Date: Tuesday, June 21
Time: 8:30 - 17:00

This event brought the DPDK.org and FD.io community together to deliver technical sessions on the application of the DPDK.org and Fd.io current and future deliverables to NFV use and more specifically to the OPNFV project.

8:30 – 9:00 Meet and Greet Coffee

9:00 – 10:00 Welcome and Introduction (Ed Warnicke – Cisco, Tim O'Driscoll – Intel, John DiGiglio – Intel)
This session will begin with an introduction to the DPDK/FD.io mini summit, including a review of the agenda and logistics. It will also include overviews of the DPDK and FD.io open source projects, showing their linkage to OPNFV.

10:00 – 10:30 Break/Networking

10:30 – 11:30 NFV Virtual Switching (Christopher Price – Ericsson, Thomas Herbert – Red Hat, Mark Gray – Intel)
Data plane and control plane key requirements to address the high performance, reliable, and scalable virtual switching needs within NFV Infrastructure. Review of current and planned functionality within the DPDK and FD.io projects coming together to build NFV ready virtual switching.

11:30 – 12:30 Lunch/Networking

12:30 – 13:30 SDN Controller/Orchestration/FastDataStacks (Joel Halpern – Ericsson, Frank Brockners – Cisco)
The role of Openstack and Opendaylight controller use-cases relevant to the deployment of NFV nodes using virtual network devices and associated topologies. Review of the OPNFV FastDataStacks project proposal, timeline, and components (Openstack, Opendaylight, and FD.io Vector Packet Processing integration).

13:30 – 14:30 Data Plane Acceleration (Lingli Deng – China Mobile, Keith Wiles – Intel)
The goal of the Data Plane Acceleration (DPACC) project is to specify a general framework for VNF data plane acceleration, including a common suite of abstract APIs at various OPNFV interfaces, to enable VNF portability and resource management across various SOCs and standard high volume server platforms. This session will review the requirements being defined by the DPACC project, and will describe the enhancements that have been made to the DPDK framework to satisfy those requirements.

14:30 – 15:00 Break/Networking

15:00 – 16:00 Service Assurance (Carlos Goncalves - NEC, Maryam Tahhan – Intel)
A key requirement for NFV solutions is to be able to provide Service Assurance, including the ability to measure and enforce traffic quality KPIs, as well as detecting and reporting any violations to higher level EMS/OSS systems. Within OPNFV, these needs are being addressed by the Software Fastpath Service Quality Metrics (SFSQM) project. This session will describe the requirements that have been identified within the SFSQM project, and the enhancements that have been made to the DPDK framework to support Service Assurance.

16:00 – 17:00 Roadmap/Feedback Discussion moderated by Christopher Donley - Huawei
Attendee participation expanding on the subject areas reviewed during the day as well as introducing other possible OPNFV project intersection points.