How HTTPS: WORKS ! SECURE

What

Data transfer between Client & Server is encrypted.





But without common encryption key, how data is encrypted ??

A Lets see how....

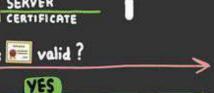
Server Certificate Check

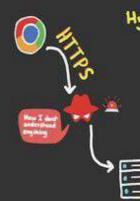




SERVER : HELLO

Is this 🔚 valid ?

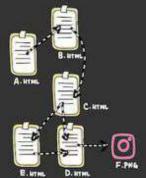




Certificate Certi fying Authority

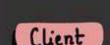


Hyper Text: A Document/text that Contains links to other text. Eq HTML Pages.



Encrypted Tunnel for data transmission











Creates a Session Key

I Know A, B, C, D cipher Suites

OK, Lets use "c" Cipher suite

Encrypt (using Server (C'Cipher Suite



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Decrypt using A At this point Server has 🚗



At this point Client and Server both have common Key, Also Known as .





Server