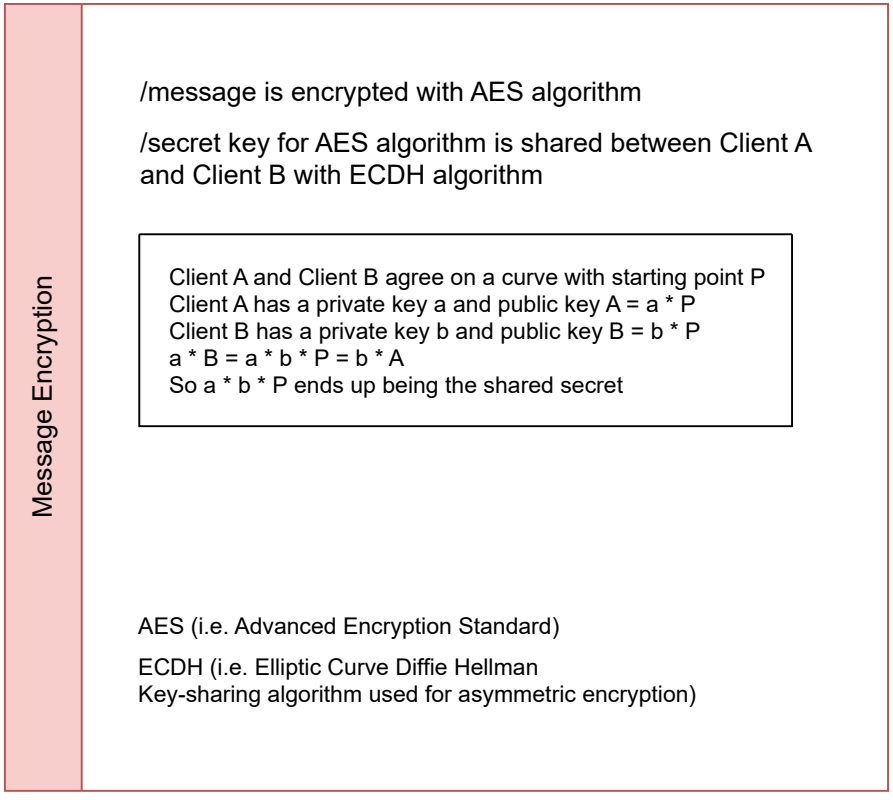
Message Encryption
/message is encrypted with AES algorithm
/secret key for AES algorithm is shared between Client A and Client B with ECDH algorithm
Client A and Client B agree on a curve with starting point P
Client A has a private key a and public key A = a * P
Client B has a private key b and public key B = b * P
a * B = a * b * P = b * A
So a * b * P ends up being the shared secret
AES (i.e. Advanced Encryption Standard)
ECDH (i.e. Elliptic Curve Diffie Hellman
Key-sharing algorithm used for asymmetric encryption)