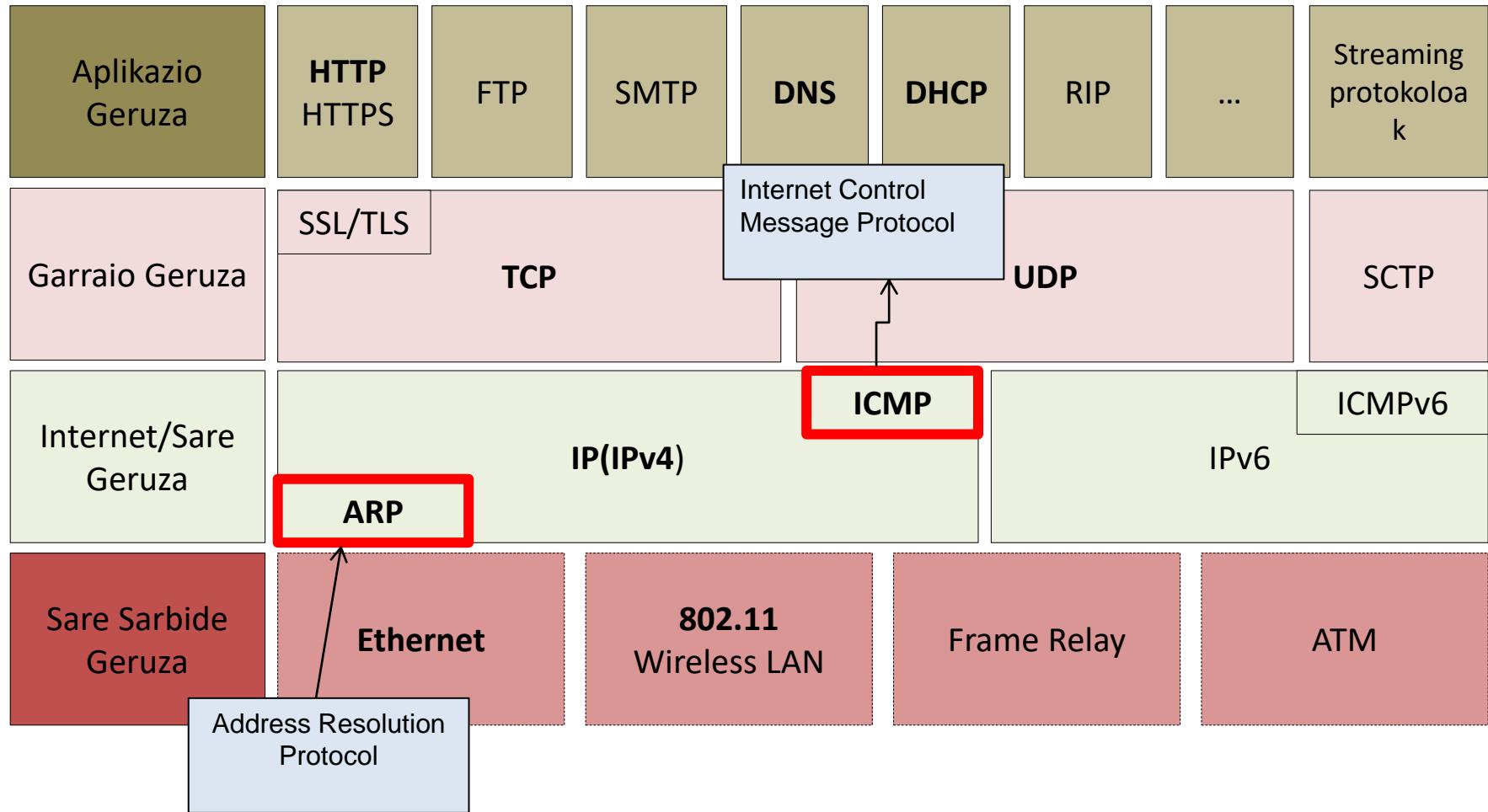




CAPA DE RED OTROS PROTOCOL

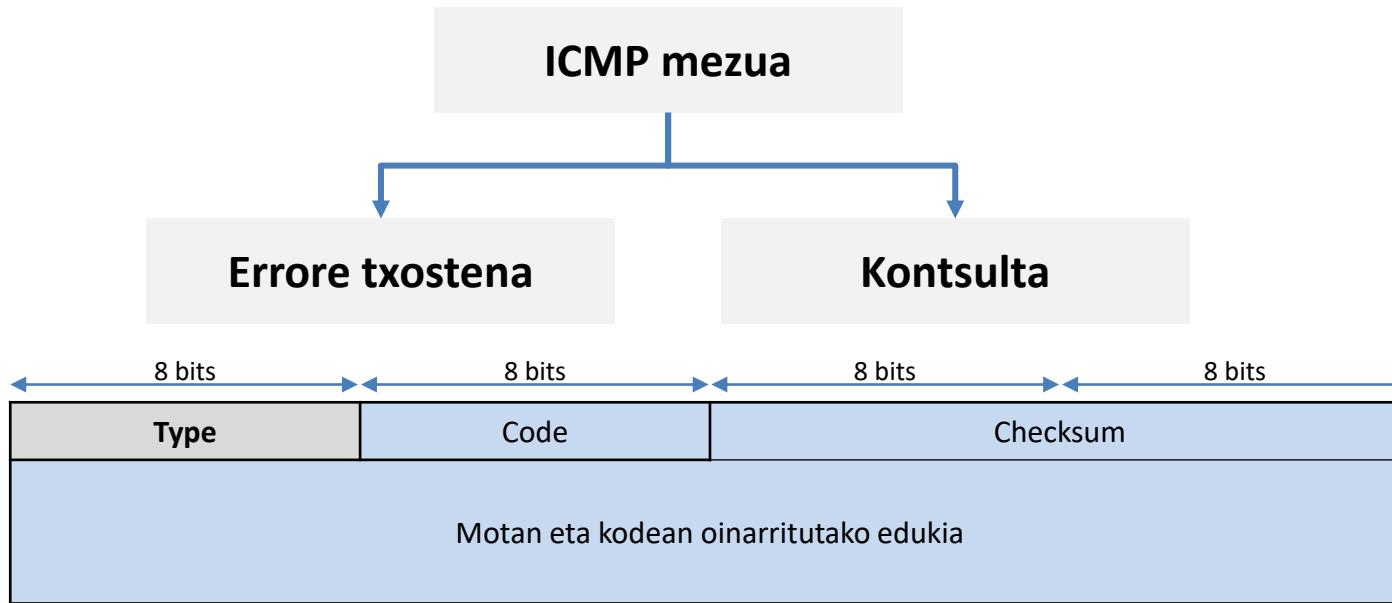
5. GAIA

BESTE PROTOKOLO



BESTE PROTOKOLO

ICMP (INTERNET CONTROL MESSAGE PROTOCOL)



8,0: Echo request or reply
 3 : Destination Unreachable
 4 : Source Quench
 5 : Redirect
 11 : Time Exceeded
