: resource 9 [mem 0xd0000000-0xf7ffffff window]
[ 0.334871] pci_bus 0000:00: resource 10 [mem 0xfc000000-0xfeafffff window]
[ 0.334872] pci_bus 0000:00: resource 11 [mem 0xfed45000-0xfed811ff window]
[ 0.334873] pci_bus 0000:00: resource 12 [mem 0xfed81900-0xfed81fff window]
[ 0.334874] pci_bus 0000:00: resource 13 [mem 0xfedc0000-0xfedc0fff window]
[ 0.334875] pci_bus 0000:00: resource 14 [mem 0xfedc6000-0xfedc6fff window]
[ 0.334876] pci_bus 0000:00: resource 15 [mem 0x45020000-0xfcffffffff window]
[ 0.334877] pci_bus 0000:01: resource 0 [io 0x2000-0x2fff]
[ 0.334878] pci_bus 0000:01: resource 1 [mem 0xd0500000-0xd05fffff]
[ 0.334879] pci_bus 0000:01: resource 2 [mem 0x45020000-0x4503ffff 64bit pref]
[ 0.334880] pci_bus 0000:02: resource 1 [mem 0xd0400000-0xd04fffff]
[ 0.334881] pci_bus 0000:03: resource 0 [io 0x1000-0x1fff]
[ 0.334882] pci_bus 0000:03: resource 1 [mem 0xd0000000-0xd03fffff]
[ 0.334883] pci_bus 0000:03: resource 2 [mem 0xfce000000-0xfcf01fffff 64bit pref]
[ 0.335267] pci 0000:03:00.1: D0 power state depends on 0000:03:00.0
[ 0.335276] pci 0000:03:00.3: extending delay after power-on from D3hot to 20 msec
[ 0.369777] pci 0000:03:00.3: quirk_usb_early_handoff+0x0/0x750 took 33690 usecs
[ 0.369786] pci 0000:03:00.4: extending delay after power-on from D3hot to 20 msec
[ 0.398708] pci 0000:03:00.4: quirk_usb_early_handoff+0x0/0x750 took 28242 usecs
[ 0.398713] PCI: CLS 64 bytes, default 64
[ 0.398724] pci 0000:00:00.2: AMD-Vi: IOMMU performance counters supported
[ 0.398761] Trying to unpack rootfs image as initramfs...
[ 0.398777] pci 0000:00:01.0: Adding to iommu group 0
[ 0.398789] pci 0000:00:02.0: Adding to iommu group 1
[ 0.398796] pci 0000:00:02.2: Adding to iommu group 2
[ 0.398803] pci 0000:00:02.4: Adding to iommu group 3
[ 0.398813] pci 0000:00:08.0: Adding to iommu group 4
[ 0.398819] pci 0000:00:08.1: Adding to iommu group 4
[ 0.398829] pci 0000:00:14.0: Adding to iommu group 5
[ 0.398835] pci 0000:00:14.3: Adding to iommu group 5
[ 0.398855] pci 0000:00:18.0: Adding to iommu group 6
[ 0.398862] pci 0000:00:18.1: Adding to iommu group 6
[ 0.398868] pci 0000:00:18.2: Adding to iommu group 6
[ 0.398873] pci 0000:00:18.3: Adding to iommu group 6
[ 0.398880] pci 0000:00:18.4: Adding to iommu group 6
[ 0.398886] pci 0000:00:18.5: Adding to iommu group 6
[ 0.398892] pci 0000:00:18.6: Adding to iommu group 6
[ 0.398899] pci 0000:00:18.7: Adding to iommu group 6
[ 0.398906] pci 0000:01:00.0: Adding to iommu group 7
[ 0.398914] pci 0000:02:00.0: Adding to iommu group 8
[ 0.398927] pci 0000:03:00.0: Adding to iommu group 4
[ 0.398931] pci 0000:03:00.1: Adding to iommu group 4
[ 0.398934] pci 0000:03:00.2: Adding to iommu group 4
[ 0.398939] pci 0000:03:00.3: Adding to iommu group 4
[ 0.398942] pci 0000:03:00.4: Adding to iommu group 4
[ 0.398947] pci 0000:03:00.5: Adding to iommu group 4
[ 0.399943] pci 0000:00:00.2: can't derive routing for PCI INT A
[ 0.399949] pci 0000:00:00.2: PCI INT A: not connected
[ 0.400321] pci 0000:00:00.2: AMD-Vi: Found IOMMU cap 0x40
[ 0.400324] AMD-Vi: Extended features (0x206d73ef22254ade, 0x0): PPR X2APIC NX GT IA GA PC
GA_vAPIC
[ 0.400330] AMD-Vi: Interrupt remapping enabled
[ 0.400331] AMD-Vi: X2APIC enabled
[ 0.400362] AMD-Vi: Virtual APIC enabled

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[ 0.400444] PCI-DMA: Using software bounce buffering for IO (SWIOTLB)
[ 0.400446] software IO TLB: mapped [mem 0x00000000c4562000-0x00000000c8562000] (64MB)
[ 0.400504] LVT offset 0 assigned for vector 0x400
[ 0.400695] perf: AMD IBS detected (0x000003ff)
[ 0.400707] perf/amd_iommu: Detected AMD IOMMU #0 (2 banks, 4 counters/bank).
[ 0.401168] Initialise system trusted keyrings
[ 0.401177] Key type blacklist registered
[ 0.401194] workingset: timestamp_bits=36 max_order=22 bucket_order=0
[ 0.402574] zbud: loaded
[ 0.402805] squashfs: version 4.0 (2009/01/31) Phillip Lougher
[ 0.402882] fuse: init (API version 7.37)
[ 0.403006] integrity: Platform Keyring initialized
[ 0.403008] integrity: Machine keyring initialized
[ 0.405498] Key type asymmetric registered
[ 0.405499] Asymmetric key parser 'x509' registered
[ 1.346233] tsc: Refined TSC clocksource calibration: 2096.052 MHz
[ 1.346244] clocksource: tsc: mask: 0xffffffffffffffff max_cycles: 0x1e369f2af55,
max_idle_ns: 440795289088 ns
[ 1.346410] clocksource: Switched to clocksource tsc
[ 2.987279] Freeing initrd memory: 512628K
[ 2.989999] alg: self-tests for CTR-KDF (hmac(sha256)) passed
[ 2.990050] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 243)
[ 2.990110] io scheduler mq-deadline registered
[ 2.991680] pcieport 0000:00:02.2: PME: Signaling with IRQ 26
[ 2.991695] pcieport 0000:00:02.2: pciehp: Slot #0 AttnBtn- PwrCtrl- MRL- AttnInd- PwrInd-
HotPlug+ Surprise+ Interlock- NoCompl+ IbPresDis- LLActRep+
[ 2.991838] pcieport 0000:00:02.4: PME: Signaling with IRQ 27
[ 2.991929] pcieport 0000:00:08.1: PME: Signaling with IRQ 28
[ 2.991993] shpchp: Standard Hot Plug PCI Controller Driver version: 0.4
[ 2.992910] ACPI: AC: AC Adapter [ACAD] (on-line)
[ 2.992941] input: Power Button as /devices/LNXSYSTM:00/LNXXSYBUS:00/PNP0C0C:00/input/input0
[ 2.992955] ACPI: button: Power Button [PWRB]
[ 2.992978] input: Lid Switch as /devices/LNXSYSTM:00/LNXXSYBUS:00/PNP0C0D:00/input/input1
[ 2.992990] ACPI: button: Lid Switch [LID]
[ 2.993008] input: Power Button as /devices/LNXSYSTM:00/LNXPWRBN:00/input/input2
[ 2.993036] ACPI: button: Power Button [PWRP]
[ 2.993111] Estimated ratio of average max frequency by base frequency (times 1024): 1501
[ 2.993123] Monitor-Mwait will be used to enter C-1 state
[ 2.993129] ACPI: ¥_SB_.PLTF.C000: Found 3 idle states
[ 2.993210] ACPI: ¥_SB_.PLTF.C001: Found 3 idle states
[ 2.993278] ACPI: ¥_SB_.PLTF.C002: Found 3 idle states
[ 2.993363] ACPI: ¥_SB_.PLTF.C003: Found 3 idle states
[ 2.993463] ACPI: ¥_SB_.PLTF.C004: Found 3 idle states
[ 2.993543] ACPI: ¥_SB_.PLTF.C005: Found 3 idle states
