

Print file information:

RUN_IN_PLACE=no

LINUXCNC_DIR=

LINUXCNC_BIN_DIR=/usr/bin

LINUXCNC_TCL_DIR=/usr/lib/tcltk/linuxcnc

LINUXCNC_SCRIPT_DIR=

LINUXCNC_RT_LIB_DIR=/usr/lib/linuxcnc/modules

LINUXCNC_CONFIG_DIR=

LINUXCNC_LANG_DIR=/usr/share/linuxcnc/tcl/messages

INIVAR=inivar

HALCMD=halcmd

LINUXCNC_EMCSH=/usr/bin/wish8.6

LINUXCNC - 2.7.15

Machine configuration directory is '/home/cnc/linuxcnc/configs/AGISANDROS'

Machine configuration file is 'AGISANDROS.ini'

INIFILE=/home/cnc/linuxcnc/configs/AGISANDROS/AGISANDROS.ini

PARAMETER_FILE=linuxcnc.var

TASK=milltask

HALUI=halui

DISPLAY=axis

Starting LinuxCNC...

Starting LinuxCNC server program: linuxcncsvr

Loading Real Time OS, RTAPI, and HAL_LIB modules

Starting LinuxCNC IO program: io

Starting HAL User Interface program: halui

Found file(REL): ./AGISANDROS.hal

hm2: loading Mesa HostMot2 driver version 0.15

hm2_eth: loading Mesa AnyIO HostMot2 ethernet driver version 0.2

hm2_eth: 192.168.1.121: Hardware address: 00:60:1b:10:46:01

hm2_eth: discovered 7I76E-16

hm2/hm2_7i76e.0: Smart Serial Firmware Version 43

Board hm2_7i76e.0.7i76e.0.0 Hardware Mode 0 = standard

Board hm2_7i76e.0.7i76e.0.0 Software Mode 0 = io_spin

Board hm2_7i76e.0.7i76e.0.0 Software Mode 1 = io_ana_spin

Board hm2_7i76e.0.7i76e.0.0 Software Mode 2 = io_enc_ana_spin_fv

hm2/hm2_7i76e.0: 51 I/O Pins used:

hm2/hm2_7i76e.0: IO Pin 000 (P1-01): StepGen #0, pin Direction (Output)

hm2/hm2_7i76e.0: IO Pin 001 (P1-14): StepGen #0, pin Step (Output)

hm2/hm2_7i76e.0: IO Pin 002 (P1-02): StepGen #1, pin Direction (Output)

hm2/hm2_7i76e.0: IO Pin 003 (P1-15): StepGen #1, pin Step (Output)

hm2/hm2_7i76e.0: IO Pin 004 (P1-03): StepGen #2, pin Direction (Output)

hm2/hm2_7i76e.0: IO Pin 005 (P1-16): StepGen #2, pin Step (Output)

hm2/hm2_7i76e.0: IO Pin 006 (P1-04): StepGen #3, pin Direction (Output)

hm2/hm2_7i76e.0: IO Pin 007 (P1-17): StepGen #3, pin Step (Output)

hm2/hm2_7i76e.0: IO Pin 008 (P1-05): StepGen #4, pin Direction (Output)

hm2/hm2_7i76e.0: IO Pin 009 (P1-06): StepGen #4, pin Step (Output)

hm2/hm2_7i76e.0: IO Pin 010 (P1-07): Smart Serial Interface #0, pin TxData0 (Output)

hm2/hm2_7i76e.0: IO Pin 011 (P1-08): Smart Serial Interface #0, pin RxData0 (Input)

hm2/hm2_7i76e.0: IO Pin 012 (P1-09): IOPort

hm2/hm2_7i76e.0: IO Pin 013 (P1-10): IOPort

hm2/hm2_7i76e.0: IO Pin 014 (P1-11): Encoder #0, pin Index (Input)

hm2/hm2_7i76e.0: IO Pin 015 (P1-12): Encoder #0, pin B (Input)

hm2/hm2_7i76e.0: IO Pin 016 (P1-13): Encoder #0, pin A (Input)

hm2/hm2_7i76e.0: IO Pin 017 (P2-01): IOPort

hm2/hm2_7i76e.0: IO Pin 018 (P2-14): IOPort

hm2/hm2_7i76e.0: IO Pin 019 (P2-02): IOPort

hm2/hm2_7i76e.0: IO Pin 020 (P2-15): IOPort

hm2/hm2_7i76e.0: IO Pin 021 (P2-03): IOPort

hm2/hm2_7i76e.0: IO Pin 022 (P2-16): IOPort

hm2/hm2_7i76e.0: IO Pin 023 (P2-04): IOPort

hm2/hm2_7i76e.0: IO Pin 024 (P2-17): IOPort

hm2/hm2_7i76e.0: IO Pin 025 (P2-05): IOPort

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hm2/hm2_7i76e.0:      IO Pin 026 (P2-06): IOPort
hm2/hm2_7i76e.0:      IO Pin 027 (P2-07): IOPort
hm2/hm2_7i76e.0:      IO Pin 028 (P2-08): IOPort
hm2/hm2_7i76e.0:      IO Pin 029 (P2-09): IOPort
hm2/hm2_7i76e.0:      IO Pin 030 (P2-10): IOPort
hm2/hm2_7i76e.0:      IO Pin 031 (P2-11): IOPort
hm2/hm2_7i76e.0:      IO Pin 032 (P2-12): IOPort
hm2/hm2_7i76e.0:      IO Pin 033 (P2-13): IOPort
hm2/hm2_7i76e.0:      IO Pin 034 (P3-01): IOPort
hm2/hm2_7i76e.0:      IO Pin 035 (P3-14): IOPort
hm2/hm2_7i76e.0:      IO Pin 036 (P3-02): IOPort
hm2/hm2_7i76e.0:      IO Pin 037 (P3-15): IOPort
hm2/hm2_7i76e.0:      IO Pin 038 (P3-03): IOPort
hm2/hm2_7i76e.0:      IO Pin 039 (P3-16): IOPort
hm2/hm2_7i76e.0:      IO Pin 040 (P3-04): IOPort
hm2/hm2_7i76e.0:      IO Pin 041 (P3-17): IOPort
hm2/hm2_7i76e.0:      IO Pin 042 (P3-05): IOPort
hm2/hm2_7i76e.0:      IO Pin 043 (P3-06): IOPort
hm2/hm2_7i76e.0:      IO Pin 044 (P3-07): IOPort
hm2/hm2_7i76e.0:      IO Pin 045 (P3-08): IOPort
hm2/hm2_7i76e.0:      IO Pin 046 (P3-09): IOPort
hm2/hm2_7i76e.0:      IO Pin 047 (P3-10): IOPort
hm2/hm2_7i76e.0:      IO Pin 048 (P3-11): IOPort
hm2/hm2_7i76e.0:      IO Pin 049 (P3-12): IOPort
hm2/hm2_7i76e.0:      IO Pin 050 (P3-13): IOPort
hm2/hm2_7i76e.0: registered
hm2_eth: ERROR: Failed to execute '/sbin/sysctl -q
net.ipv6.conf.eth0:avahi.disable_ipv6=1'
Found file(REL): ./custom.hal
Starting TASK program: milltask
Starting DISPLAY program: axis
emcTrajSetAxes failing: axes=5 axismask=37
emcTrajSetAxes failing: axes=5 axismask=37
emcMotionInit: ini_hal_init fail
emcTrajSetAxes failing: axes=5 axismask=37
emcMotionInit: ini_hal_init fail
emcTrajSetAxes failing: axes=5 axismask=37
emcMotionInit: ini_hal_init fail
emcTrajSetAxes failing: axes=5 axismask=37
emcMotionInit: ini_hal_init fail
emcTrajSetAxes failing: axes=5 axismask=37
emcMotionInit: ini_hal_init fail
waiting for s.axes
waiting for s.axes
waiting for s.axes
waiting for s.axes
waiting for s.axes
waiting for s.axes
waiting for s.axes
waiting for s.axes
waiting for s.axes
Shutting down and cleaning up LinuxCNC...
Running HAL shutdown script
hm2_eth: HostMot2 ethernet driver unloaded
hm2: unloading
Removing HAL_LIB, RTAPI, and Real Time OS modules
Removing NML shared memory segments

Debug file information:
Note: Using POSIX realtime
sysctl: cannot stat /proc/sys/net/ipv6/conf/eth0:avahi/disable_ipv6: No such
file or directory
HAL: ERROR: duplicate component name 'inihal'
ini_hal_init: ERROR: hal_init() failed

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HAL: ERROR: duplicate component name 'inihal'
ini_hal_init: ERROR: hal_init() failed
HAL: ERROR: duplicate component name 'inihal'
ini_hal_init: ERROR: hal_init() failed
HAL: ERROR: duplicate component name 'inihal'
ini_hal_init: ERROR: hal_init() failed
HAL: ERROR: duplicate component name 'inihal'
ini_hal_init: ERROR: hal_init() failed
A configuration error is preventing LinuxCNC from starting.
More information may be available when running from a terminal.
1710
1753
Stopping realtime threads
Unloading hal components
Note: Using POSIX realtime
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Kernel message information:

