

Recent community activity (thank you!)

- Glenn Strauss
 - Two X.509 code-size and memory-size PRs
 - Merged DN hints accessor for cert request
 - Merged PR inlining mbedtls_x509_dn_get_next
- EdDSA
 - Community contribution of SHA-3, SHAKE, CSHAKE, KMAC Ed25519 and Ed448 (legacy interface)
 - Started review of SHA-3 (legacy interface)
 - Other items will aim to progress as a background task during 2022
 - Merged bugfix for Curve448 order
- Misc
 - make dependency tidy-up
 - cmake improvement for IAR warnings

- François Beerten / Silex
 - PSA driver support for entropy gathering #5437
 - Design review complete
 - Updated following feedback ready for more review?
- Archana Madhavan / SiLabs
 - PR for code-gen 1.1 (introduction of JSON driver tooling) #5396
 - Going through cycle of review & updates, progressing towards resolution
- SecureMark-TLS / Cuno Pfister
 - PR opened to add support for Mbed TLS 3.1



Major activities within core team

- Mbed TLS 3.2 aiming for July 11
 - Working on merging last few items
 - Aim to address most 3.0 API issues reported by community
- Website offline
 - tls.mbed.org went down
 - Pointed at the new website, but old content is missing
 - We are working to restore most of the content very soon
- OpenCl
 - Running well, expect to fully transition to this soon
 - Windows coming very soon currently FreeBSD / Ubuntu
 - Please let us know your feedback
- TIS 1.3
 - Migrating to using PSA almost complete
 - Server side functionality complete
 - PSK started
 - Community help welcomed on these!

- Storage format stabilization complete
 - Testing & documentation to assure stable format for non-volatile storage
- PSA Crypto
 - On-going collaboration including Arm, SiLabs, Nordic
 - Use of accelerators for (almost) all crypto in X.509, TLS complete
 - Isolation of long-term secrets (e.g. PSK, private keys) almost complete
 - Planning Q3 work
 - Focus on code size via PSA CRYPTO CONFIG
 - Restartable signing API
 - PSA 1.1; misc. gaps; EC J-PAKE implementation
- 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

