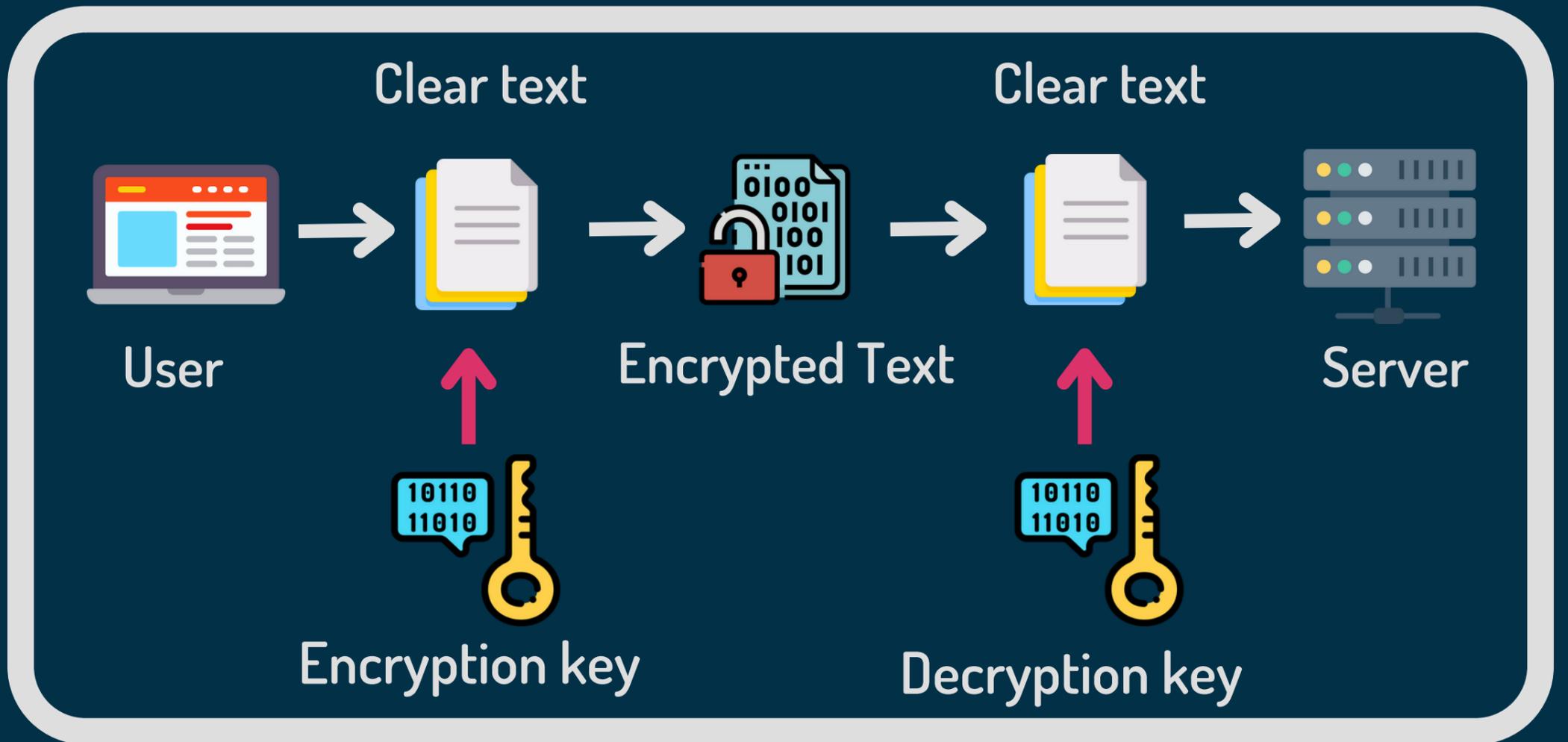


01 HTTPS



In Hyper Text Transfer Protocol, the web browser and the website's server use a **secret code** to scramble your communication so that no one else can **understand** it

