

Lab - 6

Activities

Wireshark

Friday, 22 September, 2017 11:02 AM

157 *

2020s

On

95%

File

Edit

View

Go

Capture

Analyze

Statistics

Telephony

Wireless

Tools

Help

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1. **192.168.181.15:38606**

[illegible]

2. **128.119.245.12:80**

3. 192.168.181.15:38606

4. Sequence Number : **0** (Relative Sequence Number), Segment Number : **56**

The image displays the Wireshark network protocol analyzer interface. The top pane shows a list of captured packets, with packet 66 selected. The middle pane shows the details of packet 66, which is an ICMP Echo (ping) request. The bottom pane shows the raw packet data in hexadecimal and ASCII.

Packet List:

No.	Time	Source	Destination	Protocol	Length	Info
66	0.0001341678	192.168.1.15	192.168.1.1	ICMP	74	Seq=0 Win=29200 Len=0 MSS=1460 SACK_Peek=1 Tval=1530036258 Tsecr=0 W=128
67	0.298265441	192.168.1.15	192.168.1.1	TCP	74	80 → 38696 [ACK] Seq=0 Acl=1 Win=29122 Len=0 Tval=1530036320 Tsecr=3518250858 W=128
68	0.298404440	192.168.1.15	192.168.1.1	TCP	717	38696 → 80 [PSH, ACK] Seq=1 Acl=1 Win=29122 Len=651 Tval=1530036320 Tsecr=3518250858 W=128
69	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	80 → 38696 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
70	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
71	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
72	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
73	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
74	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
75	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
76	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
77	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
78	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
79	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
80	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
81	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
82	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
83	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
84	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
85	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
86	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
87	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
88	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
89	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
90	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	38696 → 80 [ACK] Seq=1 Acl=1 Win=29122 Len=1368 Tval=1530036320 Tsecr=3518250858 W=128
91	0.298413608	192.168.1.15	192.168.1.1	TCP	1434	3869

5. Acknowledgement Number : 1. It is 1 greater than the SYN packet as SYN packet consumes 1 sequence number. Both the flags SYN and ACK are sent which sets it as SYNACK packet.

The image shows a Wireshark packet capture of a TCP connection. The packet list shows a SYN packet (Seq=0, Win=29200) and a subsequent SYN-ACK packet (Seq=1, Win=28960). The packet details pane shows the Acknowledgment number as 1 (relative sequence number) and the Flags as 0x012 (SYN, ACK). The packet bytes pane shows the raw data of the packet.

6. Sequence number of POST: 1 (Relative sequence number)

The image shows a Wireshark packet capture of a TCP connection. The packet list shows a POST packet (Seq=1, Win=28960). The packet details pane shows the Sequence number as 1 (relative sequence number) and the Flags as 0x012 (SYN, ACK). The packet bytes pane shows the raw data of the packet.

7. Following table shows various times

Segment Number	Sent	ACK Received	Difference
1	2.29940	2.54458	0.24518
2	2.29960	2.54469	0.24509
3	2.29961	2.54470	0.24509
4	2.29973	2.54499	0.24526
5	2.29974	2.54505	0.24531
6	2.29994	2.54533	0.24539

Estimated RTT = 0.875 * Estimated RTT + 0.125 * Sample RTT

RTT 1 = 0.24518 (Absolute for the first)

RTT 2 = 0.24517

RTT 3 = 0.24516

RTT 4 = 0.24517

RTT 5 = 0.24519

RTT 6 = 0.24522

Sent:

