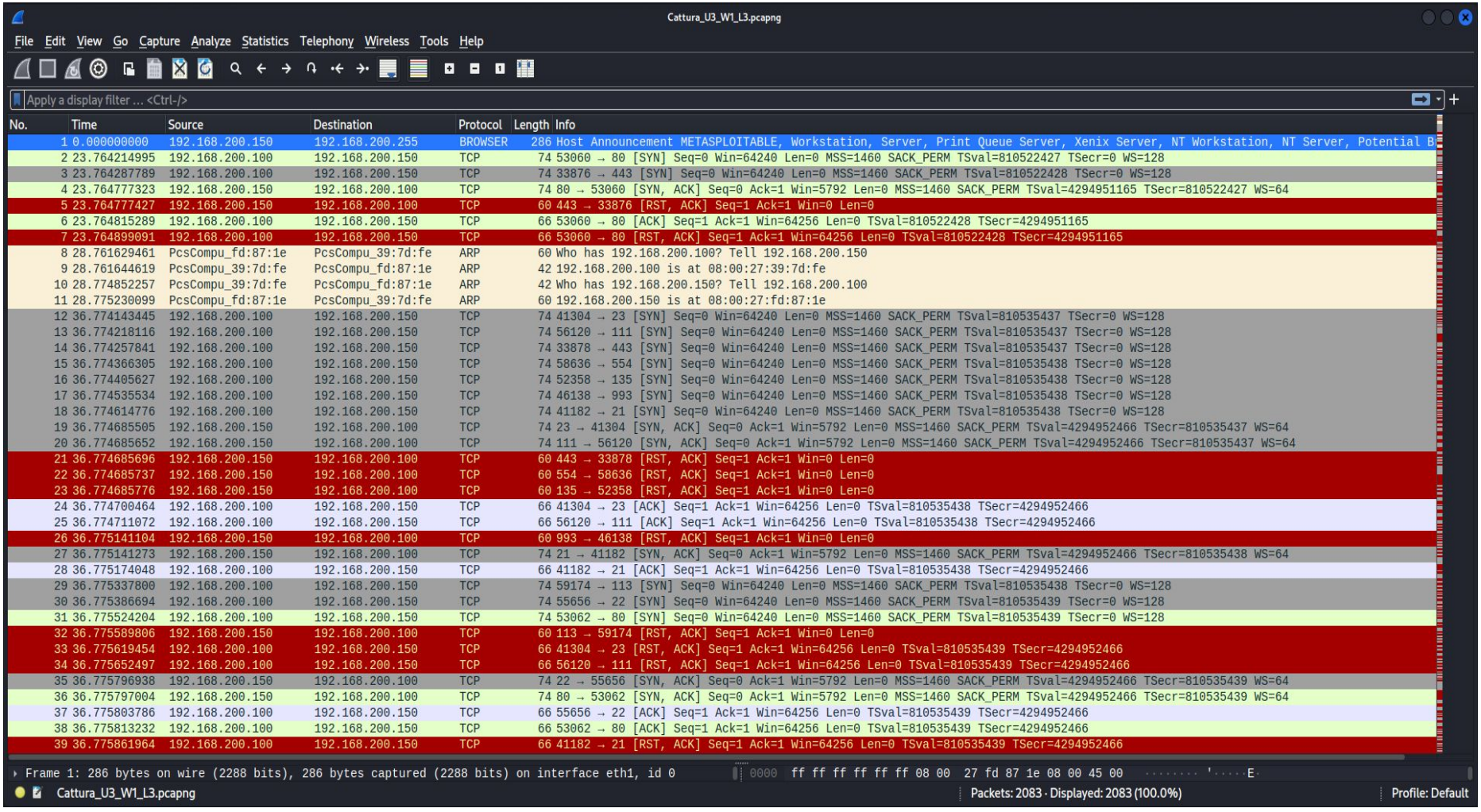
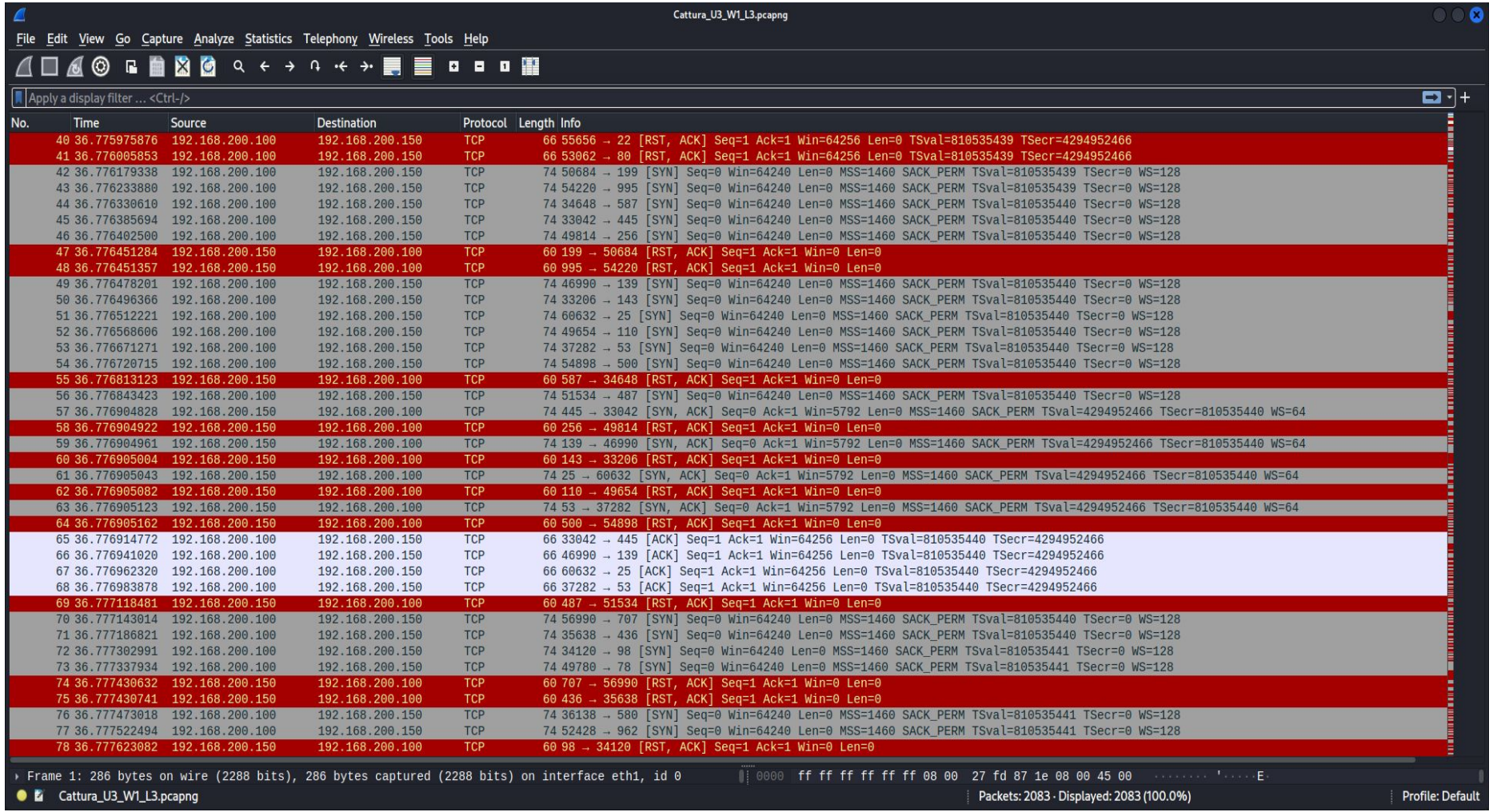
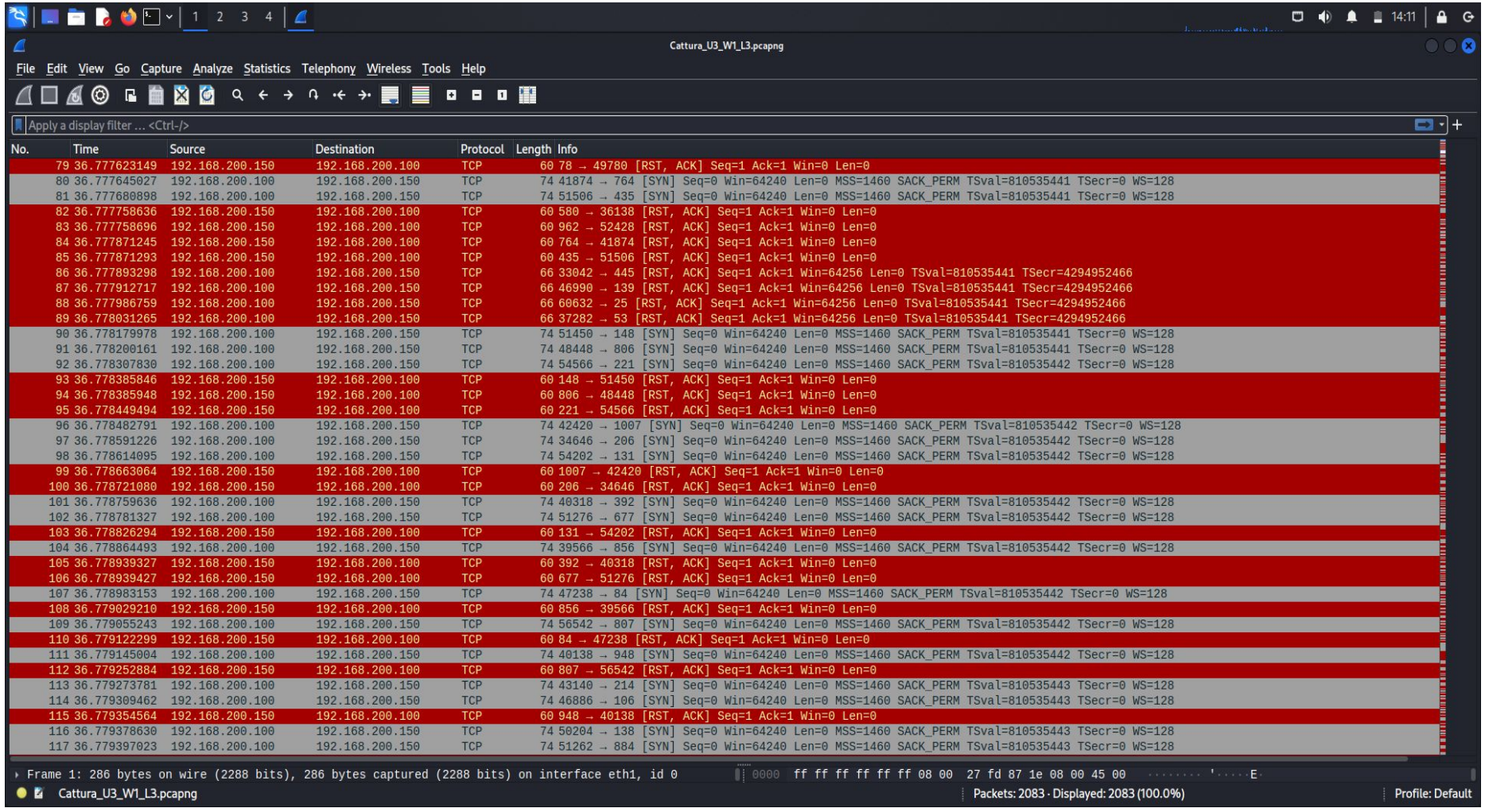
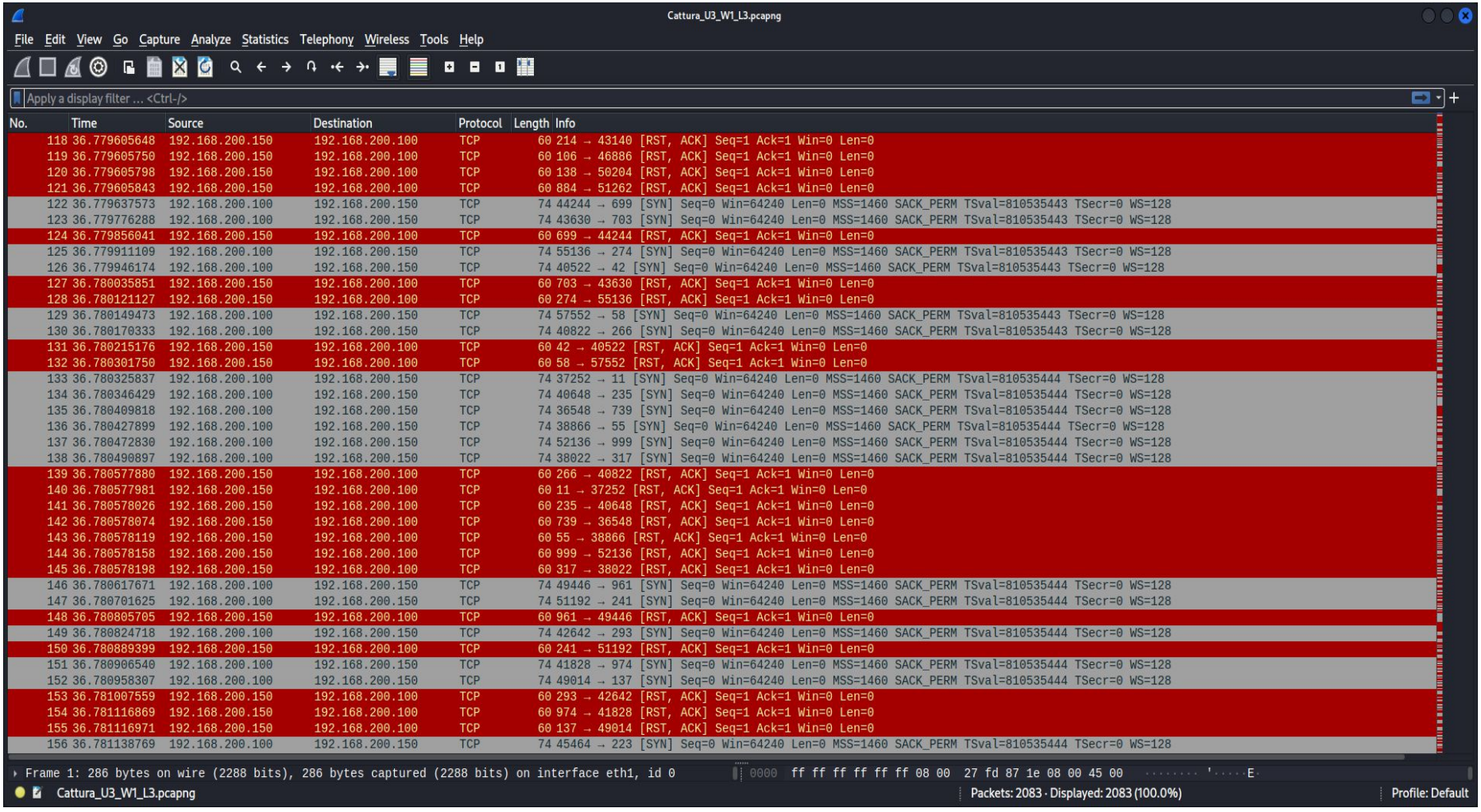
# S9/L3

# Analizzo la seguente scansione del traffico di rete effettuata attraverso Wireshark


Cattura_U3_W1_L3.pcapng
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
No. Time Source Destination Protocol Length Info
1 0.000000000 192.168.200.150 192.168.200.255 BROWSER 286 Host Announcement METASPLOITABLE, Workstation, Server, Print Queue Server, Xenix Server, NT Workstation, NT Server, Potential B
2 23.764214995 192.168.200.100 192.168.200.150 TCP 74 53060 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810522427 TSecr=0 WS=128
3 23.764287789 192.168.200.100 192.168.200.150 TCP 74 33876 → 443 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810522428 TSecr=0 WS=128
4 23.764777323 192.168.200.150 192.168.200.100 TCP 74 80 → 53060 [SYN, ACK] Seq=0 Ack=1 Win=5792 Len=0 MSS=1460 SACK_PERM TSval=4294951165 TSecr=810522427 WS=64
5 23.764777427 192.168.200.150 192.168.200.100 TCP 60 443 → 33876 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
6 23.764815289 192.168.200.100 192.168.200.150 TCP 66 53060 → 80 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810522428 TSecr=4294951165
7 23.764899091 192.168.200.100 192.168.200.150 TCP 66 53060 → 80 [RST, ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810522428 TSecr=4294951165
8 28.761629461 PcsCompu_fd:87:1e PcsCompu_39:7d:fe ARP 60 Who has 192.168.200.100? Tell 192.168.200.150
9 28.761644619 PcsCompu_39:7d:fe PcsCompu_fd:87:1e ARP 42 192.168.200.100 is at 08:00:27:39:7d:fe
10 28.774852257 PcsCompu_39:7d:fe PcsCompu_fd:87:1e ARP 42 Who has 192.168.200.150? Tell 192.168.200.100
11 28.775230099 PcsCompu_fd:87:1e PcsCompu_39:7d:fe ARP 60 192.168.200.150 is at 08:00:27:fd:87:1e
12 36.774143445 192.168.200.100 192.168.200.150 TCP 74 41304 → 23 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535437 TSecr=0 WS=128
13 36.774218116 192.168.200.100 192.168.200.150 TCP 74 56120 → 111 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535437 TSecr=0 WS=128
14 36.774257841 192.168.200.100 192.168.200.150 TCP 74 33878 → 443 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535437 TSecr=0 WS=128
15 36.774366305 192.168.200.100 192.168.200.150 TCP 74 58636 → 554 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535438 TSecr=0 WS=128
16 36.774405627 192.168.200.100 192.168.200.150 TCP 74 52358 → 135 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535438 TSecr=0 WS=128
17 36.774535534 192.168.200.100 192.168.200.150 TCP 74 46138 → 993 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535438 TSecr=0 WS=128
18 36.774614776 192.168.200.100 192.168.200.150 TCP 74 41182 → 21 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535438 TSecr=0 WS=128
19 36.774685505 192.168.200.150 192.168.200.100 TCP 74 23 → 41304 [SYN, ACK] Seq=0 Ack=1 Win=5792 Len=0 MSS=1460 SACK_PERM TSval=4294952466 TSecr=810535437 WS=64
20 36.774685652 192.168.200.150 192.168.200.100 TCP 74 111 → 56120 [SYN, ACK] Seq=0 Ack=1 Win=5792 Len=0 MSS=1460 SACK_PERM TSval=4294952466 TSecr=810535437 WS=64
