Linux Plumbers Conference 2023

Monday, 13 November 2023

eBPF & Networking - "James River Salon C" (09:25 - 18:15)

time	[id] title	presenter
09:25	[330] Opening session	BORKMANN, Daniel KICINSKI, Jakub
09:30	[89] Evolving the BPF Type Format	MAGUIRE, Alan
10:00	[247] Exceptions in BPF	DWIVEDI, Kumar Kartikeya
10:30	[298] When BPF programs need to die : exploring the design space for early BPF termination	WILLIAMS, Dan SAHU, Raj
11:00	Break	
11:30	[285] Verifying the Verifier: eBPF Range Analysis Verification	VISHWANATHAN, Harishankar
12:00	[254] BPF Memory Model, Two Years On	MCKENNEY, Paul
12:30	[293] Overflowing the kernel stack with BPF	WILLIAMS, Dan SOMARAJU, Sai Roop CHINTAMANENI, Siddharth
13:00	Lunch	
14:30	[249] BPF for Security and LSM updates	SINGH, KP
15:00	[263] BPF_LSM + fsverity for Binary Authorization	LIU, Song BURKOV, Boris
15:30	[193] Sysarmor: Meta's eBPF Security Detection and Enforcement Tool	WISEHART, Liam GNANASHANMUGAM, Shankaran
16:00	Break	
16:30	[184] Extending Non-Repudiable Logs with eBPF	BLANCHARD, Avery ALMASI, George
17:00	[287] Advancing Kernel Control Flow Integrity with eBPF	JIA, Jinghao
17:30	[284] Modernizing Android BPF and the Android Security Model	KAPRON, Neill
18:00	[334] Buzzing Across Space: The Illustrated Children's Guide to eBPF	MONNET, Quentin

Tuesday, 14 November 2023

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time	[id] title	presenter
09:00	[326] bpftime: Fast uprobes with user space BPF runtime	ZHENG, Yusheng
09:30	[124] Make ftrace_regs a common trace interface for function entry/exit tracing	HIRAMATSU, Masami
10:00	[240] Where have all the kprobes gone	OLSA, Jiri
10:30	[295] xprobes: Hybrid User/Kernel eBPF Probes for Cross-Layer Observability	CASTANHEIRA, Lucas
11:00	Break	
11:30	[308] BPF programmable netdevice	BORKMANN, Daniel
12:00	[302] Application network security and observability in an encrypted future	FASTABEND, John
12:30	[305] Safe sharing of the network with eBPF	MADHAVAN, Balasubramanian GUPTA, Prankur
13:00	Lunch	
14:30	[265] BPF struct_ops - current status and the last developments	LEE, Kui-Feng
15:00	[255] BPF Static Keys	PROTOPOPOV, Anton
15:30	[306] Troubles and Tidbits from Datadog's eBPF journey	FOURNIER, Guillaume MALLA, Hemanth
16:00	Break	
16:30	[140] eBPF Shenanigans with Flux	RHODEN, Barret
17:00	[296] Developing Continuous eBPF Profiler to look Beneath the Kernel to Beyond the Clouds	PRIYADARSINI, Sumera
17:30	[303] Towards a standardized eBPF ISA - Conformance testing	JOWETT, Alan

Wednesday, 15 November 2023

eBPF & Networking - "James River Salon C" (09:30 - 18:00)

time	[id] title	presenter
09:30	[294] Zero Copy Receive using io_uring	WEI, David BEGUNKOV, Pavel
10:00	[128] Enhancing Homa Linux for Efficient RPC Transportation	Dr LU, Xiaochun ZHANG, Zijian
10:30	[264] An introduction to the DPLL subsystem	FEDORENKO, Vadim
11:00	Break	
11:30	[186] Unblocking the softirq lock for PREEMPT_RT	SIEWIOR, Sebastian
12:00	[288] Offloading QUIC Encryption to Enabled NICs	GOSPODAREK, Andy
12:30	[266] Extending AF_XDP with hardware metadata	FOMICHEV, Stanislav
13:00	Lunch	
14:30	[291] connect() - why you so slow?!	LAWLER, Frederick
15:00	[292] Container Networking: The Play of BPF and Network NS with different Virtual Devices	LAU, Martin CHAHANDE, Takshak
15:30	[297] Evolution of Direct Server Return (DSR) implementation for containerized applications	GUPTA, Lalit DUBOVITSKY, Pavel SHUKHAU, Raman
16:00	Break	
16:30	[327] SYN Proxy at Scale with BPF	IWASHIMA, Kuniyuki
17:00	[126] bpfilter: a BPF-based packet filtering framework	DESLANDES, Quentin
17:30	[270] Blinking Lights, getting it wrong again, again and again	LUNN, Andrew