

Server Firmware SIG

ServerReady SBBR-SBSA-SBMG

Server Firmware SiG

- Linaro in collaboration with the members have since 2012 focused engineering effort to enable Arm based server firmware in the Tianocore project. Stewardship of the Tianocore project is shared between Linaro, Intel, Red Hat and Apple.
- In collaboration with the Arm ServerReady program, Linaro established the Firmware SIG.
- Working in partnership with Arm, the open source engineering collaboration effort is focused on ongoing firmware activities such as UEFI and emerging new technologies to include CCIX and OpenBMC.

Who should participate in the SIG?

- Bios Vendors
 - AMI Bios, Byosoft, Phoenix, Insyde, others
- IP Block Vendors
 - Cadence, Synopsys, others
- ODM/OEM
 - Gigabyte, Quanta, Foxconn, Lenovo, Inspur, Dell, HPE, Inventec (known Arm manufactures)
- Ecosystem Partners
 - Open Compute Project
 - OS Vendors

LDCG Firmware Effort

Current Engineering Efforts

- Ongoing healthy and active engineering
- Team of 4.5 firmware developers
- Upstream maintainership of EDK2 and related Linux EFI subsystem
- Closely aligned to Arm ServerReady program

Technologies

- Tianocore UEFI
- Linux EFI subsystem
- Arm Trusted Firmware (for server)
- New - OpenBMC

Membership

Segment Group Members

- No cost to join SIG, if a LDCG Group/Club/Core member
- Contribute one member engineer

SIG membership (non-group members)

- Low SIG membership fee
- Contribute one member engineer FTE
- Options to staff by Linaro with a LDE (Linaro dedicated engineer)

Governance

- SIG Steering Committee
 - Owns project objectives, goals & roadmap
 - Linaro 1 vote
 - SIG Members 1 vote each
 - Can change the rules for the SIG
 - Reports progress to LDCG
- Engineering
 - Carried out by Linaro, SIG members and invited 3rd parties
 - Works in existing upstream projects by default
 - If new approved technology is needed, work in the open

Thank You