21 36.774685696 192.168.200.150 192.168.200.100 TCP 60 443 → 33878 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
22 36.774685737 192.168.200.150 192.168.200.100 TCP 60 554 → 58636 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
23 36.774685776 192.168.200.150 192.168.200.100 TCP 60 135 → 52358 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
24 36.774700464 192.168.200.100 192.168.200.150 TCP 66 41304 → 23 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535438 TSecr=4294952466
25 36.774711072 192.168.200.100 192.168.200.150 TCP 66 56120 → 111 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535438 TSecr=4294952466
26 36.775141104 192.168.200.150 192.168.200.100 TCP 60 993 → 46138 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
27 36.775141273 192.168.200.150 192.168.200.100 TCP 74 21 → 41182 [SYN, ACK] Seq=0 Ack=1 Win=5792 Len=0 MSS=1460 SACK_PERM TSval=4294952466 TSecr=810535438 WS=64
28 36.775174048 192.168.200.100 192.168.200.150 TCP 66 41182 → 21 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535438 TSecr=4294952466
29 36.775337800 192.168.200.100 192.168.200.150 TCP 74 59174 → 113 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535438 TSecr=0 WS=128
30 36.775386694 192.168.200.100 192.168.200.150 TCP 74 55656 → 22 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535439 TSecr=0 WS=128
31 36.775524204 192.168.200.100 192.168.200.150 TCP 74 53062 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535439 TSecr=0 WS=128
32 36.775589806 192.168.200.150 192.168.200.100 TCP 60 113 → 59174 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
33 36.775619454 192.168.200.100 192.168.200.150 TCP 66 41304 → 23 [RST, ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535439 TSecr=4294952466
34 36.775652497 192.168.200.100 192.168.200.150 TCP 66 56120 → 111 [RST, ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535439 TSecr=4294952466
35 36.775796938 192.168.200.150 192.168.200.100 TCP 74 22 → 55656 [SYN, ACK] Seq=0 Ack=1 Win=5792 Len=0 MSS=1460 SACK_PERM TSval=4294952466 TSecr=810535439 WS=64
36 36.775797004 192.168.200.150 192.168.200.100 TCP 74 80 → 53062 [SYN, ACK] Seq=0 Ack=1 Win=5792 Len=0 MSS=1460 SACK_PERM TSval=4294952466 TSecr=810535439 WS=64
37 36.775803786 192.168.200.100 192.168.200.150 TCP 66 55656 → 22 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535439 TSecr=4294952466
38 36.775813232 192.168.200.100 192.168.200.150 TCP 66 53062 → 80 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535439 TSecr=4294952466
39 36.775861964 192.168.200.100 192.168.200.150 TCP 66 41182 → 21 [RST, ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535439 TSecr=4294952466
Frame 1: 286 bytes on wire (2288 bits), 286 bytes captured (2288 bits) on interface eth1, id 0
0000 ff ff ff ff ff ff 08 00 27 fd 87 1e 08 00 45 00
Cattura_U3_W1_L3.pcapng
Packets: 2083 · Displayed: 2083 (100.0%)
Profile: Default


Cattura_U3_W1_L3.pcapng
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
No. Time Source Destination Protocol Length Info
