

Recent community activity (thank you!)

+ Valerio Setti @Nordic

- merged: #7082 driver-only ECDSA: add ssl-opt.sh testing with testing parity
- merged: #8540 [G2] Make CCM and GCM work with the new block_cipher module
- merged: #8547 [G2] Make PSA-AEAD work with cipher-light
- #8449 Design discussion: add new symbol for PSA key enrollment functions
- #8521 [G4] Make CTR-DRBG fall back on PSA when AES not built in
- #8579 PK: clean up pkwrite
- #8590 pkcs[5/12]: use cipher enums for encrypt and decrypt

+ SiLabs

#8198 silabs-Kusumit - KDF incorrect initial capacity

+ Misc

- merged: #8546 BrianX7c [cipher.h] Arithmetic overflow in binary left shift operation
- merged: #5501 gstrauss Add mbedtls ssl ticket rotate() for ticket rotation
- merged: #8515 mschulz-at-hilscher Fix compiler error on gcc 4.5.2.
- #7214 DemiMarie asn1parse: Require minimal-length encodings of lengths
- #8321 irwir Restore Windows XP platform support
- #7977 ivq Fix doc on GCM API
- #7455 KloolK Comply with the received Record Size Limit extension
- #8481 michael2012z Remove transparent key check in psa_asymmetric_encrypt/decrypto()
- #8511 mschulz-at-hilscher Add benchmark for RSA 3072
- #8510 mschulz-at-hilscher Add LMS benchmark
- #8512 mschulz-at-hilscher Alternative Timing compatible benchmark.c
- #8513 mschulz-at-hilscher Explicitly accessing private fields in benchmark
- #8514 mschulz-at-hilscher Fix uninitialized variable warnings in ssl msg.c
- #8563 Oldes Fixed compilation for Haiku OS
- #7930 tomi-font Implement non-PSA pk_sign_ext()



Major activities within core team

https://github.com/orgs/Mbed-TLS/projects/1

- + TF-PSA-Crypto
 - https://github.com/Mbed-TLS/TF-PSA-Crypto
 - Currently, read-only preview
 - Will become upstream source for crypto in Mbed TLS
- + TLS 1.3 early data
 - In progress, continuing through Q1
- → Driver-only cipher & AEAD
 - AES, GCM, CCM, ChachaPoly
- + Thread-safe PSA
- + Accessors for MBEDTLS_PRIVATE fields
 - Continue into Q1

- + Planning Mbed TLS 4.0 end 2024?
 - PSA CRYPTO C / CLIENT always on
 - Consume TF-PSA-Crypto repository as source of PSA and crypto code
 - Remove some legacy interfaces & features
- + TF-PSA-Crypto productization
- + CI
 - Testing on Arm coming soon
- + Planning Mbed TLS 3.6 LTS Q1-Q2 2024
 - TLS 1.3 early data, record size limit
 - PSA multi-threading support
 - Accessor functions for fields made private in 3.0
 - Driver-only cipher and AEAD
 - Main focus for team in Q1

