Different methods to ensure secure communications between two parties.

Diffie Hellman Key exchange (For exchanging keys secretly)

* <https://en.wikipedia.org/wiki/Diffie%E2%80%93Hellman_key_exchange> (Wikipedia article on DHKE)
* <https://www.youtube.com/watch?v=NmM9HA2MQGI> (Computerphile video on DHKE)

End to End encryption (Meaning only the people sending and receiving the messages can read them)

* <https://searchsecurity.techtarget.com/definition/end-to-end-encryption-E2EE#:~:text=End%2Dto%2Dend%20encryption%20(E2EE)%20is%20a%20method,is%20able%20to%20decrypt%20it>. (Article describing E2EE)
* <https://www.youtube.com/watch?v=jkV1KEJGKRA> (Computerphile video on E2EE)

AES (Advanced Encryption Standard) Encryption (NSA standard encryption, plenty of implementations out there already to use.)

* <https://www.youtube.com/watch?v=O4xNJsjtN6E> (Computerphile video on AES)
* <https://en.wikipedia.org/wiki/Advanced_Encryption_Standard> (Wikipedia article on AES)
* <https://github.com/kokke/tiny-AES-C> (AES C implementation)

Signing Messages to prove it’s you. (Sign a message with a private key that can only be undone with your public key, this ensures that the message did come from who it says it has come from.)

* <https://www.tutorialspoint.com/cryptography/cryptography_digital_signatures.htm#:~:text=Digital%20signatures%20are%20the%20public,entity%20to%20the%20digital%20data>. (Tutorials point article on Digital Message Signing)
* <https://www.open.edu/openlearn/ocw/mod/oucontent/view.php?id=48322&section=3.2> (OpenEdu article on digital signing)