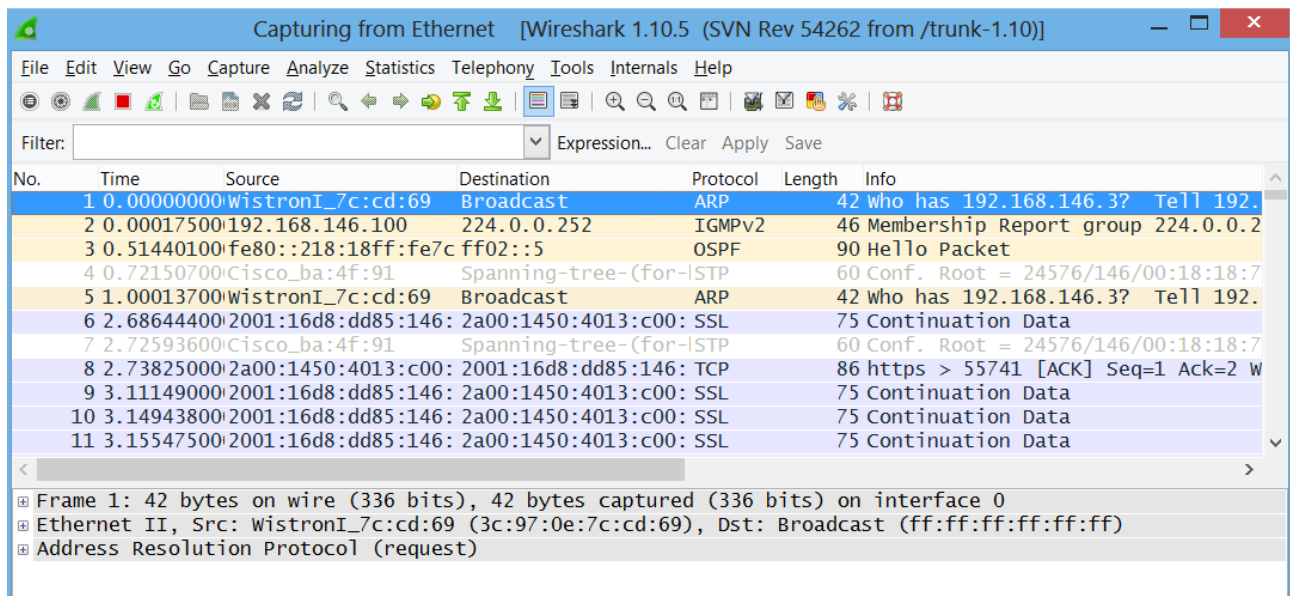


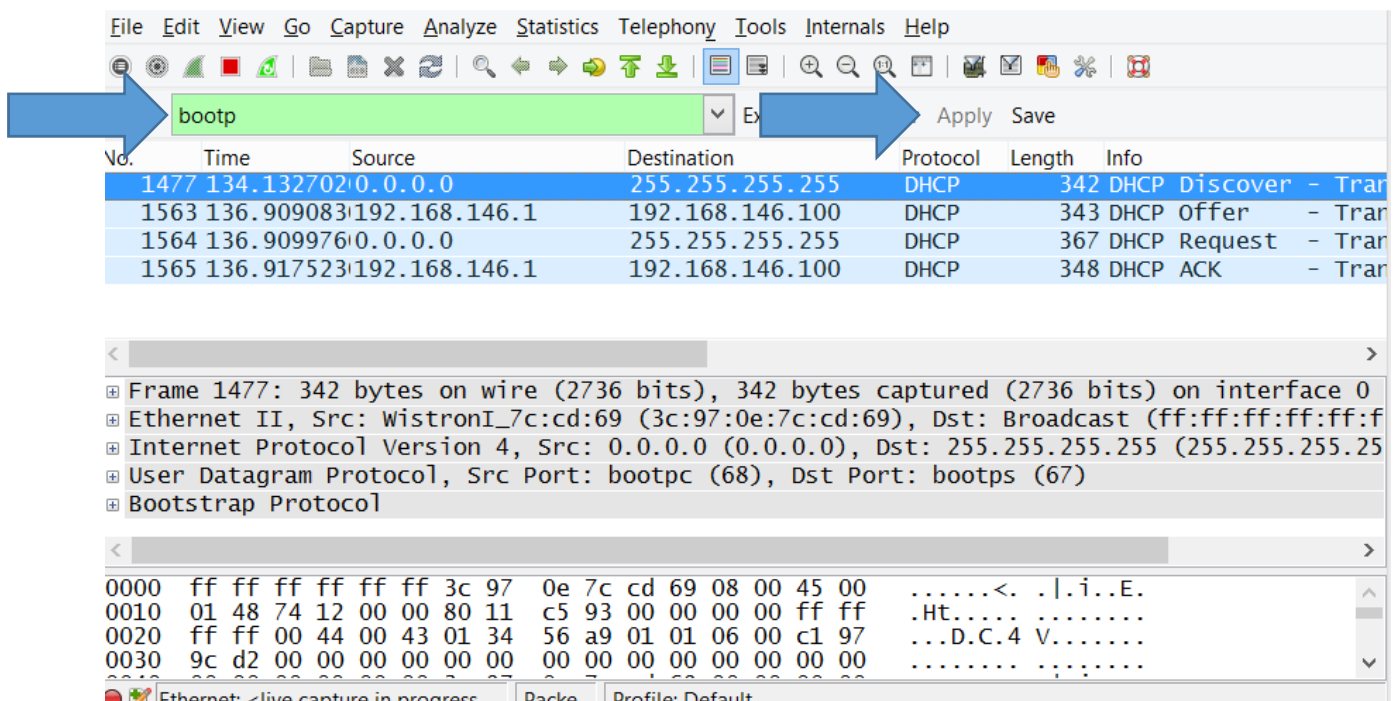
Opgave: Wireshark – Display Filtre

Denne opgave har til formål at introducere dig for wireshark og display filtrene for protokollen DHCP(Dynamic Host Configuration Protocol)

Wireshark opsamler og viser alle pakker på netkortet – i begge retninger



For at sortere i pakkerne kan man bruge displayfilteret "bootp" som er forløberen til DHCP.



Feltet bliver her **grønt** fordi displayfilteret er valid. Tryk **Apply** eller **Enter**.

Klik på **DHCP Offer** pakken og åben **Bootstrap Protocol** feltet for at se alt data

The screenshot shows the Wireshark interface with a filter set to 'bootp'. The packet list pane shows several DHCP packets, with packet 1563 (DHCP Offer) selected. A blue arrow points from this packet to the packet details pane. The packet details pane shows the following structure:

- Frame 1563: 343 bytes on wire (2744 bits), 343 bytes captured (2744 bits) on interface 0
- Ethernet II, Src: Cisco_7c:b4:46 (00:18:18:7c:b4:46), Dst: WistronI_7c:cd:69 (3c:97:0e:7c:cd:69)
- Internet Protocol Version 4, Src: 192.168.146.1 (192.168.146.1), Dst: 192.168.146.100 (192.168.146.100)
