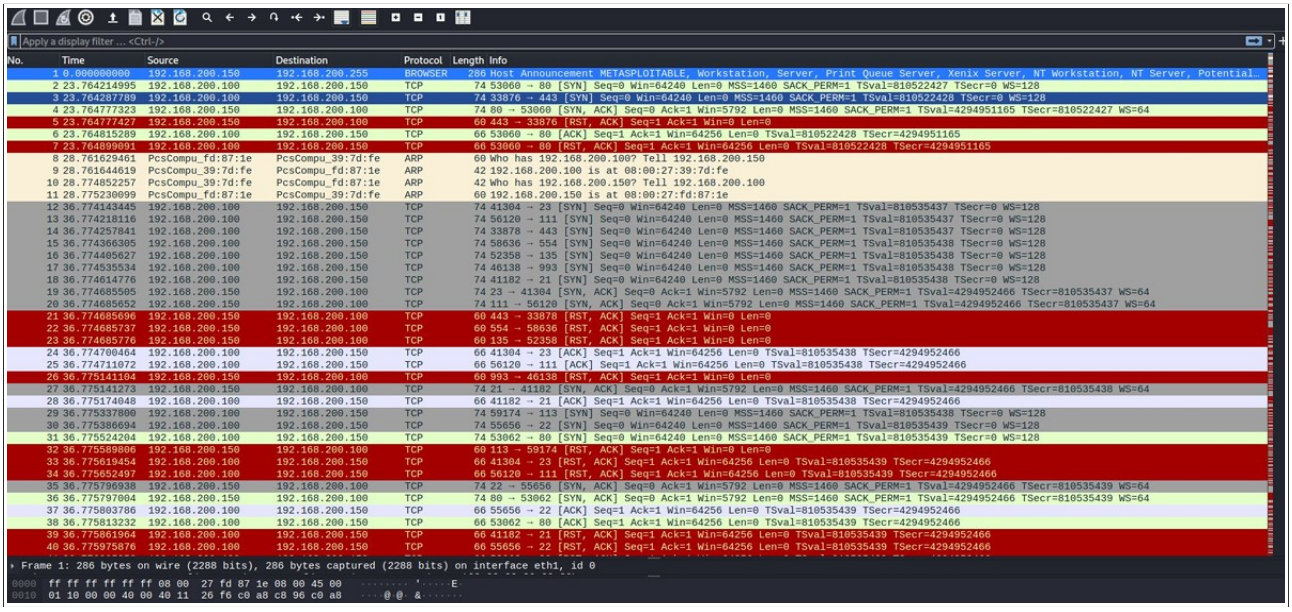
Report Analisi di rete W19D4

In questo esercizio dovremo analizzare gli screenshot forniti nelle slide per:

- Identificare eventuali IOC, ovvero evidenze di attacchi in corso;
- In base agli IOC trovati, fare delle ipotesi sui potenziali vettori di attacco utilizzati;
- Consigliare un’azione per ridurre gli impatti dell’attacco.