[ 2.993610] ACPI: ¥_SB_.PLTF.C006: Found 3 idle states
[ 2.993674] ACPI: ¥_SB_.PLTF.C007: Found 3 idle states
[ 2.993738] ACPI: ¥_SB_.PLTF.C008: Found 3 idle states
[ 2.993837] ACPI: ¥_SB_.PLTF.C009: Found 3 idle states
[ 2.993913] ACPI: ¥_SB_.PLTF.C00A: Found 3 idle states
[ 2.994020] ACPI: ¥_SB_.PLTF.C00B: Found 3 idle states
[ 2.994284] Serial: 8250/16550 driver, 32 ports, IRQ sharing enabled
[ 2.995179] ACPI: battery: Slot [BAT0] (battery present)
[ 2.995974] Linux agpgart interface v0.103
[ 3.007045] loop: module loaded
[ 3.007247] tun: Universal TUN/TAP device driver, 1.6
[ 3.007278] PPP generic driver version 2.4.2
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[ 3.007340] VFIO - User Level meta-driver version: 0.3
[ 3.007475] i8042: PNP: PS/2 Controller [PNP0303:KBC0] at 0x60,0x64 irq 1
[ 3.007477] i8042: PNP: PS/2 appears to have AUX port disabled, if this is incorrect please
boot with i8042.nopnp
[ 3.009114] serio: i8042 KBD port at 0x60,0x64 irq 1
[ 3.009200] mousedev: PS/2 mouse device common for all mice
[ 3.009494] rtc_cmos 00:01: RTC can wake from S4
[ 3.009676] rtc_cmos 00:01: registered as rtc0
[ 3.009702] rtc_cmos 00:01: setting system clock to 2021-01-01T00:00:43 UTC (1609459243)
[ 3.009723] rtc_cmos 00:01: alarms up to one month, 114 bytes nvram, hpet irqs
[ 3.009728] i2c_dev: i2c /dev entries driver
[ 3.009822] device-mapper: core: CONFIG_IMA_DISABLE_HTABLE is disabled. Duplicate IMA
measurements will not be recorded in the IMA log.
[ 3.009840] device-mapper: uevent: version 1.0.3
[ 3.009897] device-mapper: ioctl: 4.47.0-ioctl (2022-07-28) initialised: dm-devel@redhat.com
[ 3.009912] platform eisa.0: Probing EISA bus 0
[ 3.009914] platform eisa.0: EISA: Cannot allocate resource for mainboard
[ 3.009915] platform eisa.0: Cannot allocate resource for EISA slot 1
[ 3.009916] platform eisa.0: Cannot allocate resource for EISA slot 2
[ 3.009917] platform eisa.0: Cannot allocate resource for EISA slot 3
[ 3.009918] platform eisa.0: Cannot allocate resource for EISA slot 4
[ 3.009919] platform eisa.0: Cannot allocate resource for EISA slot 5
[ 3.009919] platform eisa.0: Cannot allocate resource for EISA slot 6
[ 3.009920] platform eisa.0: Cannot allocate resource for EISA slot 7
[ 3.009921] platform eisa.0: Cannot allocate resource for EISA slot 8
[ 3.009922] platform eisa.0: EISA: Detected 0 cards
[ 3.010162] ledtrig-cpu: registered to indicate activity on CPUs
[ 3.010179] efifb: probing for efifb
[ 3.010202] efifb: showing boot graphics
[ 3.012768] efifb: framebuffer at 0xfce0000000, using 12240k, total 12240k
[ 3.012770] efifb: mode is 2160x1440x32, linelength=8704, pages=1
[ 3.012771] efifb: scrolling: redraw
[ 3.012771] efifb: Truecolor: size=8:8:8:8, shift=24:16:8:0
[ 3.012822] fbcon: Deferring console take-over
[ 3.012823] fb0: EFI VGA frame buffer device
[ 3.012894] drop_monitor: Initializing network drop monitor service
[ 3.013001] NET: Registered PF_INET6 protocol family
[ 3.016938] Segment Routing with IPv6
[ 3.016955] In-situ OAM (IOAM) with IPv6
[ 3.016996] NET: Registered PF_PACKET protocol family
[ 3.017104] Key type dns_resolver registered
[ 3.017123] input: AT Translated Set 2 keyboard as
/devices/platform/i8042/serio0/input/input3
[ 3.018379] microcode: CPU0: patch_level=0x08608102
[ 3.018391] microcode: CPU1: patch_level=0x08608102
[ 3.018411] microcode: CPU2: patch_level=0x08608102
[ 3.018421] microcode: CPU3: patch_level=0x08608102
[ 3.018443] microcode: CPU4: patch_level=0x08608102
[ 3.018453] microcode: CPU5: patch_level=0x08608102
[ 3.018463] microcode: CPU6: patch_level=0x08608102
[ 3.018472] microcode: CPU7: patch_level=0x08608102
[ 3.018488] microcode: CPU8: patch_level=0x08608102
[ 3.018495] microcode: CPU9: patch_level=0x08608102
[ 3.018514] microcode: CPU10: patch_level=0x08608102
[ 3.018524] microcode: CPU11: patch_level=0x08608102
[ 3.018530] microcode: Microcode Update Driver: v2.2.
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[ 3.018732] resctrl: L3 allocation detected
[ 3.018734] resctrl: MB allocation detected
[ 3.018734] resctrl: L3 monitoring detected
[ 3.018737] IPI shorthand broadcast: enabled
[ 3.018753] sched_clock: Marking stable (3018417884, 304720)->(3029788129, -11065525)
[ 3.019049] registered taskstats version 1
[ 3.019205] Loading compiled-in X.509 certificates
[ 3.019762] Loaded X.509 cert 'Build time autogenerated kernel key:
2690c218c43b6aa32af2406b2686d7eca45a3a14'
[ 3.020257] zswap: loaded using pool lzo/zbud
[ 3.020441] Key type .fscrypt registered
[ 3.020442] Key type fscrypt-provisioning registered
[ 3.020715] Key type trusted registered
[ 3.022998] Key type encrypted registered
[ 3.023001] AppArmor: AppArmor sha1 policy hashing enabled
[ 3.026291] Loading compiled-in module X.509 certificates
[ 3.027099] Loaded X.509 cert 'Build time autogenerated kernel key:
2690c218c43b6aa32af2406b2686d7eca45a3a14'
[ 3.027103] ima: Allocated hash algorithm: sha1
[ 3.038276] ima: No architecture policies found
[ 3.038316] evm: Initialising EVM extended attributes:
[ 3.038317] evm: security.selinux
[ 3.038320] evm: security.SMACK64
[ 3.038322] evm: security.SMACK64EXEC
[ 3.038323] evm: security.SMACK64TRANSMUTE
[ 3.038324] evm: security.SMACK64MMAP
[ 3.038325] evm: security.apparmor
[ 3.038327] evm: security.ima
[ 3.038328] evm: security.capability
[ 3.038329] evm: HMAC attrs: 0x1
[ 3.039928] PM: Magic number: 5:1:0
[ 3.039992] memory memory48: hash matches
[ 3.040347] acpi_cpufreq: overriding BIOS provided _PSD data
[ 3.041030] RAS: Correctable Errors collector initialized.
[ 3.042294] Freeing unused decrypted memory: 2036K
[ 3.042733] Freeing unused kernel image (initmem) memory: 3136K
[ 3.086459] Write protecting the kernel read-only data: 26624k
[ 3.087437] Freeing unused kernel image (text/rodata gap) memory: 2036K
[ 3.087672] Freeing unused kernel image (rodata/data gap) memory: 644K
[ 3.123204] x86/mm: Checked W+X mappings: passed, no W+X pages found.