 12 : Parameter Problem
 13,14: Timestamp request and reply
 15,16: Information Request and Reply
 17,18: Address mask request and reply
 10,9 : Route solicitation and
advertisement

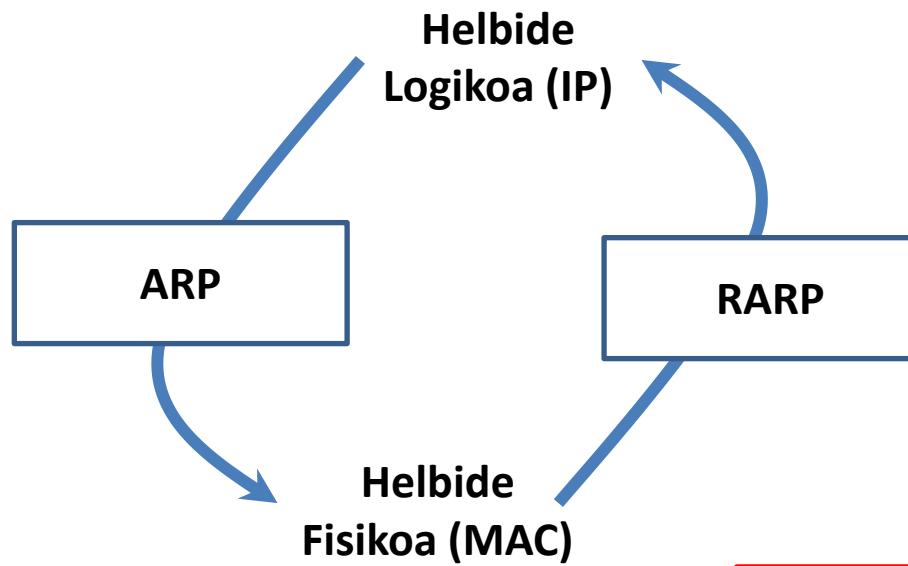
(Type: eremu honen balioak
gainerako goiburuaren
formatua eta kodearen
eremuaren esanahia zehazten
ditu)