No.	Time	Source	Destination	Protocol	Length	Info
56	2.063414675	192.168.181.15	128.119.245.12	TCP	74	38666 → 80 [SYN] Seq=0 Win=29200 Len=0 MSS=1460 SACK_PERM=1 TSval=3830036258 TSecr=0 WS=128
65	2.2982266441	128.119.245.12	192.168.181.15	TCP	74	80 → 38666 [ACK] Seq=0 Ack=1 Win=28960 Len=0 MSS=1380 SACK_PERM=1 TSval=3518250858 TSecr=3830036258 WS=128
68	2.299437716	192.168.181.15	128.119.245.12	TCP	60	38666 → 80 [ACK] Seq=1 Ack=1 Win=29312 Len=0 TSval=3830036320 TSecr=3518250858
69	2.299594949	192.168.181.15	128.119.245.12	TCP	74	38666 → 80 [PSH, ACK] Seq=1 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
69	2.299619307	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=652 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
70	2.299738399	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=2020 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
71	2.299747935	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=3388 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
72	2.299947214	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=4756 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
73	2.299978188	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=6124 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
74	2.300145373	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=7492 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
75	2.300154858	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=8860 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
76	2.300354504	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=10228 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
79	2.303068563	192.168.181.15	128.119.245.12	TCP	74	38666 → 80 [SYN] Seq=0 Win=29200 Len=0 MSS=1460 SACK_PERM=1 TSval=3830036321 TSecr=0 WS=128
84	2.544056066	128.119.245.12	192.168.181.15	TCP	60	80 → 38666 [ACK] Seq=1 Ack=652 Win=38936 Len=0 TSval=3518251105 TSecr=3830036320
85	2.544677552	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=12964 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
82	2.544688892	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [PSH, ACK] Seq=14332 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105

Received:

No.	Time	Source	Destination	Protocol	Length	Info
68	2.299608173	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=2020 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
69	2.299619307	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=3388 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
70	2.299738399	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=4756 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
71	2.299747935	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=6124 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
72	2.299947214	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=7492 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
73	2.299978188	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=8860 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
74	2.300145373	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=10228 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
75	2.300154858	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=11596 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
76	2.300354504	192.168.181.15	128.119.245.12	TCP	74	38666 → 80 [SYN] Seq=0 Win=29200 Len=0 MSS=1460 SACK_PERM=1 TSval=3830036321 TSecr=0 WS=128
85	2.544677552	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=12964 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
82	2.544688892	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [PSH, ACK] Seq=14332 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
87	2.544697273	128.119.245.12	192.168.181.15	TCP	60	80 → 38666 [ACK] Seq=1 Ack=652 Win=38936 Len=0 TSval=3518251105 TSecr=3830036320
88	2.544708758	128.119.245.12	192.168.181.15	TCP	60	80 → 38666 [ACK] Seq=1 Ack=3388 Win=38960 Len=0 TSval=3518251105 TSecr=3830036320
89	2.544830607	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=15760 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
90	2.544834545	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=17068 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
91	2.544846252	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=18436 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
92	2.544856023	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=19804 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
93	2.544895502	128.119.245.12	192.168.181.15	TCP	60	80 → 38666 [ACK] Seq=1 Ack=4756 Win=39840 Len=0 TSval=3518251105 TSecr=3830036320
94	2.544905932	128.119.245.12	192.168.181.15	TCP	60	80 → 38666 [ACK] Seq=1 Ack=6124 Win=41856 Len=0 TSval=3518251105 TSecr=3830036320
95	2.545027886	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=21172 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
99	2.545282645	192.168.181.15	128.119.245.12	TCP	1434	38666 → 80 [ACK] Seq=22540 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
97	2.545333884	128.119.245.12	192.168.181.15	TCP	60	80 → 38666 [ACK] Seq=1 Ack=7492 Win=44800 Len=0 TSval=3518251105 TSecr=3830036320
98	2.545381986	128.119.245.12	192.168.181.15	TCP	60	80 → 38666 [ACK] Seq=1 Ack=8860 Win=47744 Len=0 TSval=3518251106 TSecr=3830036320

8. Length :

Segment Number	Sequence	Length
1	1	651
2	652	1368
3	2020	1368
4	3388	1368
5	4756	1368
6	6124	1368