[ 3.123212] Run /init as init process
[ 3.123214]   with arguments:
[ 3.123215]     /init
[ 3.123216]     splash
[ 3.123217]   with environment:
[ 3.123217]     HOME=/
[ 3.123218]     TERM=linux
[ 3.123218]     BOOT_IMAGE=/boot/vmlinuz-6.1.3
[ 3.190624] ACPI: video: Video Device [VGA] (multi-head: yes rom: no post: no)
[ 3.190715] input: Video Bus as
/devices/LNXSYSTM:00/LNXXSYBUS:00/PNP0A08:00/device:0d/LNXVIDEO:00/input/input4
[ 3.193500] xhci_hcd 0000:03:00.3: xHCI Host Controller
[ 3.193514] xhci_hcd 0000:03:00.3: new USB bus registered, assigned bus number 1
[ 3.193626] xhci_hcd 0000:03:00.3: hcc params 0x0268ffe5 hci version 0x110 quirks
0x00000200000000410
[ 3.194053] xhci_hcd 0000:03:00.3: xHCI Host Controller
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[ 3.194060] xhci_hcd 0000:03:00.3: new USB bus registered, assigned bus number 2
[ 3.194064] xhci_hcd 0000:03:00.3: Host supports USB 3.1 Enhanced SuperSpeed
[ 3.194112] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002, bcdDevice= 6.01
[ 3.194115] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[ 3.194117] usb usb1: Product: xHCI Host Controller
[ 3.194118] usb usb1: Manufacturer: Linux 6.1.3 xhci-hcd
[ 3.194120] usb usb1: SerialNumber: 0000:03:00.3
[ 3.194155] piix4_smbus 0000:00:14.0: SMBus Host Controller at 0xb00, revision 0
[ 3.194161] piix4_smbus 0000:00:14.0: Using register 0x02 for SMBus port selection
[ 3.194409] hub 1-0:1.0: USB hub found
[ 3.194422] hub 1-0:1.0: 4 ports detected
[ 3.194474] piix4_smbus 0000:00:14.0: Auxiliary SMBus Host Controller at 0xb20
[ 3.194841] hid: raw HID events driver (C) Jiri Kosina
[ 3.195259] usb usb2: We don't know the algorithms for LPM for this host, disabling LPM.
[ 3.195278] usb usb2: New USB device found, idVendor=1d6b, idProduct=0003, bcdDevice= 6.01
[ 3.195280] usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[ 3.195281] usb usb2: Product: xHCI Host Controller
[ 3.195282] usb usb2: Manufacturer: Linux 6.1.3 xhci-hcd
[ 3.195283] usb usb2: SerialNumber: 0000:03:00.3
[ 3.195386] hub 2-0:1.0: USB hub found
[ 3.195399] hub 2-0:1.0: 2 ports detected
[ 3.195764] xhci_hcd 0000:03:00.4: xHCI Host Controller
[ 3.195769] xhci_hcd 0000:03:00.4: new USB bus registered, assigned bus number 3
[ 3.195860] xhci_hcd 0000:03:00.4: hcc params 0x0268ffe5 hci version 0x110 quirks
0x0000020000000410
[ 3.196227] xhci_hcd 0000:03:00.4: xHCI Host Controller
[ 3.196231] xhci_hcd 0000:03:00.4: new USB bus registered, assigned bus number 4
[ 3.196233] xhci_hcd 0000:03:00.4: Host supports USB 3.1 Enhanced SuperSpeed
[ 3.196285] usb usb3: New USB device found, idVendor=1d6b, idProduct=0002, bcdDevice= 6.01
[ 3.196287] usb usb3: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[ 3.196289] usb usb3: Product: xHCI Host Controller
[ 3.196291] usb usb3: Manufacturer: Linux 6.1.3 xhci-hcd
[ 3.196292] usb usb3: SerialNumber: 0000:03:00.4
[ 3.196476] hub 3-0:1.0: USB hub found
[ 3.196491] hub 3-0:1.0: 4 ports detected
[ 3.197700] usb usb4: We don't know the algorithms for LPM for this host, disabling LPM.
[ 3.197725] usb usb4: New USB device found, idVendor=1d6b, idProduct=0003, bcdDevice= 6.01
[ 3.197728] usb usb4: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[ 3.197730] usb usb4: Product: xHCI Host Controller
[ 3.197731] usb usb4: Manufacturer: Linux 6.1.3 xhci-hcd
[ 3.197733] usb usb4: SerialNumber: 0000:03:00.4
[ 3.197916] hub 4-0:1.0: USB hub found
[ 3.197930] hub 4-0:1.0: 2 ports detected
[ 3.358937] input: GXTP7863:00 27C6:01E0 Mouse as /devices/platform/AMD10010:00/i2c-0/i2c-
GXTP7863:00/0018:27C6:01E0.0001/input/input5
[ 3.359012] input: GXTP7863:00 27C6:01E0 Touchpad as /devices/platform/AMD10010:00/i2c-0/i2c-
GXTP7863:00/0018:27C6:01E0.0001/input/input6
[ 3.359079] hid-generic 0018:27C6:01E0.0001: input,hidraw0: I2C HID v1.00 Mouse [GXTP7863:00
27C6:01E0] on i2c-GXTP7863:00
[ 3.360755] nvme 0000:02:00.0: platform quirk: setting simple suspend
[ 3.360808] nvme nvme0: pci function 0000:02:00.0
[ 3.387759] nvme nvme0: missing or invalid SUBNQN field.
[ 3.449874] nvme nvme0: allocated 128 MiB host memory buffer.
[ 3.454269] usb 1-2: new full-speed USB device number 2 using xhci_hcd
[ 3.454290] usb 3-3: new full-speed USB device number 2 using xhci_hcd
[ 3.460197] nvme nvme0: 8/0/0 default/read/poll queues
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[ 3.472077] nvme0n1: p1 p2 p3 p4 p6
[ 3.616154] usb 1-2: New USB device found, idVendor=3044, idProduct=eac6, bcdDevice= 2.00
[ 3.616164] usb 1-2: New USB device strings: Mfr=0, Product=1, SerialNumber=0
[ 3.616168] usb 1-2: Product: MIIIW USB Receiver
[ 3.622544] usb 3-3: New USB device found, idVendor=1358, idProduct=c123, bcdDevice= 0.00
[ 3.622552] usb 3-3: New USB device strings: Mfr=1, Product=2, SerialNumber=3
[ 3.622556] usb 3-3: Product: Bluetooth Radio
[ 3.622558] usb 3-3: Manufacturer: Realtek
[ 3.622561] usb 3-3: SerialNumber: 00e04c000001
[ 3.754338] usb 1-4: new full-speed USB device number 3 using xhci_hcd
[ 3.758237] usb 3-4: new high-speed USB device number 3 using xhci_hcd
[ 3.914199] usb 3-4: New USB device found, idVendor=13d3, idProduct=5476, bcdDevice=21.05
[ 3.914210] usb 3-4: New USB device strings: Mfr=3, Product=1, SerialNumber=2
[ 3.914214] usb 3-4: Product: HD Camera
[ 3.914230] usb 3-4: Manufacturer: Azurewave
[ 3.914233] usb 3-4: SerialNumber: 0001
[ 3.938480] usb 1-4: New USB device found, idVendor=27c6, idProduct=5110, bcdDevice= 2.00
[ 3.938490] usb 1-4: New USB device strings: Mfr=1, Product=2, SerialNumber=3
[ 3.938494] usb 1-4: Product: Goodix Fingerprint Device
[ 3.938497] usb 1-4: Manufacturer: Shenzhen Goodix Technology Co.,Ltd.
