OpenBMC and OCP collaboration

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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, etc)
  - Working through extended modeling exercises
    • CXL, Complex PCIe topologies
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