02

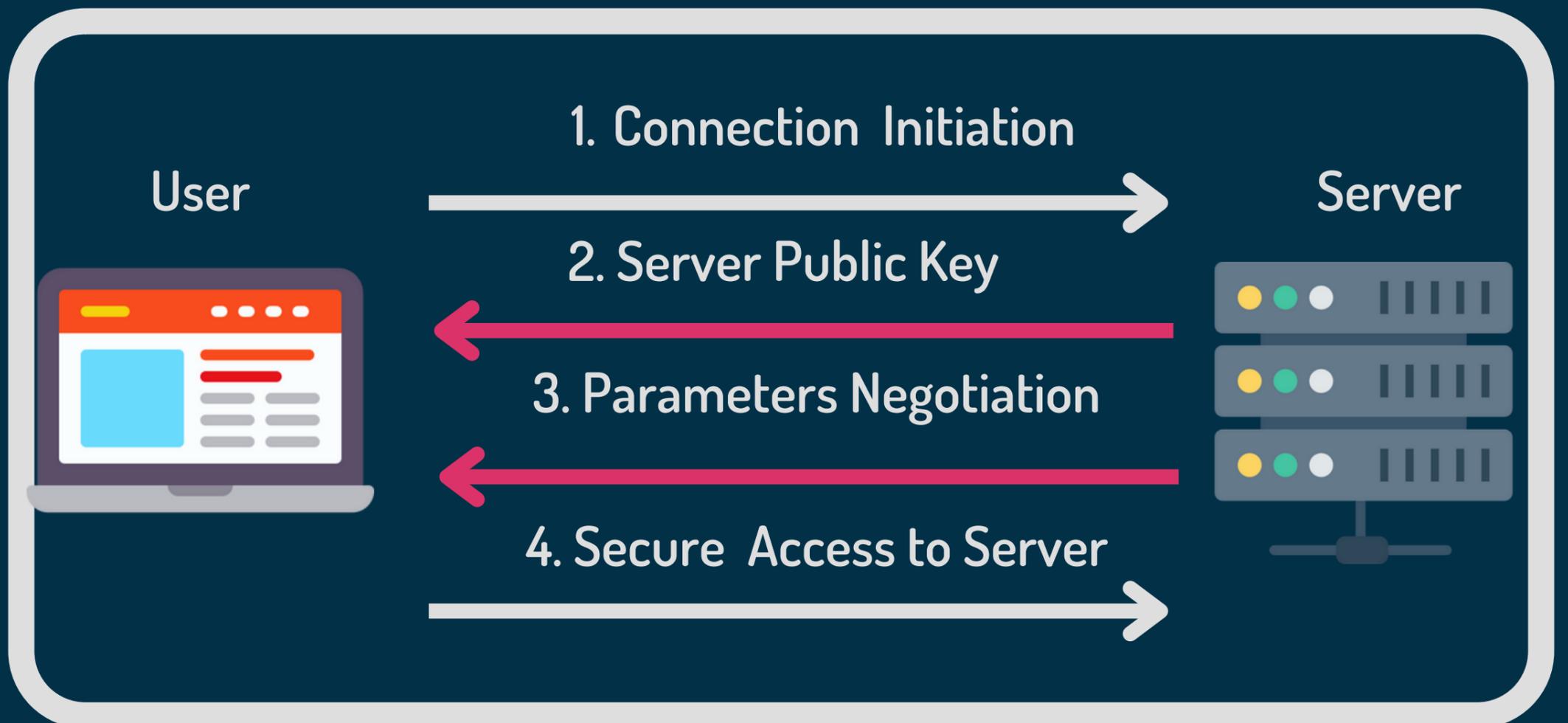
TLS



TLS works by encrypting the data that is exchanged between a server and a client. TLS is like a **locked box** that keeps your **message** safe as it travels across the Internet