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[ 0.000000] microcode: microcode updated early to revision 0x2d, date = 2018-02-07
[ 0.000000] Linux version 4.9.0-13-rt-amd64 (debian-kernel@lists.debian.org)
(gcc version 6.3.0 20170516 (Debian 6.3.0-18+deb9u1) ) #1 SMP PREEMPT RT Debian
4.9.228-1 (2020-07-05)
[ 0.000000] Command line: BOOT_IMAGE=/boot/vmlinuz-4.9.0-13-rt-amd64
root=UUID=16512542-bb77-45bb-b3f0-8cdd2b31397b ro quiet
[ 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 'standard' format.
[ 0.000000] e820: BIOS-provided physical RAM map:
[ 0.000000] BIOS-e820: [mem 0x0000000000000000-0x00000000000009f7ff] usable
[ 0.000000] BIOS-e820: [mem 0x00000000000009f800-0x00000000000009ffff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000000000f0000-0x0000000000000fffff] reserved
[ 0.000000] BIOS-e820: [mem 0x000000000000100000-0x000000000000df7cffff] usable
[ 0.000000] BIOS-e820: [mem 0x000000000000df7d0000-0x000000000000df7d2fff] ACPI NVS
[ 0.000000] BIOS-e820: [mem 0x000000000000df7d3000-0x000000000000df7effff] ACPI data
[ 0.000000] BIOS-e820: [mem 0x000000000000df7f0000-0x000000000000df7fffff] reserved
[ 0.000000] BIOS-e820: [mem 0x000000000000f4000000-0x000000000000f7fffff] reserved
[ 0.000000] BIOS-e820: [mem 0x000000000000fec00000-0x000000000000ffffffffff] reserved
[ 0.000000] BIOS-e820: [mem 0x000000000100000000-0x00000000011f7fffff] usable
[ 0.000000] NX (Execute Disable) protection: active
[ 0.000000] SMBIOS 2.4 present.
[ 0.000000] DMI: Gigabyte Technology Co., Ltd. H61M-S2P-B3/H61M-S2P-B3, BIOS
F1 06/17/2011
[ 0.000000] e820: update [mem 0x00000000-0x00000fff] usable ==> reserved
[ 0.000000] e820: remove [mem 0x000a0000-0x000fffff] usable
[ 0.000000] e820: last_pfn = 0x11f800 max_arch_pfn = 0x400000000
[ 0.000000] MTRR default type: uncachable
[ 0.000000] MTRR fixed ranges enabled:
[ 0.000000] 00000-9FFFF write-back
[ 0.000000] A0000-BFFFF uncachable
[ 0.000000] C0000-CCFFF write-protect
[ 0.000000] CD000-EFFFF uncachable
[ 0.000000] F0000-FFFFFF write-through
[ 0.000000] MTRR variable ranges enabled:
[ 0.000000] 0 base 000000000 mask F00000000 write-back
[ 0.000000] 1 base 0E0000000 mask FE0000000 uncachable
[ 0.000000] 2 base 100000000 mask FE0000000 write-back
[ 0.000000] 3 disabled
[ 0.000000] 4 disabled
[ 0.000000] 5 disabled
[ 0.000000] 6 disabled
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[ 0.000000] 7 disabled
[ 0.000000] 8 disabled
[ 0.000000] 9 disabled
[ 0.000000] x86/PAT: Configuration [0-7]: WB WC UC- UC WB WC UC- WT
[ 0.000000] e820: update [mem 0xe0000000-0xffffffff] usable ==> reserved
[ 0.000000] e820: last_pfn = 0xdf7d0 max_arch_pfn = 0x400000000
[ 0.000000] found SMP MP-table at [mem 0x000f5750-0x000f575f] mapped at
[ffff8ec4c00f5750]
[ 0.000000] Base memory trampoline at [ffff8ec4c0099000] 99000 size 24576
[ 0.000000] RAMDISK: [mem 0x35205000-0x368f9fff]
[ 0.000000] ACPI: Early table checksum verification disabled
[ 0.000000] ACPI: RSDP 0x000000000000f6ED0 000014 (v00 GBT )
[ 0.000000] ACPI: RSDT 0x000000000DF7D3040 00004C (v01 GBT GBTUACPI
42302E31 GBTU 01010101)
[ 0.000000] ACPI: FACP 0x000000000DF7D3100 000074 (v01 GBT GBTUACPI
42302E31 GBTU 01010101)
[ 0.000000] ACPI: DSDT 0x000000000DF7D31C0 004B67 (v01 GBT GBTUACPI
00001000 MSFT 04000000)
[ 0.000000] ACPI: FACS 0x000000000DF7D0000 000040
[ 0.000000] ACPI: MSDM 0x000000000DF7D7E80 000055 (v03 GBT GBTUACPI
42302E31 GBTU 01010101)
[ 0.000000] ACPI: HPET 0x000000000DF7D7F40 000038 (v01 GBT GBTUACPI
42302E31 GBTU 00000098)
[ 0.000000] ACPI: MCFG 0x000000000DF7D7FC0
00003C (v01 GBT GBTUACPI 42302E31 GBTU 01010101)
[ 0.000000] ACPI: ASPT 0x000000000DF7D8000 000034 (v07 GBT PerfTune
312E3042 UTBG 01010101)
[ 0.000000] ACPI: SSPT 0x000000000DF7D8040 002298 (v01 GBT SsptHead
312E3042 UTBG 01010101)
[ 0.000000] ACPI: EUDS 0x000000000DF7DA2E0 0000C0 (v01 GBT
00000000 00000000)
[ 0.000000] ACPI: TAMG 0x000000000DF7DA3A0 000372 (v01 GBT GBT B0
5455312E BG?? 45240101)
[ 0.000000] ACPI: APIC 0x000000000DF7D7D80 0000BC (v01 GBT GBTUACPI
42302E31 GBTU 01010101)
[ 0.000000] ACPI: SSDT 0x000000000DF7DA740 001DC0 (v01 INTEL PPM RCM
800000001 INTL 20061109)
[ 0.000000] ACPI: Local APIC address 0xfe00000
[ 0.000000] No NUMA configuration found
[ 0.000000] Faking a node at [mem 0x0000000000000000-0x0000000011f7ffff]
[ 0.000000] NODE_DATA(0) allocated [mem 0x11f7f9000-0x11f7fdfff]
[ 0.000000] Zone ranges:
[ 0.000000] DMA [mem 0x00000000000001000-0x0000000000ffff]
[ 0.000000] DMA32 [mem 0x0000000001000000-0x00000000ffff]
[ 0.000000] Normal [mem 0x0000000100000000-0x000000011f7ffff]
[ 0.000000] Device empty
[ 0.000000] Movable zone start for each node
[ 0.000000] Early memory node ranges
[ 0.000000] node 0: [mem 0x00000000000001000-0x000000000009efff]
[ 0.000000] node 0: [mem 0x00000000000100000-0x00000000df7cffff]
[ 0.000000] node 0: [mem 0x0000000100000000-0x000000011f7ffff]
[ 0.000000] Initmem setup node 0 [mem 0x00000000000001000-0x000000011f7ffff]
[ 0.000000] On node 0 totalpages: 1044334
[ 0.000000] DMA zone: 64 pages used for memmap
[ 0.000000] DMA zone: 21 pages reserved
[ 0.000000] DMA zone: 3998 pages, LIFO batch:0
[ 0.000000] DMA32 zone: 14240 pages used for memmap
[ 0.000000] DMA32 zone: 911312 pages, LIFO batch:31
[ 0.000000] Normal zone: 2016 pages used for memmap
[ 0.000000] Normal zone: 129024 pages, LIFO batch:31
[ 0.000000] ACPI: PM-Timer IO Port: 0x408
[ 0.000000] ACPI: Local APIC address 0xfe00000
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0x00] df1 df1 lint[0x1])
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0x01] df1 df1 lint[0x1])