40 36.775975876 192.168.200.100 192.168.200.150 TCP 66 55656 → 22 [RST, ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535439 TSecr=4294952466
41 36.776005853 192.168.200.100 192.168.200.150 TCP 66 53062 → 80 [RST, ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535439 TSecr=4294952466
42 36.776179338 192.168.200.100 192.168.200.150 TCP 74 50684 → 199 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535439 TSecr=0 WS=128
43 36.776233880 192.168.200.100 192.168.200.150 TCP 74 54220 → 995 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535439 TSecr=0 WS=128
44 36.776330610 192.168.200.100 192.168.200.150 TCP 74 34648 → 587 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535440 TSecr=0 WS=128
45 36.776385694 192.168.200.100 192.168.200.150 TCP 74 33042 → 445 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535440 TSecr=0 WS=128
46 36.776402500 192.168.200.100 192.168.200.150 TCP 74 49814 → 256 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535440 TSecr=0 WS=128
47 36.776451284 192.168.200.150 192.168.200.100 TCP 60 199 → 50684 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
48 36.776451357 192.168.200.150 192.168.200.100 TCP 60 995 → 54220 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
49 36.776478201 192.168.200.100 192.168.200.150 TCP 74 46990 → 139 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535440 TSecr=0 WS=128
50 36.776496366 192.168.200.100 192.168.200.150 TCP 74 33206 → 143 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535440 TSecr=0 WS=128
51 36.776512221 192.168.200.100 192.168.200.150 TCP 74 60632 → 25 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535440 TSecr=0 WS=128
52 36.776568606 192.168.200.100 192.168.200.150 TCP 74 49654 → 110 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535440 TSecr=0 WS=128
53 36.776671271 192.168.200.100 192.168.200.150 TCP 74 37282 → 53 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535440 TSecr=0 WS=128
54 36.776720715 192.168.200.100 192.168.200.150 TCP 74 54898 → 500 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535440 TSecr=0 WS=128
55 36.776813123 192.168.200.150 192.168.200.100 TCP 60 587 → 34648 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
56 36.776843423 192.168.200.100 192.168.200.150 TCP 74 51534 → 487 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535440 TSecr=0 WS=128
57 36.776904828 192.168.200.150 192.168.200.100 TCP 74 445 → 33042 [SYN, ACK] Seq=0 Ack=1 Win=5792 Len=0 MSS=1460 SACK_PERM TSval=4294952466 TSecr=810535440 WS=64
58 36.776904922 192.168.200.150 192.168.200.100 TCP 60 256 → 49814 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
59 36.776904961 192.168.200.150 192.168.200.100 TCP 74 139 → 46990 [SYN, ACK] Seq=0 Ack=1 Win=5792 Len=0 MSS=1460 SACK_PERM TSval=4294952466 TSecr=810535440 WS=64
60 36.776905004 192.168.200.150 192.168.200.100 TCP 60 143 → 33206 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
61 36.776905043 192.168.200.150 192.168.200.100 TCP 74 25 → 60632 [SYN, ACK] Seq=0 Ack=1 Win=5792 Len=0 MSS=1460 SACK_PERM TSval=4294952466 TSecr=810535440 WS=64
