1. IP security (IPSec)

- of the IP security (IPSec) is an Internet Engineering Fork & Ce (IETF) standard
- and enoughtion of security New protect suits that authentication and communication of secure encypted communication blu two computers over internet
- pain of security gateway blw security gateway and host

Uses of IP' security distant milestan put it was all

- + To encrypt application layor data with the
- the public internet.
- + To provide authoritication without encryption, like to authoriticate that the older originalist from a known sender.
- => 10 protect N/W data by setting up circuit using 1Psec tunneling in which all data is being sent b/m the two endpoint is encrypted, as with a VPN connection.

components of 1 p security

- 1. En capsulating security payload (ESP)
- it provides data integrity, encryption, authoritication and auti replay, it also provides authoritication for payload

a. Authoritication Header (AH)

- replay and it does not encuption.
- transmission of packets.
- > it does not protect data's confidentiality.

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IP HOR	AH	TCP	DATA

3. Internet Key Exchange (IKE)

- on aption teys and find a way over security association (SA)
- the security Association (SA) established should security attributed blue 2 network entities to support secure communication.