[ 3.938500] usb 1-4: SerialNumber: 0000000001A
[ 3.985507] input: MIIIW USB Receiver as
/devices/pci0000:00/0000:00:08.1/0000:03:00.3/usb1/1-2/1-2:1.0/0003:3044:EAC6.0002/input/input8
[ 4.043874] hid-generic 0003:3044:EAC6.0002: input,hidraw1: USB HID v1.10 Keyboard [MIIIW USB
Receiver] on usb-0000:03:00.3-2/input0
[ 4.049954] input: MIIIW USB Receiver as
/devices/pci0000:00/0000:00:08.1/0000:03:00.3/usb1/1-2/1-2:1.1/0003:3044:EAC6.0003/input/input9
[ 4.050106] input: MIIIW USB Receiver Mouse as
/devices/pci0000:00/0000:00:08.1/0000:03:00.3/usb1/1-2/1-2:1.1/0003:3044:EAC6.0003/input/input10
[ 4.050316] input: MIIIW USB Receiver Consumer Control as
/devices/pci0000:00/0000:00:08.1/0000:03:00.3/usb1/1-2/1-2:1.1/0003:3044:EAC6.0003/input/input11
[ 4.110540] input: MIIIW USB Receiver System Control as
/devices/pci0000:00/0000:00:08.1/0000:03:00.3/usb1/1-2/1-2:1.1/0003:3044:EAC6.0003/input/input12
[ 4.110743] hid-generic 0003:3044:EAC6.0003: input,hiddev0,hidraw2: USB HID v1.10 Mouse
[MIIIW USB Receiver] on usb-0000:03:00.3-2/input1
[ 4.110805] usbcore: registered new interface driver usbhid
[ 4.110808] usbhid: USB HID core driver
[ 4.149760] fbcon: Taking over console
[ 4.149867] Console: switching to colour frame buffer device 135x45
[ 4.579911] EXT4-fs (nvme0n1p6): mounted filesystem with ordered data mode. Quota mode: none.
[ 4.743182] systemd[1]: System time before build time, advancing clock.
[ 4.759012] systemd[1]: Inserted module 'autofs4'
[ 4.791139] systemd[1]: systemd 249.11-0ubuntu3.6 running in system mode (+PAM +AUDIT
+SELINUX +APPARMOR +IMA +SMACK +SECCOMP +GCRYPT +GNUTLS +OPENSSL +ACL +BLKID +CURL +ELFUTILS
+FIDO2 +IDN2 -IDN +IPTC +KMOD +LIBCRYPTSETUP +LIBFDISK +PCRE2 -PWQUALITY -P11KIT -QRENCODE
+BZIP2 +LZ4 +XZ +ZLIB +ZSTD -XKBCOMMON +UTMP +SYSVINIT default-hierarchy=unified)
[ 4.791213] systemd[1]: Detected architecture x86-64.
[ 4.791567] systemd[1]: Hostname set to <takry-KLVL-WXXW>.
[ 4.934717] systemd[1]: Queued start job for default target Graphical Interface.
[ 5.024113] systemd[1]: Created slice Slice /system/modprobe.
[ 5.024651] systemd[1]: Created slice Slice /system/systemd-fsck.
[ 5.024853] systemd[1]: Created slice User and Session Slice.
[ 5.024926] systemd[1]: Started Forward Password Requests to Wall Directory Watch.
[ 5.025115] systemd[1]: Set up automount Arbitrary Executable File Formats File System
Automount Point.
[ 5.025187] systemd[1]: Reached target User and Group Name Lookups.
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[ 5.025210] systemd[1]: Reached target Remote File Systems.
[ 5.025223] systemd[1]: Reached target Slice Units.
[ 5.025254] systemd[1]: Reached target Local Verity Protected Volumes.
[ 5.025385] systemd[1]: Listening on Syslog Socket.
[ 5.025456] systemd[1]: Listening on fsck to fsckd communication Socket.
[ 5.025501] systemd[1]: Listening on initctl Compatibility Named Pipe.
[ 5.025642] systemd[1]: Listening on Journal Audit Socket.
[ 5.025700] systemd[1]: Listening on Journal Socket (/dev/log).
[ 5.025785] systemd[1]: Listening on Journal Socket.
[ 5.025876] systemd[1]: Listening on udev Control Socket.
[ 5.025938] systemd[1]: Listening on udev Kernel Socket.
[ 5.026718] systemd[1]: Mounting Huge Pages File System...
[ 5.027696] systemd[1]: Mounting POSIX Message Queue File System...
[ 5.028572] systemd[1]: Mounting Kernel Debug File System...
[ 5.029191] systemd[1]: Mounting Kernel Trace File System...
[ 5.030453] systemd[1]: Starting Journal Service...
[ 5.031442] systemd[1]: Starting Set the console keyboard layout...
[ 5.032186] systemd[1]: Starting Create List of Static Device Nodes...
[ 5.032873] systemd[1]: Starting Load Kernel Module chromeos_pstore...
[ 5.033610] systemd[1]: Starting Load Kernel Module configfs...
[ 5.034457] systemd[1]: Starting Load Kernel Module drm...
[ 5.035218] systemd[1]: Starting Load Kernel Module efi_pstore...
[ 5.036015] systemd[1]: Starting Load Kernel Module fuse...
[ 5.036905] systemd[1]: Starting Load Kernel Module pstore_blk...
[ 5.038572] systemd[1]: Starting Load Kernel Module pstore_zone...
[ 5.039669] pstore: Using crash dump compression: deflate
[ 5.040071] systemd[1]: Starting Load Kernel Module ramoops...
[ 5.040291] systemd[1]: Condition check resulted in File System Check on Root Device being
skipped.
[ 5.042253] systemd[1]: Starting Load Kernel Modules...
[ 5.043742] systemd[1]: Starting Remount Root and Kernel File Systems...
[ 5.045527] systemd[1]: Starting Coldplug All udev Devices...
[ 5.047711] systemd[1]: Mounted Huge Pages File System.
[ 5.047830] systemd[1]: Mounted POSIX Message Queue File System.
[ 5.047903] systemd[1]: Mounted Kernel Debug File System.
[ 5.047971] systemd[1]: Mounted Kernel Trace File System.
[ 5.048353] systemd[1]: Finished Create List of Static Device Nodes.
[ 5.048969] systemd[1]: modprobe@configfs.service: Deactivated successfully.
[ 5.050135] pstore: Registered efi as persistent store backend
[ 5.050410] systemd[1]: Finished Load Kernel Module configfs.
[ 5.050724] systemd[1]: modprobe@fuse.service: Deactivated successfully.
[ 5.050923] systemd[1]: Finished Load Kernel Module fuse.
[ 5.051144] systemd[1]: modprobe@efi_pstore.service: Deactivated successfully.
[ 5.051308] systemd[1]: Finished Load Kernel Module efi_pstore.
[ 5.051502] systemd[1]: modprobe@pstore_blk.service: Deactivated successfully.
[ 5.051657] systemd[1]: Finished Load Kernel Module pstore_blk.
[ 5.051815] systemd[1]: modprobe@pstore_zone.service: Deactivated successfully.
[ 5.051843] EXT4-fs (nvme0n1p6): re-mounted. Quota mode: none.
[ 5.051967] systemd[1]: Finished Load Kernel Module pstore_zone.
[ 5.052814] systemd[1]: modprobe@ramoops.service: Deactivated successfully.
[ 5.052980] systemd[1]: Finished Load Kernel Module ramoops.
[ 5.053269] systemd[1]: Finished Remount Root and Kernel File Systems.
[ 5.054206] systemd[1]: Activating swap /swapfile...
[ 5.054930] systemd[1]: Mounting FUSE Control File System...
[ 5.055616] systemd[1]: Mounting Kernel Configuration File System...
[ 5.056660] systemd[1]: Starting Load/Save Random Seed...
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[ 5.057784] systemd[1]: Starting Create System Users...
[ 5.058536] systemd[1]: Mounted FUSE Control File System.
[ 5.059271] systemd[1]: Mounted Kernel Configuration File System.