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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…
   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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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
  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
› 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·
0010  01 10 00 00 40 00 40 11  26 f6 c0 a8 c8 96 c0 a8   ····@·@·&·······
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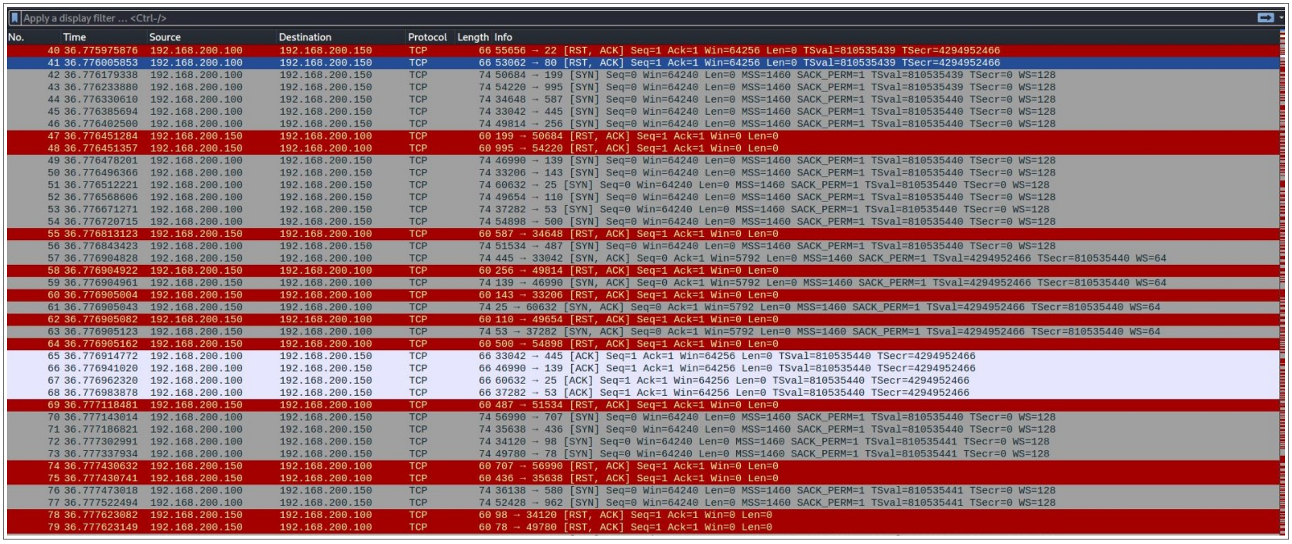

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No.   Time          Source             Destination        Protocol Length Info
  40 36.775975876  192.168.200.100    192.168.200.150    TCP       66 55656 → 22 [RST, ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535439 TSecr=4294952466
  41 36.776005853  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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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
  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
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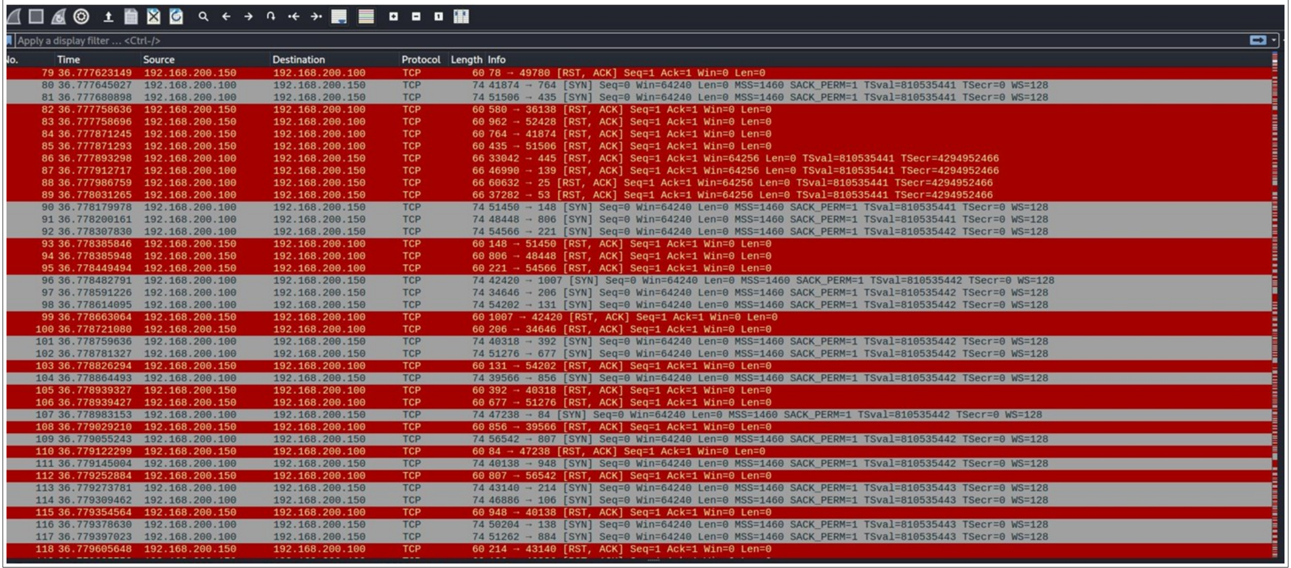

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No.   Time          Source            Destination       Protocol  Length Info
   79 36.777623149  192.168.200.150   192.168.200.100   TCP       60 78 → 49780 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
   80 36.777645027  192.168.200.100   192.168.200.150   TCP       74 41874 → 764 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 TSval=810535443 TSecr=0 WS=128
  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
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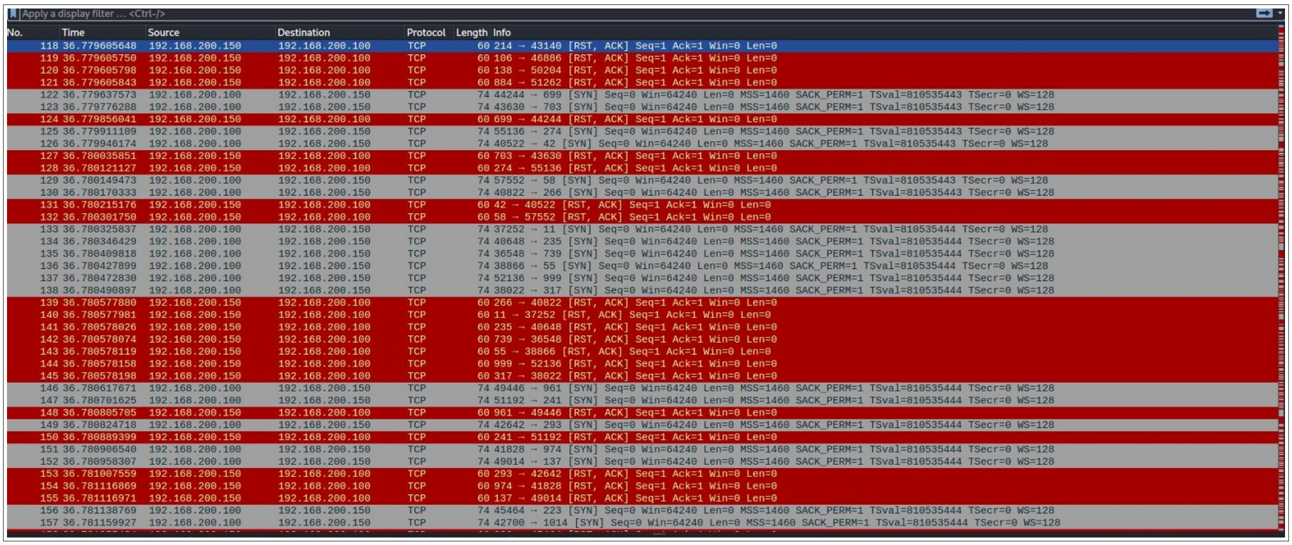

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  119 36.779605750  192.168.200.150   192.168.200.100   TCP       60 106 → 46886 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  120 36.779605798  192.168.200.150   192.168.200.100   TCP       60 138 → 50204 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
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  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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 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=1 TSval=810535444 TSecr=0 WS=128
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  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
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  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=1 TSval=810535444 TSecr=0 WS=128