03

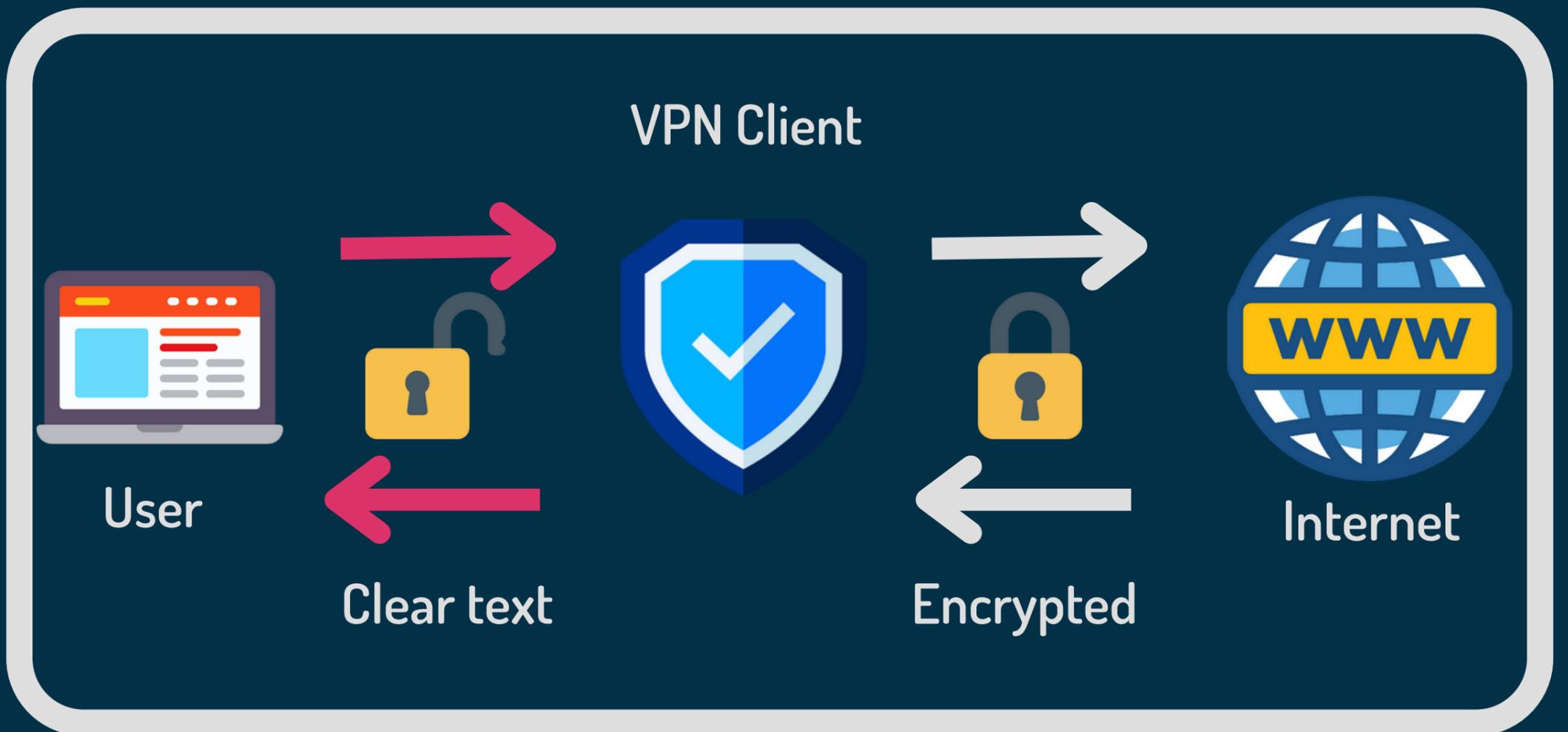
SSH



Imagine you have a Locker at school, **SSH** is like a special combination lock that only you know. When you use SSH, you can **securely** access your locker from anywhere, even if you're not **physically** at school

