IT SNP
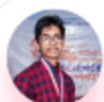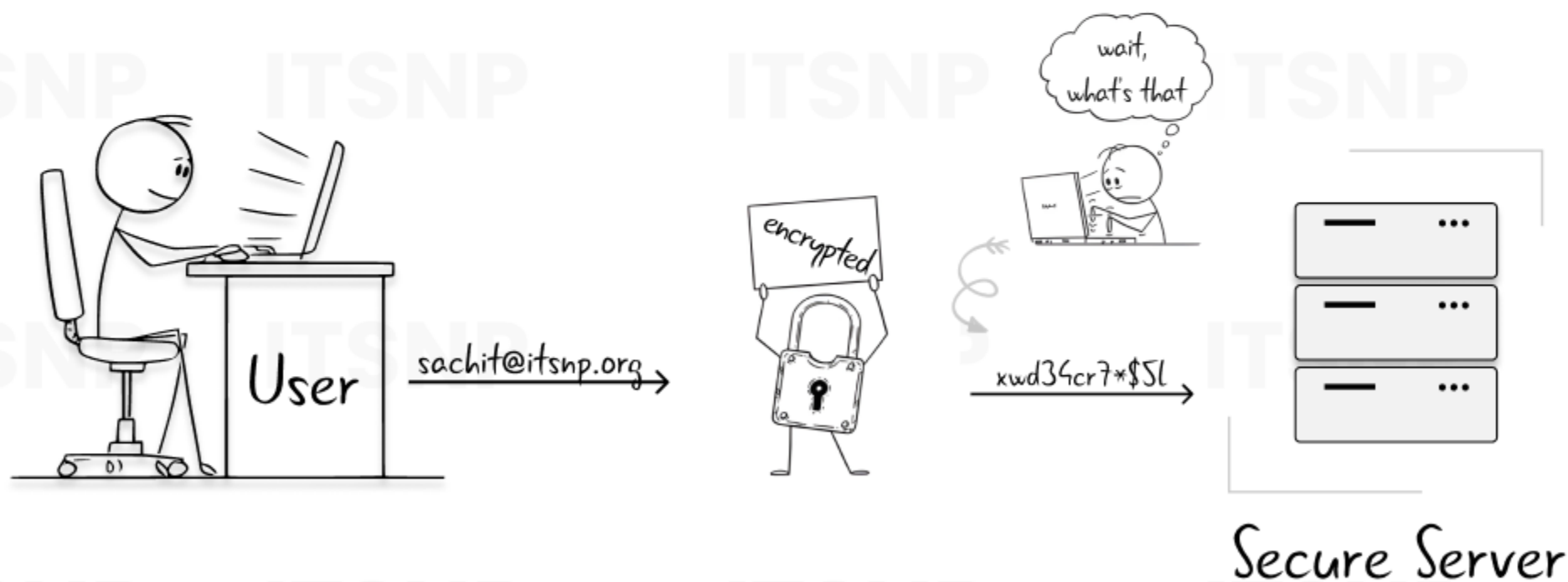
Secure socket layer(ssl) & Transport Layer Security (TLS)

Are the **protocols** for securing data sent over the internet. These protocols encrypt the data to ensure its security. No one will be able to see the data you and the server are **sending and receiving.**

User → sachit@itsnp.org → encrypted → xwd34cr7*$5l → Secure Server
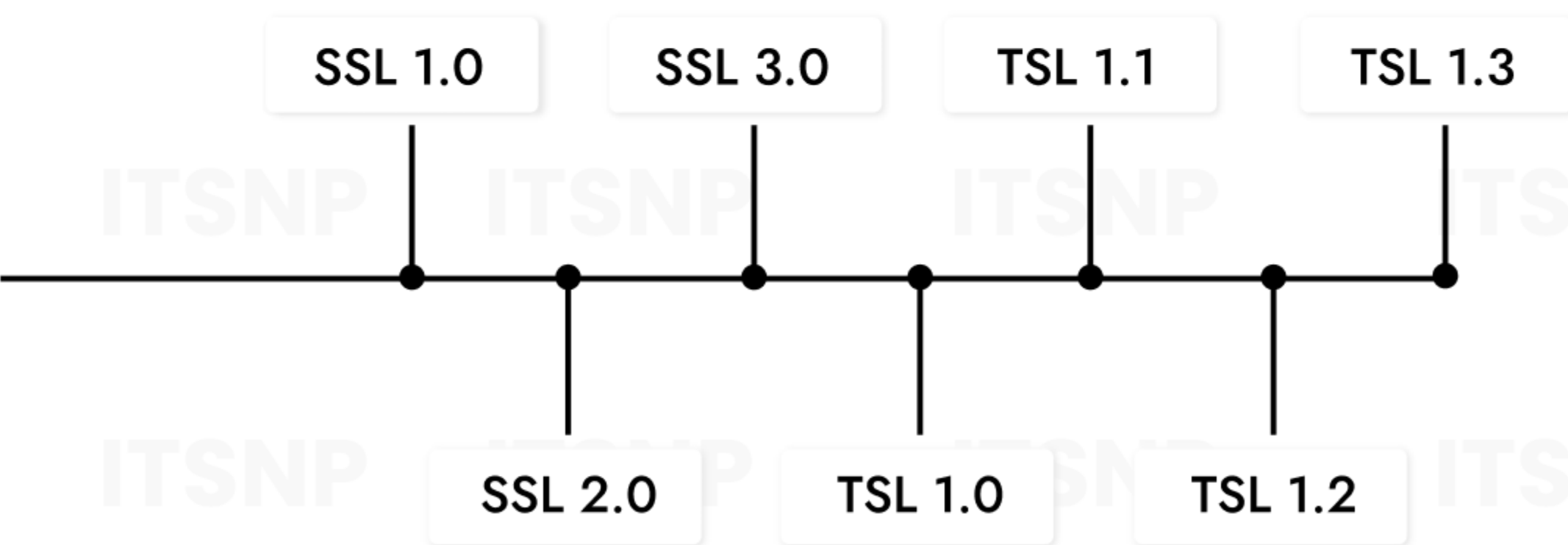
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swipe →

SSL & TLS:

There are almost no differences between SSL and TLS, but TLS is an updated or successful version of SSL. All versions of SSL have been found vulnerable, and they have all been deprecated and make use of the TLS 1.3 stable version.

SSL 1.0	SSL 3.0	TSL 1.1	TSL 1.3

SSL 2.0	TSL 1.0	TSL 1.2

SSH

ssh is a protocol for executing commands on a remote server in a secure manner. typically used for remote command execution and command line login on a remote computer. however, the ssh layer can be used to secure any network service.

encrypted command

encrypted result

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