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  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=1 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=1 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=1 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=1 TSval=810535444 TSecr=0 WS=128
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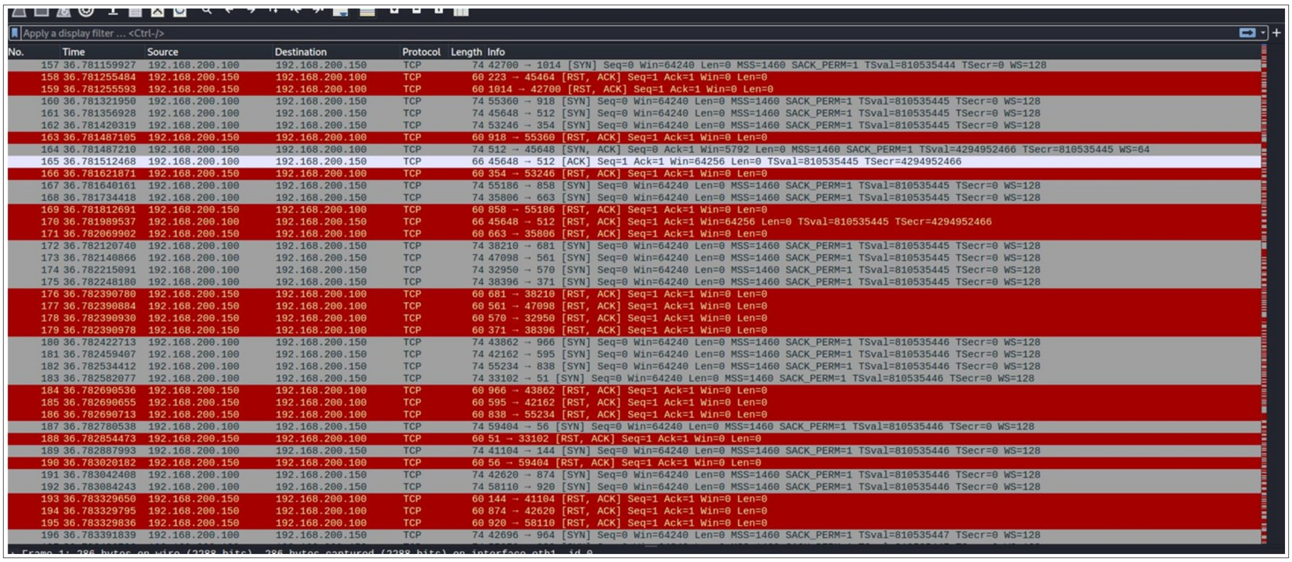

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  158 36.781255484 192.168.200.150  192.168.200.100  TCP      60 223 → 45464 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  159 36.781255593 192.168.200.150  192.168.200.100  TCP      60 1014 → 42700 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  160 36.781321950 192.168.200.100  192.168.200.150  TCP      74 55360 → 918 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535445 TSecr=0 WS=128
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  162 36.781420319 192.168.200.100  192.168.200.150  TCP      74 53246 → 354 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535445 TSecr=0 WS=128
  163 36.781487105 192.168.200.150  192.168.200.100  TCP      60 918 → 55360 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  164 36.781487210 192.168.200.150  192.168.200.100  TCP      74 512 → 45648 [SYN, ACK] Seq=0 Ack=1 Win=5792 Len=0 MSS=1460 SACK_PERM=1 TSval=4294952466 TSecr=810535445 WS=64
  165 36.781512468 192.168.200.100  192.168.200.150  TCP      66 45648 → 512 [ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535445 TSecr=4294952466
  166 36.781621871 192.168.200.150  192.168.200.100  TCP      60 354 → 53246 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  167 36.781640161 192.168.200.100  192.168.200.150  TCP      74 55186 → 858 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535445 TSecr=0 WS=128
  168 36.781734418 192.168.200.100  192.168.200.150  TCP      74 35806 → 663 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535445 TSecr=0 WS=128
  169 36.781812691 192.168.200.150  192.168.200.100  TCP      60 858 → 55186 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  170 36.781989537 192.168.200.100  192.168.200.150  TCP      66 45648 → 512 [RST, ACK] Seq=1 Ack=1 Win=64256 Len=0 TSval=810535445 TSecr=4294952466
  171 36.782069902 192.168.200.150  192.168.200.100  TCP      60 663 → 35806 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
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  173 36.782140866 192.168.200.100  192.168.200.150  TCP      74 47098 → 561 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535445 TSecr=0 WS=128