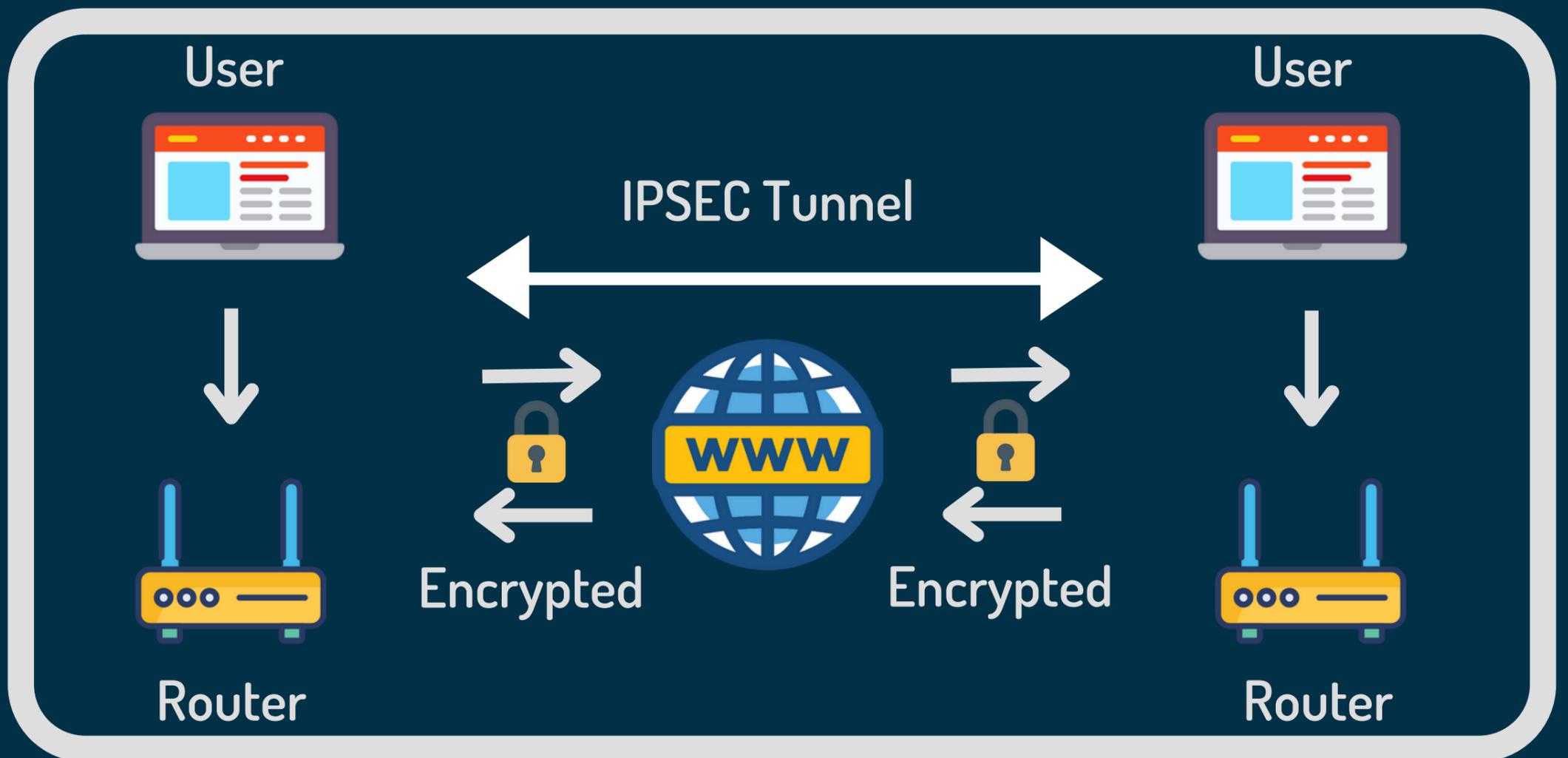
04

VPN



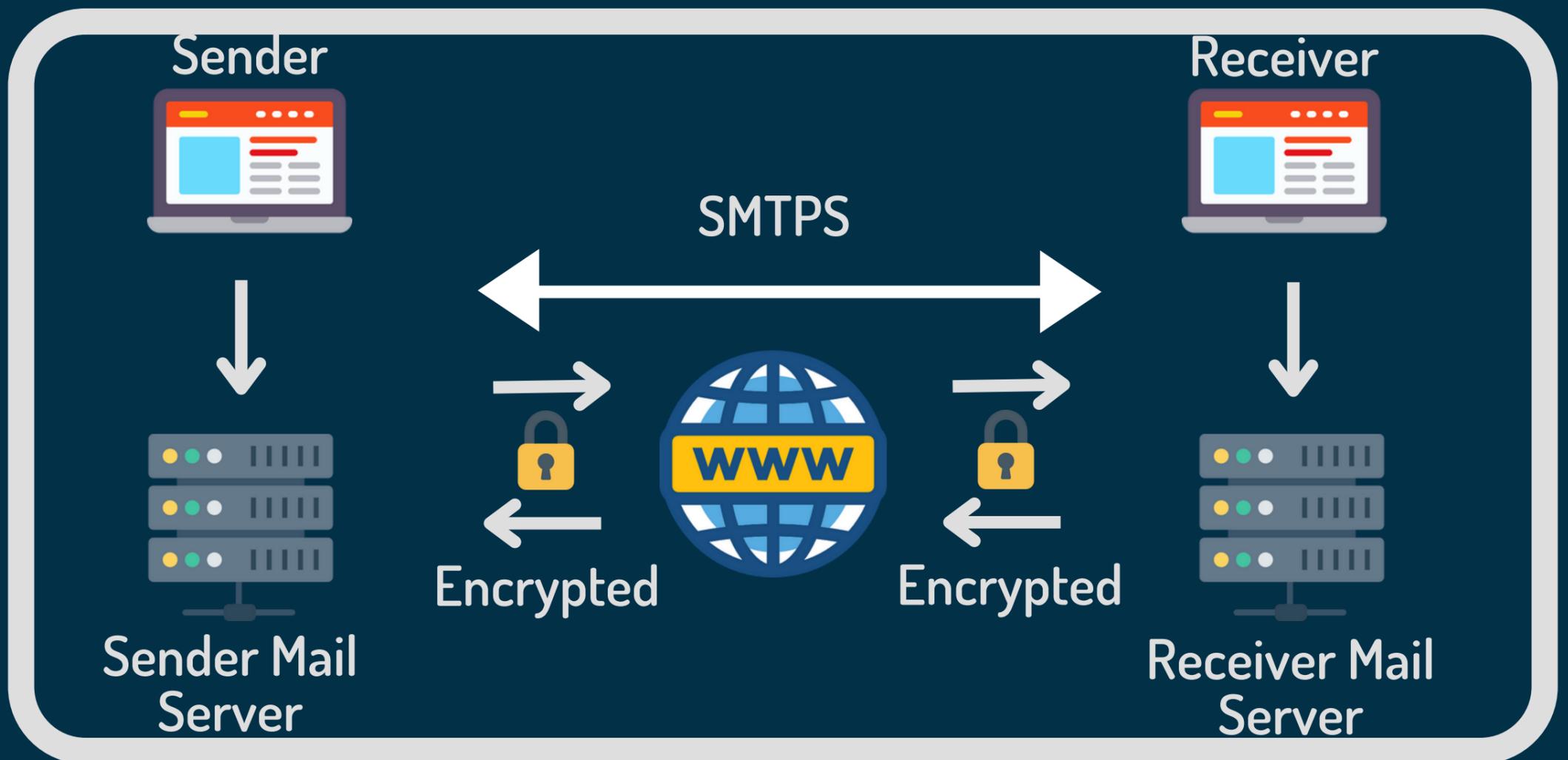
Imagine you have a diary in which you write all your thoughts and secrets. A **VPN** is like a **secret lock** for your diary. It Encrypts all your internet traffic and keeps your online activities **private**

05 IP SEC



Imagine you are having a **secret conversation** with your friend, IPsec is like a secret language that is used to **protect** your online conversations