- User Datagram Protocol, Src Port: bootps (67), Dst Port: bootpc (68)
- Bootstrap Protocol
 - Message type: Boot Reply (2)
 - Hardware type: Ethernet (0x01)
 - Hardware address length: 6
 - Hops: 0
 - Transaction ID: 0xc1979cd2
 - Seconds elapsed: 0
 - Bootp flags: 0x0000 (Unicast)
 - Client IP address: 0.0.0.0 (0.0.0.0)
 - Your (client) IP address: 192.168.146.100 (192.168.146.100)
 - Next server IP address: 172.16.4.233 (172.16.4.233)
 - Relay agent IP address: 192.168.146.1 (192.168.146.1)
 - Client MAC address: WistronI_7c:cd:69 (3c:97:0e:7c:cd:69)
 - Client hardware address padding: 00000000000000000000
 - Server host name not given
 - Boot file name: pxlinux.0
 - Magic cookie: DHCP
 - Option: (53) DHCP Message Type
 - Option: (1) Subnet Mask
 - Option: (58) Renewal Time Value
 - Option: (59) Rebinding Time Value
 - Option: (51) IP Address Lease Time
 - Option: (54) DHCP Server Identifier
 - Option: (15) Domain Name
 - Option: (3) Router

Kontroller options som Default Router, DNS server, Domain name.

Hvad er subnet masken på dette netværk?: _____

Hvad er Routerens ip adresse?: _____

Hvad er domæne navnet på dette netværk?: _____