62 36.776905082 192.168.200.150 192.168.200.100 TCP 60 110 → 49654 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
63 36.776905123 192.168.200.150 192.168.200.100 TCP 74 53 → 37282 [SYN, ACK] Seq=0 Ack=1 Win=5792 Len=0 MSS=1460 SACK_PERM TSval=4294952466 TSecr=810535440 WS=64
64 36.776905162 192.168.200.150 192.168.200.100 TCP 60 500 → 54898 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
65 36.776914772 192.168.200.100 192.168.200.150 TCP 66 33042 → 445 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535440 TSecr=4294952466
66 36.776941020 192.168.200.100 192.168.200.150 TCP 66 46990 → 139 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535440 TSecr=4294952466
67 36.776962320 192.168.200.100 192.168.200.150 TCP 66 60632 → 25 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535440 TSecr=4294952466
68 36.776983878 192.168.200.100 192.168.200.150 TCP 66 37282 → 53 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535440 TSecr=4294952466
69 36.777118481 192.168.200.150 192.168.200.100 TCP 60 487 → 51534 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
70 36.777143014 192.168.200.100 192.168.200.150 TCP 74 56990 → 707 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535440 TSecr=0 WS=128
71 36.777186821 192.168.200.100 192.168.200.150 TCP 74 35638 → 436 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535440 TSecr=0 WS=128
72 36.777302991 192.168.200.100 192.168.200.150 TCP 74 34120 → 98 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535441 TSecr=0 WS=128
73 36.777337934 192.168.200.100 192.168.200.150 TCP 74 49780 → 78 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535441 TSecr=0 WS=128
74 36.777430632 192.168.200.150 192.168.200.100 TCP 60 707 → 56990 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
75 36.777430741 192.168.200.150 192.168.200.100 TCP 60 436 → 35638 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
76 36.777473018 192.168.200.100 192.168.200.150 TCP 74 36138 → 580 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535441 TSecr=0 WS=128
77 36.777522494 192.168.200.100 192.168.200.150 TCP 74 52428 → 962 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535441 TSecr=0 WS=128
78 36.777623082 192.168.200.150 192.168.200.100 TCP 60 98 → 34120 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
Frame 1: 286 bytes on wire (2288 bits), 286 bytes captured (2288 bits) on interface eth1, id 0
0000 ff ff ff ff ff ff 08 00 27 fd 87 1e 08 00 45 00
Cattura_U3_W1_L3.pcapng
Packets: 2083 · Displayed: 2083 (100.0%)
Profile: Default


Cattura_U3_W1_L3.pcapng
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
No. Time Source Destination Protocol Length Info
79 36.777623149 192.168.200.150 192.168.200.100 TCP 60 78 → 49780 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
80 36.777645027 192.168.200.100 192.168.200.150 TCP 74 41874 → 764 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535441 TSecr=0 WS=128
81 36.777680898 192.168.200.100 192.168.200.150 TCP 74 51506 → 435 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535441 TSecr=0 WS=128
