

Linux Plumbers Conference 2021

Monday, September 20, 2021

BPF & Networking Summit - Networking and BPF Summit/Virtual-Room (6:40 AM - 11:00 AM)

time	[id] title	presenter
6:40 AM	[120] BPF & Networking Opening Session	BORKMANN, Daniel MILLER, David STAROVOITOV, Alexei NAKRYIKO, Andrii KICINSKI, Jakub DUMAZET, Eric
7:00 AM	[105] BPF tracing: exploring additional debugging capabilities	MAGUIRE, Alan
7:50 AM	[157] Use of eBPF in cpu scheduler	LUO, Hao RHODEN, Barret
8:40 AM	[136] Socket migration for SO_REUSEPORT	IWASHIMA, Kuniyuki
9:30 AM	[104] bpf: mass attachment of tracing probes	OLSA, Jiri
10:20 AM	[102] BPF Map Tracing: Hot Updates of Stateful Programs	BURTON, Joe

Tuesday, September 21, 2021

BPF & Networking Summit - Networking and BPF Summit/Virtual-Room (7:00 AM - 11:00 AM)

time	[id] title	presenter
7:00 AM	M127] Bringing TSO/GRO and Jumbo frames to XDP	CHAUDRON, Eelco HØILAND-JØRGENSEN, Toke BROUER, Jesper Dangaard BIANCONI, Lorenzo
7:50 AM	M140] Watching the super powers	FASTABEND, John
8:40 AM	M124] Improving the eBPF Developer Experience with Rust	TUCKER, Dave DECINA, Alessandro
9:30 AM	M18] Ahead-of-time compiled bpfttrace programs	XU, Daniel
10:20 AM	M142] DSA switches: domesticating a savage beast	OLTEAN, Vladimir

Wednesday, September 22, 2021

BPF & Networking Summit - Networking and BPF Summit/Virtual-Room (7:00 AM - 11:00 AM)

time	[id]	title	presenter
7:00 AM	[131]	Towards a BPF Memory Model	MCKENNEY, Paul
7:50 AM	[183]	Self-healing Networking with Flow Label	AZIMOV, Alexander
8:40 AM	[125]	Defragmenting the Loader Landscape	BECKERS, Timo BAUER, Lorenz
9:30 AM	[151]	BPF-datapath extensions for Kubernetes workloads	BORKMANN, Daniel PUMPUTIS, Martynas
10:20 AM	[130]	bpfilter - BPF based firewall	BANSHCHIKOV, Dmitrii

Thursday, September 23, 2021

BPF & Networking Summit - Networking and BPF Summit/Virtual-Room (7:00 AM - 11:00 AM)

time	[id] title	presenter
7:00 AM	[147] Dynamic Encapsulation Using eBPF	VAZQUEZ, Brian LI, Coco FOMICHEV, Stanislav DE BRUIJN, Willem
7:50 AM	[14] BPF user experience rough edges	SITNICKI, Jakub FABRE, Arthur
8:40 AM	[143] From XDP to Socket	PANT, Udip LAU, Martin
9:30 AM	[133] A proof-carrying approach to building correct and flexible BPF verifiers	NELSON, Luke WANG, Xi TORLAK, Emina
10:20 AM	[14] Pixie's eBPF Protocol Tracer	AZIZI, Omid ZHAO, Yaxiong CHENG, Ryan STEVENSON, John P ASGAR, Zain

Friday, September 24, 2021

BPF & Networking Summit - Networking and BPF Summit/Virtual-Room (7:00 AM - 11:00 AM)

time	[id] title	presenter
7:00 AM	[141] Towards truly portable eBPF	SHAKURY, Itay TINOCO, Rafael David
7:50 AM	[144] Automatically optimizing BPF programs using program synthesis	XU, Qiongwen WONG, Michael WAGLE, Tanvi NARAYANA, Srinivas SIVARAMAN, Anirudh
8:40 AM	[126] BPF security auditing at Google	JACKMAN, Brendan SINGH, KP
9:30 AM	[137] Translating IPv4 to IPv6 Without NAT	ANDERSON, Kyle LAKSHMINARAYAN, Keerti TIAGI, Alok
10:20 AM	[129] Untangling DSCP, TOS and ECN bits in the kernel	NAULT, Guillaume