  174 36.782215091 192.168.200.100  192.168.200.150  TCP      74 32950 → 570 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535445 TSecr=0 WS=128
  175 36.782248180 192.168.200.100  192.168.200.150  TCP      74 38396 → 371 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535445 TSecr=0 WS=128
  176 36.782390780 192.168.200.150  192.168.200.100  TCP      60 681 → 38210 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  177 36.782390884 192.168.200.150  192.168.200.100  TCP      60 561 → 47098 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  178 36.782390930 192.168.200.150  192.168.200.100  TCP      60 570 → 32950 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  179 36.782390978 192.168.200.150  192.168.200.100  TCP      60 371 → 38396 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  180 36.782422713 192.168.200.100  192.168.200.150  TCP      74 43862 → 966 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535446 TSecr=0 WS=128
  181 36.782459407 192.168.200.100  192.168.200.150  TCP      74 42162 → 595 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535446 TSecr=0 WS=128
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  183 36.782582077 192.168.200.100  192.168.200.150  TCP      74 33102 → 51 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535446 TSecr=0 WS=128
  184 36.782690536 192.168.200.150  192.168.200.100  TCP      60 966 → 43862 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  185 36.782690655 192.168.200.150  192.168.200.100  TCP      60 595 → 42162 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  186 36.782690713 192.168.200.150  192.168.200.100  TCP      60 838 → 55234 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  187 36.782780538 192.168.200.100  192.168.200.150  TCP      74 59404 → 56 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535446 TSecr=0 WS=128
  188 36.782854473 192.168.200.150  192.168.200.100  TCP      60 51 → 33102 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  189 36.782887993 192.168.200.100  192.168.200.150  TCP      74 41104 → 144 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535446 TSecr=0 WS=128
  190 36.783020182 192.168.200.150  192.168.200.100  TCP      60 56 → 59404 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  191 36.783042408 192.168.200.100  192.168.200.150  TCP      74 42620 → 874 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535446 TSecr=0 WS=128
  192 36.783084243 192.168.200.100  192.168.200.150  TCP      74 58110 → 920 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535446 TSecr=0 WS=128