82 36.777758636 192.168.200.150 192.168.200.100 TCP 60 580 → 36138 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
83 36.777758696 192.168.200.150 192.168.200.100 TCP 60 962 → 52428 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
84 36.777871245 192.168.200.150 192.168.200.100 TCP 60 764 → 41874 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
85 36.777871293 192.168.200.150 192.168.200.100 TCP 60 435 → 51506 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
86 36.777893298 192.168.200.100 192.168.200.150 TCP 66 33042 → 445 [RST, ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535441 TSecr=4294952466
87 36.777912717 192.168.200.100 192.168.200.150 TCP 66 46990 → 139 [RST, ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535441 TSecr=4294952466
88 36.777986759 192.168.200.100 192.168.200.150 TCP 66 60632 → 25 [RST, ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535441 TSecr=4294952466
89 36.778031265 192.168.200.100 192.168.200.150 TCP 66 37282 → 53 [RST, ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535441 TSecr=4294952466
90 36.778179978 192.168.200.100 192.168.200.150 TCP 74 51450 → 148 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535441 TSecr=0 WS=128
91 36.778200161 192.168.200.100 192.168.200.150 TCP 74 48448 → 806 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535441 TSecr=0 WS=128
92 36.778307830 192.168.200.100 192.168.200.150 TCP 74 54566 → 221 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535442 TSecr=0 WS=128
93 36.778385846 192.168.200.150 192.168.200.100 TCP 60 148 → 51450 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
94 36.778385948 192.168.200.150 192.168.200.100 TCP 60 806 → 48448 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
95 36.778449494 192.168.200.150 192.168.200.100 TCP 60 221 → 54566 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
96 36.778482791 192.168.200.100 192.168.200.150 TCP 74 42420 → 1007 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535442 TSecr=0 WS=128
97 36.778591226 192.168.200.100 192.168.200.150 TCP 74 34646 → 206 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535442 TSecr=0 WS=128
98 36.778614095 192.168.200.100 192.168.200.150 TCP 74 54202 → 131 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535442 TSecr=0 WS=128
99 36.778663064 192.168.200.150 192.168.200.100 TCP 60 1007 → 42420 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
100 36.778721080 192.168.200.150 192.168.200.100 TCP 60 206 → 34646 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
101 36.778759636 192.168.200.100 192.168.200.150 TCP 74 40318 → 392 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535442 TSecr=0 WS=128
102 36.778781327 192.168.200.100 192.168.200.150 TCP 74 51276 → 677 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535442 TSecr=0 WS=128
103 36.778826294 192.168.200.150 192.168.200.100 TCP 60 131 → 54202 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
104 36.778864493 192.168.200.100 192.168.200.150 TCP 74 39566 → 856 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535442 TSecr=0 WS=128
