OpenBMC – Project Update

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Agenda

- OpenBMC Overview
- Miscellany
- Release Content
  - OpenBMC 2.6
  - OpenBMC 2.7
- Community Forums
- Open Source Firmware Meetup
- Call to Action

A quick update of what happened in the OpenBMC community since OCP Global summit last year.

OpenBMC Overview

- Ancient History
  - https://f990335bdbb4aebc3131-b23f11c2c6da826ceb51b46551bfafdc.ssl.cf2.rackcdn.com/images/6b289067c77f7bbac31d67104326e6e270fd27aa.pdf
  - https://www.opencompute.org/files/OCP18-OpenBMC-State-of-Development.pdf
- Today
  - 21 CCLA signers, 3 ICLA signers
  - 22 meta layers, 116 subprojects, 144 contributors
- Tomorrow
  - Feature Parity, Homogeneity

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A quick OpenBMC primer.

The linked slides are worth a look for information about the birth of OpenBMC under TLF.

Here are a couple stats to give you a sense of the current levels of activity around the development of OpenBMC.

Finally, a couple of the longer term goals of the project.

Miscellany

- Code of Conduct
  - https://github.com/openbmc/docs/blob/master/code-of-conduct.md
- Security Mailing List: https://lists.ozlabs.org/listinfo/openbmc-security/
  - For reporting security issues. Complete procedure can be found at https://raw.githubusercontent.com/openbmc/docs/master/security/how-to-report-a-security-vulnerability.md

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New since the last summit:
- OpenBMC has a code of conduct.
- OpenBMC has a process for reporting security issues.

OpenBMC Releases

- Bi-Annual
- OpenBMC 2.6
  - Released February 2019
- OpenBMC 2.7
  - Coming August 2019
- OpenBMC 2.8
  - Propose content now for February 2020

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We agreed to biannual releases like Yocto, offset by a couple months.

Adopted same release numbering as Yocto (oops?)

We just had our first OpenBMC release (2.6) in February.

The next release will be 2.7 in August. Content planning is mostly wrapped up.

Please propose new content for the 2.8 release in February 2020.

OpenBMC 2.6

- Yocto 2.6, Linux 4.19
- KVM over IP, Remote Media, Inband Update, SNMP Traps, IPv6, SoL, KCS, PECI, IPMB, IPMI 2.0, Fan Control, LDAP, Certificate Management were all worked and in various states of incomplete in 2.6. YMMV.
  - Many impacted by legacy REST API → Redfish changeover
- Full Status
  - https://docs.google.com/spreadsheets/d/1lts-YX8J_AnS2dKfhW649OQHijz-JRiJWHTDpKY62Hk/edit#gid=0
- [*Any other 2.6 release content?*]

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Here is an overview of some of the content in the 2.6 release.
This was the first release, so there were some growing pains.

OpenBMC 2.6 (cont)

- Redfish
  - [*Add implemented Redfish Schema here*]

Redfish is exciting, so it gets its own slide.

OpenBMC 2.6 (cont)

- *[Add additional 2.6 content here]*

It seems like we should be able to come up with three slides devoted to OpenBMC 2.6 content.

OpenBMC 2.7

- Yocto 2.7, Linux 5.x?
- Incomplete functions from 2.6
- Full Status
  - https://docs.google.com/spreadsheets/d/1lts-YX8J_AnS2dKfhW649OQHijz-JRiJWHTDpKY62Hk/edit#gid=1546333640
- [*Fill in additional 2.7 roadmap items*]

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Here is the planned content for OpenBMC 2.7

OpenBMC 2.7 (cont)

- Redfish
  - ExternalAccountService
  - CertificateService
- MCTP
  - Protocol library
  - SMBUS binding
- PLDM
  - [*Add specific PLDM profiles here*]

[The 2.7 plan is pretty lacking...]

Community Forums

- Workgroups
  - Security – Every other Wednesday @ 12pm CT
  - Release Planning – Every other Monday @ 3pm CT
  - Test – Every other Thursday @ 10:30am CT
  - GUI Design 1st and 3rd Wednesdays @ 10am CT
  - Infrastructure – Every other Wednesday @ 3pm CT

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At the core an OSS community is really just the forums in which people collaborate.
Here are the currently active workgroups. They are open to anyone.

Community Forums (cont)

OpenBMC

- All Community Call – Mondays @ 10am CT
- IRC – freenode.net
  - #openbmc #openbmc-bot #openbmc-meeting
- Mailing List: https://lists.ozlabs.org/listinfo/openbmc/
- Wiki: https://github.com/openbmc/openbmc/wiki/
- Gerrit Code Review: https://gerrit.openbmc-project.xyz/
- Github Issue Tracker(s): https://github.com/openbmc/
- Website: https://www.openbmc.org/

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Here are some more forums in which OpenBMC
community members work together.

Open Source Firmware Meetup

- Right here at the OCP Global Summit
- 8am-5pm Thursday and Friday, here at the OCP Global Summit
- Marriott Salon V&VI
- Topics Include
  - Meetup topic #1
  - Meetup topic #2

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Call to Action

OpenBMC 2.8.
February 2020.

Release Planning: https://github.com/openbmc/openbmc/wiki/Release-Planning
OpenBMC Wiki: https://github.com/openbmc/openbmc/wiki
Mailing list: https://lists.ozlabs.org/listinfo/openbmc/
IRC: #openbmc (freenode.net)

2020 sounds like a long time but it will be here before we know it! Propose content for the OpenBMC 2.8 release today!