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[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0x02] df1 df1 lint[0x1])
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0x03] df1 df1 lint[0x1])
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0x04] df1 df1 lint[0x1])
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0x05] df1 df1 lint[0x1])
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0x06] df1 df1 lint[0x1])
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0x07] df1 df1 lint[0x1])
[ 0.000000] IOAPIC[0]: apic_id 2, version 32, address 0xfec00000, GSI 0-23
[ 0.000000] ACPI: INT_SRC_OVR (bus 0 bus_irq 0 global_irq 2 df1 df1)
[ 0.000000] ACPI: INT_SRC_OVR (bus 0 bus_irq 9 global_irq 9 high level)
[ 0.000000] ACPI: IRQ0 used by override.
[ 0.000000] ACPI: IRQ9 used by override.
[ 0.000000] Using ACPI (MADT) for SMP configuration information
[ 0.000000] ACPI: HPET id: 0x8086a201 base: 0xfed00000
[ 0.000000] smpboot: Allowing 8 CPUs, 4 hotplug CPUs
[ 0.000000] PM: Registered nosave memory: [mem 0x00000000-0x00000fff]
[ 0.000000] PM: Registered nosave memory: [mem 0x0009f000-0x0009ffff]
[ 0.000000] PM: Registered nosave memory: [mem 0x000a0000-0x000effff]
[ 0.000000] PM: Registered nosave memory: [mem 0x000f0000-0x000fffff]
[ 0.000000] PM: Registered nosave memory: [mem 0xdf7d0000-0xdf7d2fff]
[ 0.000000] PM: Registered nosave memory: [mem 0xdf7d3000-0xdf7effff]
[ 0.000000] PM: Registered nosave memory: [mem 0xdf7f0000-0xdf7fffff]
[ 0.000000] PM: Registered nosave memory: [mem 0xdf800000-0xf3ffffff]
[ 0.000000] PM: Registered nosave memory: [mem 0xf4000000-0xf7ffffff]
[ 0.000000] PM: Registered nosave memory: [mem 0xf8000000-0xfebffffff]
[ 0.000000] PM: Registered nosave memory: [mem 0xfec00000-0xffffffff]
[ 0.000000] e820: [mem 0xdf800000-0xf3ffffff] available for PCI devices
[ 0.000000] Booting paravirtualized kernel on bare hardware
[ 0.000000] clocksource: refined-jiffies: mask: 0xffffffff max_cycles:
0xffffffff, max_idle_ns: 7645519600211568 ns
[ 0.000000] setup_percpu: NR_CPUS:512 nr_cpumask_bits:512 nr_cpu_ids:8
nr_node_ids:1
[ 0.000000] percpu: Embedded 116 pages/cpu s437952 r8192 d28992 u524288
[ 0.000000] pcpu-alloc: s437952 r8192 d28992 u524288 alloc=1*2097152
[ 0.000000] pcpu-alloc: [0] 0 1 2 3 [0] 4 5 6 7
[ 0.000000] Built 1 zonelists in Node order, mobility grouping on. Total
pages: 1027993
[ 0.000000] Policy zone: Normal
[ 0.000000] Kernel command line: BOOT_IMAGE=/boot/vmlinuz-4.9.0-13-rt-amd64
root=UUID=16512542-bb77-45bb-b3f0-8cdd2b31397b ro quiet
[ 0.000000] PID hash table entries: 4096 (order: 3, 32768 bytes)
[ 0.000000] Calgary: detecting Calgary via BIOS EBDA area
[ 0.000000] Calgary: Unable to locate Rio Grande table in EBDA - bailing!
[ 0.000000] Memory: 4002380K/4177336K available (6427K kernel code, 1155K
rwdata, 2916K rodata, 1684K init, 864K bss, 174956K reserved, 0K cma-reserved)
[ 0.000000] SLUB: HWalig=64, Order=0-3, MinObjects=0, CPUs=8, Nodes=1
[ 0.000000] Kernel/User page tables isolation: enabled
[ 0.000000] Preemptible hierarchical RCU implementation.
[ 0.000000] RCU restricting CPUs from NR_CPUS=512 to nr_cpu_ids=8.
[ 0.000000] RCU kthread priority: 1.
[ 0.000000] RCU: Adjusting geometry for rcu_fanout_leaf=16, nr_cpu_ids=8
[ 0.000000] NR_IRQS:33024 nr_irqs:488 16
[ 0.000000] Console: colour VGA+ 80x25
[ 0.000000] console [tty0] enabled
[ 0.000000] clocksource: hpet: mask: 0xffffffff max_cycles: 0xffffffff,
max_idle_ns: 133484882848 ns
[ 0.000000] hpet clockevent registered
[ 0.000000] tsc: Fast TSC calibration using PIT
[ 0.000000] tsc: Detected 3092.729 MHz processor
[ 0.000003] Calibrating delay loop (skipped), value calculated using timer
frequency.. 6185.45 BogoMIPS (lpj=12370916)
[ 0.000004] pid_max: default: 32768 minimum: 301
[ 0.000011] ACPI: Core revision 20160831
[ 0.001960] ACPI: 2 ACPI AML tables successfully acquired and loaded
[ 0.001981] Security Framework initialized

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[ 0.001982] Yama: disabled by default; enable with sysctl kernel.yama.*
[ 0.001985] AppArmor: AppArmor disabled by boot time parameter
[ 0.002436] Dentry cache hash table entries: 524288 (order: 11, 8388608
bytes)
[ 0.003514] Inode-cache hash table entries: 262144 (order: 9, 2097152 bytes)
[ 0.003791] Mount-cache hash table entries: 8192 (order: 4, 65536 bytes)
[ 0.003794] Mountpoint-cache hash table entries: 8192 (order: 4, 65536 bytes)
[ 0.004009] ENERGY_PERF_BIAS: Set to 'normal', was 'performance'
[ 0.004009] ENERGY_PERF_BIAS: View and update with x86_energy_perf_policy(8)
[ 0.004011] mce: CPU supports 7 MCE banks
[ 0.004020] CPU0: Thermal monitoring enabled (TM1)
[ 0.004029] process: using mwait in idle threads
[ 0.004031] Last level iTLB entries: 4KB 512, 2MB 8, 4MB 8
[ 0.004032] Last level dTLB entries: 4KB 512, 2MB 32, 4MB 32, 1GB 0
[ 0.004033] Spectre V1 : Mitigation: usercopy/swapgs barriers and __user
pointer sanitization
[ 0.004034] Spectre V2 : Mitigation: Full generic retpoline
[ 0.004034] Spectre V2 : Spectre v2 / SpectreRSB mitigation: Filling RSB on
context switch
[ 0.004034] Spectre V2 : Enabling Restricted Speculation for firmware calls
[ 0.004035] Spectre V2 : mitigation: Enabling conditional Indirect Branch
Prediction Barrier
[ 0.004035] Spectre V2 : User space: Mitigation: STIBP via seccomp and prctl
[ 0.004036] Speculative Store Bypass: Vulnerable
[ 0.004037] MDS: Vulnerable: Clear CPU buffers attempted, no microcode
[ 0.004398] Freeing SMP alternatives memory: 24K
[ 0.006573] ftrace: allocating 25310 entries in 99 pages
[ 0.025972] smpboot: Max logical packages: 4
[ 0.026375] ..TIMER: vector=0x30 apic1=0 pin1=2 apic2=-1 pin2=-1
[ 0.066063] TSC deadline timer enabled
[ 0.066065] smpboot: CPU0: Intel(R) Core(TM) i3-2100 CPU @ 3.10GHz (family:
0x6, model: 0x2a, stepping: 0x7)
[ 0.066086] Performance Events: PEBS fmt1+, SandyBridge events, 16-deep LBR,
full-width counters, Intel PMU driver.
[ 0.066105] ... version: 3
[ 0.066105] ... bit width: 48
[ 0.066106] ... generic registers: 4
[ 0.066107] ... value mask: 0000ffffffffffff
[ 0.066107] ... max period: 00007fffffffffff
[ 0.066108] ... fixed-purpose events: 3
[ 0.066108] ... event mask: 000000070000000f
[ 0.122323] NMI watchdog: enabled on all CPUs, permanently consumes one hw-
PMU counter.
[ 0.174193] x86: Booting SMP configuration:
[ 0.174195] .... node #0, CPUs: #1 #2
[ 0.220758] MDS CPU bug present and SMT on, data leak possible. See
https://www.kernel.org/doc/html/latest/admin-guide/hw-vuln/mds.html for more
details.
[ 0.262284] #3
[ 0.264775] x86: Booted up 1 node, 4 CPUs
[ 0.264777] smpboot: Total of 4 processors activated (24741.83 BogoMIPS)
[ 0.267447] devtmpfs: initialized
[ 0.267519] x86/mm: Memory block size: 128MB
[ 0.270420] PM: Registering ACPI NVS region [mem 0xdf7d0000-0xdf7d2fff]
(12288 bytes)
[ 0.270467] clocksource: jiffies: mask: 0xffffffff max_cycles: 0xffffffff,
max_idle_ns: 7645041785100000 ns
[ 0.270494] futex hash table entries: 2048 (order: 6, 262144 bytes)
[ 0.270549] pinctrl core: initialized pinctrl subsystem
[ 0.270665] NET: Registered protocol family 16
[ 0.270850] cpuidle: using governor ladder
[ 0.270879] cpuidle: using governor menu
[ 0.270907] ACPI: bus type PCI registered
[ 0.270908] acpihp: ACPI Hot Plug PCI Controller Driver version: 0.5