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  194 36.783329795 192.168.200.150  192.168.200.100  TCP      60 874 → 42620 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  195 36.783329836 192.168.200.150  192.168.200.100  TCP      60 920 → 58110 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  196 36.783391839 192.168.200.100  192.168.200.150  TCP      74 42696 → 964 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535447 TSecr=0 WS=128
› Frame 1: 286 bytes on wire (2288 bits), 286 bytes captured (2288 bits) on interface eth1, id 0
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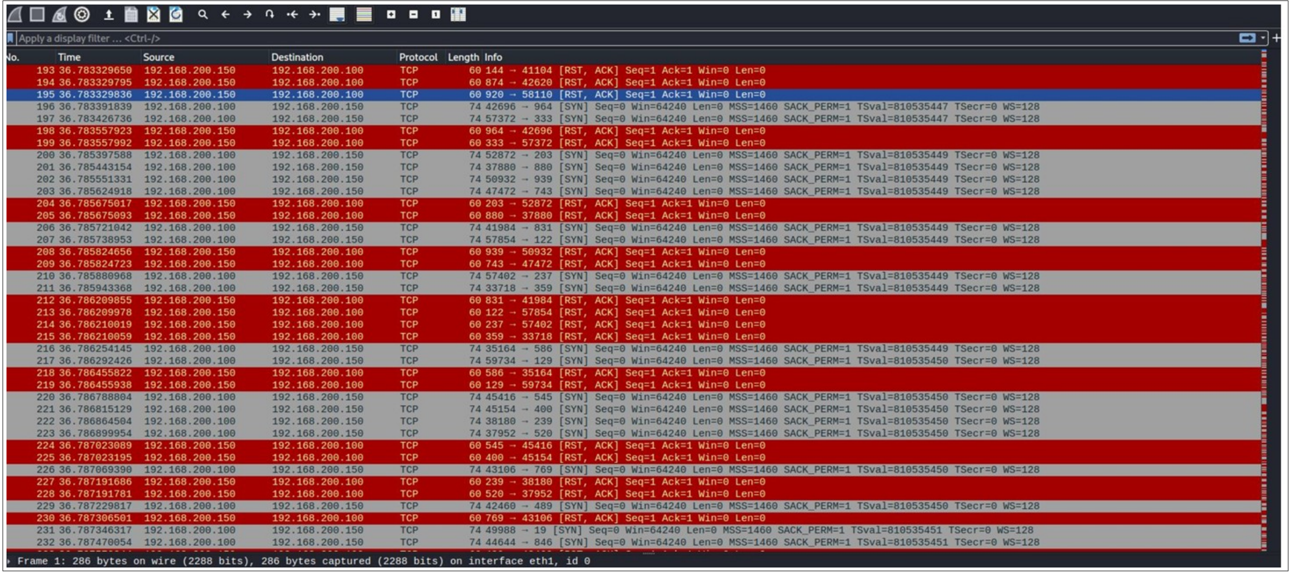

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  195 36.783329836 192.168.200.150  192.168.200.100  TCP      60 920 → 58110 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  196 36.783391839 192.168.200.100  192.168.200.150  TCP      74 42696 → 964 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535447 TSecr=0 WS=128
  197 36.783426736 192.168.200.100  192.168.200.150  TCP      74 57372 → 333 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535447 TSecr=0 WS=128
  198 36.783557923 192.168.200.150  192.168.200.100  TCP      60 964 → 42696 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  199 36.783557992 192.168.200.150  192.168.200.100  TCP      60 333 → 57372 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  200 36.785397588 192.168.200.100  192.168.200.150  TCP      74 52872 → 203 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535449 TSecr=0 WS=128
  201 36.785443154 192.168.200.100  192.168.200.150  TCP      74 37880 → 880 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535449 TSecr=0 WS=128
  202 36.785551331 192.168.200.100  192.168.200.150  TCP      74 50932 → 939 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535449 TSecr=0 WS=128
  203 36.785624918 192.168.200.100  192.168.200.150  TCP      74 47472 → 743 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535449 TSecr=0 WS=128
  204 36.785675017 192.168.200.150  192.168.200.100  TCP      60 203 → 52872 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  205 36.785675093 192.168.200.150  192.168.200.100  TCP      60 880 → 37880 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  206 36.785721042 192.168.200.100  192.168.200.150  TCP      74 41984 → 831 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535449 TSecr=0 WS=128
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  208 36.785824656 192.168.200.150  192.168.200.100  TCP      60 939 → 50932 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  209 36.785824723 192.168.200.150  192.168.200.100  TCP      60 743 → 47472 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  210 36.785880968 192.168.200.100  192.168.200.150  TCP      74 57402 → 237 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535449 TSecr=0 WS=128