9. Receive window size at end of each acknowledge :

Segment Number	Window Size
1	30336
2	33280
3	36096

No.	Time	Source	Destination	Protocol	Length	Info
56	2.85341675	192.168.181.15	128.119.245.12	TCP	74	38696 → 80 [SYN] Seq=0 Win=29200 Len=0 MSS=1460 SACK_PERM=1 TSval=3830036258 TSecr=0 WS=128
65	2.200266441	128.119.245.12	192.168.181.15	TCP	74	80 → 38696 [SYN, ACK] Seq=0 Ack=1 Win=28960 Len=0 MSS=1480 SACK_PERM=1 TSval=3518250858 TSecr=3830036258 WS=128
66	2.200477716	192.168.181.15	128.119.245.12	TCP	60	38696 → 80 [ACK] Seq=1 Ack=1 Win=29312 Len=0 TSval=3830036320 TSecr=3518250858
67	2.200444440	192.168.181.15	128.119.245.12	TCP	717	38696 → 80 [PSH, ACK] Seq=1 Ack=1 Win=29312 Len=681 TSval=3830036320 TSecr=3518250858
68	2.200601733	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [ACK] Seq=652 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
69	2.200613307	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [ACK] Seq=2020 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
70	2.200730399	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [ACK] Seq=3388 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
71	2.200717915	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [ACK] Seq=4756 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
72	2.200949284	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [ACK] Seq=6124 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
73	2.200937380	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [ACK] Seq=7492 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
74	2.300145373	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [ACK] Seq=8660 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
75	2.300154858	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [ACK] Seq=10228 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
76	2.300334594	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [ACK] Seq=11596 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
78	2.303608563	192.168.181.15	128.119.245.12	TCP	74	38696 → 80 [SYN] Seq=0 Win=29200 Len=0 MSS=1460 SACK_PERM=1 TSval=3830036321 TSecr=0 WS=128
84	2.544580608	128.119.245.12	192.168.181.15	TCP	66	80 → 38696 [ACK] Seq=1 Ack=652 Win=30336 Len=0 TSval=3518251105 TSecr=3830036320
85	2.544677552	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [ACK] Seq=12964 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
86	2.544688892	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [PSH, ACK] Seq=14332 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
87	2.544702241	192.168.181.15	128.119.245.12	TCP	66	80 → 38696 [ACK] Seq=1 Ack=3388 Win=36096 Len=0 TSval=3518251105 TSecr=3830036320
88	2.544708758	128.119.245.12	192.168.181.15	TCP	66	80 → 38696 [ACK] Seq=1 Ack=3388 Win=36096 Len=0 TSval=3518251105 TSecr=3830036320
89	2.544803867	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [ACK] Seq=15700 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
90	2.544834545	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [ACK] Seq=17068 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
91	2.544846252	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [ACK] Seq=18436 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
92	2.544856623	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [ACK] Seq=19804 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
93	2.544895592	128.119.245.12	192.168.181.15	TCP	66	80 → 38696 [ACK] Seq=1 Ack=4756 Win=39640 Len=0 TSval=3518251105 TSecr=3830036320
94	2.544905912	128.119.245.12	192.168.181.15	TCP	66	80 → 38696 [ACK] Seq=1 Ack=6124 Win=41656 Len=0 TSval=3518251105 TSecr=3830036320
95	2.545267886	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [ACK] Seq=21172 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
96	2.545292645	192.168.181.15	128.119.245.12	TCP	1434	38696 → 80 [ACK] Seq=22540 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
97	2.545333884	128.119.245.12	192.168.181.15	TCP	66	80 → 38696 [ACK] Seq=1 Ack=7492 Win=44800 Len=0 TSval=3518251105 TSecr=3830036320
98	2.545381986	128.119.245.12	192.168.181.15	TCP	66	80 → 38696 [ACK] Seq=1 Ack=8660 Win=47744 Len=0 TSval=3518251105 TSecr=3830036320

No throttle as size is increasing

10. 1 packet was fast retransmitted. It is checked using the following in filters:

