CS381 Exercise 15

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1. Draw the figures of IP-frame in transport mode:

a) first ESP then AH

gin IP hdr AH hdr ESP ho	r TCP Data	ESP Trailer	ESP Auth
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b) first AH then ESP

igin IP hdr ESP hdr AH	ndr TCP D	Data ESP Trailer ESP Aut
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2. Describe the different VPNs and their usage

Solution:

- 1. Gateway-to-gateway: protects communications between two specific networks.
- 2. Host-to-gateway:protects communications between a host and a specific network, typically used to allow hosts on unsecured networks, such as traveling user, to gain access to internal organizational services.
- 3. Host-to-host: protects communication between two specific computers, often used when a user need to use or administer a remote system.
- 4. SSL VPN: It can be used with a standard Web browser. It's used to give remote users with access to Web applications, client/ server applications and internal network connections.