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[ 0.270973] PCI: MMCONFIG for domain 0000 [bus 00-3f] at [mem 0xf4000000-0xf7ffffff] (base 0xf4000000)
[ 0.270975] PCI: MMCONFIG at [mem 0xf4000000-0xf7ffffff] reserved in E820
[ 0.270981] pmd_set_huge: Cannot satisfy [mem 0xf4000000-0xf4200000]
with a huge-page mapping due to MTRR override.
[ 0.271078] PCI: Using configuration type 1 for base access
[ 0.271109] core: PMU erratum BJ122, BV98, HSD29 worked around, HT is on
[ 0.276886] HugeTLB registered 2 MB page size, pre-allocated 0 pages
[ 0.277054] ACPI: Added _OSI(Module Device)
[ 0.277055] ACPI: Added _OSI(Processor Device)
[ 0.277056] ACPI: Added _OSI(3.0 _SCP Extensions)
[ 0.277056] ACPI: Added _OSI(Processor Aggregator Device)
[ 0.279731] ACPI: Interpreter enabled
[ 0.279744] ACPI: (supports S0 S3 S4 S5)
[ 0.279745] ACPI: Using IOAPIC for interrupt routing
[ 0.279761] PCI: Using host bridge windows from ACPI; if necessary, use
"pci=nocrs" and report a bug
[ 0.283153] ACPI: PCI Root Bridge [PCI0] (domain 0000 [bus 00-3f])
[ 0.283157] acpi PNP0A03:00: _OSC: OS supports [ExtendedConfig ASPM ClockPM
Segments MSI]
[ 0.283160] acpi PNP0A03:00: _OSC failed (AE_NOT_FOUND); disabling ASPM
[ 0.283349] PCI host bridge to bus 0000:00
[ 0.283351] pci_bus 0000:00: root bus resource [io 0x0000-0x0cf7 window]
[ 0.283352] pci_bus 0000:00: root bus resource [io 0x0d00-0xffff window]
[ 0.283354] pci_bus 0000:00: root bus resource [mem 0x000a0000-0x000bffff
window]
[ 0.283355] pci_bus 0000:00: root bus resource [mem 0x000c0000-0x000dffff
window]
[ 0.283356] pci_bus 0000:00: root bus resource [mem 0xe0000000-0xfebfffff
window]
[ 0.283358] pci_bus 0000:00: root bus resource [bus 00-3f]
[ 0.283365] pci 0000:00:00.0: [8086:0100] type 00 class 0x060000
[ 0.283447] pci 0000:00:01.0: [8086:0101] type 01 class 0x060400
[ 0.283476] pci 0000:00:01.0: PME# supported from D0 D3hot D3cold
[ 0.283571] pci 0000:00:16.0: [8086:1c3a] type 00 class 0x078000
[ 0.283591] pci 0000:00:16.0: reg 0x10: [mem 0xfbfff000-0xfbfff00f 64bit]
[ 0.283662] pci 0000:00:16.0: PME# supported from D0 D3hot D3cold
[ 0.283741] pci 0000:00:1a.0: [8086:1c2d] type 00 class 0x0c0320
[ 0.283757] pci 0000:00:1a.0: reg 0x10: [mem 0xfbffe000-0xfbffe3ff]
[ 0.283840] pci 0000:00:1a.0: PME# supported from D0 D3hot D3cold
[ 0.283879] pci 0000:00:1a.0: System wakeup disabled by ACPI
[ 0.283917] pci 0000:00:1b.0: [8086:1c20] type 00 class 0x040300
[ 0.283932] pci 0000:00:1b.0: reg 0x10: [mem 0xfbff8000-0xfbffbfff 64bit]
[ 0.284005] pci 0000:00:1b.0: PME# supported from D0 D3hot D3cold
[ 0.284048] pci 0000:00:1b.0: System wakeup disabled by ACPI
[ 0.284084] pci 0000:00:1c.0: [8086:1c10] type 01 class 0x060400
[ 0.284152] pci 0000:00:1c.0: PME# supported from D0 D3hot D3cold
[ 0.284194] pci 0000:00:1c.0: System wakeup disabled by ACPI
[ 0.284235] pci 0000:00:1c.5: [8086:1c1a] type 01 class 0x060400
[ 0.284309] pci 0000:00:1c.5: PME# supported from D0 D3hot D3cold
[ 0.284351] pci 0000:00:1c.5: System wakeup disabled by ACPI
[ 0.284389] pci 0000:00:1d.0: [8086:1c26] type 00 class 0x0c0320
[ 0.284406] pci 0000:00:1d.0: reg 0x10: [mem 0xfbffd000-0xfbffd3ff]
[ 0.284489] pci 0000:00:1d.0: PME# supported from D0 D3hot D3cold
[ 0.284527] pci 0000:00:1d.0: System wakeup disabled by ACPI
[ 0.284560] pci 0000:00:1e.0: [8086:244e] type 01 class 0x060401
[ 0.284639] pci 0000:00:1e.0: System wakeup disabled by ACPI
[ 0.284675] pci 0000:00:1f.0: [8086:1c5c] type 00 class 0x060100
[ 0.284843] pci 0000:00:1f.2: [8086:1c00] type 00 class 0x01018f
[ 0.284855] pci 0000:00:1f.2: reg 0x10: [io 0xff00-0xff07]
[ 0.284862] pci 0000:00:1f.2: reg 0x14: [io 0xfe00-0xfe03]
[ 0.284869] pci 0000:00:1f.2: reg 0x18: [io 0xfd00-0xfd07]
[ 0.284876] pci 0000:00:1f.2: reg 0x1c: [io 0xfc00-0xfc03]
[ 0.284883] pci 0000:00:1f.2: reg 0x20: [io 0xfb00-0xfb0f]

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[ 0.284890] pci 0000:00:1f.2: reg 0x24: [io 0xfa00-0xfa0f]
[ 0.284979] pci 0000:00:1f.3: [8086:1c22] type 00 class 0x0c0500
[ 0.284993] pci 0000:00:1f.3: reg 0x10: [mem 0xfbffc000-0xfbffc0ff 64bit]
[ 0.285013] pci 0000:00:1f.3: reg 0x20: [io 0x0500-0x051f]
[ 0.285095] pci 0000:00:1f.5: [8086:1c08] type 00 class 0x010185
[ 0.285107] pci 0000:00:1f.5: reg 0x10: [io 0xf800-0xf80f]
[ 0.285114] pci 0000:00:1f.5: reg 0x14: [io 0xf700-0xf703]
[ 0.285121] pci 0000:00:1f.5: reg 0x18: [io 0xf600-0xf60f]
[ 0.285128] pci 0000:00:1f.5: reg 0x1c: [io 0xf500-0xf503]
[ 0.285135] pci 0000:00:1f.5: reg 0x20: [io 0xf400-0xf40f]
[ 0.285142] pci 0000:00:1f.5: reg 0x24: [io 0xf300-0xf30f]
[ 0.285260] pci 0000:01:00.0: [10de:1040] type 00 class 0x030000
[ 0.285269] pci 0000:01:00.0: reg 0x10: [mem 0xf9000000-0xf9ffffff]
[ 0.285278] pci 0000:01:00.0: reg 0x14: [mem 0xe0000000-0xe7ffffff 64bit
pref]
[ 0.285286] pci 0000:01:00.0: reg 0x1c: [mem 0xee000000-0xefffffff 64bit
pref]
[ 0.285292] pci 0000:01:00.0: reg 0x24: [io 0xdf00-0xdf7f]
[ 0.285298] pci 0000:01:00.0: reg 0x30: [mem 0x00000000-0x0007ffff pref]
[ 0.285375] pci 0000:01:00.1: [10de:0e08] type 00 class 0x040300
[ 0.285385] pci 0000:01:00.1: reg 0x10: [mem 0xfaffc000-0xfaffffff]
[ 0.295233] pci 0000:00:01.0: PCI bridge to [bus 01]
[ 0.295239] pci 0000:00:01.0: bridge window [io 0xd000-0xdfff]
[ 0.295242] pci 0000:00:01.0: bridge window [mem 0xf9000000-0xfaffffff]
[ 0.295247] pci 0000:00:01.0: bridge window [mem 0xe0000000-0xefffffff
64bit pref]
[ 0.295316] pci 0000:00:1c.0: PCI bridge to [bus 02]
[ 0.295386] pci 0000:03:00.0: [1283:8892] type 01 class 0x060400
[ 0.295544] pci 0000:00:1c.5: PCI bridge to [bus 03-04]
[ 0.295547] pci 0000:00:1c.5: bridge window [io 0xe000-0xefff]
[ 0.295550] pci 0000:00:1c.5: bridge window [mem 0xfbe00000-0xfbefffff]
[ 0.295618] pci 0000:04:01.0: [10ec:8139] type 00 class 0x020000
[ 0.295652] pci 0000:04:01.0: reg 0x10: [io 0xee00-0xeeff]
[ 0.295672] pci 0000:04:01.0: reg 0x14: [mem 0xfbeff000-0xfbeff0ff]
[ 0.295766] pci 0000:04:01.0: reg 0x30: [mem 0x00000000-0x0000ffff pref]
[ 0.295827] pci 0000:04:01.0: supports D1 D2
[ 0.295828] pci 0000:04:01.0: PME# supported from D1 D2 D3hot D3cold
[ 0.295951] pci 0000:03:00.0: PCI bridge to [bus 04]
[ 0.295962] pci 0000:03:00.0: bridge window [io 0xe000-0xefff]
[ 0.295968] pci 0000:03:00.0: bridge window [mem 0xfbe00000-0xfbefffff]
[ 0.296056] pci 0000:00:1e.0: PCI bridge to [bus 05] (subtractive decode)
[ 0.296065] pci 0000:00:1e.0: bridge window [io 0x0000-0x0cf7 window]
(subtractive decode)
[ 0.296066] pci 0000:00:1e.0: bridge window [io 0xd000-0xffff window]
(subtractive decode)
[ 0.296068] pci 0000:00:1e.0: bridge window [mem 0x000a0000-0x000bffff
window] (subtractive decode)
[ 0.296069] pci 0000:00:1e.0: bridge window [mem 0x000c0000-0x000dffff
window] (subtractive decode)
[ 0.296070] pci 0000:00:1e.0: bridge window [mem 0xe0000000-0xfefbffff
window] (subtractive decode)
[ 0.296563] ACPI: PCI Interrupt Link [LNKA] (IRQs 3 4 5 6 7 9 10 11 *12 14
15)
[ 0.296606] ACPI: PCI Interrupt Link [LNKB] (IRQs 3 4 *5 6 7 9 10 11 12 14
15)
[ 0.296647] ACPI: PCI Interrupt Link [LNKC] (IRQs 3 4 5 6 7 9 *10 11 12 14
15)
[ 0.296688] ACPI: PCI Interrupt Link [LNKD] (IRQs 3 4 5 6 7 9 10 *11 12 14
15)
[ 0.296729] ACPI: PCI Interrupt Link [LNKE] (IRQs 3 4 5 6 7 9 10 11 12 14 15)
*0, disabled.
[ 0.296782] ACPI: PCI Interrupt Link [LNKF] (IRQs 3 4 5 6 7 9 10 11 12 14 15)
*0, disabled.
[ 0.296824] ACPI: PCI Interrupt Link [LNK0] (IRQs *3 4 5 6 7 9 10 11 12 14

