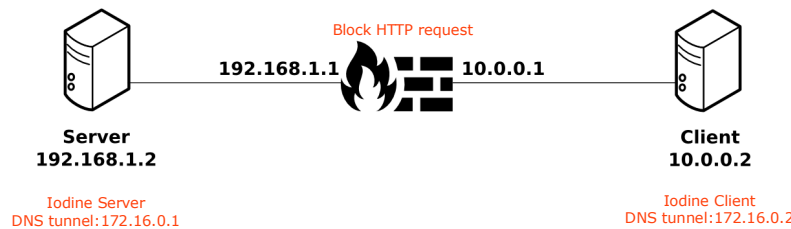
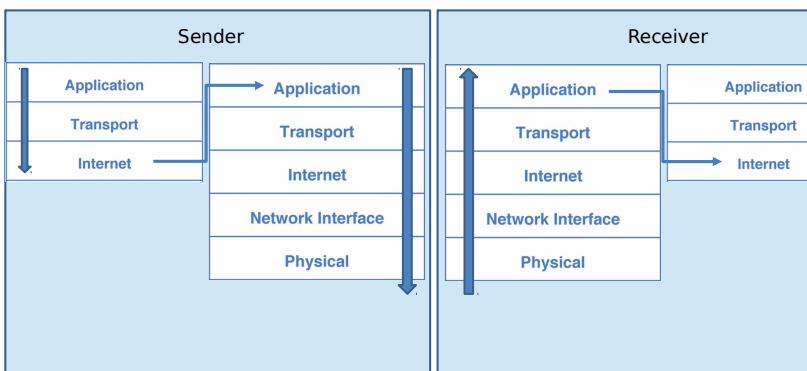
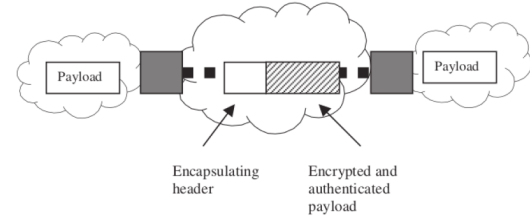


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- Encapsulate the packets of a protocol in another protocol that operates in the same or higher layer
 - IPv6 over IPv4 (6to4): Encapsulate IPv6 packets in payloads of IPv4 packets
 - IPSec: Encapsulate whole IP packets with new (tunnel mode) or original (transport mode) IP headers



- Short rules for detecting iodine covert DNS tunneling

- # detects iodine covert tunnels (over DNS)
- alert udp any any -> any 53 (content: "[01 00 00 01 00 00 00 00 01]"; offset: 2; depth: 10; content: "[00 00 29 10 00 00 00 80 00 00 00]"; \ msg: "covert iodine tunnel request"; threshold: type limit, track by_src, count 1, seconds 300; sid: 5619500; rev: 1;)
- alert udp any 53 -> any any (content: "[84 00 00 01 00 01 00 00 00 00]"; offset: 2; depth: 10; content: "[00 00 0a 00 01]"; \ msg: "covert iodine tunnel response"; threshold: type limit, track by_src, count 1, seconds 300; sid: 5619501; rev: 1;)

Questions?