105 36.778939327 192.168.200.150 192.168.200.100 TCP 60 392 → 40318 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
106 36.778939427 192.168.200.150 192.168.200.100 TCP 60 677 → 51276 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
107 36.778983153 192.168.200.100 192.168.200.150 TCP 74 47238 → 84 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535442 TSecr=0 WS=128
108 36.779029210 192.168.200.150 192.168.200.100 TCP 60 856 → 39566 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
109 36.779055243 192.168.200.100 192.168.200.150 TCP 74 56542 → 807 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535442 TSecr=0 WS=128
110 36.779122299 192.168.200.150 192.168.200.100 TCP 60 84 → 47238 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
111 36.779145004 192.168.200.100 192.168.200.150 TCP 74 40138 → 948 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535442 TSecr=0 WS=128
112 36.779252884 192.168.200.150 192.168.200.100 TCP 60 807 → 56542 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
113 36.779273781 192.168.200.100 192.168.200.150 TCP 74 43140 → 214 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535443 TSecr=0 WS=128
114 36.779309462 192.168.200.100 192.168.200.150 TCP 74 46886 → 106 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535443 TSecr=0 WS=128
115 36.779354564 192.168.200.150 192.168.200.100 TCP 60 948 → 40138 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
116 36.779378630 192.168.200.100 192.168.200.150 TCP 74 50204 → 138 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535443 TSecr=0 WS=128
117 36.779397023 192.168.200.100 192.168.200.150 TCP 74 51262 → 884 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535443 TSecr=0 WS=128
Frame 1: 286 bytes on wire (2288 bits), 286 bytes captured (2288 bits) on interface eth1, id 0
0000 ff ff ff ff ff ff 08 00 27 fd 87 1e 08 00 45 00
Cattura_U3_W1_L3.pcapng
Packets: 2083 · Displayed: 2083 (100.0%)
Profile: Default


Cattura_U3_W1_L3.pcapng
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
No. Time Source Destination Protocol Length Info
118 36.779605648 192.168.200.150 192.168.200.100 TCP 60 214 → 43140 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
119 36.779605750 192.168.200.150 192.168.200.100 TCP 60 106 → 46886 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
120 36.779605798 192.168.200.150 192.168.200.100 TCP 60 138 → 50204 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
121 36.779605843 192.168.200.150 192.168.200.100 TCP 60 884 → 51262 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
122 36.779637573 192.168.200.100 192.168.200.150 TCP 74 44244 → 699 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535443 TSecr=0 WS=128
123 36.779776288 192.168.200.100 192.168.200.150 TCP 74 43630 → 703 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535443 TSecr=0 WS=128
124 36.779856041 192.168.200.150 192.168.200.100 TCP 60 699 → 44244 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
125 36.779911109 192.168.200.100 192.168.200.150 TCP 74 55136 → 274 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535443 TSecr=0 WS=128