[ 5.060588] Adding 2097148k swap on /swapfile. Priority:-2 extents:6 across:2260988k SSFS
[ 5.060650] systemd[1]: Activated swap /swapfile.
[ 5.060684] systemd[1]: Reached target Swaps.
[ 5.071035] systemd[1]: Finished Load/Save Random Seed.
[ 5.071268] systemd[1]: Condition check resulted in First Boot Complete being skipped.
[ 5.073041] lp: driver loaded but no devices found
[ 5.074526] systemd[1]: Finished Create System Users.
[ 5.075766] systemd[1]: Starting Create Static Device Nodes in /dev...
[ 5.078713] systemd[1]: Started Journal Service.
[ 5.084804] systemd-journald[339]: Received client request to flush runtime journal.
[ 5.093154] systemd-journald[339]: File
/var/log/journal/6b1f3b4d543e4540be4773e0d4836f20/system.journal corrupted or uncleanly shut
down, renaming and replacing.
[ 5.093274] loop0: detected capacity change from 0 to 8
[ 5.095668] loop1: detected capacity change from 0 to 238984
[ 5.096480] loop2: detected capacity change from 0 to 238992
[ 5.100274] loop3: detected capacity change from 0 to 113832
[ 5.103533] loop4: detected capacity change from 0 to 113888
[ 5.105491] loop5: detected capacity change from 0 to 129520
[ 5.107283] loop6: detected capacity change from 0 to 129584
[ 5.108965] loop7: detected capacity change from 0 to 488400
[ 5.110855] loop8: detected capacity change from 0 to 488864
[ 5.112866] loop9: detected capacity change from 0 to 709216
[ 5.115089] loop10: detected capacity change from 0 to 709280
[ 5.116830] loop11: detected capacity change from 0 to 166424
[ 5.118469] loop12: detected capacity change from 0 to 187776
[ 5.124761] loop13: detected capacity change from 0 to 80496
[ 5.127734] loop14: detected capacity change from 0 to 1233160
[ 5.128629] loop15: detected capacity change from 0 to 1234888
[ 5.131413] loop16: detected capacity change from 0 to 94056
[ 5.133127] loop17: detected capacity change from 0 to 94064
[ 5.134998] loop18: detected capacity change from 0 to 101624
[ 5.136563] loop19: detected capacity change from 0 to 102048
[ 5.137920] loop20: detected capacity change from 0 to 568
[ 5.139323] loop21: detected capacity change from 0 to 608
[ 5.146317] ACPI: bus type drm_connector registered
[ 5.147459] ppdev: user-space parallel port driver
[ 5.279713] snd_pci_acp3x 0000:03:00.5: enabling device (0000 -> 0002)
[ 5.385092] mc: Linux media interface: v0.10
[ 5.385277] ccp 0000:03:00.2: enabling device (0000 -> 0002)
[ 5.386366] ccp 0000:03:00.2: ccp: unable to access the device: you might be running a broken
BIOS.
[ 5.387060] RAPL PMU: API unit is 2^-32 Joules, 1 fixed counters, 163840 ms ovfl timer
[ 5.387065] RAPL PMU: hw unit of domain package 2^-16 Joules
[ 5.397360] ccp 0000:03:00.2: tee enabled
[ 5.397367] ccp 0000:03:00.2: psp enabled
[ 5.418383] cryptd: max_cpu_qlen set to 1000
[ 5.425622] cfg80211: Loading compiled-in X.509 certificates for regulatory database
[ 5.430278] cfg80211: Loaded X.509 cert 'sforshee: 00b28ddf47aef9cea7'
[ 5.430495] input: Huawei WMI hotkeys as /devices/platform/huawei-wmi/input/input14
[ 5.440918] audit: type=1400 audit(1662749236.691:2): apparmor="STATUS"
operation="profile_load" profile="unconfined" name="lsb_release" pid=501 comm="apparmor_parser"
[ 5.445367] audit: type=1400 audit(1662749236.695:3): apparmor="STATUS"
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operation="profile_load" profile="unconfined" name="nvidia_modprobe" pid=502
comm="apparmor_parser"
[ 5.445380] audit: type=1400 audit(1662749236.695:4): apparmor="STATUS"
operation="profile_load" profile="unconfined" name="nvidia_modprobe//kmod" pid=502
comm="apparmor_parser"
[ 5.449115] audit: type=1400 audit(1662749236.699:5): apparmor="STATUS"
operation="profile_load" profile="unconfined" name="/usr/sbin/cups-browsed" pid=509
comm="apparmor_parser"
[ 5.452110] audit: type=1400 audit(1662749236.703:6): apparmor="STATUS"
operation="profile_load" profile="unconfined" name="/usr/bin/man" pid=506 comm="apparmor_parser"
[ 5.452119] audit: type=1400 audit(1662749236.703:7): apparmor="STATUS"
operation="profile_load" profile="unconfined" name="man_filter" pid=506 comm="apparmor_parser"
[ 5.452123] audit: type=1400 audit(1662749236.703:8): apparmor="STATUS"
operation="profile_load" profile="unconfined" name="man_groff" pid=506 comm="apparmor_parser"
[ 5.458151] audit: type=1400 audit(1662749236.707:9): apparmor="STATUS"
operation="profile_load" profile="unconfined" name="/usr/lib/NetworkManager/nm-dhcp-
client.action" pid=503 comm="apparmor_parser"
[ 5.458164] audit: type=1400 audit(1662749236.707:10): apparmor="STATUS"
operation="profile_load" profile="unconfined" name="/usr/lib/NetworkManager/nm-dhcp-helper"
pid=503 comm="apparmor_parser"
[ 5.458167] audit: type=1400 audit(1662749236.707:11): apparmor="STATUS"
operation="profile_load" profile="unconfined" name="/usr/lib/connman/scripts/dhclient-script"
pid=503 comm="apparmor_parser"
[ 5.639152] ACPI: battery: new extension: Huawei Battery Extension
[ 5.672372] videodev: Linux video capture interface: v2.00
[ 5.672968] AVX2 version of gcm_enc/dec engaged.
