

OCP Networking Project Monthly Meeting Minutes

Date: 2017-08-14

Attendees

- Full Name (Org)
- Omar Baldonado (Facebook)
- Jeff Catlin (Edgecore)
- Luis MartinGarcia (Facebook)
- David Woolf (UNH-IOL)
- Michael Siuda (Metaswitch)
- Curt Brune (Cumulus Networks)
- Xin Liu (Microsoft)
- Luke Williams (Canonical)
- Steve Noble (Big Switch)
- Mike Allen (DellEMC)
- Matt Bergeron (Ixia)
- Jack Kohn (Juniper Networks)
- Robert Chu (Alphanetworks)
- Menno Kortekaas (Circle B)
- Julius Mueller (AT&T Foundry)
- Arkadiy Shapiro, Prem Jonnalagadda (Barefoot Networks)
- Alik, Eduardo, Jim Waener, Jeff Tantsura, Menno B, Omar (Cisco), Peter Vinsel, Prem V, ...
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Agenda

- 00 - Welcome
- 03 - Status of submissions/recent IC votes
- 10 - Future presentations to the IC/checklists
- 25 - Prep for end of August workshop (Aug 29)
- 35 - project status

Notes/Announcements

- From last IC meeting and month:
 - Edgecore AS4610 and AS5900 have been accepted. There is still pending discussion on the wireless submissions from Edgecore.
 - We discussed the Agema submission at the last IC meeting
 - Cavium also presented the Wedge 100C
- Discussion on wireless submissions

- What do the OCP principles mean for APs? (efficiency, scale, openness, impact)
- This is similar to the universal CPE/access discussion happening in OCP Telco
- OCP Networking charter started out with data center - while we've been doing CBW for well over a year, we probably need to update the charter to reflect the expansion beyond data center.
- It's a good discussion happening at the IC, and these submissions have been helping push us to formalize CBW work.
- Still pending (either submission/checklist or IC review/vote):
 - Edgecore
 - 2016 wireless submission - pending IC discussion
 - Edgecore chassis - edgecore to pull together package for vote
 - Edgecore Cavium
 - 2017 AS7800-64X; AS7300-54X; 4x4 ECW 5410 Wifi AP; 2x2 ECW5211 Wifi AP - specs received/posted, need to review with community need design packages and checklists (in parallel) to get to IC presentation- next step - present to community (can do online), but Wifi can hold for larger discussion on Charter
 - Agema - just presented at august 10, 2017 IC meeting. next step is IC review/vote
 - Cavium - just presented at august 10, 2017 IC meeting. next step is IC review/vote
 - SK Telecom - still need to get checklist filled out for IC vote
 - Alpha Networks (4) - Mont Blanc; Lake Superior; Ironman Copper/Fiber - specs received/posted, need checklists (Robert to follow-up) before present to IC; to present next IC
 - Barefoot (2) - need to get package/checklist together for IC presentation; Prem confirmed would like to present next time
- What's required for an IC presentation/review/vote?
 - Next meeting is likely September 28/29 (right now is Sep 24)
 - This has changed from earlier years - checklist and package needs to be together ****before**** an IC presentation (before, it was just the spec).
 - Checklist - Bill Carter from OCP walked through this with us.

- Section A: license and membership requirements - members, contribution license agreements, license chosen ****AND**** reflected in spec and materials (shouldn't have confidential on them)
 - Section B: Project review - presented to project, orderable SKU within 4 months (if for a product)
 - Section C: OCP principles/tenets - efficiency, scale, openness, impact
 - Section D: Specification and Presentation uploaded for ICP
 - Section E: Design files - make sure has proper license, spec, references included
- In-person meeting - Tuesday, August 29 at Cumulus - Please register!
 - 10:00am to 6:00pm in Mountain View, CA.
 - Agenda so far:
 - FlexSwitch: An Update and Level Set by Amber Graner, SnapRoute
 - ONIE: Security with CBW Devices, by Curt Brune, Cumulus Networks and Rajat Ghai, Benu Networks
 - ONIE: Secure Boot for x86_64 devices, by Curt Brune, Cumulus Networks
 - OOM: A new pluggable module driver, by Don Bollinger, Finisar
 - SAI and SONIC: Moderator to be determined, Microsoft
 - In addition, there will be time for more informal, unscheduled discussions.
 - Lunch and a happy hour will also be provided.
 - Please visit the official registration page for more information and to sign up:
 - <https://www.eventbrite.com/e/ocp-networking-project-engineering-workshop-tickets-36798389975>
- Heads-up - September has a workshop - September 25 in Dallas
 - With DCD Colo + Cloud
 - <http://www.dcdconverged.com/conferences/colo-cloud>
- Project status (not including companies with submissions above)
 - ONIE (Curt)
 - 2017.08 release going out this week. It's HUGE.
 - <https://github.com/opencomputeproject/onie/releases/tag/2017.08>
 - - Over 15 new platforms
 - Updated documentation
 - Updated toolchain to GCC-6.3.0
 - Default Linux kernel 4.9.40
 - SAI (Xin)
 - SAI 1.2 released: <https://github.com/opencomputeproject/SAI/tree/v1.2>

- Now planning to 1.3 release (quarterly - happening in 3 months)
 - Increase in demand for understanding which ASIC implements which SAI features - Xin will be reaching out to ASIC vendors to generate a matrix to know the capabilities.
- SONIC (Xin)
 - Actively working on the next release. Adding Vlan Trunk, TACACS, IPv6 ACL, LACP Fallback, ConfigDB, BGP/Neighbor-down fib-accelerate, etc.
- FlexSwitch (Amber) - no update
- CBW (from Rajat - won't be able to make call):
 - CBW Linux kernel updated to LEDE
 - New DataCenter Wi-Fi uses cases discussed
 - Security / ONIE work definition started - to be discussed in the engineering workshop at the end of the month.
- Interop (David Woolf)
 - Event back in May - CWDM L1
 - Currently exploring Layer 2 + 3 interop procedures.
 - Still determining what the next event would be...
- ONL (Steven Noble)
 - Added Kernel 4.9 for vendors to start integration
 - Added HPE Switches - Altoline 6960, 6941 and 6921
 - More automation in testing HCL to contain versions tested
 - Start
- OOM (Steve from Finisar)
 - Prepping for workshop
 - Lots of questions over the last 4 months from the community.
 - Finding that there are still drivers out there that don't access QSFP module features - need a driver for this (Cumulus has one)
 - Workshop - point out what's missing...