

rfc4210bis, rfc6712bis

draft-ietf-lamps-rfc4210bis-03

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draft-ietf-lamps-rfc6712bis-02

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Activities since IETF 114 on rfc4210bis

The following versions were provided since IETF 114

- -00 versions containing the original RFC text
- -01 versions merging the updates specified in CMP Updates
- -02 version containing the following changes:
 - Introduced the Key Generation Authority in new Section 3.1.1.4
 - Defined origPKIMessage in new Section 5.1.1.3 using content from Section 5.1.3.4
 - Removed listing of concrete algorithms and added reference to CMP Algorithms instead
 - Added references to Appendix D and E as well as the Lightweight CMP Profile for further information to message description in Section 5
 - Broaden the scope from human users also to devices and services
 - Updating reference from historic LDAP V2 to LDAP V3 (RFC4510)
- -03 version containing the following changes:
 - Updated definition on validity of „old with new“, „new with old“, and „new with new“ certificates in Section 4.4.1
 - Moved content from Appendix C to Sections 5.2.1, 5.2.8, and 5.2.8.1 where it belongs, updated references to Appendix C in the rest of the document and finally deleted Appendix C
 - Updated and added some Todos on defining POP and message protection using KEM keys to some sections

Proposal on supporting KEM keys

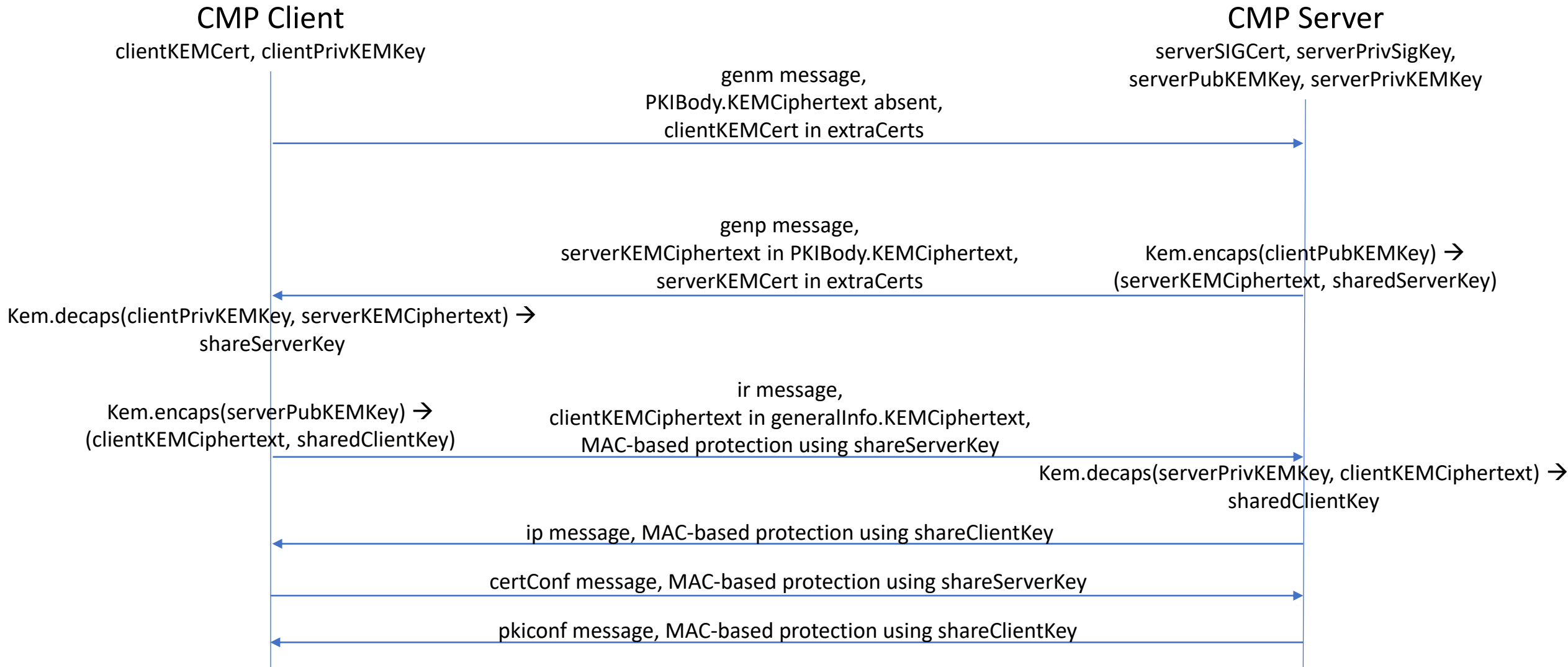
Proof-of-possession in certificate requests

- The authors will wait for a new I-D on POP for KEM keys.
- Currently an indirect POP could be used with certificate requests for KEM keys like for encryption-only keys. In CMP the newly issued certificate can be delivered in encrypted form and the recipient provides POP by sending a certHash in the CertConf message.

CMP message protection

- MAC-based message protection can be used at the cost of an additional roundtrip in advance to a PKI management operation establishing a authenticated shared key, see message flow on the next slide.

Client and server have KEM keys



Activities since IETF 114 on rfc6712bis

The following versions were provided since IETF 114

- -00 versions containing the original RFC text
- -01 versions merging the updates specified in CMP Updates
- -02 version containing the following changes:
 - Updated Section 3.4 including the requirement to add the content-length field into the HTTP header
 - Added a reference to TLS 1.3
 - Addressed idnits feedback, specifically changing RFC references:
RFC2616 -> RFC9112, RFC2818 -> RFC9110, and RFC5246 -> RFC8446