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15)
[ 0.296864] ACPI: PCI Interrupt Link [LNK1] (IRQs 3 4 5 6 7 *9 10 11 12 14
15)
[ 0.296953] ACPI: Enabled 1 GPEs in block 00 to 3F
[ 0.297059] vgaarb: setting as boot device: PCI:0000:01:00.0
[ 0.297060] vgaarb: device added:
PCI:0000:01:00.0, decodes=io+mem, owns=io+mem, locks=none
[ 0.297061] vgaarb: loaded
[ 0.297062] vgaarb: bridge control possible 0000:01:00.0
[ 0.297141] PCI: Using ACPI for IRQ routing
[ 0.298588] PCI: pci_cache_line_size set to 64 bytes
[ 0.298633] e820: reserve RAM buffer [mem 0x0009f800-0x0009ffff]
[ 0.298634] e820: reserve RAM buffer [mem 0xdf7d0000-0xdfffffff]
[ 0.298635] e820: reserve RAM buffer [mem 0x11f800000-0x11fffffff]
[ 0.298773] hpet0: at MMIO 0xfed00000, IRQs 2, 8, 0, 0, 0, 0, 0, 0
[ 0.298778] hpet0: 8 comparators, 64-bit 14.318180 MHz counter
[ 0.300805] clocksource: Switched to clocksource hpet
[ 0.309097] VFS: Disk quotas dquot_6.6.0
[ 0.309121] VFS: Dquot-cache hash table entries: 512 (order 0, 4096 bytes)
[ 0.309200] pnp: PnP ACPI init
[ 0.309354] system 00:00: [io 0x04d0-0x04d1] has been reserved
[ 0.309356] system 00:00: [io 0x0290-0x029f] has been reserved
[ 0.309357] system 00:00: [io 0x0800-0x087f] has been reserved
[ 0.309359] system 00:00: [io 0x0290-0x029f] has been reserved
[ 0.309360] system 00:00: [io 0x0880-0x088f] has been reserved
[ 0.309364] system 00:00: Plug and Play ACPI device, IDs PNP0c02 (active)
[ 0.309422] pnp 00:01: Plug and Play ACPI device, IDs PNP0b00 (active)
[ 0.309639] pnp 00:02: Plug and Play ACPI device, IDs PNP0501 (active)
[ 0.309799] pnp 00:03: Plug and Play ACPI device, IDs PNP0400 (active)
[ 0.309905] system 00:04: [io 0x0400-0x04cf] has been reserved
[ 0.309907] system 00:04: [io 0x04d2-0x04ff] has been reserved
[ 0.309910] system 00:04: Plug and Play ACPI device, IDs PNP0c02 (active)
[ 0.309948] system 00:05: [io 0x1000-0x107f] has been reserved
[ 0.309949] system 00:05: [io 0x1080-0x10ff] has been reserved
[ 0.309951] system 00:05: [io 0x1100-0x117f] has been reserved
[ 0.309952] system 00:05: [io 0x1180-0x11ff] has been reserved
[ 0.309955] system 00:05: Plug and Play ACPI device, IDs ICD0001 PNP0c02
(active)
[ 0.310103] system 00:06: [io 0x0454-0x0457] has been reserved
[ 0.310106] system 00:06: Plug and Play ACPI device, IDs INT3f0d PNP0c02
(active)
[ 0.310147] system 00:07: [mem 0xf4000000-0xf7ffffff] has been reserved
[ 0.310149] system 00:07: Plug and
Play ACPI device, IDs PNP0c02 (active)
[ 0.310296] system 00:08: [mem 0x000cde00-0x000cffff] has been reserved
[ 0.310298] system 00:08: [mem 0x000f0000-0x000f7fff] could not be reserved
[ 0.310300] system 00:08: [mem 0x000f8000-0x000fbfff] could not be reserved
[ 0.310301] system 00:08: [mem 0x000fc000-0x000fffff] could not be reserved
[ 0.310303] system 00:08: [mem 0xdf7d0000-0xdf7dffff] could not be reserved
[ 0.310304] system 00:08: [mem 0x00000000-0x0009ffff] could not be reserved
[ 0.310306] system 00:08: [mem 0x00100000-0xdf7cffff] could not be reserved
[ 0.310307] system 00:08: [mem 0xdf7e0000-0xdf7effff] could not be reserved
[ 0.310309] system 00:08: [mem 0xfec00000-0xfec00fff] could not be reserved
[ 0.310310] system 00:08: [mem 0xfed10000-0xfed1dfff] has been reserved
[ 0.310312] system 00:08: [mem 0xfed20000-0xfed8ffff] has been reserved
[ 0.310313] system 00:08: [mem 0xfef00000-0xfef00fff] has been reserved
[ 0.310315] system 00:08: [mem 0xffb00000-0xffb7ffff] has been reserved
[ 0.310316] system 00:08: [mem 0xffff0000-0xffffffff] has been reserved
[ 0.310318] system 00:08: [mem 0x000e0000-0x000effff] has been reserved
[ 0.310319] system 00:08: [mem 0x20000000-0x201fffff] could not be reserved
[ 0.310321] system 00:08: [mem 0x40000000-0x400fffff] could not be reserved
[ 0.310322] system 00:08: [mem 0xdf800000-0xdfffffff] could not be reserved
[ 0.310325] system 00:08: Plug and Play ACPI device, IDs PNP0c01 (active)
[ 0.310329] pnp: PnP ACPI: found 9 devices

