

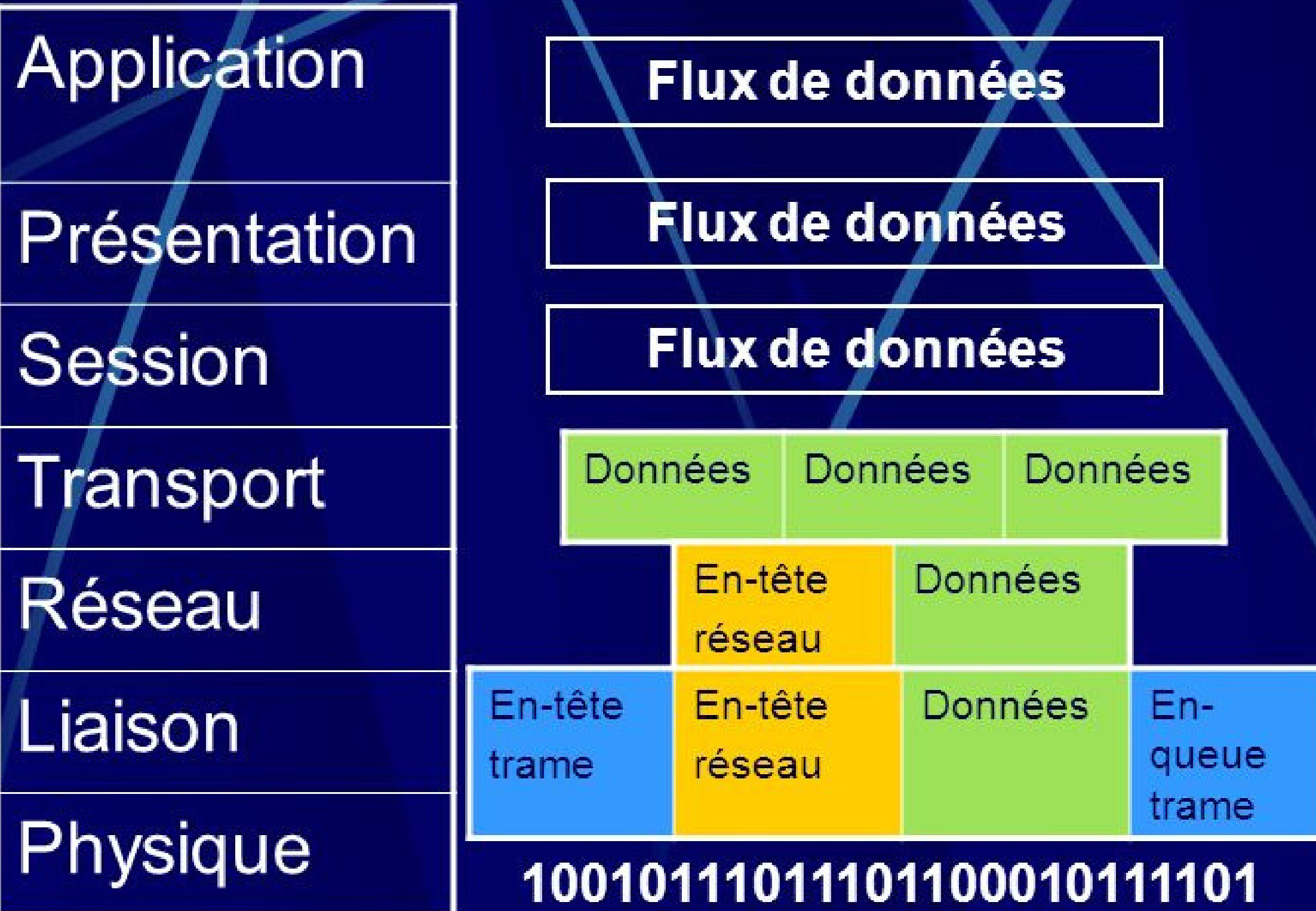
The background is a complex, abstract digital illustration. It features a central perspective of a tunnel or vortex, rendered in shades of blue and purple. The walls of the tunnel are composed of overlapping, translucent, ribbon-like structures that create a sense of depth and movement. A grid of dark lines is visible within the tunnel, suggesting a structural or digital framework. Light effects, including soft glows and small, sparkling particles, are scattered throughout the scene, particularly concentrated towards the center of the tunnel. The overall composition is symmetrical and has a futuristic, ethereal feel.

