

Community activity (thank you!)

- Neil Armstrong / Nordic
 - PRs for Use PSA Crypto More epic mostly merged
 - PRs for PSA Long Term Secrets in review
- Archana Madhavan / SiLabs
 - PR for code-gen 1.1 (introduction of JSON driver tooling)
 - Update had a round of review

- Peter Spacek / SiLabs
 - Use PSA for hashing in TLS 1.3 assigned
- François Beerten / Silex
 - PSA driver support for entropy gathering progressing after review
- Various (Glen Strauss / lighttpd, IoTerop, ...)
 - Accessors for various fields made private in Mbed TLS 3.0 – issues, discussions & PRs
 - Lots of community involvement on this



Mbed TLS major activities within core team

- OpenCl
 - Some parts of CI now publicly visible more coming
- GitHub migration from ArmMbed to Mbed-TLS organization coming this week
 - Better reflect independence from Mbed OS projects / TF.org ownership
 - Easier management of GitHub (e.g., team members, CI bots, etc)
- TLS 1.3
 - Client side progress: version negotiation, Certificate
 Verify message
 - Will start server side functionality and PSK in Q2
 - Community help welcomed on these!
- 3.0 follow-up
 - Working on adding accessor functions for some things dropped from the public API in 3.0
 - Aim to cover most/all issues reported by community for Mbed TLS 3.2
 - Progressing rapidly

- Storage format stabilization
 - Testing & documentation to assure stable format for nonvolatile storage
- PSA Crypto
 - On-going collaboration including Arm, SiLabs, Nordic
- SHA-256 and SHA-512 performance
 - Optimisations for aarch64 crypto extensions SHA-256 around 7x perf uplift (merged)
 SHA-512 around 3.5x perf uplift in progress
- Review workload
 - Struggling for review bandwidth any assistance from the community is hugely valuable
 - Easing the general review load accelerates progress on work prioritized by the community