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[ 0.316832] clocksource: acpi_pm: mask: 0xffffffff max_cycles: 0xffffffff,
max_idle_ns: 2085701024 ns
[ 0.316848] pci 0000:00:1c.0: bridge window [io 0x1000-0x0fff] to [bus 02]
add_size 1000
[ 0.316850] pci 0000:00:1c.0: bridge window [mem 0x00100000-0x000fffff 64bit
pref] to [bus 02] add_size 200000 add_align 100000
[ 0.316852] pci 0000:00:1c.0: bridge window [mem 0x00100000-0x000fffff] to
[bus 02] add_size 200000 add_align 100000
[ 0.316882] pci 0000:00:1c.0: res[14]=[mem 0x00100000-0x000fffff]
res_to_dev_res add_size 200000 min_align 100000
[ 0.316883] pci 0000:00:1c.0: res[14]=[mem 0x00100000-0x002fffff]
res_to_dev_res add_size 200000 min_align 100000
[ 0.316885] pci 0000:00:1c.0: res[15]=[mem 0x00100000-0x000fffff 64bit pref]
res_to_dev_res add_size 200000 min_align 100000
[ 0.316886] pci 0000:00:1c.0: res[15]=[mem 0x00100000-0x002fffff 64bit pref]
res_to_dev_res add_size 200000 min_align 100000
[ 0.316888] pci 0000:00:1c.0: res[13]=[io 0x1000-0x0fff] res_to_dev_res
add_size 1000 min_align 1000
[ 0.316889] pci 0000:00:1c.0: res[13]=[io 0x1000-0x1fff] res_to_dev_res
add_size 1000 min_align 1000
[ 0.316894] pci 0000:00:1c.0: BAR 14: assigned [mem 0xf0000000-0xf01fffff]
[ 0.316898] pci 0000:00:1c.0: BAR 15: assigned [mem 0xf0200000-0xf03fffff
64bit pref]
[ 0.316900] pci 0000:00:1c.0: BAR 13: assigned [io 0x2000-0x2fff]
[ 0.316903] pci 0000:01:00.0: BAR 6: assigned [mem 0xfa000000-0xfa07ffff
pref]
[ 0.316904] pci 0000:00:01.0: PCI bridge to [bus 01]
[ 0.316906] pci 0000:00:01.0: bridge window [io 0xd000-0xdfff]
[ 0.316909] pci 0000:00:01.0: bridge window [mem 0xf9000000-0xfaffffff]
[ 0.316911] pci 0000:00:01.0: bridge window [mem 0xe0000000-0xefffffff
64bit pref]
[ 0.316913] pci 0000:00:1c.0: PCI bridge to [bus 02]
[ 0.316915] pci 0000:00:1c.0: bridge window [io 0x2000-0x2fff]
[ 0.316920] pci 0000:00:1c.0: bridge window [mem 0xf0000000-0xf01fffff]
[ 0.316923] pci 0000:00:1c.0: bridge window [mem 0xf0200000-0xf03fffff
64bit pref]
[ 0.316929] pci 0000:04:01.0: BAR 6: assigned [mem 0xfbe00000-0xfbe0ffff
pref]
[ 0.316930] pci 0000:03:00.0: PCI bridge to [bus 04]
[ 0.316934] pci 0000:03:00.0: bridge window [io 0xe000-0xefff]
[ 0.316942] pci 0000:03:00.0: bridge window [mem 0xfbe00000-0xfbeffffff]
[ 0.316958] pci 0000:00:1c.5: PCI bridge to [bus 03-04]
[ 0.316960] pci 0000:00:1c.5: bridge window [io 0xe000-0xefff]
[ 0.316964] pci 0000:00:1c.5: bridge window [mem 0xfbe00000-0xfbeffffff]
[ 0.316972] pci 0000:00:1e.0: PCI bridge to [bus 05]
[ 0.316982] pci_bus 0000:00: resource 4 [io 0x0000-0x0cf7 window]
[ 0.316983] pci_bus 0000:00: resource 5 [io 0x0d00-0xffff window]
[ 0.316984] pci_bus 0000:00: resource 6 [mem 0x000a0000-0x000bffff window]
[ 0.316985] pci_bus 0000:00: resource 7 [mem 0x000c0000-0x000dffff window]
[ 0.316987] pci_bus 0000:00: resource 8 [mem 0xe0000000-0xfefbffff window]
[ 0.316988] pci_bus 0000:01: resource 0 [io 0xd000-0xdfff]
[ 0.316989] pci_bus 0000:01: resource 1 [mem 0xf9000000-0xfaffffff]
[ 0.316990] pci_bus 0000:01: resource 2 [mem 0xe0000000-0xefffffff 64bit
pref]
[ 0.316992] pci_bus 0000:02: resource 0 [io 0x2000-0x2fff]
[ 0.316993] pci_bus 0000:02: resource 1 [mem 0xf0000000-0xf01fffff]
[ 0.316994] pci_bus 0000:02: resource 2 [mem 0xf0200000-0xf03fffff 64bit
pref]
[ 0.316995] pci_bus 0000:03: resource 0 [io 0xe000-0xefff]
[ 0.316996] pci_bus 0000:03: resource 1 [mem 0xfbe00000-0xfbeffffff]
[ 0.316998] pci_bus 0000:04: resource 0 [io 0xe000-0xefff]
[ 0.316999] pci_bus 0000:04: resource 1 [mem 0xfbe00000-0xfbeffffff]
[ 0.317000] pci_bus 0000:05: resource 4 [io 0x0000-0x0cf7 window]
[ 0.317001] pci_bus 0000:05: resource 5 [io 0x0d00-0xffff window]

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[ 0.317003] pci_bus 0000:05: resource 6 [mem 0x000a0000-0x000bffff window]
[ 0.317004] pci_bus 0000:05: resource 7 [mem 0x000c0000-0x000dffff window]
[ 0.317005] pci_bus 0000:05: resource 8 [mem 0xe0000000-0xfebffffff window]
[ 0.317062] NET: Registered protocol family 2
[ 0.317212] TCP established hash table entries: 32768 (order: 6, 262144
bytes)
[ 0.317387] TCP bind hash table entries: 32768 (order: 8, 1835008 bytes)
[ 0.317673] TCP: Hash tables configured (established 32768 bind 32768)
[ 0.317720] UDP hash table entries: 2048 (order: 6, 262144 bytes)
[ 0.317781] UDP-Lite hash table entries: 2048 (order: 6, 262144 bytes)
[ 0.317877] NET: Registered protocol family 1
[ 0.356971] pci 0000:01:00.0: Video device with shadowed ROM at [mem
0x000c0000-0x000dffff]
[ 0.356985] PCI: CLS 4 bytes, default 64
[ 0.357039] Unpacking initramfs...
[ 0.683345] Freeing initrd memory: 23508K
[ 0.683356] PCI-DMA: Using software bounce buffering for IO (SWIOTLB)
[ 0.683358] software IO TLB: mapped [mem 0xdb7d0000-0xdf7d0000] (64MB)
[ 0.683743] audit: initializing netlink subsys (disabled)
[ 0.683758] audit: type=2000 audit(1664784723.680:1): initialized
[ 0.684209] workingset: timestamp_bits=40 max_order=20 bucket_order=0
[ 0.685776] zbud: loaded
[ 0.686670] Block layer SCSI generic (bsg) driver version 0.4 loaded (major
250)
[ 0.686700] io scheduler noop registered
[ 0.686702] io scheduler deadline registered
[ 0.686730] io scheduler cfq registered (default)
[ 0.686965] pcieport 0000:00:1c.0: enabling device (0000 -> 0003)
[ 0.687221] pci_hotplug: PCI Hot Plug PCI Core version: 0.5
[ 0.687227] pciehp: PCI Express Hot Plug Controller Driver version: 0.4
[ 0.687240] intel_idle: MWAIT substates: 0x1120
[ 0.687241] intel_idle: v0.4.1 model 0x2A
[ 0.687357] intel_idle: lapic_timer_reliable_states 0xffffffff
[ 0.687777] GHES: HEST is not enabled!
[ 0.687836] Serial: 8250/16550 driver, 4 ports, IRQ sharing enabled
[ 0.708319] 00:02: ttyS0 at I/O 0x3f8 (irq = 4, base_baud = 115200) is a
16550A
[ 0.708727] Linux agpgart interface v0.103
[ 0.708805] AMD IOMMUv2 driver by Joerg Roedel <jroedel@suse.de>
[ 0.708806] AMD IOMMUv2 functionality not available on this system
[ 0.709150] i8042: PNP: No PS/2 controller found. Probing ports directly.
[ 0.742083] i8042: Failed to disable AUX port, but continuing anyway... Is
this a SiS?
[ 0.742083] i8042: If AUX port is really absent please use the 'i8042.noaux'
option
[ 0.997172] serio: i8042 KBD port at 0x60,0x64 irq 1
[ 0.997293] mousedev: PS/2 mouse device common for all mice
[ 0.997331] rtc_cmos 00:01: RTC can wake from S4
[ 0.997457] rtc_cmos 00:01: rtc core: registered rtc_cmos as rtc0
[ 0.997564] rtc_cmos 00:01: alarms up to one month, 242 bytes nvram, hpet
irqs
[ 0.997577] intel_pstate: Intel P-state driver initializing
[ 0.998310] NET: Registered protocol family 10
[ 0.998633] mip6: Mobile IPv6
[ 0.998637] NET: Registered protocol family 17
[ 0.998641] mpls_gso: MPLS GSO support
[ 0.998965] microcode: sig=0x206a7, pf=0x2, revision=0x2d
[ 0.999065] microcode: Microcode Update Driver: v2.01
<tigran@aivazian.fsnet.co.uk>, Peter Oruba
[ 0.999310] registered taskstats version 1
[ 0.999347] zswap: loaded using pool lzo/zbud
[ 0.999404] ima: No TPM chip found, activating TPM-bypass!
[ 0.999407] ima: Allocated hash algorithm: sha256
[ 0.999769] rtc_cmos 00:01: setting system clock to 2022-10-03 08:12:04 UTC