[ 5.673005] AES CTR mode by8 optimization enabled
[ 5.698142] Bluetooth: Core ver 2.22
[ 5.698187] NET: Registered PF_BLUETOOTH protocol family
[ 5.698188] Bluetooth: HCI device and connection manager initialized
[ 5.698192] Bluetooth: HCI socket layer initialized
[ 5.698194] Bluetooth: L2CAP socket layer initialized
[ 5.698197] Bluetooth: SCO socket layer initialized
[ 5.709709] systemd-journald[339]: Failed to read journal file
/var/log/journal/6b1f3b4d543e4540be4773e0d4836f20/user-1000.journal for rotation, trying to move
it out of the way: Device or resource busy
[ 5.726480] snd_hda_intel 0000:03:00.1: enabling device (0000 -> 0002)
[ 5.726585] snd_hda_intel 0000:03:00.1: Handle vga_switcheroo audio client
[ 5.765830] input: HD-Audio Generic HDMI/DP,pcm=3 as
/devices/pci0000:00/0000:00:08.1/0000:03:00.1/sound/card0/input15
[ 5.768368] es8316 i2c-ESSX8336:00: PLATFORM_MAINMIC_TYPE_ARG=0xbb
[ 5.768425] es8316 i2c-ESSX8336:00: PLATFORM_HPMIC_TYPE_ARG=0xcc
[ 5.768477] es8316 i2c-ESSX8336:00: PLATFORM_SPK_TYPE_ARG=0x2
[ 5.768535] es8316 i2c-ESSX8336:00: PLATFORM_HPDET_INV_ARG=0x0
[ 5.769273] es8316 i2c-ESSX8336:00: PLATFORM_MIC_DE_POP_ARG=0x0
[ 5.770077] es8316 i2c-ESSX8336:00: PLATFORM_BUS_SLOT_ARG=0x2
[ 5.770169] es8316 i2c-ESSX8336:00: HP_CODEC_LINEIN_PGA_GAIN_ARG=0x5
[ 5.770344] es8316 i2c-ESSX8336:00: MAIN_CODEC_LINEIN_PGA_GAIN_ARG=0x5
[ 5.770432] es8316 i2c-ESSX8336:00: HP_CODEC_D2SEPGA_GAIN_ARG=0x1
[ 5.770530] es8316 i2c-ESSX8336:00: MAIN_CODEC_D2SEPGA_GAIN_ARG=0x1
[ 5.770637] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_VOLUME_ARG=0x0
[ 5.770744] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_VOLUME_ARG=0x0
[ 5.770861] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_ENABLE_ARG=0x1
[ 5.770975] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_ENABLE_ARG=0x1
[ 5.771128] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_TARGET_LEVEL_ARG=0xa
[ 5.771139] input: HD-Audio Generic HDMI/DP,pcm=7 as
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/devices/pci0000:00/0000:00:08.1/0000:03:00.1/sound/card0/input16
[ 5.771256] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_TARGET_LEVEL_ARG=0xa
[ 5.771387] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_MAXGAIN_ARG=0x12
[ 5.771508] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_MAXGAIN_ARG=0x12
[ 5.771650] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_MINGAIN_ARG=0x8
[ 5.771788] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_MINGAIN_ARG=0x4
[ 5.771949] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_HLDTIME_ARG=0x0
[ 5.772108] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_HLDTIME_ARG=0x0
[ 5.772265] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_DCYTIME_ARG=0x0
[ 5.772434] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_DCYTIME_ARG=0x0
[ 5.772606] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_ATKTIME_ARG=0x2
[ 5.772780] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_ATKTIME_ARG=0x2
[ 5.772960] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_NGTYPE_ARG=0x3
[ 5.773136] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_NGTYPE_ARG=0x3
[ 5.773316] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_NGTHLD_ARG=0x1
[ 5.773514] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_NGTHLD_ARG=0x1
[ 5.773594] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_GUI_STEP_ARG=0x3
[ 5.773678] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_GUI_GAIN_RANGE_ARG=0x3
[ 5.774525] es8316 i2c-ESSX8336:00: HP_CODEC_DAC_HPMIX_HIGAIN_ARG=0x0
[ 5.774725] es8316 i2c-ESSX8336:00: SPK_CODEC_DAC_HPMIX_HIGAIN_ARG=0x0
[ 5.774921] es8316 i2c-ESSX8336:00: HP_CODEC_DAC_HPMIX_VOLUME_ARG=0xbb
[ 5.775131] es8316 i2c-ESSX8336:00: SPK_CODEC_DAC_HPMIX_VOLUME_ARG=0xbb
[ 5.775344] es8316 i2c-ESSX8336:00: HP_CODEC_DAC_HPOUT_VOLUME_ARG=0x0
[ 5.775567] es8316 i2c-ESSX8336:00: SPK_CODEC_DAC_HPOUT_VOLUME_ARG=0x0
[ 5.775790] es8316 i2c-ESSX8336:00: HP_CODEC_LDAC_VOLUME_ARG=0x0
[ 5.776026] es8316 i2c-ESSX8336:00: HP_CODEC_RDAC_VOLUME_ARG=0x0
[ 5.776260] es8316 i2c-ESSX8336:00: SPK_CODEC_LDAC_VOLUME_ARG=0x0
[ 5.776499] es8316 i2c-ESSX8336:00: SPK_CODEC_RDAC_VOLUME_ARG=0x0
[ 5.776728] es8316 i2c-ESSX8336:00: HP_CODEC_DAC_AUTOMUTE_ARG=0x0
[ 5.776936] es8316 i2c-ESSX8336:00: SPK_CODEC_DAC_AUTOMUTE_ARG=0x1
[ 5.777120] es8316 i2c-ESSX8336:00: HP_CODEC_DAC_MONO_ARG=0x0
[ 5.777306] es8316 i2c-ESSX8336:00: SPK_CODEC_DAC_MONO_ARG=0x0
[ 5.777981] es8316 i2c-ESSX8336:00: SPK_CTL_IO_LEVEL_ARG=0x1
[ 5.778073] es8316 i2c-ESSX8336:00: CODEC_GPIO_FUNC_ARG=0x1
[ 5.779917] es8316 i2c-ESSX8336:00: PLATFORM_MCLK_LRCK_FREQ_ARG=0x0
[ 5.779948] es8316 i2c-ESSX8336:00: PLATFORM_MAINMIC_TYPE_ARG=0xbb
[ 5.779981] es8316 i2c-ESSX8336:00: PLATFORM_HPMIC_TYPE_ARG=0xcc
[ 5.780020] es8316 i2c-ESSX8336:00: PLATFORM_SPK_TYPE_ARG=0x2
[ 5.780060] es8316 i2c-ESSX8336:00: PLATFORM_HPDET_INV_ARG=0x0
[ 5.780521] es8316 i2c-ESSX8336:00: PLATFORM_MIC_DE_POP_ARG=0x0
[ 5.780984] es8316 i2c-ESSX8336:00: PLATFORM_BUS_SLOT_ARG=0x2
[ 5.781033] es8316 i2c-ESSX8336:00: HP_CODEC_LINEIN_PGA_GAIN_ARG=0x5
[ 5.781085] es8316 i2c-ESSX8336:00: MAIN_CODEC_LINEIN_PGA_GAIN_ARG=0x5
[ 5.781146] es8316 i2c-ESSX8336:00: HP_CODEC_D2SEPGA_GAIN_ARG=0x1
[ 5.781209] es8316 i2c-ESSX8336:00: MAIN_CODEC_D2SEPGA_GAIN_ARG=0x1
[ 5.781291] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_VOLUME_ARG=0x0
[ 5.781390] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_VOLUME_ARG=0x0
[ 5.781493] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_ENABLE_ARG=0x1
[ 5.781604] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_ENABLE_ARG=0x1
[ 5.781697] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_TARGET_LEVEL_ARG=0xa
[ 5.781804] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_TARGET_LEVEL_ARG=0xa
[ 5.781934] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_MAXGAIN_ARG=0x12
[ 5.782053] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_MAXGAIN_ARG=0x12
[ 5.782173] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_MINGAIN_ARG=0x8
[ 5.782293] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_MINGAIN_ARG=0x4
[ 5.782423] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_HLDTIME_ARG=0x0
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[ 5.782547] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_HLDTIME_ARG=0x0
[ 5.782707] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_DCYTIME_ARG=0x0
