

[lkm] [2026] [Feb] [8] [last100] **RSS**

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From Linus Torvalds <>
Date Sun, 8 Feb 2026 13:17:32 -0800
Subject Linux 6.19

No big surprises anywhere last week, so 6.19 is out as expected - just as the US prepares to come to a complete standstill later today watching the latest batch of televised commercials. The betting man would expect them all to be AI-generated, but maybe some enterprising company decides to buck the trend? Doubtful, but there's always a slight chance.

But for anybody outside the US, maybe taking the newest kernel out for a spin instead is an option?

I have more than three dozen pull requests for when the merge window opens tomorrow - thank you to all the early maintainers. And as people have mostly figured out, I'm getting to the point where I'm being confused by large numbers (almost running out of fingers and toes again), so the next kernel is going to be called 7.0.

But today, the big news is 6.19. And some random sporting event.

Linus

- Aaron Ma (1):
ice: Fix PTP NULL pointer dereference during VSI rebuild
- Al Viro (2):
rust_binderfs: fix a dentry leak
functions: use spinlock for FFS_DEACTIVATED/FFS_CLOSING transitions
- Alban Bedel (1):
gpiolib: acpi: Fix gpio count with string references
- Alexander Mikhailitsyn (1):
mailmap: update Alexander Mikhailitsyn's emails
- Alexey Kardashevskiy (2):
crypto/ccp: Use PCI bridge defaults for IDE
crypto/ccp: Allow multiple streams on the same root bridge
- Alice Ryhl (2):
rust_binder: correctly handle FDA objects of length zero
rust_binder: add additional alignment checks
- Andrew Cooper (1):
x86/kfence: fix booting on 32bit non-PAE systems
- Andrew Fasano (1):
netfilter: nf_tables: fix inverted genmask check in
nft_map_catchall_activate()
- Andrii Nakryiko (1):
procfs: avoid fetching build ID while holding VMA lock
- Arnd Bergmann (1):
hwmon: (occ) Mark occ_init_attribute() as __printf
- Bard Liao (1):
ASoC: SOF: Intel: use hdev->info.link_mask directly
- Bert Karwatzki (1):
Revert "drm/amd: Check if ASPM is enabled from PCIe subsystem"
- Breno Baptista (1):
ALSA: hda/realtek: Enable headset mic for Acer Nitro 5
- Breno Leitao (6):
spi: tegra210-quad: Return IRQ_HANDLED when timeout already
processed transfer
spi: tegra210-quad: Move curr_xfer read inside spinlock
spi: tegra210-quad: Protect curr_xfer assignment in
tegra_qspi_setup_transfer_one
spi: tegra210-quad: Protect curr_xfer in tegra_qspi_combined_seq_xfer
spi: tegra210-quad: Protect curr_xfer clearing in
tegra_qspi_non_combined_seq_xfer
spi: tegra210-quad: Protect curr_xfer check in IRQ handler
- Carlos Llamas (4):
binder: fix UAF in binder_netlink_report()
binder: fix BR_FROZEN_REPLY error log
rust_binderfs: fix ida_alloc_max() upper bound
binderfs: fix ida_alloc_max() upper bound
- Charles Keepax (1):
ASoC: cs42l43: Correct handling of 3-pole jack load detection
- Chen Ni (2):
net: ethernet: adi: adin1110: Check return value of
devm_gpiod_get_optional() in adin1110_check_spi()
gpio: loongson-64bit: Fix incorrect NULL check after devm_kcalloc()
- Chen Ridong (3):
cgroup/dmem: fix NULL pointer dereference when setting max
cgroup/dmem: avoid rcu warning when unregister region
cgroup/dmem: avoid pool UAF
