

TLS/SSL Handshake

 Client Public Key

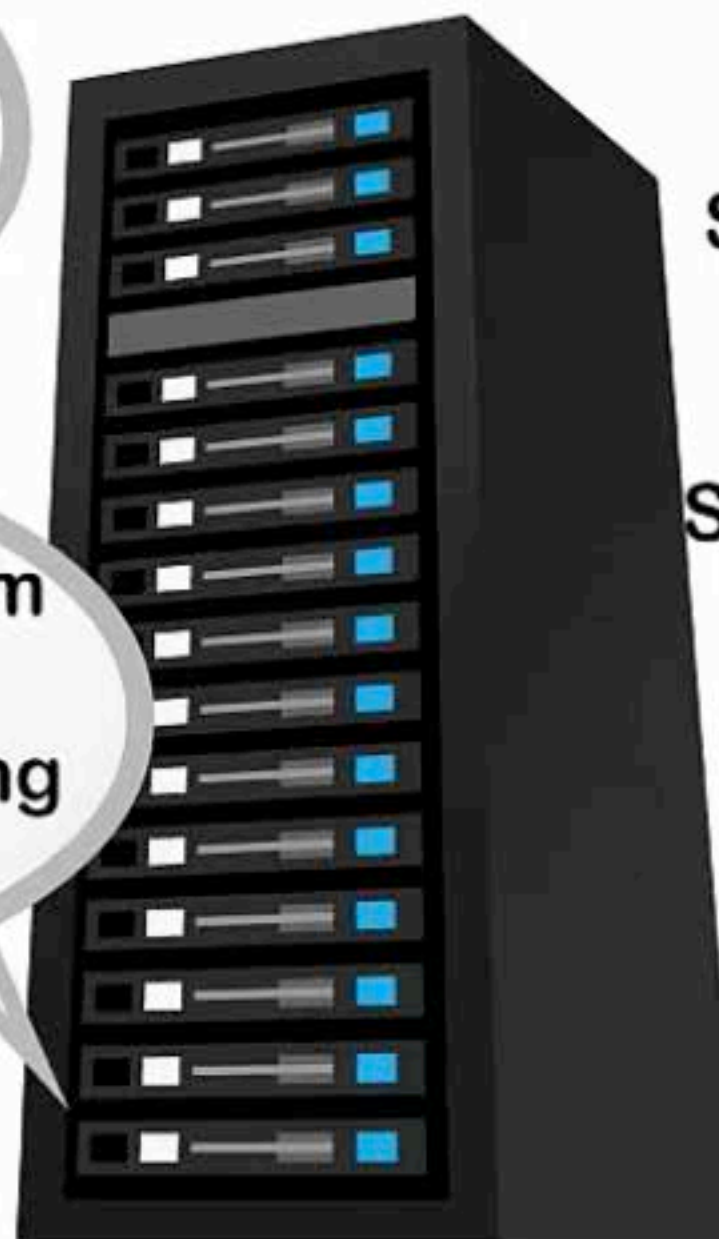
 Client Private Key





Tom a.k.a 'Client'

Hi!, I want to
access my Online
Bank Account

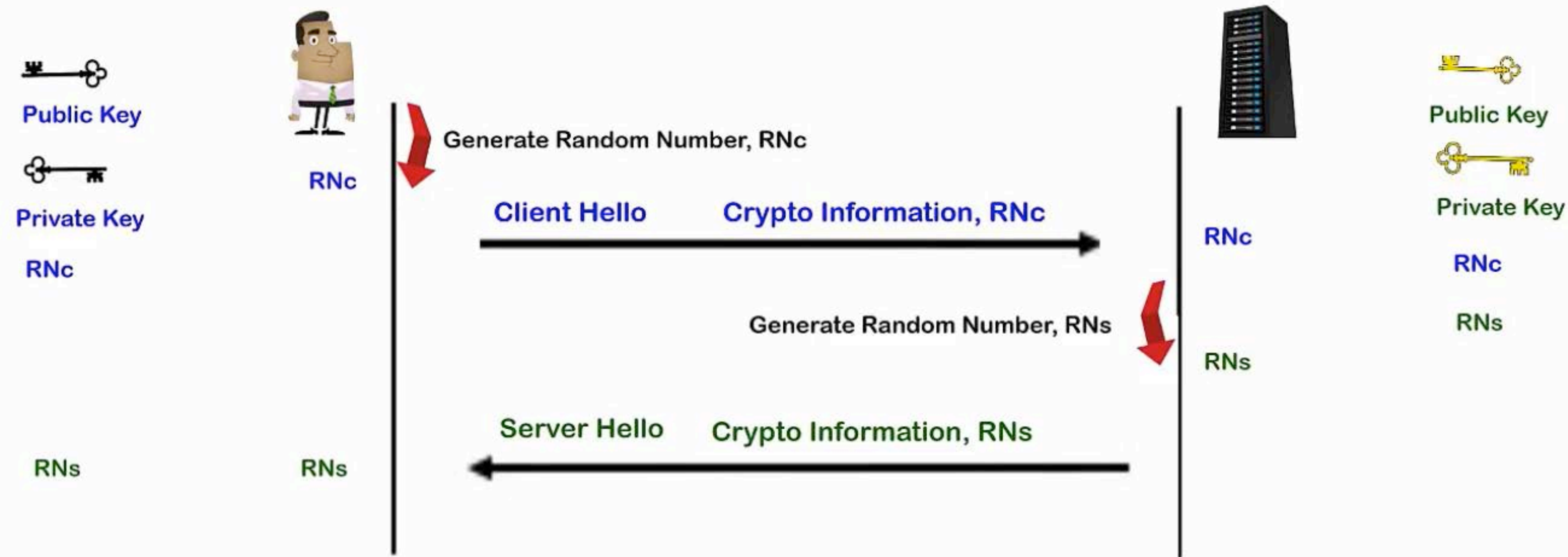
Let's first perform
Handshake &
decide Encrypting
Key



Bank Web Server a.k.a 'Server'

 Server Public Key
 Server Private Key

TLS/SSL Handshake



Phase 1 : Establishing Security Capabilities (Client-Server Hello)

TLS/SSL Handshake



Phase 2 : Server Authentication & Key Exchange

TLS/SSL Handshake



Phase 3 : Client Authentication & Key Exchange

TLS/SSL Handshake



Phase 4 : Key Generation

TLS/SSL Handshake

