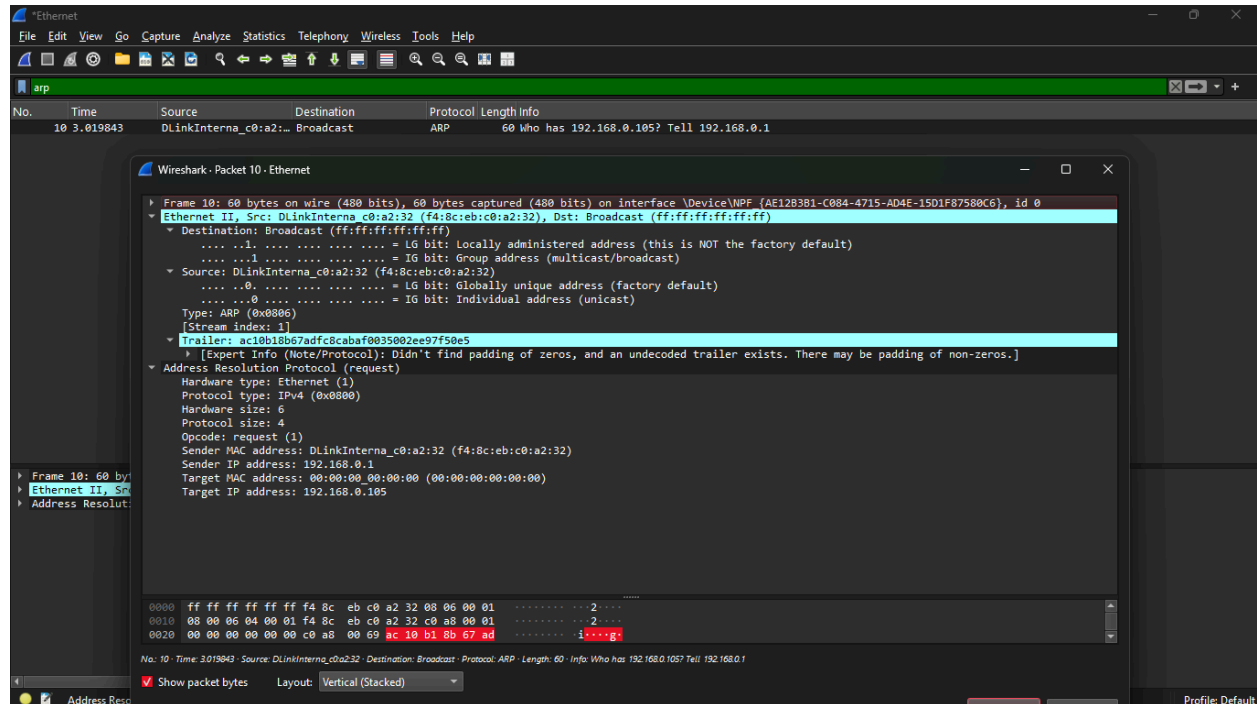


ARP Packets structure :

ARP operates at Data Link layer and used to resolve IP address to MAC address within local network.



ARP frames are 2 types - Requests and Replies

Request frame : Sent by a device to check its IP address available and gather the MAC address of the requested device to sent. (Broadcast)

Reply frame : Sent by device mentioning the acknowledgement stating its the one that asked and shares its MAC address with it. (Unicast)

Fields in the Frame :

Sender MAC

Sender IP

Target MAC

Target IP

The Sender MAC Address in the reply is the key piece of information the requester needs to map the target IP to a MAC address.

The Sender IP Address confirms to the requester that this reply corresponds to the requested IP.

