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
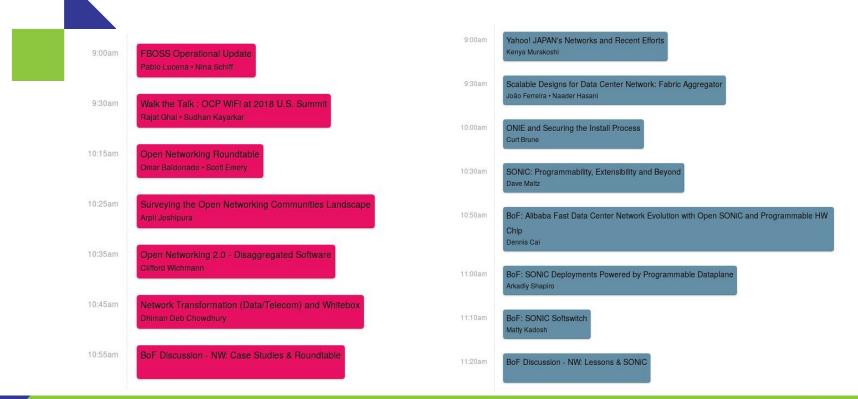
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Today's Engineering Workshop

- 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 - AM

Time	Session	Presenters
9:00am	FBOSS Operational Update	Pablo Lucena • Nina Schiff
9:30am	Walk the Talk : OCP WiFi at 2018 U.S. Summit	Rajat Ghai • Sudhan Kayarkar
10:15am	Open Networking Roundtable	Omar Baldonado • Scott Emery
10:25am	Surveying the Open Networking Communities Landscape	Arpit Joshipura
10:35am	Open Networking 2.0 - Disaggregated Software	Clifford Wichmann
10:45am	Network Transformation (Data/Telecom) and Whitebox	Dhiman Deb Chowdhury
10:55am	BoF Discussion - NW: Case Studies & Roundtable	

Time	Session	Presenters
9:00am	Yahoo! JAPAN's Networks and Recent Efforts	Kenya Murakoshi
9:30am	Scalable Designs for Data Center Network: Fabric Aggregator	João Ferreira • Naader Hasani
10:00am	ONIE and Securing the Install Process	Curt Brune
10:30am	SONiC: Programmability, Extensibility and Beyond	Dave Maltz
10:50am	BoF: Alibaba Fast Data Center Network Evolution with Open SONiC and Programmable HW Chip	Dennis Cai
11:00am	BoF: SONiC Deployments Powered by Programmable Dataplane	Arkadiy Shapiro
11:10am	BoF: SONIC Softswitch	Matty Kadosh
11:20am	BoF Discussion - NW: Lessons & SONiC	

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Today's Engineering Workshop - PM

1:00pm	**OCP Network Stack: Common Components for Three Very Different Use-Cases** Rob Sherwood
1:30pm	**SONiC Development and Deployment at Alibaba** Haiyong Wang
2:00pm	**InBand Network Telemetry - A Powerful Analytics Framework for Your Data Center** Roberto Mari
2:10pm	**An Evolution of Network Telemetry** Tal Mizrahi
2:20pm	**Network Telemetry and Analytics in the Age of Big Data** Raj Pathak
2:30pm	**BoF Discussion - NW: Demo & Telemetry BoF**

1:00pm	**SAI Update and Looking Forward** Xin Liu • Guohan Lu
1:20pm	**Accelerating Load Balancing Programs Using HW-based Hints in the eXpress Data Path** Neerav Parikh • Peter Waskiewicz
1:40pm	**Programmable Silicon Use-Cases in the Disaggregated Network** Arkadiy Shapiro
1:50pm	**Switchgear Innovations Using Programmable Hardware** Albert Fishman • Zubin Shah
2:00pm	**Switch ASIC Programmability with SAI** Matty Kadosh
2:10pm	**BoF Discussion - NW: SAI & Programmability**

1:00pm	**Open Optical Packet Transponder Leveraging OCP Networking Technology** Michael Long
1:30pm	**Managing Optics Using Open Standard Software** Don Bollinger
1:40pm	**100G CWDM4-OCP Update** Abhijit Chakravarty • Heidi Daniels • Vincent Zeng
1:50pm	**400G CWDM8 Optics for Next Generation Data Center Networks** Scott Schube
2:00pm	**Failure Prediction Mechanism for Pluggable Optical Interconnect at Facebook Data Centers** Abhijit Chakravarty • Vincent Zeng
2:10pm	**Own the Link -- Performance and Cost Optimization** Mike Connaughton
2:20pm	**BoF Discussion - NW: Optics**

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