



# Linux Plumbers Conference 2022

## Monday, 12 September 2022

### eBPF & Networking - "Pembroke" (10:00 - 18:30)

time	[id] title	presenter
10:00	[173] The journey of BPF from restricted C language towards extended and safe C.	STAROVOITOV, Alexei
10:30	[162] HID-BPF	TISSOIRES, Benjamin
11:00	[254] eBPF Kernel Scheduling with Ghost	RHODEN, Barret
11:30	Break	
12:00	[103] Tuning Linux TCP for data-center networks	CHENG, Yuchung
12:30	[160] Can the Linux networking stack be used with very high speed applications?	AHERN, David
13:00	[301] Overview of the BPF networking hooks and user experience in Meta	LAU, Martin
13:30	Lunch	
15:00	[188] BPF Signing and IMA integration	SINGH, KP
15:30	[290] Revisiting eBPF Seccomp Filters	JIA, Jinghao Prof. XU, Tianyin
16:00	[238] State of kprobes/trampolines batch attachment	OLSA, Jiri
16:30	Break	
17:00	[237] Developing eBPF profiler for polyglot cloud-native applications	THAKKAR, Vaishali HONDUVILLA COTO, Javier
17:30	[60] Performance insights into eBPF step by step	DOLGOV, Dmitrii

# Tuesday, 13 September 2022

## eBPF & Networking - "Pembroke" (10:00 - 18:30)

time	[id] title	presenter
10:00	[256] Machine readable description for netlink protocols (YAML?)	KICINSKI, Jakub
10:30	[296] Cilium's BPF kernel datapath revamped	BORKMANN, Daniel
11:00	[294] A BPF map for online packet classification	PROTOPOPOV, Anton
11:30	Break	
12:00	[303] How to share IPv4 addresses by partitioning the port space	SITNICKI, Jakub MAJKOWSKI, Marek
12:30	[302] Networking resource control with per-cgroup LSM	FOMICHEV, Stanislav
13:00	[305] eBPF Standardization	THALER, Dave
13:30	Lunch	
15:00	[288] Bringing packet queueing to XDP	HØILAND-JØRGENSEN, Toke
15:30	[239] XDP gaining access to NIC hardware hints via BTF	BROUER, Jesper Dangaard
16:00	[304] FW centric devices, NIC customization	MAHAMEED, Saeed BLOCH, Mark
16:30	Break	
17:00	[247] Socket termination for policy enforcement and load-balancing	GHAG, Aditi
17:30	[300] MPTCP: Extending kernel functionality with eBPF and Netlink	BAERTS, Matthieu
18:00	[308] Percpu hashtable traversal measurement study	VAZQUEZ, Brian

# Wednesday, 14 September 2022

## eBPF & Networking - "Meeting 9" (10:00 - 18:30)

time	[id] title	presenter
10:00	[307] Reusing the BPF CI	MONNET, Quentin
10:30	[289] Pressure feedback for LRU map types	STRINGER, Joe
11:00	[295] Closing the BPF map permission loophole	BAUER, Lorenz
11:30	Break	
12:00	[145] More CO-RE? Taming the effects of compiler optimizations on BPF tracing	MAGUIRE, Alan
12:30	[293] OPENED Tool for Managing eBPF Heterogeneity	Prof. BENSON, Theophilus Dr KODESWARAN, Palanivel Dr SEN, Sayandeep
13:00	[209] The revival of the learning-sync bridgeport flag	WINTER, Alexandra