Type 5 → Code 0 = Redirect datagrams for
the Network
Type 11 → Code 0 = time to live exceeded
in transit;

Sare Geruzako protokoloa

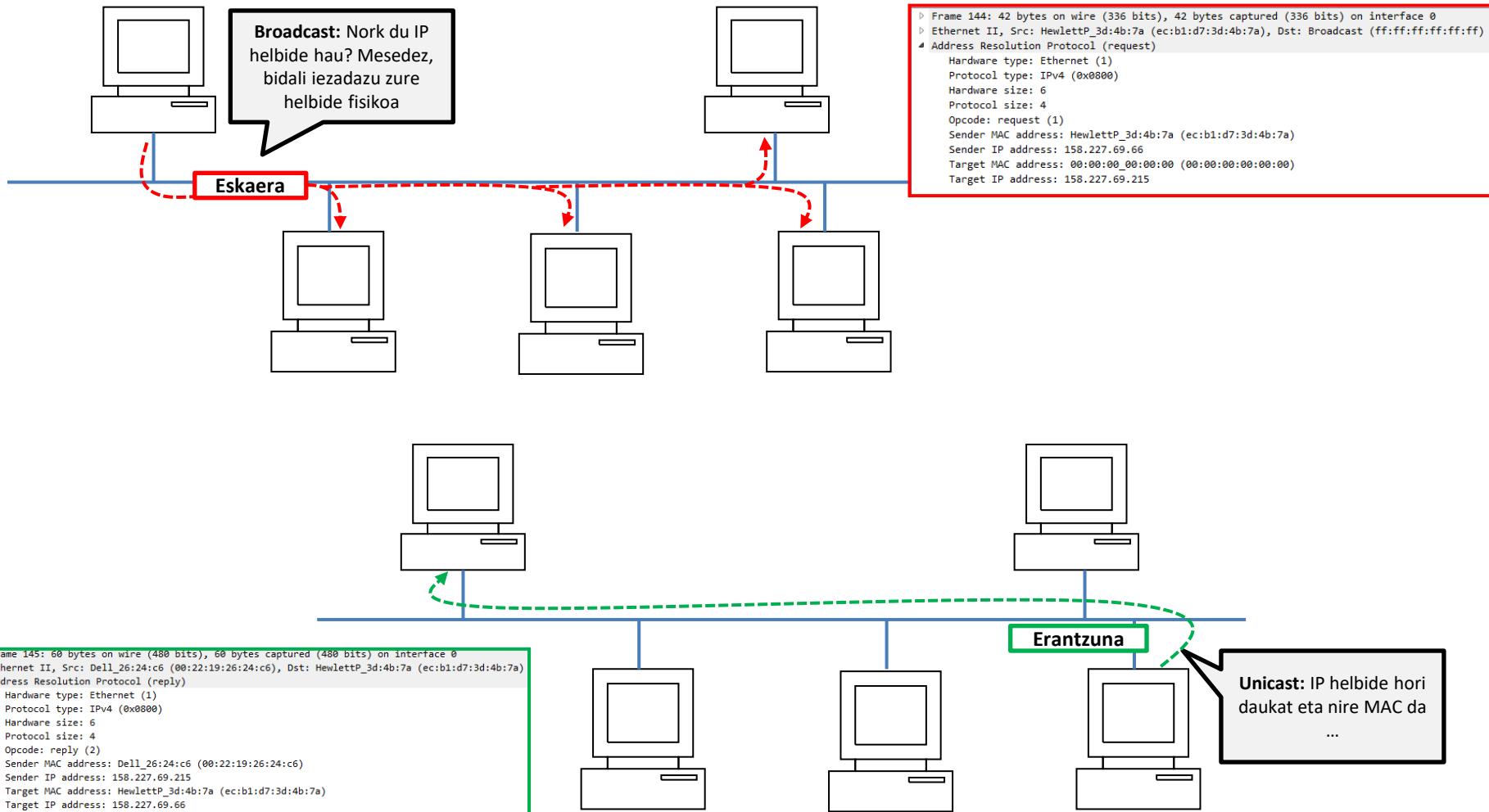
BESTE PROTOKOLO ARP

- IP helbide baten MAC helbideak.
 - ARP (Address Resolution Protocol) MAC helbidea lortu IP helbidetik
 - RARP (Reverse Address Resolution Protocol)



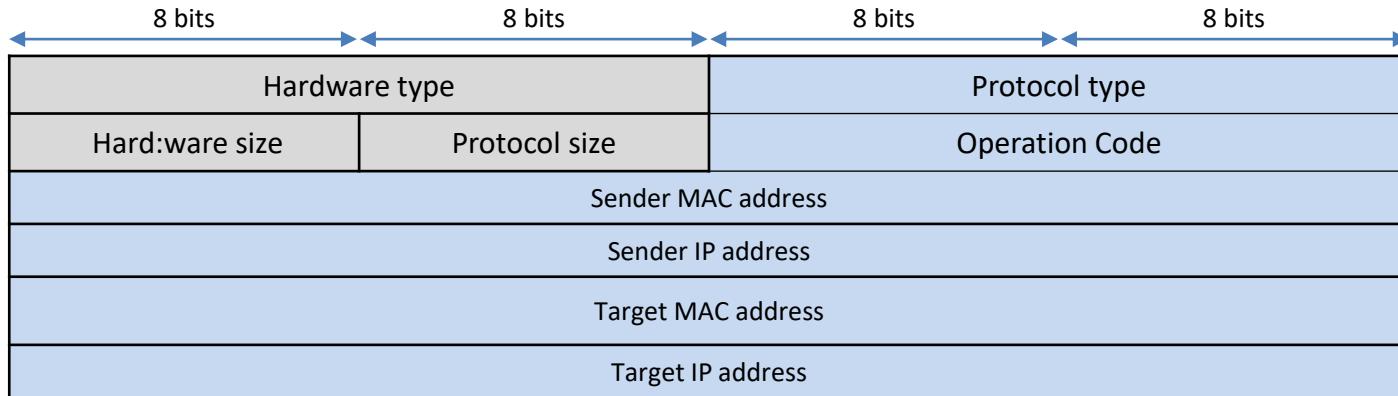
Lotura Geruzako protokoloa

BESTE PROTOKOLO ARP



BESTE PROTOKOLO

ARP



```

> Frame 144: 42 bytes on wire (336 bits), 42 bytes captured (336 bits) on interface 0
> Ethernet II, Src: HewlettP_3d:4b:7a (ec:b1:d7:3d:4b:7a), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
& Address Resolution Protocol (request)
    Hardware type: Ethernet (1)
    Protocol type: IPv4 (0x0800)
    Hardware size: 6
    Protocol size: 4
    Opcode: request (1)
    Sender MAC address: HewlettP_3d:4b:7a (ec:b1:d7:3d:4b:7a)
    Sender IP address: 158.227.69.66
    Target MAC address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Target IP address: 158.227.69.215

```

Eskaera

```

> Frame 145: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface 0
> Ethernet II, Src: Dell_26:24:c6 (00:22:19:26:24:c6), Dst: HewlettP_3d:4b:7a (ec:b1:d7:3d:4b:7a)
& Address Resolution Protocol (reply)
    Hardware type: Ethernet (1)
    Protocol type: IPv4 (0x0800)
    Hardware size: 6
    Protocol size: 4
    Opcode: reply (2)
    Sender MAC address: Dell_26:24:c6 (00:22:19:26:24:c6)
    Sender IP address: 158.227.69.215
    Target MAC address: HewlettP_3d:4b:7a (ec:b1:d7:3d:4b:7a)
    Target IP address: 158.227.69.66

```

Erantzuna