

The background features a city skyline at the bottom, overlaid with a network diagram of nodes and lines. A large blue geometric shape, resembling a triangle, is positioned on the left side of the image.

arm

Mbed TLS Tech Forum

<https://github.com/Mbed-TLS>

Dave Rodgman

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Recent community activity (thank you!)

+ Read & write RFC8410 keys – Fortanix

- Algorithm Identifiers for Ed25519, Ed448, X25519, and X448 for Use in the Internet X.509 Public Key Infrastructure

+ X.509 size & perf improvements – Glenn Strauss

- x509_info
- mbedtls_x509_time

+ Support callbacks for parsing CRL critical extensions - Grégory Pinel

+ X.509 hostname verification – support IPAddress subject alternate names – Glenn Strauss

+ Misc

- IAR warning fixes
- X.509 serial handling fix

Major activities within core team

- + Mbed TLS 3.3 – released December 14
 - Also released Mbed TLS 2.28.2 LTS
 - Available on the [releases page](#)
 - Features include
 - + DTLS connection ID (support RFC 9146)
 - + LMS signature verification (LMS_SHA256_M32_H10)
 - + PSA support for EC J-PAKE
 - + Support for TLS 1.3 pre-shared keys & session-resumption
- + Code style
 - More standard code-style deployed, enforced by CI
 - Use [mbedtls-rewrite-branch-style](#) from [mbedtls-docs](#) to update in-flight PRs
- + Misc. OPC-UA PRs – various X.509 parsing & cert/CSR generation updates
- + PSA Crypto – prototyping move to separate repository
- + PKCS #7 review
 - Improvements on-going
- + Interruptible sign/verify hash
 - Implementation started, planned for early Q1
- + EC J-PAKE driver dispatch
- + CI
 - Reduced testing load – internal CI healthy
 - OpenCI functional, but experimenting to get best perf
 - Please let us know your feedback
- + 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