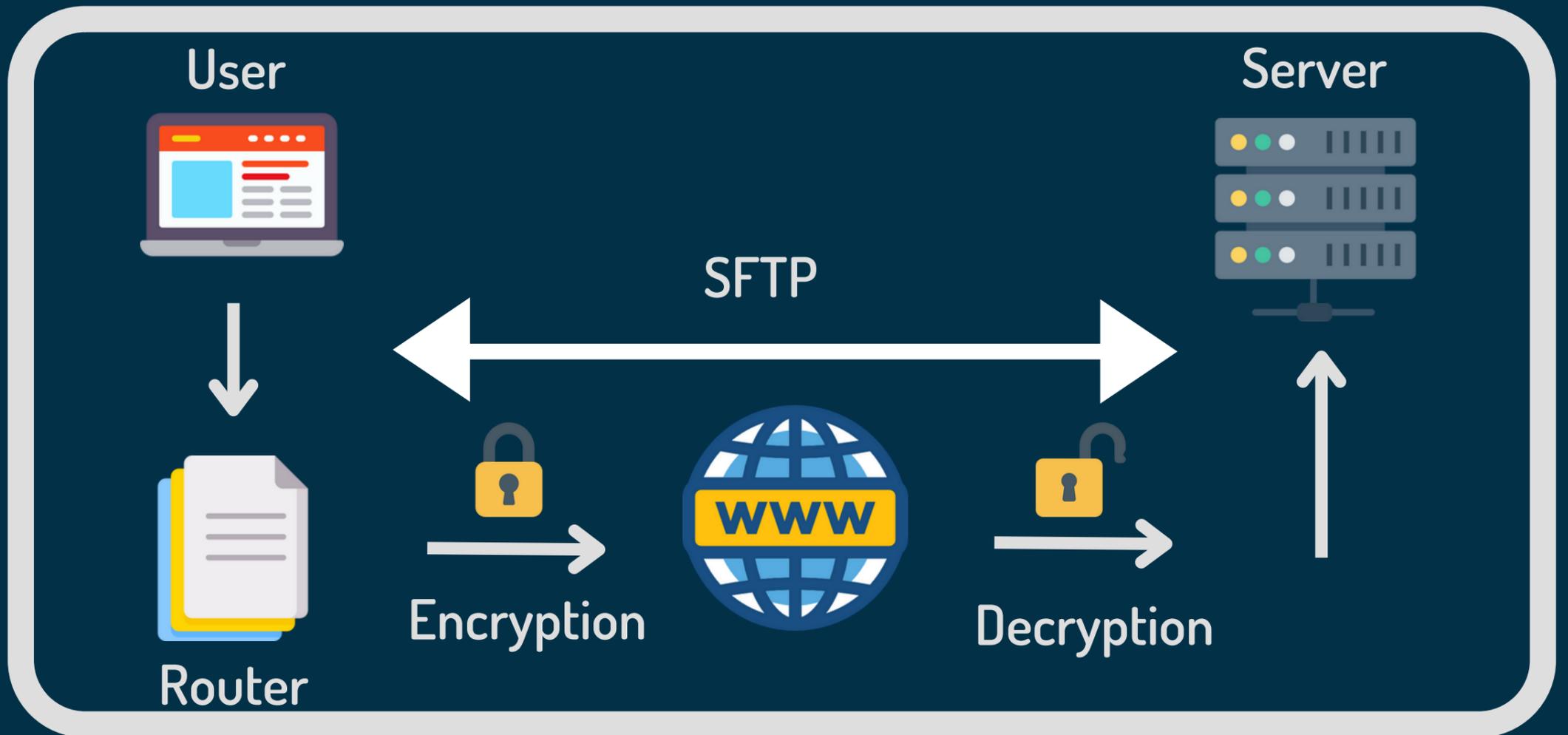
06 SMTPS



Imagine you want to send an email to your friend. So, you put the email in a **locked box** and send it through the mail. SMTPS is like the special key that your friend uses to **unlock the box**

06

SFTP



Imagine you need to send a **large file** to a friend. SFTP works by converting the message into a **secret code** that only you and the recipient can understand

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