Networking Project
Welcome & Introduction

Scott Emery
Omar Baldonado
OCP Networking Project Leads
Our Sub-Projects

- ONIE - Curt Brune
- SAI/SONiC - Xin Liu
- ONL - Steve Noble
- OOM - Don Bollinger
- CBW - Rajat Ghai
- Interop - David Woolf

Thank You!
2017 Year in Review - thank you!

- **UNH 100G Plugfest**
- **August Engineering Workshop**
- **Contributions**
  - Cavium Wedge 100C
  - Edgecore AS7800-64X, ECW5211, ECW 5410, AS7300-54X
  - Facebook CWDM4-OCP, Wedge 100S
  - Alpha SNC-60x0-486F, STX-60x0-486F, SNX-61A0-486F, SNX-61A0-486T
  - Barefoot Wedge 100B
- **OCP Accepted**
  - Cavium Wedge 100C
  - Edgecore AS4610, AS5900-54
  - Facebook CWDM4-OCP, Wedge 100S
  - Nephos NPS4806
- **Lots of work in the sub-projects**
Show floor wi-fi - brought to you by CBW!

- Thanks to all the CBW participants
- Special thanks to Edgecore and Mojo Networks
- Looking forward to even more in 2018
Today’s Engineering Workshop

- Birds-of-a-feather (BoF) Sessions
  - 3-4 “Lightning” talks
    - 5-7 minutes each
    - 1-2 questions from audience
  - Discussion
    - Speakers come back up front
    - Open discussion
    - Everyone can/should be involved
    - Please use microphones
Today’s Engineering Workshop - PM

10:30 am: OCP Network Stack: Common Components for Three Very Different Use Cases
Rob Shinwood

10:30 am: SONIC Development and Deployment at Alibaba
Heiyoung Wanga

10:30 am: In-Band Network Telemetry - A Powerful Analytics Framework for Your Data Center
Roberto Mial

10:45 am: Programmable silicon use-cases in the disaggregated network
Arkady Shapiro

11:00 am: Switchgear Innovations using Programmable Hardware
Albert Fishman - Zubin Shah

11:15 am: Switch ASIC Programmability with SAI
Mulya Vodish

11:30 am: BoF Discussion - NW Demo & Telemetry BoF

1:30 pm: SAI Update and Looking Forward
Xin Liu - Guohuan Lu

1:30 pm: Accelerating Load Balancing Programs Using HW-based Hints in the eXpress Data Path
Neerau Parikh - Peter Wasilewicz

1:45 pm: Programmable silicon use-cases in the disaggregated network
Arkady Shapiro

1:45 pm: Managing optics using open standards software
Don Behringer

1:45 pm: 100G CWDM4-OCPP Update
Arun Chavanurty - Heidi Daniels - Vincent Zeng

1:45 pm: 400G CWDM4 optics for next generation data center networks
Scott Saville

2:00 pm: Failure Prevention Mechanism for Plugable Optical Interconnect at Facebook data centers
Arun Chavanurty - Vincent Zeng

2:00 pm: BoF Discussion - NW Optics

2:00 pm: BoF Discussion - NW Demo & Telemetry BoF

2:15 pm: BoF Discussion - NW SAI & Programmability

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