

Abbreviations
~X_1 = Request(Header(~M_7524,~M_7525,~M_7526,~M_7527,~M_7528),~M_7517,CoAP_Option_OSCORE_Option_context(~M_7521,~M_7522,~M_7523),payload_from_ciphertext(~M_7520)) = Request(Header(CoAP_versionOne,CoAP_nonConfirm,CoAP_tokenLength(token_6076),CoAP_GETCode,messageID_6077),token_6076,CoAP_Option_OSCORE_Option_context(partial_iv_6073,IDir_6070,idcontext_6072),payload_from_ciphertext(enc_COSE_ciphertext(derive_key_context(MasterSecret_6071,IDir_6070,default_aead_algorithm,idcontext_6072),aead_nonce(IDir_6070,derive_common_iv_context(MasterSecret_6071,idcontext_6072,default_aead_algorithm),partial_iv_6073)),(CoAP_POSTCode,payload_6078),AAD(encrypt0_context,encrypt0(oscore_version_one,default_aead_algorithm,IDir_6070,partial_iv_6073)))))
~X_2 = Request(Header(a_6062,a_6063,a_6064,a_6065,a_6066),a_6067,CoAP_Option_OSCORE_Option_context(~M_7521,~M_7522,~M_6988),payload_from_ciphertext(~M_7520)) = Request(Header(a_6062,a_6063,a_6064,a_6065,a_6066),a_6067,CoAP_Option_OSCORE_Option_context(partial_iv_6073,IDir_6070,idcontext_6072),payload_from_ciphertext(enc_COSE_ciphertext(derive_key_context(MasterSecret_6071,IDir_6070,default_aead_algorithm,idcontext_6072),aead_nonce(IDir_6070,derive_common_iv_context(MasterSecret_6071,idcontext_6072,default_aead_algorithm),partial_iv_6073)),(CoAP_POSTCode,payload_6078),AAD(encrypt0_context,encrypt0(oscore_version_one,default_aead_algorithm,IDir_6070,partial_iv_6073)))))
~X_3 = Request(Header(a_6062,a_6063,a_6064,a_6065,a_6066),a_6067,CoAP_Option_OSCORE_Option_context(~M_7521,~M_7522,~M_6988),payload_from_ciphertext(~M_7520)) = Request(Header(a_6062,a_6063,a_6064,a_6065,a_6066),a_6067,CoAP_Option_OSCORE_Option_context(partial_iv_6073,IDir_6070,idcontext_6072),payload_from_ciphertext(enc_COSE_ciphertext(derive_key_context(MasterSecret_6071,IDir_6070,default_aead_algorithm,idcontext_6072),aead_nonce(IDir_6070,derive_common_iv_context(MasterSecret_6071,idcontext_6072,default_aead_algorithm),partial_iv_6073)),(CoAP_POSTCode,payload_6078),AAD(encrypt0_context,encrypt0(oscore_version_one,default_aead_algorithm,IDir_6070,partial_iv_6073)))))
~X_4 = Request(Header(~M_9059,~M_9060,~M_9061,~M_9062,~M_9063),~M_9055,CoAP_Option_OSCORE_Option_empty,payload_from_ciphertext(~M_9058)) = Request(Header(CoAP_versionOne,CoAP_nonConfirm,CoAP_tokenLength(a_6067),CoAP_CHANGEDCode,responseMessageId_9050),a_6067,CoAP_Option_OSCORE_Option_empty,payload_from_ciphertext(enc_COSE_ciphertext(derive_key_context(MasterSecret_6071,IDri_6069,default_aead_algorithm,idcontext_6072),aead_nonce(IDir_6070,derive_common_iv_context(MasterSecret_6071,idcontext_6072,default_aead_algorithm),partial_iv_6073)),(generateResponseCode(CoAP_POSTCode,payload_6078),generateResponsePayload(CoAP_POSTCode,payload_6078)),AAD(encrypt0_context,encrypt0(oscore_version_one,default_aead_algorithm,IDri_6069,partial_iv_6073)))))

A trace has been found.

