

Charter for OCP Hardware Management Project

Overview

The Hardware Management Project creates designs and specifications to enable interoperable manageability for Open Compute platforms. This project provides a common foundation from providing manageability for other Open Compute projects. Deliverables from this project will include:

- Baseline hardware manageability requirements
- Out-of-band manageability requirements
- Host interface requirements for in-band entities to access out-of-band manageability capabilities
- Rack management
 - Specification for the interface exposed by the rack manager to the rest of the datacenter
 - Requirements on the interface between the rack manager and the on-platform components
 - An open-source implementation of the rack manager controller software
- Conformance and interoperability requirements

In-Scope Activities

The Hardware Management Project will focus on the following

- Standard manageability interfaces
- Baseline manageability capabilities across the following Open Compute projects:
 - Compute
 - Storage
 - Networking
 - Telco
 - Data center facility
 - HPC
 - Rack and power
- Baseboard management controller (BMC) requirements
- Rack management controller specifications, requirements and reference implementations
- Interoperability and conformance to manageability specifications
- Provide guidance and feedback to other Open Compute projects extending the baseline manageability capabilities

Out-of-Scope Activities

The following areas will be out of scope for the Hardware Management Project

- Platform specific manageability capabilities
- Software or application management