2-7-14

Friday, February 7, 2014   12:59 PM

OCP MOBO

Mark Shaw; HW director at MSFT
-- goal is to drive consistency across vendors; high quality and ease of certification

Martin Goldstein, system architect at MSFT

Bob Ogrey, AMD
-- sits on incubation committee; informal co-chair with Matt.
-- need to discuss housekeeping and overall spec status

Erwin Centeno, Emulex corporation
-- Ethernet controller ASIC, card level work.
-- new to OCP, no submission yet.
-- designed cards that work in blade systems

Bill Carter, Intel
-- Data Center verticals
-- Systems architect, 25 years across desktop and servers
-- managed 4S server development for several years (HW/SW/Power/BIOS/ME)
-- involved in OCP 2 years ago; helped team co-author rack standard.
-- Intel liaison for work groups (silicon photonics design guide, TOR contribution)

Harry Li, Facebook
-- manage small team focused on compute server design
-- part of a larger HW design team
-- contributed server designs… freedom, windmill, 3rd generation
-- work on mezz card and micro-server interface as well.

Not attending:
Chris Peterson (works for Harry)
-- HW system engineer. Broad technical coverage; defined micro-server interface.
Fred Worley, Samsung
Gary Preston, Samsung

Asked by OCP to host session in Macao
-- public session agenda
-- user conference in Macao

Signed up to host workshops
-- long trip for international
-- ask if any workgroup has a need to meet
-- not all groups meet at every session
-- Goldman hosted session in NY
-- formally plan if there's need, otherwise decline.

Rack and server group signed up for Macao.
-- not a lot of synergy; Linux on ARM event.
San Diego later in the year aligned with Linux on ARM

Session in Taiwan as well.
-- Seattle, Bay Area, Taiwan would get good attendance

Charter Update
-- will send out early next week; update to include chassis.
-- may publish a "template" spec to clarify requirements

Compatibility Matrix -- talked with C&I chair / Taiwan lab
Mark -- provided a list of specs, trying to organize them.

OpenRack and OpenCloud and 19" non-Open Cloud
-- align on terms and names
Five tracks -- open cloud (MSFT), open rack (FB), microserver, legacy

Goal is for mezzanines to converge over time… separate track?
Q: What about hybrids like Hyve and Open Rack in 19" rails?
Moving more investments to 19" -- Hyve 1500, Intel Decathlete

Hyve 1500 and Quanta Universal Box HW spec are waiting for acceptance.
Also Quanta 2U 3.5" JBOD HW spec. Feedback given and ignored.
Chassis isolated from rack (given Hyve and Fidelity flex-rack options)

Bill Carter shared a "secret decoder ring" -- many boards were aimed at 19" racks.

Fidelity -- Open Bridge (?)
-- open question on when something is called OCP.
-- Original intent was OCP = branded/trademarked
-- that's the intent; at least one ODM violating intent today.
   -- storage solutions and others branded "OCP compliant".

Must be a service provider to be certified -- may include licensing fees
Intel is not a service provider; can't certify the design.

Reviewing Mark's spreadsheet…
Added certification and actively worked columns
Calxeda -- low quality submission; no defined interfaces.

Bob -- Hyve responded to questions, about to get voted on.
Quanta did not respond to change requests, not on track for approval.
Companies do not need to join the committee, but will be present at spec review.