

C:\Users\justi\AppData\Local\Temp\wireshark_NPF_Loopback329380.pcapng 21 total packets, 21 shown

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No.      Time      Source      Destination      Protocol Length Info
  1 0.000000      127.0.0.1      127.0.0.1      TCP      45      49936 → 49873 [ACK] Seq=1 Ack=1 Win=10168 Len=1
Frame 1: 45 bytes on wire (360 bits), 45 bytes captured (360 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
  Family: IP (2)
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 41
  Identification: 0xd004 (53252)
  Flags: 0x40, Don't fragment
  Fragment Offset: 0
  Time to Live: 128
  Protocol: TCP (6)
  Header Checksum: 0x0000 [validation disabled]
  [Header checksum status: Unverified]
  Source Address: 127.0.0.1
  Destination Address: 127.0.0.1
Transmission Control Protocol, Src Port: 49936, Dst Port: 49873, Seq: 1, Ack: 1, Len: 1
Data (1 byte)
0000 00
No.      Time      Source      Destination      Protocol Length Info
  2 0.000026      127.0.0.1      127.0.0.1      TCP      56      49873 → 49936 [ACK] Seq=1 Ack=2 Win=10215 Len=0
SLE=1 SRE=2
Frame 2: 56 bytes on wire (448 bits), 56 bytes captured (448 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
  Family: IP (2)
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 52
  Identification: 0xd005 (53253)
  Flags: 0x40, Don't fragment
  Fragment Offset: 0
  Time to Live: 128
  Protocol: TCP (6)
  Header Checksum: 0x0000 [validation disabled]
  [Header checksum status: Unverified]
  Source Address: 127.0.0.1
  Destination Address: 127.0.0.1
Transmission Control Protocol, Src Port: 49873, Dst Port: 49936, Seq: 1, Ack: 2, Len: 0
No.      Time      Source      Destination      Protocol Length Info
  3 13.847766     192.168.221.1    239.1.2.3      DIS      176      PDType: 1 Entity State, Platform, Land,
(1:13:25)
Frame 3: 176 bytes on wire (1408 bits), 176 bytes captured (1408 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
  Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 172
  Identification: 0xf293 (62099)
  Flags: 0x00
  Fragment Offset: 0
  Time to Live: 1
  Protocol: UDP (17)
  Header Checksum: 0x0000 [validation disabled]
  [Header checksum status: Unverified]
  Source Address: 192.168.221.1
  Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation
No.      Time      Source      Destination      Protocol Length Info
  4 13.954549     192.168.221.1    239.1.2.3      DIS      128      PDType: 2 Fire
Frame 4: 128 bytes on wire (1024 bits), 128 bytes captured (1024 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
  Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 124
  Identification: 0xf294 (62100)
  Flags: 0x00

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    Fragment Offset: 0
    Time to Live: 1
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 192.168.221.1
    Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation
No.      Time      Source      Destination      Protocol Length Info
   5 14.064906  192.168.221.1  239.1.2.3      DIS      144      PDUType: 22      Comment
Frame 5: 144 bytes on wire (1152 bits), 144 bytes captured (1152 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
    Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    Total Length: 140
    Identification: 0xf295 (62101)
    Flags: 0x00
    Fragment Offset: 0
    Time to Live: 1
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 192.168.221.1
    Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation
No.      Time      Source      Destination      Protocol Length Info
   6 16.184598  192.168.221.1  239.1.2.3      DIS      176      PDUType: 1      Entity State, Platform, Land,
(1:13:25)
Frame 6: 176 bytes on wire (1408 bits), 176 bytes captured (1408 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
    Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    Total Length: 172
    Identification: 0xf296 (62102)
    Flags: 0x00
    Fragment Offset: 0
    Time to Live: 1
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 192.168.221.1
    Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation
No.      Time      Source      Destination      Protocol Length Info
   7 16.292736  192.168.221.1  239.1.2.3      DIS      128      PDUType: 2      Fire
Frame 7: 128 bytes on wire (1024 bits), 128 bytes captured (1024 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
    Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    Total Length: 124
    Identification: 0xf297 (62103)
    Flags: 0x00
    Fragment Offset: 0
    Time to Live: 1
    Protocol: UDP (17)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 192.168.221.1
    Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation
No.      Time      Source      Destination      Protocol Length Info
   8 16.401329  192.168.221.1  239.1.2.3      DIS      144      PDUType: 22      Comment
Frame 8: 144 bytes on wire (1152 bits), 144 bytes captured (1152 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
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Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 140
Identification: 0xf298 (62104)
Flags: 0x00
Fragment Offset: 0
Time to Live: 1
Protocol: UDP (17)
Header Checksum: 0x0000 [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.221.1
Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation

No.	Time	Source	Destination	Protocol	Length	Info
9	18.520090	192.168.221.1	239.1.2.3	DIS	176	PDUType: 1 Entity State, Platform, Land,

(1:13:25)
Frame 9: 176 bytes on wire (1408 bits), 176 bytes captured (1408 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 172
Identification: 0xf299 (62105)
Flags: 0x00
Fragment Offset: 0
Time to Live: 1
Protocol: UDP (17)
Header Checksum: 0x0000 [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.221.1
Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation

No.	Time	Source	Destination	Protocol	Length	Info
10	18.628363	192.168.221.1	239.1.2.3	DIS	128	PDUType: 2 Fire

Frame 10: 128 bytes on wire (1024 bits), 128 bytes captured (1024 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 124
Identification: 0xf29a (62106)
Flags: 0x00
Fragment Offset: 0
Time to Live: 1
Protocol: UDP (17)
Header Checksum: 0x0000 [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.221.1
Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation

No.	Time	Source	Destination	Protocol	Length	Info
11	18.737484	192.168.221.1	239.1.2.3	DIS	144	PDUType: 22 Comment

Frame 11: 144 bytes on wire (1152 bits), 144 bytes captured (1152 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 140
Identification: 0xf29b (62107)
Flags: 0x00
Fragment Offset: 0
Time to Live: 1
Protocol: UDP (17)
Header Checksum: 0x0000 [validation disabled]
[Header checksum status: Unverified]

Source Address: 192.168.221.1
Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation

No.	Time	Source	Destination	Protocol	Length	Info
12	18.845085	192.168.221.1	239.1.2.3	DIS	128	PDUType: 62 Comment-R

Frame 12: 128 bytes on wire (1024 bits), 128 bytes captured (1024 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 124
Identification: 0xf29c (62108)
Flags: 0x00
Fragment Offset: 0
Time to Live: 1
Protocol: UDP (17)
Header Checksum: 0x0000 [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.221.1
Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation

No.	Time	Source	Destination	Protocol	Length	Info
13	20.964434	192.168.221.1	239.1.2.3	DIS	176	PDUType: 1 Entity State, Platform, Land,

(1:13:25)
Frame 13: 176 bytes on wire (1408 bits), 176 bytes captured (1408 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 172
Identification: 0xf29d (62109)
Flags: 0x00
Fragment Offset: 0
Time to Live: 1
Protocol: UDP (17)
Header Checksum: 0x0000 [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.221.1
Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation

No.	Time	Source	Destination	Protocol	Length	Info
14	21.072642	192.168.221.1	239.1.2.3	DIS	128	PDUType: 2 Fire

Frame 14: 128 bytes on wire (1024 bits), 128 bytes captured (1024 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 124
Identification: 0xf29e (62110)
Flags: 0x00
Fragment Offset: 0
Time to Live: 1
Protocol: UDP (17)
Header Checksum: 0x0000 [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.221.1
Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation

No.	Time	Source	Destination	Protocol	Length	Info
15	21.181236	192.168.221.1	239.1.2.3	DIS	144	PDUType: 22 Comment

Frame 15: 144 bytes on wire (1152 bits), 144 bytes captured (1152 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

Total Length: 140
Identification: 0xf29f (62111)
Flags: 0x00
Fragment Offset: 0
Time to Live: 1
Protocol: UDP (17)
Header Checksum: 0x0000 [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.221.1
Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation

No.	Time	Source	Destination	Protocol	Length	Info
16	23.302919	192.168.221.1	239.1.2.3	DIS	176	PDUType: 1 Entity State, Platform, Land,

(1:13:25)
Frame 16: 176 bytes on wire (1408 bits), 176 bytes captured (1408 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 172
Identification: 0xf2a0 (62112)
Flags: 0x00
Fragment Offset: 0
Time to Live: 1
Protocol: UDP (17)
Header Checksum: 0x0000 [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.221.1
Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation

No.	Time	Source	Destination	Protocol	Length	Info
17	23.410608	192.168.221.1	239.1.2.3	DIS	128	PDUType: 2 Fire

Frame 17: 128 bytes on wire (1024 bits), 128 bytes captured (1024 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 124
Identification: 0xf2a1 (62113)
Flags: 0x00
Fragment Offset: 0
Time to Live: 1
Protocol: UDP (17)
Header Checksum: 0x0000 [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.221.1
Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation

No.	Time	Source	Destination	Protocol	Length	Info
18	23.519151	192.168.221.1	239.1.2.3	DIS	144	PDUType: 22 Comment

Frame 18: 144 bytes on wire (1152 bits), 144 bytes captured (1152 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 140
Identification: 0xf2a2 (62114)
Flags: 0x00
Fragment Offset: 0
Time to Live: 1
Protocol: UDP (17)
Header Checksum: 0x0000 [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.221.1
Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation

No.	Time	Source	Destination	Protocol	Length	Info
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19 23.628070 192.168.221.1 239.1.2.3 DIS 160 PDUType: 22 Comment
Frame 19: 160 bytes on wire (1280 bits), 160 bytes captured (1280 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
Family: IP (2)
Internet Protocol Version 4, Src: 192.168.221.1, Dst: 239.1.2.3
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 156
Identification: 0xf2a3 (62115)
Flags: 0x00
Fragment Offset: 0
Time to Live: 1
Protocol: UDP (17)
Header Checksum: 0x0000 [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.221.1
Destination Address: 239.1.2.3
User Datagram Protocol, Src Port: 3000, Dst Port: 3000
Distributed Interactive Simulation

No.	Time	Source	Destination	Protocol	Length	Info
20	45.014973	127.0.0.1	127.0.0.1	TCP	45	[TCP Keep-Alive] 49936 → 49873 [ACK] Seq=1 Ack=1

Win=10168 Len=1
Frame 20: 45 bytes on wire (360 bits), 45 bytes captured (360 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
Family: IP (2)
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 41
Identification: 0xd006 (53254)
Flags: 0x40, Don't fragment
Fragment Offset: 0
Time to Live: 128
Protocol: TCP (6)
Header Checksum: 0x0000 [validation disabled]
[Header checksum status: Unverified]
Source Address: 127.0.0.1
Destination Address: 127.0.0.1
Transmission Control Protocol, Src Port: 49936, Dst Port: 49873, Seq: 1, Ack: 1, Len: 1
Data (1 byte)
0000 00

No.	Time	Source	Destination	Protocol	Length	Info
21	45.014990	127.0.0.1	127.0.0.1	TCP	56	[TCP Keep-Alive ACK] 49873 → 49936 [ACK] Seq=1

Ack=2 Win=10215 Len=0 SLE=1 SRE=2
Frame 21: 56 bytes on wire (448 bits), 56 bytes captured (448 bits) on interface \Device\NPF_Loopback, id 0
Null/Loopback
Family: IP (2)
Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 52
Identification: 0xd007 (53255)
Flags: 0x40, Don't fragment
Fragment Offset: 0
Time to Live: 128
Protocol: TCP (6)
Header Checksum: 0x0000 [validation disabled]
[Header checksum status: Unverified]
Source Address: 127.0.0.1
Destination Address: 127.0.0.1
Transmission Control Protocol, Src Port: 49873, Dst Port: 49936, Seq: 1, Ack: 2, Len: 0