- ChenXiaoSong (2):
smb/client: fix memory leak in smb2_open_file()
smb/client: fix memory leak in SendReceive()
- Chris Bainbridge (1):
ASoC: amd: fix memory leak in acp3x pdm dma ops
- Christian Marangi (1):
soc: qcom: smem: fix qcom_smem_is_available and check if __smem is valid
- Claudiu Manoil (4):
net: enetc: Remove SI/BDR cacheability AXI settings for ENETC v4
net: enetc: Remove CBDR cacheability AXI settings for ENETC v4
net: enetc: Convert 16-bit register writes to 32-bit for ENETC v4
net: enetc: Convert 16-bit register reads to 32-bit for ENETC v4
- Dan Williams (1):
Revert "PCI/TSM: Report active IDE streams"
- Daniel Hodges (1):
tipc: use kfree_sensitive() for session key material
- Daniel Vogelbacher (1):
ceph: fix oops due to invalid pointer for kfree() in parse_longname()
- Daniele Ceraolo Spurio (1):
drm/xe/guc: Fix CFI violation in debugfs access.
- Dave Airlie (3):
nouveau/gsp: use rpc sequence numbers properly.
nouveau: add a third state to the fini handler.
nouveau/gsp: fix suspend/resume regression on r570 firmware
- David E. Box (1):
platform/x86/intel/vsec: Add Nova Lake PUNIT support
- Debarghya Kundu (1):
gve: Fix stats report corruption on queue count change
- Deepanshu Kartikey (1):
tracing/dma: Cap dma_map_sg tracepoint arrays to prevent buffer overflow
- Dirk Su (1):
ASoC: amd: yc: Add quirk for HP 200 G2a 16
- Eric Dumazet (4):
net: add skb_header_pointer_careful() helper
net/sched: cls_u32: use skb_header_pointer_careful()
macvlan: fix error recovery in macvlan_common_newlink()
net: add proper RCU protection to /proc/net/ptype
- Felix Gu (1):
spi: tegra: Fix a memory leak in tegra_slink_probe()
- Filipe Manana (1):
btrfs: raid56: fix memory leak of btrfs_raid_bio::stripe_uptodate_bitmap
- Frank Li (1):
ASoC: dt-bindings: ti,tlv320aic3x: Add compatible string ti,tlv320aic23
- Gabor Juhos (3):
pmdomain: qcom: rpmpd: fix off-by-one error in clamping to the
highest state
hwmon: (gpio-fan) Fix set_rpm() return value
hwmon: (gpio-fan) Allow to stop FANs when CONFIG_PM is disabled
- Grzegorz Nitka (1):
ice: fix missing TX timestamps interrupts on E825 devices
- Guodong Xu (1):
regulator: spacemit-p1: Fix n_voltages for BUCK and LDO regulators
- Hao Ge (1):
mm/slab: Add alloc_tagging_slab_free_hook for memcg_alloc_abort_single
- Harish Kasiviswanathan (1):
drm/amdgpu: Fix double deletion of validate_list
- Ilya Dryomov (1):
rbd: check for EOD after exclusive lock is ensured to be held
- Jacky Bai (1):
pmdomain: imx: gpcv2: Fix the imx8mm gpu hang due to wrong adb400 reset
- Jacob Keller (2):
ice: PTP: fix missing timestamps on E825 hardware
drm/mgag200: fix mgag200_bmc_stop_scanout()
- Jakub Kicinski (3):
MAINTAINERS: add an entry for PSP
net: don't touch dev->stats in BPF redirect paths
net: rss: fix reporting RXH_XFRM_NO_CHANGE as input_xfrm for contexts
- Jani Nikula (1):
Revert "drm/gma500: use drm_crtc_vblank_crtc()"
- Jens Axboe (3):
io_uring/fdinfo: kill unnecessary newline feed in CQE32 printing
io_uring/fdinfo: be a bit nicer when looping a lot of SQEs/CQEs
loop: revert exclusive opener loop status change
- Jiayuan Chen (1):
linkwatch: use __dev_put() in callers to prevent UAF
- John Ogness (1):
