Linux Plumbers Conference 2024

Wednesday 18 September 2024

LPC Refereed Track - **"Hall L2/L3" (10:00 - 18:30)**

time	[id] title	presenter
10:00	[152] Maintaining A Stable Real-time Kernel Patchset	SALISBURY, Joseph
10:45	[68] Program verification for the Linux kernel: Potential costs and benefits	LAWALL, Julia
11:30	Break	
12:00	[188] Auto-detecting sleeping lock calls in non-preemptible context via static analysis	GLOZAR, Tomas
12:45	[73] Data Placement at Scale: Landscape, Trade-Offs, and Direction	GONZALEZ, Javier
13:30	Lunch	
15:00	[100] Userspace memory persistence over kexec	YADAV, Pratyush
15:45	[154] ACPI fast handover for kexec live-update	ZHENG, Fam
16:30	Break	
17:00	[170] A little GitLab won't hurt you	KOIKE, Helen KONDRASHOV, Nikolai DA APARECIDA, Tales
17:45	[88] Hazard pointers in Linux kernel	FENG, Boqun UPADHYAY, Neeraj MCKENNEY, Paul

Thursday 19 September 2024

<u>**LPC Refereed Track**</u> **- "Hall L2/L3" (10:00 - 19:15)**

time	[id] title	presenter
10:00	[193] Enhancing spatial safety: Fixing thousands of -Wflex-array-member-not-at-end warnings	R. SILVA, Gustavo A.
10:45	[109] Making Linux Fly: Towards a Certified Linux Kernel	ZHANG, Wentao REN, Tingxu JIA, Jinghao MARINOV, Darko XU, Tianyin
11:30	Break	
12:00	[128] Meet the new KernelCI	ZICKUS, Don PADOVAN, Gustavo
12:45	[126] BASIL The FuSa Spice to spot gaps in kernel testing and more.	PELLECCHIA, Luigi
13:30	Lunch	
15:00	[19] Addressing Duplicated Symbol Names in kallsyms: Introducing kas_alias for Symbol Differentiation	CARMINATI, Alessandro
15:45	[149] More Bang for Your Bug!	VELA NAVA, Eduardo MEYER, Space
16:30	Break	
17:00	[184] fw_devlink: Device dependency tracking: Status, TODOs and how to leverage it	KANNAN, Saravana
17:45	[192] Enhancing Trust: The Evolution of Trusted Keys in the Linux Kernel	N, Parthiban
18:30	[338] Celebration of Life: Daniel Bristot de Oliveira	LELLI, Juri ZIJLSTRA, Peter ROSTEDT, Steven GLEIXNER, Thomas

Friday 20 September 2024

LPC Refereed Track - **"Hall L2/L3" (10:00 - 18:30)**

time	[id] title	presenter
10:00	[181] Waste-Free Per-CPU Userspace Memory Allocation	DESNOYERS, Mathieu
10:45	[102] Introduce LUF(Lazy Unmap Flush) mechanism	PARK, Byungchul
11:30	Break	
12:00	[64] Unfolding the mystery of automotive audio applications for "not" using Zephyr and RT Linux	SYED MOHAMMED, Khasim
12:45	[144] Fanotify - Linux filesystem notification subsystem	KARA, Jan
13:30	Lunch	
15:00	[99] Paravirt scheduling with eBPF	FERNANDES, Joel Mr REMANAN PILLAI, Vineeth
15:45	[14] Title: Multi-sized THP performance benchmarks and analysis on ARM64	SINGLA, Olivier SHI, Yang
16:30	Break	
17:00	[159] Firmware-Assisted Dump, a kdump alternative to kernel dump capturing mechanism	BATHINI, Hari
17:45	[4] Crafting a Linux kernel scheduler that runs in user-space using Rust	RIGHI, Andrea