

OpenBMC and OCP collaboration

Ed Tanous

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Project®



Who am I?

Core maintainer of OpenBMC

Maintainer of bmcweb (OpenBMCs Redfish stack)



OpenBMC (evolution in 2022)

1000 stars on github

~500 users on discord (chat)

60 Companies contributing and have signed CLAs

100+ unique developers with patches merged to master in
Q4/21-Q1/22

Recently:

Have released 2.12



OpenBMC and OCP

- OpenBMC is used on or has been ported to a significant number of OCP platforms
 - Tioga Pass
 - Mt Olympus
 - Yosemite V3
- OpenBMC hosts one of the leading Redfish implementations (bmcweb)
- Supports and passes tests for the OCP base server profile*



OpenBMC and OCP FTI

- OpenBMC is working with OCP future technologies initiative
 - Integration with IMA
 - Making in-host-level diagnostics available from out of band
 - Process summaries
 - CPU usage
 - Audit logging
 - Hypervisor telemetry



OpenBMC and OCP HWFM subproject

- Hardware Fault Management Subproject
 - Integration with next generation CPU diagnostics and RAS
 - Standardization of APIs between implementations
 - In concert with DMTF
 - OpenBMC as a staging for new hardware support reference code



OpenBMC and DMTF

- Driving features into Redfish
 - Optimizations (extended query support)
 - New schemas (Cables, CableCollection, ect)
 - Working through extended modeling exercises
 - CXL, Complex PCIe topologies
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Next:

- Get involved!
- Individual and Company CLAs enable contributions to OpenBMC
- Work to define profiles for new manageability features
- Add passing reference code to OpenBMC
- Participate in OCP subgroups