- tcp.analysis.retransmission
- tcp.analysis.fast_retransmission

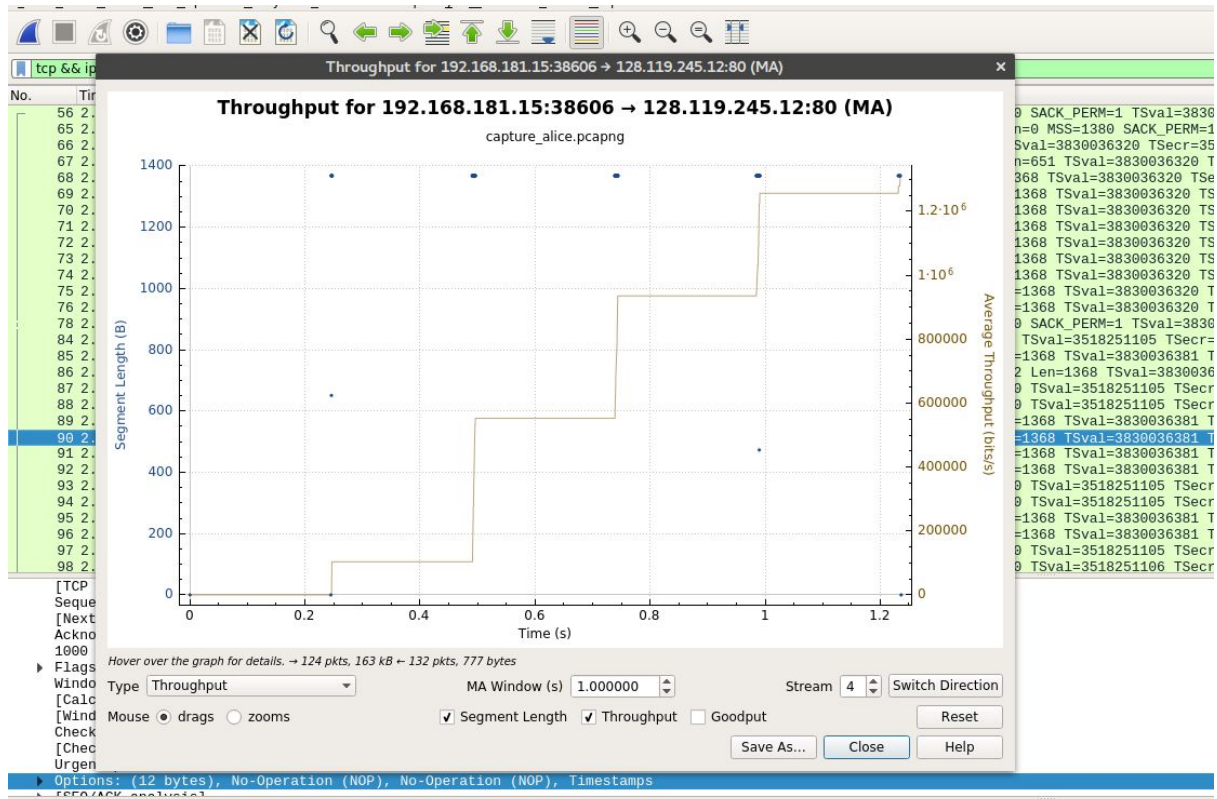
No.	Time	Source	Destination	Protocol	Length	Info
104	2.543201018	192.168.181.15	128.119.245.12	TCP	1434	TCP Fast Retransmission! 38696 → 80 [ACK] Seq=116932 Ack=1 Win=29312 Len=1368 TSval=3830036508 TSecr=3518251603

11. Following is the ACK trend

Sequence Number	ACK Number	Data
1	652	651
652	2020	1368
2020	3388	1368
3388	4756	1368
4756	6124	1368
6124	7492	1368

There is **NO** instance where every other segment is **ACKed** together.

