

Session Program

Sep 9 - 11, 2019



Linux Plumbers Conference 2019

Networking Summit Track

Mon, September 9

10:00 AM

Networking Summit Track

Session | **Location:** Corinthia Hotel Lisbon, Floriana/room-I

10:00 - 10:45 AM **Linux Kernel VxLan with Multicast Routing for flood handling**

Speaker

Roopa Prabhu

Location

Corinthia Hotel Lisbon, Floriana/room-I

10:45 - 11:30 AM **BPF packet capture helpers, libbpf interfaces**

Speaker

Alan Maguire

Location

Corinthia Hotel Lisbon, Floriana/room-I

11:30 AM - 12:00 PM **Break**

12:00 - 12:45 PM **Multipath TCP Upstreaming**

Speakers

Mat Martineau, Matthieu Baerts

Location

Corinthia Hotel Lisbon, Floriana/room-I

12:45 - 1:30 PM **Programmable socket lookup with BPF**

Speakers

Jakub Sitnicki, Lorenz Bauer, Marek Majkowski

Location

Corinthia Hotel Lisbon, Floriana/room-I

1:30 - 3:00 PM **Lunch**

3:00 - 3:45 PM **XDP bulk packet processing**

Speaker

Maciej Fijałkowski

Location

Corinthia Hotel Lisbon, Floriana/room-I

3:45 - 4:30 PM

LAG and hardware offload to support RDMA and IO virtualized interfaces

Speakers

Mr Vivek Kashyap, Ms Anjali Singhai Jain, Dr Piotr Uminski

Location

Corinthia Hotel Lisbon, Floriana/room-I

4:30 - 5:00 PM **Break**

5:00 - 5:45 PM **netfilter hardware offloads**

Speaker

Mr Pablo Neira

Location

Corinthia Hotel Lisbon, Floriania/room-I

5:45 - 6:30 PM **SwitchDev offload optimizations**

Speaker

Mr Allan Nielsen

Location

Corinthia Hotel Lisbon, Floriania/room-I

6:30 PM

Tue, September 10

10:00 AM

Networking Summit Track

Session | **Location:** Corinthia Hotel Lisbon, Floriana/room-I

10:00 - 11:00 AM **XDP: the Distro View**

Speakers

Jiri Benc, Dr Toke Høiland-Jørgensen, Jesper Dangaard Brouer

Location

Corinthia Hotel Lisbon, Floriana/room-I

11:30 AM - 12:00 PM **Break**

12:00 - 12:45 PM **Life at a Networking Vendor -- Keeping up with the Joneses**

Speaker

Andy Gospodarek

Location

Corinthia Hotel Lisbon, Floriana/room-I

12:45 - 1:30 PM **Future ipv4 unicast extensions**

Speaker

Dr Dave Täht

Location

Corinthia Hotel Lisbon, Floriana/room-I

1:30 - 3:00 PM **Lunch**

3:00 - 3:45 PM **Making the Kubernetes Service Abstraction Scale using eBPF**

Speakers

Mr Borkmann Daniel, Mr Pumputis Martynas

Location

Corinthia Hotel Lisbon, Floriana/room-I

3:45 - 4:30 PM **Making Networking Queues a First Class Citizen in the Kernel**

Speakers

Magnus Karlsson, Björn Töpel, Jesper Dangaard Brouer, Toke Høiland-Jørgensen, Jakub Kicinski, Maxim Mikityanskiy

Location

Corinthia Hotel Lisbon, Floriana/room-I

4:30 - 5:00 PM **Break**

5:00 - 5:45 PM **Seamless transparent encryption with BPF and Cilium**

Speaker

Mr John Fastabend

Location

Corinthia Hotel Lisbon, Floriana/room-I

5:45 - 6:30 PM

Ethernet Cable Diagnostic using Netlink Ethtool API

Speaker

Andrew Lunn

Location

Corinthia Hotel Lisbon, Floriana/room-I

6:30 PM

Wed, September 11

10:00 AM

Networking Summit Track

Session | **Location:** Corinthia Hotel Lisbon, Floriania/room-I

10:00 - 10:45 AM **Scaling container policy management with kernel features**

Speaker

Joe Stringer

Location

Corinthia Hotel Lisbon, Floriania/room-I

10:45 - 11:30 AM **Traffic footprint characterization of workloads using BPF**

Speaker

Aditi Ghag

Location

Corinthia Hotel Lisbon, Floriania/room-I

11:30 AM - 12:00 PM **Floriana I**

12:00 - 12:45 PM **Improving Route Scalability with NextHop Objects**

Speaker

David Ahern

Location

Corinthia Hotel Lisbon, Floriania/room-I

12:45 - 1:30 PM **An Evaluation of Host Bandwidth Manager**

Speaker

Lawrence Brakmo

Location

Corinthia Hotel Lisbon, Floriania/room-I

1:30 - 3:00 PM **Lunch**

6:45 - 7:30 PM **Closing Plenary (Floriana I/II/III)**

Location

Corinthia Hotel Lisbon, Floriania/room-I

7:30 - 8:00 PM **Bus service for Evening Party**

Location

Corinthia Hotel Lisbon, Floriania/room-I

8:00 - 10:55 PM **Closing Party @ Centro Cultural de Belém (CCB)**

Location

Corinthia Hotel Lisbon, Floriania/room-I

10:55 - 11:00 PM **Last Bus service - 11PM**

11:05 PM

Location

Corinthia Hotel Lisbon, Floriania/room-l