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(1664784724)
[ 0.999831] PM: Hibernation image not present or could not be loaded.
[ 1.001493] Freeing unused kernel memory: 1684K
[ 1.001495] Write protecting the kernel read-only data: 12288k
[ 1.002583] Freeing unused kernel memory: 1752K
[ 1.006725] Freeing unused kernel memory: 1180K
[ 1.015746] x86/mm: Checked W+X mappings: passed, no W+X pages found.
[ 1.037970] random: systemd-udevd: uninitialized urandom read (16 bytes read)
[ 1.038083] random: systemd-udevd: uninitialized urandom read (16 bytes read)
[ 1.038098] random: systemd-udevd: uninitialized urandom read (16 bytes read)
[ 1.076807] 8139cp: 8139cp: 10/100 PCI Ethernet driver v1.3 (Mar 22, 2004)
[ 1.076813] 8139cp 0000:04:01.0: This (id 10ec:8139 rev 10) is not an 8139C+
compatible chip, use 8139too
[ 1.077767] ACPI: bus type USB registered
[ 1.078938] usbcore: registered new interface driver usbfs
[ 1.080092] usbcore: registered new interface driver hub
[ 1.080751] usbcore:
registered new device driver usb
[ 1.080835] 8139too: 8139too Fast Ethernet driver 0.9.28
[ 1.089863] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
[ 1.091292] SCSI subsystem initialized
[ 1.094820] ehci-pci: EHCI PCI platform driver
[ 1.095715] ehci-pci 0000:00:1a.0: EHCI Host Controller
[ 1.095880] ehci-pci 0000:00:1a.0: new USB bus registered, assigned bus
number 1
[ 1.095897] ehci-pci 0000:00:1a.0: debug port 2
[ 1.099803] ehci-pci 0000:00:1a.0: cache line size of 4 is not supported
[ 1.100087] ehci-pci 0000:00:1a.0: irq 18, io mem 0xfbfef000
[ 1.101741] 8139too 0000:04:01.0 eth0: RealTek RTL8139 at 0xffff9dc2c0a51000,
00:80:48:21:4a:bc, IRQ 18
[ 1.110088] libata version 3.00 loaded.
[ 1.112903] ehci-pci 0000:00:1a.0: USB 2.0 started, EHCI 1.00
[ 1.113345] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002
[ 1.113347] usb usb1: New USB device strings: Mfr=3, Product=2,
SerialNumber=1
[ 1.113349] usb usb1: Product: EHCI Host Controller
[ 1.113351] usb usb1: Manufacturer: Linux 4.9.0-13-rt-amd64 ehci_hcd
[ 1.113352] usb usb1: SerialNumber: 0000:00:1a.0
[ 1.116095] hub 1-0:1.0: USB hub found
[ 1.116108] hub 1-0:1.0: 2 ports detected
[ 1.116535] i801_smbus 0000:00:1f.3: SMBus using PCI interrupt
[ 1.117403] ata_piix 0000:00:1f.2: version 2.13
[ 1.117568] ata_piix 0000:00:1f.2: MAP [ P0 P2 P1 P3 ]
[ 1.278104] scsi host0: ata_piix
[ 1.278285] scsi host1: ata_piix
[ 1.278359] ata1: SATA max UDMA/133 cmd 0xff00 ctl 0xfe00 bmdma 0xfb00 irq 19
[ 1.278363] ata2: SATA max UDMA/133 cmd 0xfd00 ctl 0xfc00 bmdma 0xfb08 irq 19
[ 1.278648] ehci-pci 0000:00:1d.0: EHCI Host Controller
[ 1.278657] ehci-pci 0000:00:1d.0: new USB bus registered, assigned bus
number 2
[ 1.278672] ehci-pci 0000:00:1d.0: debug port 2
[ 1.282591] ehci-pci 0000:00:1d.0: cache line size of 4 is not supported
[ 1.282697] ehci-pci 0000:00:1d.0: irq 23, io mem 0xfbfef000
[ 1.296917] ehci-pci 0000:00:1d.0: USB 2.0 started, EHCI 1.00
[ 1.297001] usb usb2: New USB device found, idVendor=1d6b, idProduct=0002
[ 1.297004] usb usb2: New USB device strings: Mfr=3, Product=2,
SerialNumber=1
[ 1.297006] usb usb2: Product: EHCI Host Controller
[ 1.297008] usb usb2: Manufacturer: Linux 4.9.0-13-rt-amd64 ehci_hcd
[ 1.297010] usb usb2: SerialNumber: 0000:00:1d.0
[ 1.297325] hub 2-0:1.0: USB hub found
[ 1.297338] hub 2-0:1.0: 2 ports detected
[ 1.297770] ata_piix 0000:00:1f.5: MAP [ P0 -- P1 -- ]
[ 1.301879] scsi host2: ata_piix

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[ 1.302024] scsi host3: ata_piix
[ 1.302096] ata3: SATA max UDMA/133 cmd 0xf800 ctl 0xf700 bmdma 0xf400 irq 19
[ 1.302100] ata4: SATA max UDMA/133 cmd 0xf600 ctl 0xf500 bmdma 0xf408 irq 19
[ 1.440971] usb 1-1: new high-speed USB device number 2 using ehci-pci
[ 1.589383] usb 1-1: New USB device found, idVendor=8087, idProduct=0024
[ 1.589387] usb 1-1: New USB device strings: Mfr=0, Product=0, SerialNumber=0
[ 1.589789] hub 1-1:1.0: USB hub found
[ 1.589967] hub 1-1:1.0: 4 ports detected
[ 1.624962] usb 2-1: new high-speed USB device number 2 using ehci-pci
[ 1.626752] ata3: SATA link down (SStatus 0 SControl 300)
[ 1.637745] ata4: SATA link down (SStatus 0 SControl 300)
[ 1.696979] tsc: Refined TSC clocksource calibration: 3092.973 MHz
[ 1.696989] clocksource: tsc: mask: 0xffffffffffffffff max_cycles:
0x2c95594edb3, max_idle_ns: 440795220223 ns
[ 1.773666] usb 2-1: New USB device found, idVendor=8087, idProduct=0024
[ 1.773670] usb 2-1: New USB device strings: Mfr=0, Product=0, SerialNumber=0
[ 1.774192] hub 2-1:1.0: USB hub found
[ 1.774355] hub 2-1:1.0: 6 ports detected
[ 1.877026] usb 1-1.1: new low-speed USB device number 3 using ehci-pci
[ 1.989166] usb 1-1.1: New USB device found, idVendor=89e5, idProduct=1001
[ 1.989170] usb 1-1.1: New USB device strings: Mfr=0, Product=1,
SerialNumber=0
[ 1.989172] usb 1-1.1: Product: USB OPTICAL MOUSE
[ 1.992029] hidraw: raw HID events driver (C) Jiri Kosina
[ 1.997303] usbcore: registered new interface driver usbhid
[ 1.997306] usbhid: USB HID core driver
[ 1.998237] input: USB OPTICAL MOUSE as
/devices/pci0000:00/0000:00:1a.0/usb1/1-1/1-1.1/1-1.1:1.0/0003:89E5:1001.0001/
input/input1
[ 1.998357] hid-generic 0003:89E5:1001.0001: input,hidraw0: USB HID v1.11
Mouse [USB OPTICAL MOUSE] on usb-0000:00:1a.0-1.1/input0
[ 2.061021] usb 2-1.6: new low-speed USB device number 3 using ehci-pci
[ 2.175800] usb 2-1.6: New USB device found, idVendor=045e, idProduct=07f8
[ 2.175805] usb 2-1.6: New USB device strings: Mfr=1, Product=2,
SerialNumber=0
[ 2.175807] usb 2-1.6: Product: Wired Keyboard 600
[ 2.175809] usb 2-1.6: Manufacturer: Microsoft
[ 2.179292] input: Microsoft Wired Keyboard 600 as
/devices/pci0000:00/0000:00:1d.0/usb2/2-1/2-1.6/2-1.6:1.0/0003:045E:07F8.0002/
input/input2
[ 2.237444] hid-generic 0003:045E:07F8.0002: input,hidraw1: USB HID v1.11
Keyboard [Microsoft Wired Keyboard 600] on usb-0000:00:1d.0-1.6/input0
[ 2.241243] input: Microsoft Wired Keyboard 600 as
/devices/pci0000:00/0000:00:1d.0/usb2/2-1/2-1.6/2-1.6:1.1/0003:045E:07F8.0003/
input/input3
[ 2.301173] hid-generic 0003:045E:07F8.0003: input,hidraw2: USB HID v1.11
Device [Microsoft Wired Keyboard 600] on usb-0000:00:1d.0-1.6/input1
[ 2.633074] ata2.01: failed to resume link (SControl 0)
[ 2.644039] ata2.00: SATA link down (SStatus 0 SControl 300)
[ 2.644054] ata2.01: SATA link down (SStatus 0 SControl 0)
[ 2.644119] ata1.01: failed to resume link (SControl 0)
[ 2.721288] clocksource: Switched to clocksource tsc
[ 2.801116] ata1.00: SATA link up 3.0 Gbps (SStatus 123 SControl 300)
[ 2.801129] ata1.01: SATA link down (SStatus 0 SControl 0)
[ 2.801662] ata1.00: ATA-10: KINGSTON SA400S37120G, SBFKB1E1, max UDMA/133
[ 2.801666] ata1.00: 234441648 sectors, multi 1: LBA48 NCQ (depth 0/32)
[ 2.802290] ata1.00: configured for UDMA/133
[ 2.802651] scsi 0:0:0:0: Direct-Access ATA KINGSTON SA400S3 B1E1
PQ: 0 ANSI: 5
[ 2.860539] sd 0:0:0:0: [sda] 234441648 512-byte logical blocks: (120 GB/112
GiB)
[ 2.860659] sd 0:0:0:0: [sda] Write Protect is off
[ 2.860663] sd 0:0:0:0: [sda] Mode Sense: 00 3a 00 00
[ 2.860687] sd 0:0:0:0: [sda] Write cache: enabled, read cache: enabled,

