

MAC - Message Authentication Code

Alice an Bob share a key k → HMAC - use a hash function on the message and the key $MAC_k(m) = H(k \parallel m)$









k MAC key



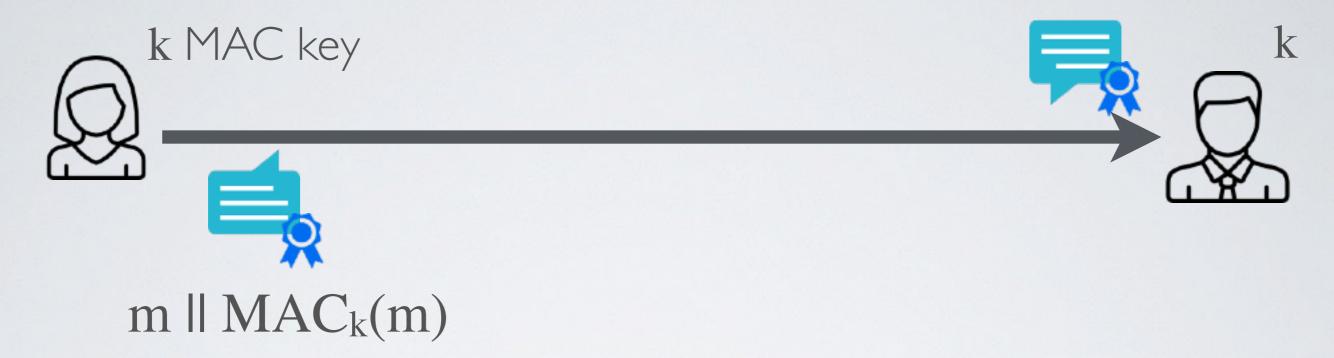








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Length extension attack

Vulnerable: MD5, SHA-1 and SHA-2 (but not SHA-3)