126 36.779946174 192.168.200.100 192.168.200.150 TCP 74 40522 → 42 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535443 TSecr=0 WS=128
127 36.780035851 192.168.200.150 192.168.200.100 TCP 60 703 → 43630 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
128 36.780121127 192.168.200.150 192.168.200.100 TCP 60 274 → 55136 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
129 36.780149473 192.168.200.100 192.168.200.150 TCP 74 57552 → 58 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535443 TSecr=0 WS=128
130 36.780170333 192.168.200.100 192.168.200.150 TCP 74 40822 → 266 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535443 TSecr=0 WS=128
131 36.780215176 192.168.200.150 192.168.200.100 TCP 60 42 → 40522 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
132 36.780301750 192.168.200.150 192.168.200.100 TCP 60 58 → 57552 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
133 36.780325837 192.168.200.100 192.168.200.150 TCP 74 37252 → 11 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535444 TSecr=0 WS=128
134 36.780346429 192.168.200.100 192.168.200.150 TCP 74 40648 → 235 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535444 TSecr=0 WS=128
135 36.780409818 192.168.200.100 192.168.200.150 TCP 74 36548 → 739 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535444 TSecr=0 WS=128
136 36.780427899 192.168.200.100 192.168.200.150 TCP 74 38866 → 55 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535444 TSecr=0 WS=128
137 36.780472830 192.168.200.100 192.168.200.150 TCP 74 52136 → 999 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535444 TSecr=0 WS=128
138 36.780490897 192.168.200.100 192.168.200.150 TCP 74 38022 → 317 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535444 TSecr=0 WS=128
139 36.780577880 192.168.200.150 192.168.200.100 TCP 60 266 → 40822 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
140 36.780577981 192.168.200.150 192.168.200.100 TCP 60 11 → 37252 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
141 36.780578026 192.168.200.150 192.168.200.100 TCP 60 235 → 40648 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
142 36.780578074 192.168.200.150 192.168.200.100 TCP 60 739 → 36548 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
143 36.780578119 192.168.200.150 192.168.200.100 TCP 60 55 → 38866 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
144 36.780578158 192.168.200.150 192.168.200.100 TCP 60 999 → 52136 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
145 36.780578198 192.168.200.150 192.168.200.100 TCP 60 317 → 38022 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
146 36.780617671 192.168.200.100 192.168.200.150 TCP 74 49446 → 961 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535444 TSecr=0 WS=128
147 36.780701625 192.168.200.100 192.168.200.150 TCP 74 51192 → 241 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535444 TSecr=0 WS=128
148 36.780805705 192.168.200.150 192.168.200.100 TCP 60 961 → 49446 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