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doesn't support DPO or FUA

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[ 2.861811] sda: sda1 sda2 < sda5 >
[ 2.862493] sd 0:0:0:0: [sda] Attached SCSI disk
[ 2.890306] random: fast init done
[ 2.930063] PM: Starting manual resume from disk
[ 2.930067] PM: Hibernation image partition 8:5 present
[ 2.930068] PM: Looking for hibernation image.
[ 2.930351] PM: Image not found (code -22)
[ 2.930353] PM: Hibernation image not present or could not be loaded.
[ 3.135853] EXT4-fs (sda1): mounted filesystem with ordered data mode. Opts:
(null)
[ 3.313527] ip_tables: (C) 2000-2006 Netfilter Core Team
[ 3.322231] systemd[1]: systemd 232 running in system mode. (+PAM +AUDIT
+SELINUX +IMA +APPARMOR +SMACK +SYSVINIT +UTMP +LIBCRYPTSETUP +GCRYPT +GNUTLS
+ACL +XZ +LZ4 +SECCOMP +BLKID +ELFUTILS +KMOD +IDN)
[ 3.322553] systemd[1]: Detected architecture x86-64.
[ 3.323298] systemd[1]: Set hostname to <cnc>.
[ 3.419001] systemd[1]: live-tools.service: Cannot add dependency job,
ignoring: Unit live-tools.service is masked.
[ 3.419573] systemd[1]: Listening on Syslog Socket.
[ 3.419709] systemd[1]: Started Dispatch Password Requests to Console
Directory Watch.
[ 3.419751] systemd[1]: Listening on udev Kernel Socket.
[ 3.419810] systemd[1]: Started Forward Password Requests to Wall Directory
Watch.
[ 3.419898] systemd[1]: Listening on Journal Audit Socket.
[ 3.419948] systemd[1]: Listening on udev Control Socket.
[ 3.450619] EXT4-fs (sda1): re-mounted. Opts: errors=remount-ro
[ 3.453572] lp: driver loaded but no devices found
[ 3.457398] ppdev: user-space parallel port driver
[ 3.458882] parport_pc 00:03: reported by Plug and Play ACPI
[ 3.458961] parport0: PC-style at 0x378, irq 7 [PCSP,TRISTATE]
[ 3.534079] systemd-journald[227]: Received request to flush runtime journal
from PID 1
[ 3.557954] lp0: using parport0 (interrupt-driven).
[ 3.702458] ACPI Warning: SystemIO range 0x00000000000000428-
0x0000000000000042F conflicts with OpRegion 0x0000000000000042C-0x0000000000000042D
(\GP2C) (20160831/utaddress-247)
[ 3.702464] ACPI: If an ACPI driver is available for this device, you should
use it instead of the native driver
[ 3.702696] lpc_ich: Resource conflict(s) found affecting gpio_ich
[ 3.706182] shpchp: Standard Hot Plug PCI Controller Driver version: 0.4
[ 3.706780] input: Power Button as
/devices/LNXSYSTM:00/LNXXSYBUS:00/PNP0C0C:00/input/input4
[ 3.706785] ACPI: Power Button [PWRB]
[ 3.706881] input: Power Button as
/devices/LNXSYSTM:00/LNXPWRBN:00/input/input5
[ 3.706884] ACPI: Power Button [PWRB]
[ 3.861508] [drm] Initialized
[ 3.870646] snd_hda_intel 0000:01:00.1: Disabling MSI
[ 3.870658] snd_hda_intel 0000:01:00.1: Handle vga_switcheroo audio client
[ 3.953178] snd_hda_codec_via hdaudioC0D2: autoconfig for VT1708S:
line_outs=1 (0x1c/0x0/0x0/0x0/0x0) type:line
[ 3.953182] snd_hda_codec_via hdaudioC0D2: speaker_outs=0
(0x0/0x0/0x0/0x0/0x0)
[ 3.953185] snd_hda_codec_via hdaudioC0D2: hp_outs=1
(0x1d/0x0/0x0/0x0/0x0)
[ 3.953186] snd_hda_codec_via hdaudioC0D2: mono: mono_out=0x0
[ 3.953188] snd_hda_codec_via hdaudioC0D2: inputs:
[ 3.953192] snd_hda_codec_via hdaudioC0D2: Rear Mic=0x1a
[ 3.953195] snd_hda_codec_via hdaudioC0D2: Front Mic=0x1e
[ 3.953197] snd_hda_codec_via hdaudioC0D2: Line=0x1b
[ 3.995187] wmi: Mapper loaded
[ 3.999141] sd 0:0:0:0: Attached scsi generic sg0 type 0
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[ 4.013591] input: HDA Intel PCH Rear Mic as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input6
[
4.019569] input: HDA Intel PCH Front Mic as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input7
[ 4.024427] input: HDA Intel PCH Line as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input8
[ 4.028930] input: HDA Intel PCH Line Out as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input9
[ 4.036623] input: HDA Intel PCH Front Headphone as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input10
[ 4.043149] input: PC Speaker as /devices/platform/pcspkr/input/input11
[ 4.072586] nouveau 0000:01:00.0: NVIDIA GF119 (0d9000a1)
[ 4.134696] RAPL PMU: API unit is 2^-32 Joules, 3 fixed counters, 163840 ms
ovfl timer
[ 4.134698] RAPL PMU: hw unit of domain pp0-core 2^-16 Joules
[ 4.134699] RAPL PMU: hw unit of domain package 2^-16 Joules
[ 4.134700] RAPL PMU: hw unit of domain pp1-gpu 2^-16 Joules
[ 4.219758] nouveau 0000:01:00.0: bios: version 75.19.1b.00.01
[ 4.291226] nouveau 0000:01:00.0: fb: 1024 MiB DDR3
[ 4.331181] Adding 4174844k swap on /dev/sda5. Priority:-1 extents:1
across:4174844k SSFS
[ 4.355596] [TTM] Zone kernel: Available graphics memory: 2015264 kiB
[ 4.355599] [TTM] Initializing pool allocator
[ 4.356424] [TTM] Initializing DMA pool allocator
[ 4.358002] nouveau 0000:01:00.0: DRM: VRAM: 1024 MiB
[ 4.358004] nouveau 0000:01:00.0: DRM: GART: 1048576 MiB
[ 4.358008] nouveau 0000:01:00.0: DRM: TMDS table version 2.0
[ 4.358013] nouveau 0000:01:00.0: DRM: DCB version 4.0
[ 4.358016] nouveau 0000:01:00.0: DRM: DCB outp 00: 02000300 00000000
[ 4.358019] nouveau 0000:01:00.0: DRM: DCB outp 01: 01000302 00020030
[ 4.358021] nouveau 0000:01:00.0: DRM: DCB outp 02: 02011362 00020010
[ 4.358023] nouveau 0000:01:00.0: DRM: DCB outp 03: 04022310 00000000
[ 4.358024] nouveau 0000:01:00.0: DRM: DCB conn 00: 00001030
[ 4.358025] nouveau 0000:01:00.0: DRM: DCB conn 01: 00002161
[ 4.358026] nouveau 0000:01:00.0: DRM: DCB conn 02: 00000200
[ 4.372681] [drm] Supports vblank timestamp caching Rev 2 (21.10.2013).
[ 4.372683] [drm] Driver supports precise vblank timestamp query.
[ 4.432952] nouveau 0000:01:00.0: DRM: MM: using COPY0 for buffer copies
[ 4.482035] input: HDA NVidia HDMI/DP,pcm=3 as
/devices/pci0000:00/0000:00:01.0/0000:01:00.1/sound/card1/input12
[ 4.492261] input: HDA NVidia HDMI/DP,pcm=7 as
/devices/pci0000:00/0000:00:01.0/0000:01:00.1/sound/card1/input13
[ 4.503023] intel_rapl: Found RAPL domain package
[ 4.503025] intel_rapl: Found RAPL domain core
[ 4.503029] intel_rapl: Found RAPL domain uncore
[ 4.507373] iTCO_vendor_support: vendor-support=0
[ 4.515986] iTCO_wdt: Intel TCO WatchDog Timer Driver v1.11
[ 4.516674] iTCO_wdt: unable to reset NO_REBOOT flag, device disabled by
hardware/BIOS
[ 4.546583] nouveau 0000:01:00.0: DRM: allocated 1280x1024 fb: 0x60000, bo
ffff8ec5d6f0a800
[ 4.553851] fbcon: nouveaufb (fb0) is primary device
[ 4.631766] Console: switching to colour frame buffer device 160x64
[ 4.634193] nouveau 0000:01:00.0: fb0: nouveaufb frame buffer device
[ 4.661188] [drm] Initialized nouveau 1.3.1 20120801 for 0000:01:00.0 on
minor 0
[ 5.099041] 8139too 0000:04:01.0 eth0: link up, 100Mbps, full-duplex, lpa
0x45E1
[ 76.464601] random: crng init done
[ 76.464605] random: 7 urandom warning(s) missed due to ratelimiting

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