  211 36.785943368 192.168.200.100  192.168.200.150  TCP      74 33718 → 359 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535449 TSecr=0 WS=128
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  213 36.786209978 192.168.200.150  192.168.200.100  TCP      60 122 → 57854 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  214 36.786210019 192.168.200.150  192.168.200.100  TCP      60 237 → 57402 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  215 36.786210059 192.168.200.150  192.168.200.100  TCP      60 359 → 33718 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  216 36.786254145 192.168.200.100  192.168.200.150  TCP      74 35164 → 586 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535449 TSecr=0 WS=128
  217 36.786292426 192.168.200.100  192.168.200.150  TCP      74 59734 → 129 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535450 TSecr=0 WS=128
  218 36.786455822 192.168.200.150  192.168.200.100  TCP      60 586 → 35164 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  219 36.786455938 192.168.200.150  192.168.200.100  TCP      60 129 → 59734 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  220 36.786788804 192.168.200.100  192.168.200.150  TCP      74 45416 → 545 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535450 TSecr=0 WS=128
  221 36.786815129 192.168.200.100  192.168.200.150  TCP      74 45154 → 400 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535450 TSecr=0 WS=128
  222 36.786864504 192.168.200.100  192.168.200.150  TCP      74 38180 → 239 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535450 TSecr=0 WS=128
  223 36.786899954 192.168.200.100  192.168.200.150  TCP      74 37952 → 520 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535450 TSecr=0 WS=128
  224 36.787023089 192.168.200.150  192.168.200.100  TCP      60 545 → 45416 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  225 36.787023195 192.168.200.150  192.168.200.100  TCP      60 400 → 45154 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  226 36.787069390 192.168.200.100  192.168.200.150  TCP      74 43106 → 769 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535450 TSecr=0 WS=128
  227 36.787191686 192.168.200.150  192.168.200.100  TCP      60 239 → 38180 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  228 36.787191781 192.168.200.150  192.168.200.100  TCP      60 520 → 37952 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  229 36.787229817 192.168.200.100  192.168.200.150  TCP      74 42460 → 489 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535450 TSecr=0 WS=128