149 36.780824718 192.168.200.100 192.168.200.150 TCP 74 42642 → 293 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535444 TSecr=0 WS=128
150 36.780889399 192.168.200.150 192.168.200.100 TCP 60 241 → 51192 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
151 36.780906540 192.168.200.100 192.168.200.150 TCP 74 41828 → 974 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535444 TSecr=0 WS=128
152 36.780958307 192.168.200.100 192.168.200.150 TCP 74 49014 → 137 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535444 TSecr=0 WS=128
153 36.781007559 192.168.200.150 192.168.200.100 TCP 60 293 → 42642 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
154 36.781116869 192.168.200.150 192.168.200.100 TCP 60 974 → 41828 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
155 36.781116971 192.168.200.150 192.168.200.100 TCP 60 137 → 49014 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
156 36.781138769 192.168.200.100 192.168.200.150 TCP 74 45464 → 223 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM TSval=810535444 TSecr=0 WS=128
Frame 1: 286 bytes on wire (2288 bits), 286 bytes captured (2288 bits) on interface eth1, id 0
0000 ff ff ff ff ff ff 08 00 27 fd 87 1e 08 00 45 00 ........ '.....E·
Cattura_U3_W1_L3.pcapng
Packets: 2083 · Displayed: 2083 (100.0%)
Profile: Default

Mi rendo subito conto che ci sono numerosi pacchetti TCP SYN inviati da due IP, si presume, sconosciuti. Vista la quantità di richieste, è possibile ipotizzare che si possa trattare sia di un attacco utilizzato per identificare le porte aperte sull'host di destinazione (*scansione malevola delle porte*), ma anche, e soprattutto io penso, per sovraccaricare l'host di destinazione e renderlo inaccessibile (*DDoS*).

Inoltre, osservo anche numerose richieste ARP, e, se si tratta di un attacco, in questo caso il black hat può indirizzare il traffico di rete verso un dispositivo compromesso (*ARP spoofing*).

In base a questi IOC, è possibile ipotizzare, in definitiva, che è stato utilizzato l'attacco di ARP spoofing per indirizzare il traffico di rete verso due host compromessi. L'ARP spoofing è una tecnica che consente ad un utente di "impersonare" un altro host sulla rete. Gli host compromessi iniziano ad inviare pacchetti TCP SYN ad un certo target. I pacchetti TCP SYN sono pacchetti di richiesta che vengono inviati prima di avviare una connessione TCP. L'host di destinazione riceve un numero elevato di pacchetti TCP SYN dall'host compromesso, e questo lo sovraccarica rendendolo inaccessibile.

Esistono diverse misure che possono essere adottate per proteggere le reti dagli attacchi di ARP spoofing:

- l’aggiornamento dei software di sistema e del sistema stesso è importante per correggere le vulnerabilità che potrebbero essere sfruttate dagli attacchi ARP spoofing;
- un firewall può aiutare a bloccare i pacchetti ARP spoofing attraverso una regola specifica;
- un SIEM può aiutare a rilevare e rispondere agli attacchi ARP spoofing;
- la formazione degli utenti sulle pratiche di sicurezza informatica può aiutare a prevenire gli attacchi di ARP spoofing.