

1.

Capturing from eth0 [Wireshark 1.6.7]

Filter: edonkey

| No.  | Time      | Source        | Destination    | Protocol | Length | Info                               |
|------|-----------|---------------|----------------|----------|--------|------------------------------------|
| 1918 | 6.521389  | 95.91.224.112 | 10.0.2.15      | eDonkey  | 127    | Unknown UDP: Unknown               |
| 1991 | 6.806887  | 10.0.2.15     | 91.200.42.46   | eDonkey  | 48     | eDonkey UDP: Server Status Request |
| 3472 | 11.719058 | 10.0.2.15     | 27.152.28.252  | eDonkey  | 48     | eDonkey UDP: Server Status Request |
| 3735 | 12.501061 | 10.0.2.15     | 80.34.34.232   | eDonkey  | 93     | Unknown UDP: Unknown               |
| 3767 | 12.601627 | 80.34.34.232  | 10.0.2.15      | eDonkey  | 352    | Unknown UDP: Unknown               |
| 4804 | 17.629814 | 10.0.2.15     | 91.200.42.47   | eDonkey  | 48     | eDonkey UDP: Server Status Request |
| 5199 | 20.412119 | 10.0.2.15     | 80.180.40.43   | eDonkey  | 60     | Unknown UDP: Unknown               |
| 5216 | 20.527492 | 80.180.40.43  | 10.0.2.15      | eDonkey  | 62     | Unknown UDP: Unknown               |
| 5625 | 22.194070 | 10.0.2.15     | 101.80.151.139 | eDonkey  | 93     | Unknown UDP: Unknown               |
| 6208 | 24.293826 | 10.0.2.15     | 195.154.83.5   | eDonkey  | 48     | eDonkey UDP: Server Status Request |
| 6436 | 25.076019 | 10.0.2.15     | 79.11.240.21   | eDonkey  | 93     | Unknown UDP: Unknown               |
| 6471 | 25.199930 | 79.11.240.21  | 10.0.2.15      | eDonkey  | 352    | Unknown UDP: Unknown               |
| 7487 | 28.516104 | 10.0.2.15     | 91.200.42.119  | eDonkey  | 48     | eDonkey UDP: Server Status Request |

Frame 1445: 60 bytes on wire (480 bits), 60 bytes captured (480 bits)  
Ethernet II, Src: CadmusCo\_e5:97:03 (08:00:27:e5:97:03), Dst: RealtekU\_12:35:02 (52:54:00:12:35:02)  
Internet Protocol Version 4, Src: 10.0.2.15 (10.0.2.15), Dst: 85.155.78.96 (85.155.78.96)  
User Datagram Protocol, Src Port: rfa (4672), Dst Port: 30679 (30679)  
eDonkey Protocol  
Trailing/Undecoded data: 16 bytes

0000 52 54 00 12 35 02 08 00 27 e5 97 03 08 00 45 00 RT..5... '.....E.  
0010 00 2e 2f 16 40 00 40 11 5b 9f 0a 00 02 0f 55 9b ../.@.@. [...].U.  
0020 4e 60 12 40 77 d7 00 1a b0 35 8c 71 0c 0e 6e ad N'.@w... .5.q..n.  
0030 33 cf bd a6 64 d2 78 c3 7d bb 94 b0 3...d.x. }...

eth0: <live capture in progress> Fil... Packets: 7966 Displayed: 25 Marked: 0 Profile: Default

2.

Capturing from Pseudo-device that captures on all interfaces [Wireshark 1.6.7]

Filter: ed

| No. | Time      | Source         | Destination     | Protocol | Length | Info                              |
|-----|-----------|----------------|-----------------|----------|--------|-----------------------------------|
| 61  | 20.683310 | 10.0.2.15      | 74.96.226.234   | eDonkey  | 87     | Unknown UDP: Unknown              |
| 62  | 20.683447 | 10.0.2.15      | 82.215.150.122  | eDonkey  | 87     | Unknown UDP: Unknown              |
| 63  | 20.683576 | 10.0.2.15      | 79.55.240.33    | eDonkey  | 87     | Unknown UDP: Unknown              |
| 64  | 20.683606 | 10.0.2.15      | 218.205.20.172  | eDonkey  | 66     | Kademlia UDP: KADEMLIA2_HELLO_REQ |
| 65  | 20.683715 | 10.0.2.15      | 61.223.152.153  | eDonkey  | 87     | Unknown UDP: Unknown              |
| 66  | 20.801362 | 83.101.33.146  | 10.0.2.15       | eDonkey  | 88     | Unknown UDP: Unknown              |
| 67  | 20.846083 | 79.55.240.33   | 10.0.2.15       | eDonkey  | 93     | Unknown UDP: Unknown              |
| 68  | 20.894639 | 74.96.226.234  | 10.0.2.15       | eDonkey  | 88     | Unknown UDP: Get Server List      |
| 69  | 21.309613 | 61.223.152.153 | 10.0.2.15       | eDonkey  | 93     | Unknown UDP: Unknown              |
| 70  | 21.464469 | 10.0.2.15      | 79.55.240.33    | eDonkey  | 79     | Unknown UDP: Unknown              |
| 71  | 21.464629 | 10.0.2.15      | 61.223.152.153  | eDonkey  | 79     | Unknown UDP: Unknown              |
| 72  | 21.464774 | 10.0.2.15      | 122.116.101.65  | eDonkey  | 87     | Unknown UDP: Unknown              |
| 73  | 21.464892 | 10.0.2.15      | 141.255.158.195 | eDonkey  | 87     | Unknown UDP: Unknown              |

Frame 64: 66 bytes on wire (528 bits), 66 bytes captured (528 bits)  
Linux cooked capture  
Internet Protocol Version 4, Src: 10.0.2.15 (10.0.2.15), Dst: 218.205.20.172 (218.205.20.172)  
User Datagram Protocol, Src Port: rfa (4672), Dst Port: 41411 (41411)  
eDonkey Protocol

0000 00 04 00 01 00 06 08 00 27 e5 97 03 00 00 08 00 ..... '.....  
0010 45 00 00 32 d7 b9 40 00 40 11 67 79 0a 00 02 0f E..2..@. @.gy....  
0020 da cd 14 ac 12 40 a1 c3 00 1e fb b7 e4 11 dd 1b .....@. ....  
0030 62 a2 b4 f5 a9 f6 32 d8 76 7e b7 9e 33 8e 36 12 b....02. v~..3.6.

Invalid filter: "ed" is neither a field ... Packets: 90 Displayed: 90 Marked: 0 Profile: Default

3. ¿Por qué hace falta el fichero nodes.dat al usar la red KAD?

Los contactos establecidos por su nodo Kad se conservan en el fichero nodes.dat. Este fichero evoluciona regularmente cuando Kad efectúa nuevas búsquedas, integra los nuevos nodos y elimina de los nodos inactivos