  230 36.787306501 192.168.200.150  192.168.200.100  TCP      60 769 → 43106 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
  231 36.787346317 192.168.200.100  192.168.200.150  TCP      74 49988 → 19 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535451 TSecr=0 WS=128
  232 36.787470054 192.168.200.100  192.168.200.150  TCP      74 44644 → 846 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=810535451 TSecr=0 WS=128
› Frame 1: 286 bytes on wire (2288 bits), 286 bytes captured (2288 bits) on interface eth1, id 0
```

Informazioni generali:

- IP attaccante: 192.168.200.100
- IP target: 192.168.200.150

Dagli screenshot si può dedurre che l’attaccante sta tentando molteplici connessioni sul target per determinare se e quali porte siano aperte.
Questo può essere dovuto ad una scansione (ad esempio con Nmap) lanciata dall’attaccante versp il target.

Porte aperte (risposta ACK alla three-way-handshake): 23, 111, 21, 80, 22, 445, 53, 25, 139, 512.

Possibili azioni di remediation:

- Bloccare l’IP che sta attaccando;
- Configurare regole firewall per le porte aperte;
- Chiudere le porte aperte vulnerabili o non utilizzate;
- Se possibile proteggere l’accesso alle porte tramite l’uso di credenziali sicure.

Facoltativo

Cos’è il CSIRT italia (ACN) e quali sono i suoi compiti?

- Il CSIRT Italia, che fa capo all'Agenzia per la Cybersicurezza Nazionale (ACN), è l’organismo responsabile a livello nazionale per affrontare gli incidenti informatici. Svolge attività sia preventive che di risposta agli attacchi, occupandosi di monitoraggio, analisi, gestione e prevenzione degli incidenti. Inoltre, coordina le proprie azioni con altri soggetti rilevanti, come il Nucleo per la Sicurezza Cibernetica e il punto di contatto unico previsto dalla direttiva NIS.

Analizzando l’allerta fornita nell’esercizio, di seguito vengono indicate le possibili azioni di prevenzione contro questa campagna di phishing:

- Sensibilizzare i dipendenti ad un uso sicuro delle risorse aziendali e di come non farsi trarre in inganno dalle email di phishing;
- Verificare sempre che le email ricevute provengano da indirizzi legittimi;
- Non cliccare mai su eventuali link o bottoni contenuti sulle mail di dubbia provenienza;
- Non inserire mai i propri dati personali su siti non verificati;
- Segnalare al team IT eventuali mail sospette;
- Bloccare indirizzi o domini mittenti riconosciuti come malevoli.