12. Following is the throughput graph obtained from Statistics -> TCP Stream Graphs -> Throughput



he average throughput for this TCP connection is computed as the ratio between the total amount data and the total transmission time. The total amount data transmitted can be computed by the difference between the sequence number of the first TCP segment (i.e. 1 byte for No. 67 segment) and the acknowledged sequence number of the last ACK (152973 bytes for No. 346 segment). Therefore, the total data are $152973 - 1 = 152972$ bytes. The whole transmission time is the difference of the time instant of the first TCP segment (i.e., 2.29940 second for No 67 segment) and the time instant of the last ACK (i.e., 3.28933 second for No. 346 segment). Therefore, the total transmission time is $3.28933 - 2.29940 = 0.98993$ seconds. Hence, the throughput for the TCP connection is computed as $152972 / 0.98993 = 150.906 \text{ KByte/sec}$.

First :

No.	Time	Source	Destination	Protocol	Length	Info
56	2.053414675	192.168.181.15	128.119.245.12	TCP	74	38696 -> 80 [SYN] Seq=0 Win=29200 Len=0 MSS=1460 SACK_PERM=1 TSval=3830036258 TSecr=0 WS=128
65	2.29826441	128.119.245.12	192.168.181.15	TCP	74	80 -> 38696 [SYN, ACK] Seq=0 Ack=1 Win=28960 Len=0 MSS=1380 SACK_PERM=1 TSval=3518250858 TSecr=3830036258 WS=128
66	2.300432246	192.168.181.15	128.119.245.12	TCP	66	38696 -> 80 [ACK] Seq=1 Ack=1 Win=20932 Len=0 TSval=3830036320 TSecr=3518250858
67	2.299613307	192.168.181.15	128.119.245.12	TCP	1434	38696 -> 80 [ACK] Seq=2020 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
70	2.299730399	192.168.181.15	128.119.245.12	TCP	1434	38696 -> 80 [ACK] Seq=3388 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
71	2.299747015	192.168.181.15	128.119.245.12	TCP	1434	38696 -> 80 [ACK] Seq=4756 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
72	2.299949284	192.168.181.15	128.119.245.12	TCP	1434	38696 -> 80 [ACK] Seq=6124 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
73	2.299957358	192.168.181.15	128.119.245.12	TCP	1434	38696 -> 80 [ACK] Seq=7492 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
74	2.300145373	192.168.181.15	128.119.245.12	TCP	1434	38696 -> 80 [ACK] Seq=8860 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
75	2.300154858	192.168.181.15	128.119.245.12	TCP	1434	38696 -> 80 [ACK] Seq=10228 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
76	2.300354594	192.168.181.15	128.119.245.12	TCP	1434	38696 -> 80 [ACK] Seq=11596 Ack=1 Win=29312 Len=1368 TSval=3830036320 TSecr=3518250858
77	2.303606563	192.168.181.15	128.119.245.12	TCP	74	38696 -> 80 [SYN] Seq=0 Win=29200 Len=0 MSS=1460 SACK_PERM=1 TSval=3830036321 TSecr=0 WS=128
84	2.544596068	128.119.245.12	192.168.181.15	TCP	66	80 -> 38696 [ACK] Seq=1 Ack=652 Win=33280 Len=0 TSval=3518251105 TSecr=3830036320
85	2.544677552	192.168.181.15	128.119.245.12	TCP	1434	38696 -> 80 [ACK] Seq=12964 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
86	2.544688892	192.168.181.15	128.119.245.12	TCP	1434	38696 -> 80 [PSH, ACK] Seq=14332 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
87	2.544697273	128.119.245.12	192.168.181.15	TCP	66	80 -> 38696 [ACK] Seq=1 Ack=2820 Win=33280 Len=0 TSval=3518251105 TSecr=3830036320
88	2.544708759	128.119.245.12	192.168.181.15	TCP	66	80 -> 38696 [ACK] Seq=1 Ack=3388 Win=36896 Len=0 TSval=3518251105 TSecr=3830036320
89	2.544839607	192.168.181.15	128.119.245.12	TCP	1434	38696 -> 80 [ACK] Seq=15760 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
90	2.544853455	192.168.181.15	128.119.245.12	TCP	1434	38696 -> 80 [ACK] Seq=17068 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
91	2.544946252	192.168.181.15	128.119.245.12	TCP	1434	38696 -> 80 [ACK] Seq=18436 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105
92	2.544956623	192.168.181.15	128.119.245.12	TCP	1434	38696 -> 80 [ACK] Seq=19804 Ack=1 Win=29312 Len=1368 TSval=3830036381 TSecr=3518251105

