

Linux Plumbers Conference 2024

Thursday, 19 September 2024

eBPF Track - "Hall N1" (10:00 - 18:30)

time	[id] title	presenter
10:00	[404] The State of eBPF Fuzzing	CHAIGNON, Paul
10:30	[394] Lessons from the Buzz	LOPEZ JAIMEZ, Juan Jose
11:00	[397] Improving eBPF Complexity with a Hardware-backed Isolation Environment	WANG, Zhe
11:30	Break	
12:00	[403] Agni: Fast Formal Verification of the Verifier's Range Analysis	CHAIGNON, Paul
12:30	[407] Lazy Abstraction Refinement with Proof for an Enhanced Verifier	SUN, Hao
13:00	[378] Making Sense of Tristate Numbers (tnum)	YU, Shung-Hsi
13:30	Lunch	
15:00	[405] Improving bpftrace reliability	XU, Daniel
15:30	[280] Modernizing bpftrace with libbpf	MALIK, Viktor
16:00	[383] Kernel func tracing in the face of compiler optimization	SONG, Yonghong MAGUIRE, Alan
16:30	Break	
17:00	[266] user-space only uprobes - could (a BPF-based) vDSO help?	MAGUIRE, Alan
17:30	[409] kfuncs for BPF LSM use cases	LIU, Song SINGH, KP BOBROWSKI, Matt
18:00	[284] Generating BPF infrared decoders using finite automations	YOUNG, Sean

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time	[id] title	presenter
10:00	[402] Flying the nest - a BPF port of Doom	KISS, Arpad
10:30	[399] KFlex: Fast, Flexible, and Practical Kernel Extensions	DWIVEDI, Kumar Kartikeya
11:00	[381] BPF: indirect jumps	PROTOPOPOV, Anton
11:30	Break	
12:00	[53] BPF Instruction-Level Memory Model Progress	MCKENNEY, Paul MOHAN, Puranjay
12:30	[374] Mitigating Spectre-PHT using Speculation Barriers in Linux eBPF	GERHORST, Luis
13:00	[401] Towards Programmable Memory Management with eBPF	SKARLATOS, Dimitrios
13:30	Lunch	
15:00	[389] pwru - Linux kernel and BPF-based networking debugger	LIANG, Gray PUMPUTIS, Martynas
15:30	[393] Marking Packets With Rich Metadata	FABRE, Arthur SITNICKI, Jakub
16:00	[400] eBPF-specialized Kernel for I/O Intensive Applications	DWIVEDI, Kumar Kartikeya
16:30	Break	
17:00	[319] Checkpoint/Restore In eBPF (CRIB)	DENG, Juntong
17:30	[366] HID-BPF in the kernel, 2 years later	TISSOIRES, Benjamin
18:00	[350] hello-ebpf: Writing eBPF programs directly in Java	BECHBERGER, Johannes