[ 5.782875] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_DCYTIME_ARG=0x0
[ 5.783036] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_ATKTIME_ARG=0x2
[ 5.783206] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_ATKTIME_ARG=0x2
[ 5.783391] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_NGTYPE_ARG=0x3
[ 5.783561] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_NGTYPE_ARG=0x3
[ 5.783752] es8316 i2c-ESSX8336:00: HP_CODEC_ADC_ALC_NGTHLD_ARG=0x1
[ 5.783955] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_ALC_NGTHLD_ARG=0x1
[ 5.784042] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_GUI_STEP_ARG=0x3
[ 5.784128] es8316 i2c-ESSX8336:00: MAIN_CODEC_ADC_GUI_GAIN_RANGE_ARG=0x3
[ 5.784266] input: GXTP7863:00 27C6:01E0 Mouse as /devices/platform/AMD10010:00/i2c-0/i2c-
GXTP7863:00/0018:27C6:01E0.0001/input/input17
[ 5.784964] es8316 i2c-ESSX8336:00: HP_CODEC_DAC_HPMIX_HIGAIN_ARG=0x0
[ 5.785139] input: GXTP7863:00 27C6:01E0 Touchpad as /devices/platform/AMD10010:00/i2c-0/i2c-
GXTP7863:00/0018:27C6:01E0.0001/input/input18
[ 5.785179] es8316 i2c-ESSX8336:00: SPK_CODEC_DAC_HPMIX_HIGAIN_ARG=0x0
[ 5.785252] hid-multitouch 0018:27C6:01E0.0001: input,hidraw0: I2C HID v1.00 Mouse
[GXTP7863:00 27C6:01E0] on i2c-GXTP7863:00
[ 5.785402] es8316 i2c-ESSX8336:00: HP_CODEC_DAC_HPMIX_VOLUME_ARG=0xbb
[ 5.785619] es8316 i2c-ESSX8336:00: SPK_CODEC_DAC_HPMIX_VOLUME_ARG=0xbb
[ 5.785847] es8316 i2c-ESSX8336:00: HP_CODEC_DAC_HPOUT_VOLUME_ARG=0x0
[ 5.786076] es8316 i2c-ESSX8336:00: SPK_CODEC_DAC_HPOUT_VOLUME_ARG=0x0
[ 5.786333] es8316 i2c-ESSX8336:00: HP_CODEC_LDAC_VOLUME_ARG=0x0
[ 5.786579] es8316 i2c-ESSX8336:00: HP_CODEC_RDAC_VOLUME_ARG=0x0
[ 5.786837] es8316 i2c-ESSX8336:00: SPK_CODEC_LDAC_VOLUME_ARG=0x0
[ 5.787118] es8316 i2c-ESSX8336:00: SPK_CODEC_RDAC_VOLUME_ARG=0x0
[ 5.787412] es8316 i2c-ESSX8336:00: HP_CODEC_DAC_AUTOMUTE_ARG=0x0
[ 5.787711] es8316 i2c-ESSX8336:00: SPK_CODEC_DAC_AUTOMUTE_ARG=0x1
[ 5.787982] es8316 i2c-ESSX8336:00: HP_CODEC_DAC_MONO_ARG=0x0
[ 5.788267] es8316 i2c-ESSX8336:00: SPK_CODEC_DAC_MONO_ARG=0x0
[ 5.789319] es8316 i2c-ESSX8336:00: SPK_CTL_IO_LEVEL_ARG=0x1
[ 5.789431] es8316 i2c-ESSX8336:00: CODEC_GPIO0_FUNC_ARG=0x1
[ 5.792351] es8316 i2c-ESSX8336:00: PLATFORM_MCLK_LRCK_FREQ_ARG=0x0
[ 5.792422] es8316 i2c-ESSX8336:00: HP jack detect inverted 0
[ 5.866689] SVM: TSC scaling supported
[ 5.866696] kvm: Nested Virtualization enabled
[ 5.866699] SVM: kvm: Nested Paging enabled
[ 5.866725] SVM: Virtual VMLOAD VMSAVE supported
[ 5.866726] SVM: Virtual GIF supported
[ 5.866727] SVM: LBR virtualization supported
[ 5.873180] usbcore: registered new interface driver btusb
[ 5.883634] rtw_8822ce 0000:01:00.0: enabling device (0000 -> 0003)
[ 5.883945] usb 3-4: Found UVC 1.10 device HD Camera (13d3:5476)
[ 5.887045] rtw_8822ce 0000:01:00.0: Firmware version 9.9.11, H2C version 15
[ 5.887086] rtw_8822ce 0000:01:00.0: Firmware version 9.9.4, H2C version 15
[ 5.889939] input: HD Camera: HD Camera as
/devices/pci0000:00/0000:00:08.1/0000:03:00.4/usb3/3-4/3-4:1.0/input/input20
[ 5.890005] usbcore: registered new interface driver uvcvideo
[ 5.907353] Bluetooth: hci0: RTL: examining hci_ver=0a hci_rev=000c lmp_ver=0a
lmp_subver=8822
[ 5.909334] Bluetooth: hci0: RTL: rom_version status=0 version=3
[ 5.909339] Bluetooth: hci0: RTL: loading rtl_bt/rtl8822cu_fw.bin
[ 5.910148] Bluetooth: hci0: RTL: loading rtl_bt/rtl8822cu_config.bin
[ 5.910357] Bluetooth: hci0: RTL: cfg_sz 6, total sz 35086
[ 5.928031] AMD-Vi: AMD IOMMUv2 loaded and initialized
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[ 5.930540] rtw_8822ce 0000:01:00.0 wlp1s0: renamed from wlan0
[ 5.933422] MCE: In-kernel MCE decoding enabled.
[ 6.060969] intel_rapl_common: Found RAPL domain package
[ 6.060975] intel_rapl_common: Found RAPL domain core
[ 6.217355] Bluetooth: hci0: RTL: fw version 0x19b76d7d
[ 6.258641] Bluetooth: BNEP (Ethernet Emulation) ver 1.3
[ 6.258648] Bluetooth: BNEP filters: protocol multicast
[ 6.258653] Bluetooth: BNEP socket layer initialized
[ 6.345329] Bluetooth: hci0: AOSP extensions version v1.00
[ 6.345336] Bluetooth: hci0: AOSP quality report is supported
[ 6.355644] Bluetooth: MGMT ver 1.22
[ 6.431027] NET: Registered PF_ALG protocol family
[ 7.384693] loop22: detected capacity change from 0 to 8
[ 8.481006] [drm] amdgpu kernel modesetting enabled.
[ 8.488537] amdgpu: Virtual CRAT table created for CPU
[ 8.488548] amdgpu: Topology: Add CPU node
[ 8.488825] Console: switching to colour dummy device 80x25
[ 8.488855] amdgpu 0000:03:00.0: vgaarb: deactivate vga console
[ 8.488902] amdgpu 0000:03:00.0: enabling device (0006 -> 0007)
[ 8.488949] [drm] initializing kernel modesetting (RENOIR 0x1002:0x164C 0x1E83:0x3E4D 0xC2).
[ 8.489007] [drm] register mmio base: 0xD0300000
[ 8.489008] [drm] register mmio size: 524288
[ 8.490563] [drm] add ip block number 0 <soc15_common>
[ 8.490565] [drm] add ip block number 1 <gmc_v9_0>
[ 8.490566] [drm] add ip block number 2 <vega10_ih>
[ 8.490567] [drm] add ip block number 3 <psp>
[ 8.490568] [drm] add ip block number 4 <smu>
[ 8.490569] [drm] add ip block number 5 <dm>
[ 8.490570] [drm] add ip block number 6 <gfx_v9_0>
[ 8.490571] [drm] add ip block number 7 <sdma_v4_0>
[ 8.490572] [drm] add ip block number 8 <vcn_v2_0>
[ 8.490573] [drm] add ip block number 9 <jpeg_v2_0>
[ 8.490588] amdgpu 0000:03:00.0: amdgpu: Fetched VBIOS from VFCT
[ 8.490590] amdgpu: ATOM BIOS: 113-LUCIENNE-015
[ 8.491360] [drm] VCN decode is enabled in VM mode
[ 8.491361] [drm] VCN encode is enabled in VM mode
[ 8.491362] [drm] JPEG decode is enabled in VM mode
[ 8.491363] amdgpu 0000:03:00.0: amdgpu: Trusted Memory Zone (TMZ) feature enabled
[ 8.491365] amdgpu 0000:03:00.0: amdgpu: PCIe atomic ops is not supported
[ 8.491372] amdgpu 0000:03:00.0: amdgpu: MODE2 reset
[ 8.491419] [drm] vm size is 262144 GB, 4 levels, block size is 9-bit, fragment size is 9-bit
[ 8.491424] amdgpu 0000:03:00.0: amdgpu: VRAM: 512M 0x000000F400000000 - 0x000000F41FFFFFFF
(512M used)
[ 8.491426] amdgpu 0000:03:00.0: amdgpu: GART: 1024M 0x0000000000000000 - 0x000000003FFFFFFF
[ 8.491428] amdgpu 0000:03:00.0: amdgpu: AGP: 267419648M 0x000000F800000000 -
0x0000FFFFFFFFFFFF
[ 8.491433] [drm] Detected VRAM RAM=512M, BAR=512M
[ 8.491434] [drm] RAM width 128bits DDR4
[ 8.491777] [drm] amdgpu: 512M of VRAM memory ready
[ 8.491779] [drm] amdgpu: 7675M of GTT memory ready.
