

LIMITED BROADCAST

VS

DIRECTED BROADCAST

LIMITED BROADCAST

No.	Time	Source	Destination
44	2.045604	0.0.0.0	255.255.255.255
Frame 888: 342 bytes on wire (2736 bits), 342 bytes captured (2736 bits) on interface 0			
Ethernet II, Src: Apple_1c:04:2e (a8:60:b6:1c:04:2e), Dst: Broadcast (ff:ff:ff:ff:ff:ff)			
Internet Protocol Version 4, Src: 0.0.0.0, Dst: 255.255.255.255			
User Datagram Protocol, Src Port: 68, Dst Port: 67			
Bootstrap Protocol (Request)			

No.	Time	Source	Destination
223	14.441970	10.0.0.1	255.255.255.255

```

+ Frame 223: 590 bytes on wire (4720 bits), 590 bytes captured (4720 bits) on interface 0
+ Ethernet II, Src: Cisco_66:c8:50 (50:57:a8:66:c8:50), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
+ Internet Protocol Version 4, Src: 10.0.0.1, Dst: 255.255.255.255
+ User Datagram Protocol, Src Port: 67, Dst Port: 68
- Bootstrap Protocol (Offer)

```

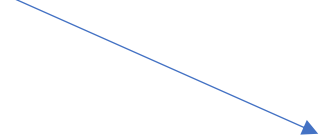
[illegible]

ARP REQUEST

```
+ Frame 252: 42 bytes on wire (336 bits), 42 bytes captured (336 bits) on interface 0
+ Ethernet II, Src: WistronI_24:bf:94 (f0:de:f1:24:bf:94), 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: WistronI_24:bf:94 (f0:de:f1:24:bf:94)
  ... Sender IP address: 10.0.0.200
  ... Target MAC address: 00:00:00_00:00:00 (00:00:00:00:00:00)
  ... Target IP address: 10.0.0.114
```

DNS QUERY

DIRECTED BROADCAST



1142 47.557782

10.0.0.200

10.0.0.255

[-] Frame 1142: 92 bytes on wire (736 bits), 92 bytes captured (736 bits) on interface 0
[-] Ethernet II, Src: WistronI_24:bf:94 (f0:de:f1:24:bf:94), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
[-] Internet Protocol Version 4, Src: 10.0.0.200, Dst: 10.0.0.255
[-] User Datagram Protocol, Src Port: 137, Dst Port: 137
[-] NetBIOS Name Service

... Transaction ID: 0x9271

[+] ... Flags: 0x0110, Opcode: Name query, Recursion desired, Broadcast

... Questions: 1

... Answer RRs: 0

... Authority RRs: 0

... Additional RRs: 0

[+] ... Queries

Dropbox LAN sync Discovery Protocol

DIRECTED BROADCAST



1141 46.857974

10.0.0.201

10.0.0.255

Frame 1141: 450 bytes on wire (3600 bits), 450 bytes captured (3600 bits) on interface 0
Ethernet II, Src: Apple_1c:04:2e (a8:60:b6:1c:04:2e), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
Internet Protocol Version 4, Src: 10.0.0.201, Dst: 10.0.0.255
User Datagram Protocol, Src Port: 17500, Dst Port: 17500
Dropbox LAN sync Discovery Protocol
+ JavaScript Object Notation