No.	Time	Source	Destination	Protocol	Length	Info
329	3.28451828	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=121036 Win=21524 Len=0 TSval=3518251845 TSecr=3830836505
330	3.284981725	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=122441 Win=24508 Len=0 TSval=3518251845 TSecr=3830836505
331	3.285031872	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=157146 Win=29712 Len=0 TSval=3518251845 TSecr=3830836505
332	3.285051269	128.119.245.12	192.168.181.15	TCP	1434	TCP Reset of Order: 38966 → 80 Seq=152924 Ack=1 Seq=2312 Len=1368 TSval=3830836566 TSecr=3518251848
333	3.285051269	192.168.181.15	128.119.245.12	TCP	1434	TCP Reset of Order: 38966 → 80 Seq=152924 Ack=1 Seq=2312 Len=1368 TSval=3830836566 TSecr=3518251848
334	3.285051269	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=121036 Win=21524 Len=0 TSval=3518251847 TSecr=3830836505
335	3.287109071	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=130612 Win=27720 Len=0 TSval=3518251847 TSecr=3830836505
336	3.287137116	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=113900 Win=77864 Len=0 TSval=3518251847 TSecr=3830836505
337	3.287137116	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=133348 Win=77608 Len=0 TSval=3518251847 TSecr=3830836505
338	3.287526312	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=137452 Win=28400 Len=0 TSval=3518251848 TSecr=3830836505
339	3.287526312	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=137452 Win=28400 Len=0 TSval=3518251848 TSecr=3830836505
340	3.288081547	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=101816 Win=93004 Len=0 TSval=3518251848 TSecr=3830836505
341	3.288081547	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=130315 Win=28400 Len=0 TSval=3518251848 TSecr=3830836505
342	3.288073677	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=142520 Win=79624 Len=0 TSval=3518251848 TSecr=3830836505
343	3.288083522	192.168.181.15	128.119.245.12	TCP	1434	TCP Reset of Order: 38966 → 80 Seq=1 Ack=14242 Ack=1 Seq=2312 Len=1368 TSval=3830836567 TSecr=3518251848
344	3.288083522	128.119.245.12	192.168.181.15	TCP	1434	TCP Reset of Order: 38966 → 80 Seq=1 Ack=14242 Ack=1 Seq=2312 Len=1368 TSval=3830836567 TSecr=3518251848
345	3.288083522	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=142426 Win=56146 Len=0 TSval=3518251848 TSecr=3830836505
346	3.288083522	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=142426 Win=56146 Len=0 TSval=3518251848 TSecr=3830836505
347	3.288083522	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=142426 Win=56146 Len=0 TSval=3518251848 TSecr=3830836505
348	3.288083522	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=142426 Win=56146 Len=0 TSval=3518251848 TSecr=3830836505
349	3.288083522	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=142426 Win=56146 Len=0 TSval=3518251848 TSecr=3830836505
350	3.288083522	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=142426 Win=56146 Len=0 TSval=3518251848 TSecr=3830836505
351	3.288083522	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=142426 Win=56146 Len=0 TSval=3518251848 TSecr=3830836505
352	3.288083522	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=142426 Win=56146 Len=0 TSval=3518251848 TSecr=3830836505
353	3.288083522	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=142426 Win=56146 Len=0 TSval=3518251848 TSecr=3830836505
354	3.288083522	128.119.245.12	192.168.181.15	TCP	60	80 → 38966 [ACK] Seq=1 Ack=142426 Win=56146 Len=0 TS