Revert "drm/nouveau/disp: Set drm_mode_config_funcs.atomic_(check|commit)"
- Jonas Ringeis (1):
platform/x86: lg-laptop: Recognize 2022-2025 models
- Josh Poimboeuf (4):
livepatch/klp-build: Require Clang assembler >= 20
objtool/klp: Fix symbol correlation for orphaned local symbols
objtool/klp: Fix unexported static call key access for manually
built livepatch modules
x86/vmware: Fix hypercall clobbers
- Junrui Luo (2):
dpaa2-switch: prevent ZERO_SIZE_PTR dereference when num_ifs is zero
dpaa2-switch: add bounds check for if_id in IRQ handler
- Kairui Song (1):
mm, shmem: prevent infinite loop on truncate race
- Karthik Poosa (1):
drm/xe/pm: Disable D3Cold for BMG only on specific platforms
- Kaushlendra Kumar (2):
platform/x86: intel_telemetry: Fix swapped arrays in PSS output
platform/x86: intel_telemetry: Fix PSS event register mask
- Keith Busch (1):
nvme-pci: handle changing device dma map requirements
- Kevin Hao (2):
net: cpsw_new: Execute ndo_set_rx_mode callback in a work queue
net: cpsw: Execute ndo_set_rx_mode callback in a work queue
- LI Qingyu (1):
i2c: imx: preserve error state in block data length handler
- Li Chen (1):
Documentation: document liveupdate cmdline parameter
- Li Ming (2):
PCI/IDE: Fix off by one error calculating VF RID range
PCI/IDE: Fix reading a wrong reg for unused sel stream initialization
- Linus Torvalds (1):
Linux 6.19
- Maciej Strozek (1):
ASoC: sof_sdw: Add a quirk for Lenovo laptop using sidecar amps
with cs42l43
- Marek Behún (1):
net: sfp: Fix quirk for Ubiquiti U-Fiber Instant SFP module
- Mario Limonciello (2):
platform/x86: hp-bioscfg: Skip empty attribute names
drm/amd: Set minimum version for set_hw_resource_1 on gfx11 to 0x52
- Max Yuan (1):
gve: Correct ethtool rx_dropped calculation
- Melissa Wen (3):
drm/amd/display: fix wrong color value mapping on MCM shaper LUT
drm/amd/display: extend delta clamping logic to CM3 LUT helper
drm/amd/display: remove assert around dpp_base replacement
- Miaohe Lin (1):
mm/memory-failure: reject unsupported non-folio compound page
- Miri Korenblit (2):
wifi: iwlwifi: mld: cancel mlo_scan_start_wk
wifi: iwlwifi: mvm: pause TCM on fast resume
- Mohammad Heib (2):
ice: drop udp_tunnel_get_rx_info() call from ndo_open()
i40e: drop udp_tunnel_get_rx_info() call from i40e_open()
- Paolo Abeni (2):
net: gro: fix outer network offset
selftest: net: add a test-case for encap segmentation after GRO
- Paul Moore (1):
lsm: preserve /proc/sys/vm/mmap_min_addr when !CONFIG_SECURITY
- Pavel Begunkov (2):
io_uring/zcrx: fix page array leak
io_uring/zcrx: fix rq flush locking
- Petr Pavlu (2):
livepatch: Fix having __klp_objects relics in non-livepatch modules
livepatch: Free klp_{object,func}_ext data after initialization
- Pratyush Yadav (Google) (1):
liveupdate: luo_file: do not clear serialized_data on unfreeze
- Rafael J. Wysocki (4):
platform/x86: panasonic-laptop: Fix sysfs group leak in error path
platform/x86: toshiba_haps: Fix memory leaks in add/remove routines
platform/x86: classmate-laptop: Add missing NULL pointer checks
hwmon: (acpi_power_meter) Fix deadlocks related to
acpi_power_meter_notify()
- Ricardo Neri (1):
platform/x86/intel/tpmi/plr: Make the file domain<n>/status writeable
- Richard Fitzgerald (1):