LE TUNNELING

Encapsulation

unité de données

couches



Couche 2: Liaison

PPTP

L2F

OpenVPN

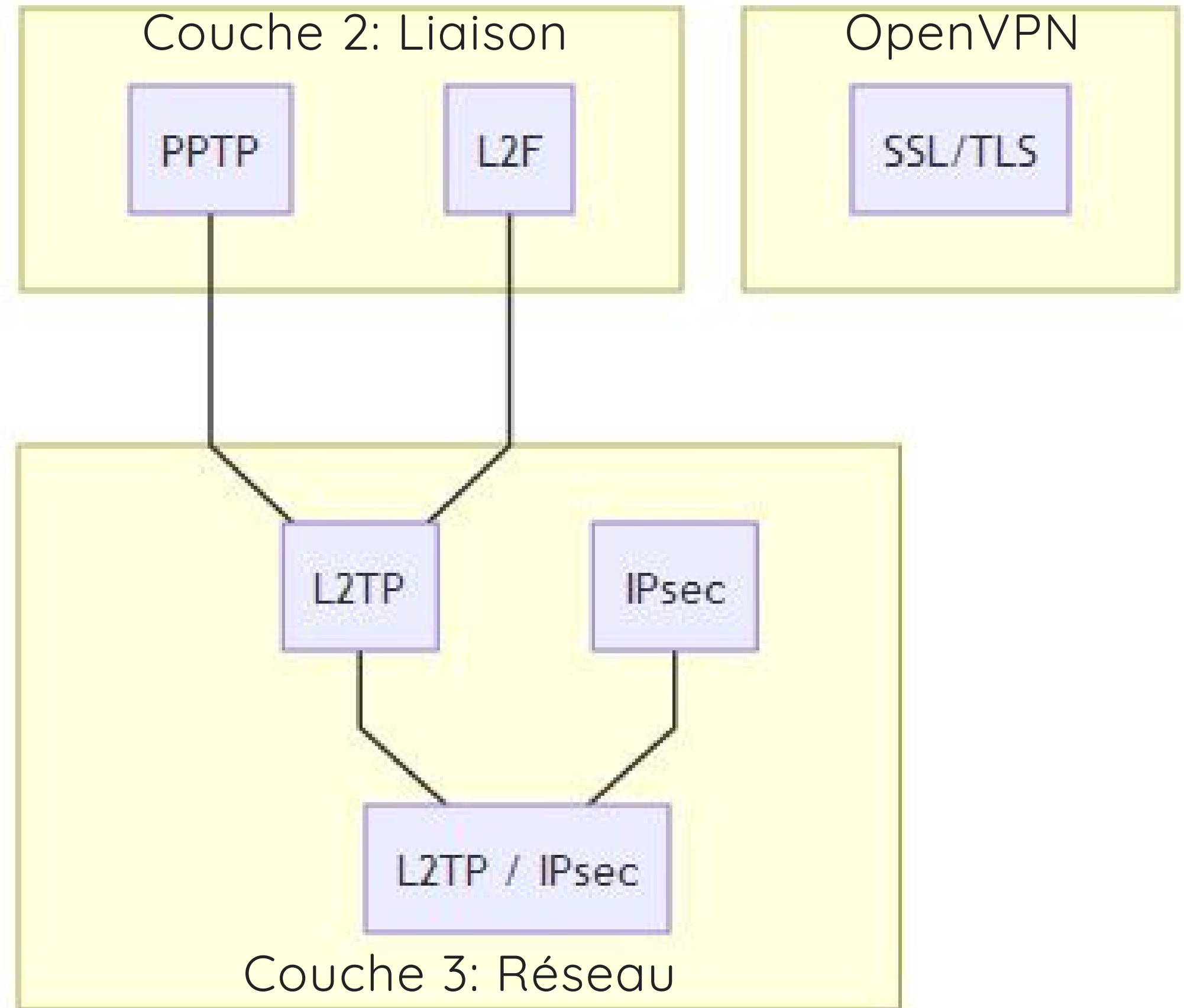
SSL/TLS

L2TP

IPsec

L2TP / IPsec

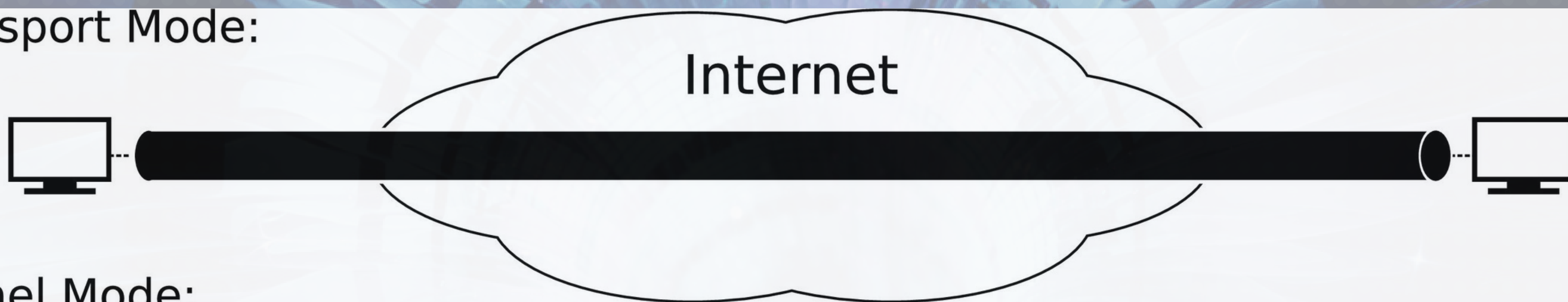
Couche 3: Réseau



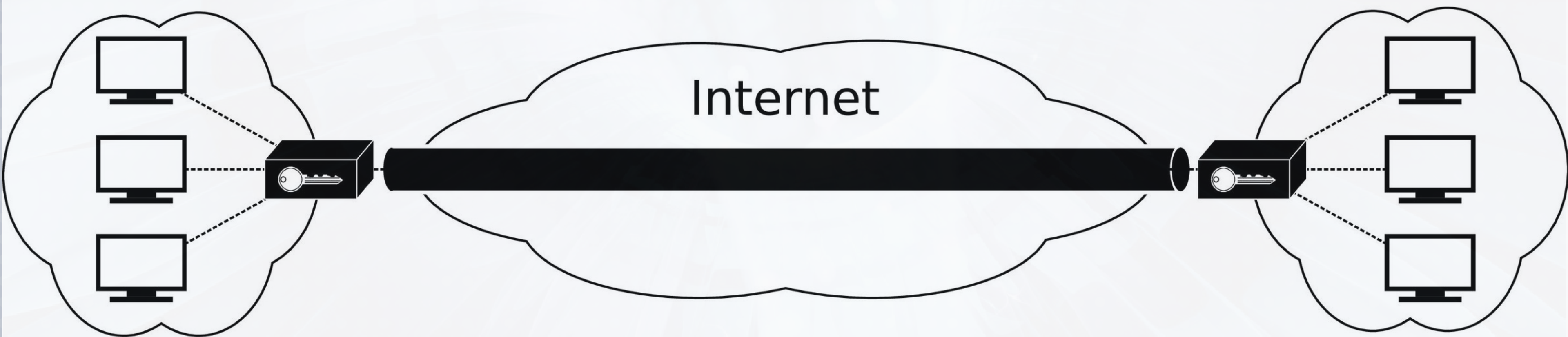
AH :
AUTHENTICATION HEADER

ESP :
ENCAPSULATING SECURITY PAYLOAD

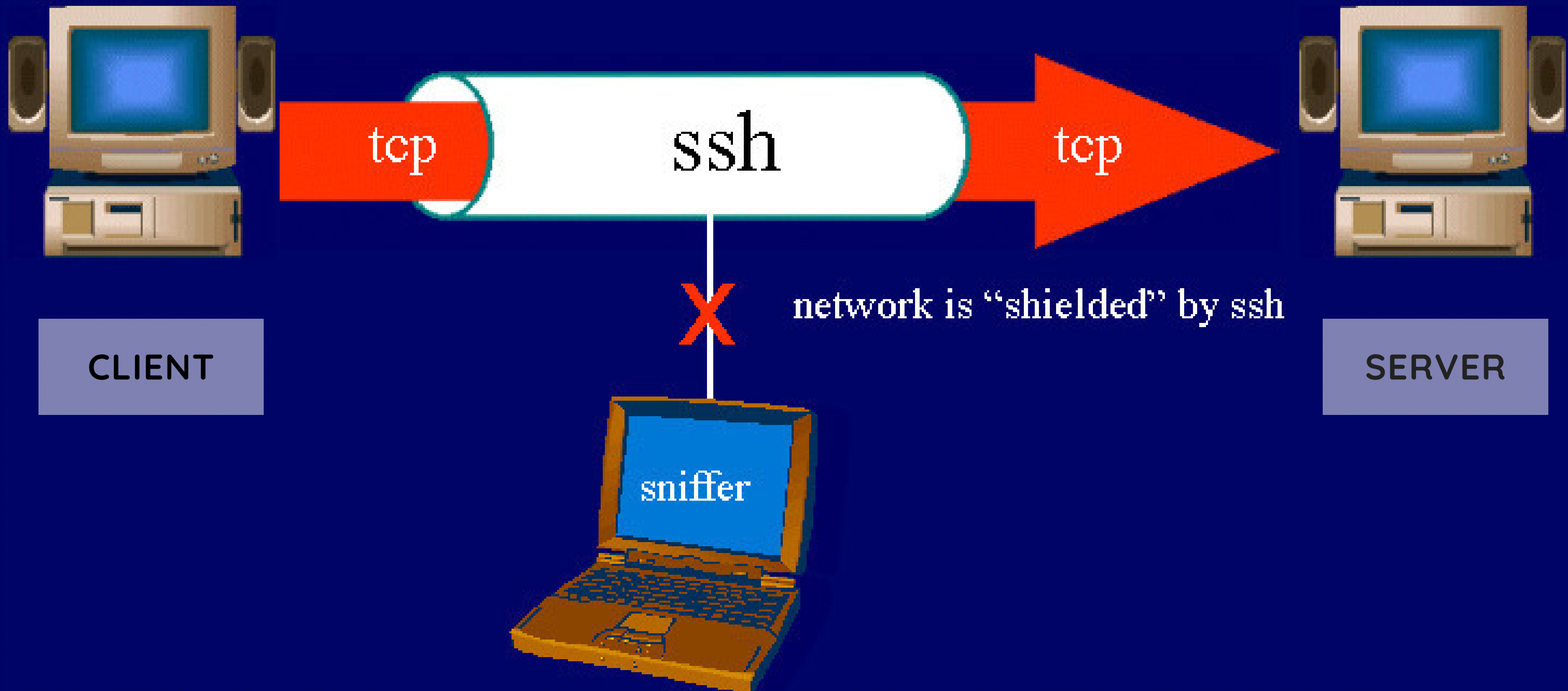
Transport Mode:



Tunnel Mode:



Secure SHell



Secure SHell

SSH Client



SSH Server



1. Client initiates the connection by contacting server

2. Sends server public key

3. Negotiate parameters and open secure channel

4. User login to server host operating system

Bibliographie / Références :

Wikipedia:

https://fr.wikipedia.org/wiki/Mod%C3%A8le_OSI

https://fr.wikipedia.org/wiki/Transport_Layer_Security

[https://fr.wikipedia.org/wiki/Tunnel_\(r%C3%A9seau_informatique\)](https://fr.wikipedia.org/wiki/Tunnel_(r%C3%A9seau_informatique))

Securité Info - Le Tunneling:

<https://www.securiteinfo.com/cryptographie/tunnel.shtml>

Guide de référence RedHat Entreprise Linux 4:

<http://web.mit.edu/rhel-doc/4/RH-DOCS/rhel-rg-fr-4/ch-ssh.html>

Openclassroom:

<https://openclassrooms.com/en/courses/43538-reprenez-le-contrôle-a-l'aide-de-linux/41773-la-connexion-sécurisée-a-distance-avec-ssh>

Schéma Evolution des protocoles: Avec Mermaid Live Editor

<https://mermaidjs.github.io/mermaid-live-editor/>