05/11/2020 C5-707 Chakradhar Reddy Donuri by hard some Con some debathance been planting EquaF496 and 1824 solding A (or (H2 Exam-3) contract also) these productions

- on the chient and private they are served (1541) 18 (16 (184)
 - secret value (of IPsec with pre shared Keys) Mes (d'set
 - diests soil fount the servers key during the 1 A (3
- 2) (i) An exhaustive search of the Key space lengths ranging from 40 to 168 bits Use of HTTPS can prevent musege courserepping
- (ii) It is prevented by use of nonces
- (iii) It is prevented by the use of publickey certific to authenticate the correspondents
- (iv) IP spooting: The spooter must be in possession of secret key as well as the bogus if address
- (v) syn Flooding: TLS provides no protection against this attack was an continued

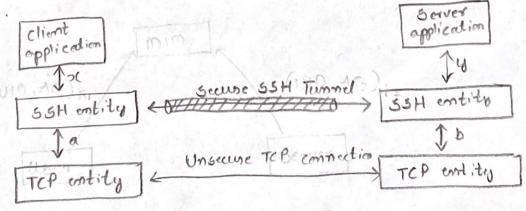
3) a) do protect Mim attacks, we need some kind of shared trust of shared secret between the elient and server The most commonly used methods are a) some kind of proprietary certificate mechanism (eg 55H) b) A public Key on the elient and private key on server (55tl) c) A share Beeret value (eg Ipsec with pre shared Keys). Most 55H clients will trust the servers key during the 1st connection and at any given time mm attack are unlikely and it provides the best possible trade of b/w usability and security.

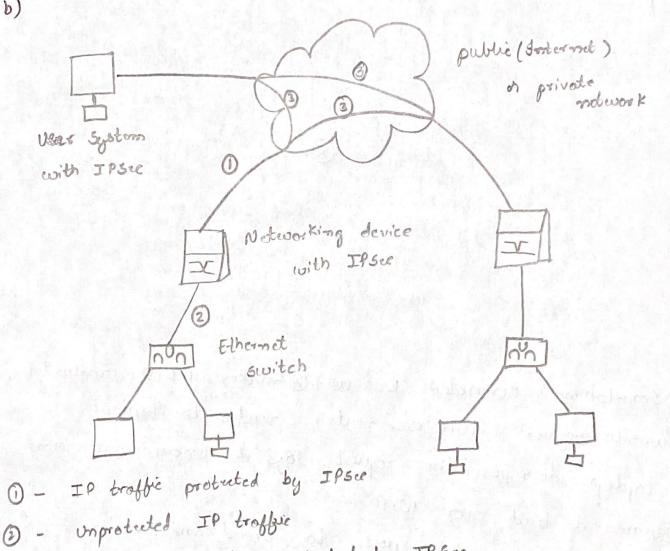
Use of HTTP's can prevent musage eavesdropping

in TLS protocol.

The certificate authority system is designed to stop the mim attacks. In TLS, server uses the private key associated with their certificate to establish a valid connection The server keeps the key secret, so mim cant use the Bites real certificate. The atlacker has to either convince a ca to sign their certificate of just use it, as is

sateguard agouist MIM attacks on ses The emabled application.





Wu Industries mountains LAN's at different locations. Non-secure IP traffic is conducted on each LAN. For traffic offsite, through some sort of private or public wan.

These protocols are used. These protocols operate in IPsec protocols are used arouter or firewall, that metworking devices, such as a router or firewall, that metworking devices, such the outside world. The IPsec connect each LAN to the outside world. The IPsec retworking device will typically energpt all traffic networking device will typically energpt traffic coming going into the WAN and decrypt traffic coming

from the WAN. These operations are transparent to work stations and servers on the LAN. Secure transmission is also possible with individual users who dial into the WAN. such users work stations must implement the Ipsee protocals to provide security

3)c) No, the messages of the application are not at risk of am eavesdropping attack launched through wireless network by the previous IT manager.