[ 8.491789] [drm] GART: num cpu pages 262144, num gpu pages 262144
[ 8.491914] [drm] PCIe GART of 1024M enabled.
[ 8.491914] [drm] PTB located at 0x000000F41FC00000
[ 8.493181] amdgpu 0000:03:00.0: amdgpu: PSP runtime database doesn't exist
[ 8.493184] amdgpu 0000:03:00.0: amdgpu: PSP runtime database doesn't exist
[ 8.494276] [drm] Loading DMUB firmware via PSP: version=0x0101001F
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[ 8.498037] [drm] Found VCN firmware Version ENC: 1.16 DEC: 5 VEP: 0 Revision: 3
[ 8.498049] amdgpu 0000:03:00.0: amdgpu: Will use PSP to load VCN firmware
[ 9.174606] [drm] reserve 0x400000 from 0xf400c00000 for PSP TMR
[ 9.259700] amdgpu 0000:03:00.0: amdgpu: RAS: optional ras ta ucode is not available
[ 9.268699] amdgpu 0000:03:00.0: amdgpu: RAP: optional rap ta ucode is not available
[ 9.268703] amdgpu 0000:03:00.0: amdgpu: SECUREDISPLAY: securedisplay ta ucode is not
available
[ 9.268903] amdgpu 0000:03:00.0: amdgpu: SMU is initialized successfully!
[ 9.269768] [drm] Display Core initialized with v3.2.207!
[ 9.270336] [drm] DMUB hardware initialized: version=0x0101001F
[ 9.295935] snd_hda_intel 0000:03:00.1: bound 0000:03:00.0 (ops
amdgpu_dm_audio_component_bind_ops [amdgpu])
[ 9.417270] [drm] kiq ring mec 2 pipe 1 q 0
[ 9.421223] [drm] VCN decode and encode initialized successfully(under DPG Mode).
[ 9.421240] [drm] JPEG decode initialized successfully.
[ 9.423277] kfd kfd: amdgpu: Allocated 3969056 bytes on gart
[ 9.423353] amdgpu: sdma_bitmap: 3
[ 9.460903] memmap_init_zone_device initialised 131072 pages in 0ms
[ 9.460914] amdgpu: HMM registered 512MB device memory
[ 9.460955] amdgpu: SRAT table not found
[ 9.460956] amdgpu: Virtual CRAT table created for GPU
[ 9.461059] amdgpu: Topology: Add dGPU node [0x164c:0x1002]
[ 9.461066] kfd kfd: amdgpu: added device 1002:164c
[ 9.461122] amdgpu 0000:03:00.0: amdgpu: SE 1, SH per SE 1, CU per SH 8, active_cu_number 7
[ 9.461205] amdgpu 0000:03:00.0: amdgpu: ring gfx uses VM inv eng 0 on hub 0
[ 9.461207] amdgpu 0000:03:00.0: amdgpu: ring comp_1.0.0 uses VM inv eng 1 on hub 0
[ 9.461208] amdgpu 0000:03:00.0: amdgpu: ring comp_1.1.0 uses VM inv eng 4 on hub 0
[ 9.461209] amdgpu 0000:03:00.0: amdgpu: ring comp_1.2.0 uses VM inv eng 5 on hub 0
[ 9.461210] amdgpu 0000:03:00.0: amdgpu: ring comp_1.3.0 uses VM inv eng 6 on hub 0
[ 9.461211] amdgpu 0000:03:00.0: amdgpu: ring comp_1.0.1 uses VM inv eng 7 on hub 0
[ 9.461212] amdgpu 0000:03:00.0: amdgpu: ring comp_1.1.1 uses VM inv eng 8 on hub 0
[ 9.461213] amdgpu 0000:03:00.0: amdgpu: ring comp_1.2.1 uses VM inv eng 9 on hub 0
[ 9.461213] amdgpu 0000:03:00.0: amdgpu: ring comp_1.3.1 uses VM inv eng 10 on hub 0
[ 9.461214] amdgpu 0000:03:00.0: amdgpu: ring kiq_2.1.0 uses VM inv eng 11 on hub 0
[ 9.461215] amdgpu 0000:03:00.0: amdgpu: ring sdma0 uses VM inv eng 0 on hub 1
[ 9.461216] amdgpu 0000:03:00.0: amdgpu: ring vcn_dec uses VM inv eng 1 on hub 1
[ 9.461217] amdgpu 0000:03:00.0: amdgpu: ring vcn_enc0 uses VM inv eng 4 on hub 1
[ 9.461218] amdgpu 0000:03:00.0: amdgpu: ring vcn_enc1 uses VM inv eng 5 on hub 1
[ 9.461219] amdgpu 0000:03:00.0: amdgpu: ring jpeg_dec uses VM inv eng 6 on hub 1
[ 9.462548] [drm] Initialized amdgpu 3.49.0 20150101 for 0000:03:00.0 on minor 0
[ 9.468316] fbcon: amdgpudrmfb (fb0) is primary device
[ 9.468522] [drm] DSC precompute is not needed.
[ 9.528478] Console: switching to colour frame buffer device 135x45
[ 9.548392] amdgpu 0000:03:00.0: [drm] fb0: amdgpudrmfb frame buffer device
[ 11.098023] rfkill: input handler disabled
[ 12.511930] wlp1s0: authenticate with a0:f3:c1:da:b3:c4
[ 13.008074] wlp1s0: send auth to a0:f3:c1:da:b3:c4 (try 1/3)
[ 13.014739] wlp1s0: authenticated
[ 13.018509] wlp1s0: associate with a0:f3:c1:da:b3:c4 (try 1/3)
[ 13.034590] wlp1s0: RX AssocResp from a0:f3:c1:da:b3:c4 (capab=0x431 status=0 aid=4)
[ 13.034903] wlp1s0: associated
[ 13.122798] IPv6: ADDRCONF (NETDEV_CHANGE): wlp1s0: link becomes ready
[ 13.494138] kauditd_printk_skb: 42 callbacks suppressed
[ 13.494143] audit: type=1400 audit(1675181750.862:54): apparmor="STATUS"
operation="profile_load" profile="unconfined" name="docker-default" pid=1561
comm="apparmor_parser"
```



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[ 13.614589] bridge: filtering via arp/ip/ip6tables is no longer available by default. Update
your scripts to load br_netfilter if you need this.
[ 13.618895] Bridge firewalling registered
[ 13.709560] Initializing XFRM netlink socket
[ 34.542615] audit: type=1400 audit(1675181771.914:55): apparmor="DENIED" operation="capable"
profile="/snap/snapd/17950/usr/lib/snapd/snap-confine" pid=1733 comm="snap-confine"
capability=12 capname="net_admin"
[ 34.542630] audit: type=1400 audit(1675181771.914:56): apparmor="DENIED" operation="capable"
profile="/snap/snapd/17950/usr/lib/snapd/snap-confine" pid=1733 comm="snap-confine"
capability=38 capname="perfmon"
[ 34.777867] rfkill: input handler enabled
[ 35.911652] rfkill: input handler disabled
[ 37.567168] audit: type=1400 audit(1675181979.323:57): apparmor="DENIED" operation="capable"
profile="/snap/snapd/17950/usr/lib/snapd/snap-confine" pid=2420 comm="snap-confine"
capability=12 capname="net_admin"
[ 37.567175] audit: type=1400 audit(1675181979.323:58): apparmor="DENIED" operation="capable"
profile="/snap/snapd/17950/usr/lib/snapd/snap-confine" pid=2420 comm="snap-confine"
capability=38 capname="perfmon"
[ 37.647636] audit: type=1326 audit(1675181979.403:59): auid=1000 uid=1000 gid=1000 ses=3
subj=snap.snapd-desktop-integration.snapd-desktop-integration pid=2493 comm="snapd-desktop-i"
exe="/snap/snapd-desktop-integration/49/usr/bin/snapd-desktop-integration" sig=0 arch=c000003e
syscall=314 compat=0 ip=0x7f01bb6fc73d code=0x50000
```