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defined in <u>RFC 4346</u> in Apr 2006, an update from TLS version 1.0.

- Added protection against <u>Cipher block chaining</u> (CBC) attacks.
- The implicit <u>Initialization Vector</u> (IV) replaced with an explicit IV.

## TLS 1.2 (SSL 3.3)

- defined in <u>RFC 5246</u> in Aug 2008, based on earlier TLS 1.1 spec. Major differences:
- The <u>MD5-SHA-1</u> combination in the <u>pseudorandom function</u> (PRF), in the Finished message hash, and in the digitally-signed element replaced with <u>SHA-256</u>, with option to use cipher-suite specified \*.

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