firmware: cs_dsp: rate-limit log messages in KUnit builds
- Russell King (Oracle) (1):
net: stmmac: fix stm32 (and potentially others) resume regression
- Sean Christopherson (4):
KVM: SVM: Check vCPU ID against max x2AVIC ID if and only if
x2AVIC is enabled
KVM: Don't clobber irqfd routing type when deassigning irqfd
KVM: x86: Assert that non-MSI doesn't have bypass vCPU when
deleting producer
KVM: x86: Explicitly configure supported XSS from {svm,vmx}_set_cpu_caps()
- Sergey Senozhatsky (1):
net: usb: x8152: fix resume reset deadlock
- Sergey Shtylyov (1):
ALSA: usb-audio: fix broken logic in snd_audigy2nx_led_update()
- Shankar Donthineni (1):
dma: contiguous: Check return value of dma_contiguous_reserve_area()
- Shawn Guo (1):
MAINTAINERS: Replace Shawn with Frank as i.MX platform maintainer
- Shengjiu Wang (1):
drm/bridge: imx8mp-hdmi-pai: enable PM runtime
- Shigeru Yoshida (1):
ipv6: ECMP sibling count mismatch when clearing RTF_ADDRCONF
- Shuicheng Lin (4):
drm/xe/query: Fix topology query pointer advance
drm/xe: Fix kerneldoc for xe_migrate_exec_queue
drm/xe: Fix kerneldoc for xe_gt_tlb_inval_init_early
dim/xe: Fix kerneldoc for xe_tlb_inval_job_alloc_dep
- Shuming Fan (1):
ASoC: rt1320: fix intermittent no-sound issue
- Steven Rostedt (1):
tracing: Fix ftrace event field alignments
- Sudeep Holla (1):
MAINTAINERS: Change Sudeep Holla's email address
- Tagir Garaev (1):
ASoC: Intel: sof_es8336: Add DMI quirk for Huawei BOD-WX9
- Takashi Iwai (1):
ALSA: aloop: Fix racy access at PCM trigger
- Tejun Heo (1):
sched_ext: Short-circuit sched_class operations on dead tasks
- Thomas Gleixner (4):
sched/mmcid: Prevent live lock on task to CPU mode transition
sched/mmcid: Protect transition on weakly ordered systems
sched/mmcid: Drop per CPU CID immediately when switching to per task mode
sched/mmcid: Optimize transitional CIDs when scheduling out
- Thomas Weissschuh (1):
ARM: 9468/1: fix memset64() on big-endian
- Thomas Weißschuh (1):
coco/tsm: Remove unused variable tsm_rwsem
- Tomas Hlavacek (1):
net: spacemit: k1-emac: fix jumbo frame support
- Viacheslav Dubeyko (1):
ceph: fix NULL pointer dereference in ceph_mds_auth_match()
- Viktor Klemm (1):
iommu/vt-d: Treat PAGE_SNOOP and PWSNP separately
- Vishwaroop A (1):
spi: tegra114: Preserve SPI mode bits in def_command1_reg
- Xu Yang (3):
pmdomain: imx8m-blk-ctrl: fix out-of-range access of bc->domains
pmdomain: imx8mp-blk-ctrl: Keep gpc power domain on for system wakeup
pmdomain: imx8mp-blk-ctrl: Keep usb phy power domain on for system wakeup
- YunJe Shin (1):
nvmet-tcp: add bounds checks in nvmet_tcp_build_pdu_iovec
- Yushan Wang (1):
MAINTAINERS: Add myself as maintainer of hisi_soc_hha
- Zhiqian Li (1):
KVM: selftests: Add -U_FORTIFY_SOURCE to avoid some
unpredictable test failures
- Zilin Guan (3):
net: liquidio: Initialize netdev pointer before queue setup
net: liquidio: Fix off-by-one error in PF setup_nic_devices() cleanup
net: liquidio: Fix off-by-one error in VF setup_nic_devices() cleanup
- Ziyi Guo (1):
ASoC: fsl_xcvr: fix missing lock in fsl_xcvr_mode_put()
- gongqi (1):
platform/x86/amd/pmc: Add quirk for MECHREVO Wujie 15X Pro
- leobannocloudier@gmail.com (1):
hwmon: (dell-smm) Add Dell G15 5510 to fan control whitelist