

IT-520

1) What is the IP address?

The IP Address is 10.8.20.118

tcp						
No.	Time	Source	Destination	Protocol	Length	Info
34	2.274110	104.17.237.204	10.8.20.118	TLsv1.2	100	Application Data
35	2.274110	104.17.237.204	10.8.20.118	TLsv1.2	85	Encrypted Alert
36	2.274110	104.17.237.204	10.8.20.118	TCP	60	443 → 58561 [FIN, ACK] Seq=78 Ack=1 Win=31 Len=0
37	2.274208	10.8.20.118	104.17.237.204	TCP	54	58561 → 443 [ACK] Seq=1 Ack=79 Win=258 Len=0
38	2.274352	10.8.20.118	104.17.237.204	TCP	54	58561 → 443 [FIN, ACK] Seq=1 Ack=79 Win=258 Len=0
39	2.276724	104.17.237.204	10.8.20.118	TCP	60	443 → 58561 [ACK] Seq=79 Ack=2 Win=31 Len=0
44	3.373485	10.8.20.118	128.119.245.12	TCP	54	58712 → 80 [FIN, ACK] Seq=1 Ack=1 Win=258 Len=0
45	3.373553	10.8.20.118	128.119.245.12	TCP	54	58713 → 80 [FIN, ACK] Seq=1 Ack=1 Win=258 Len=0
46	3.373598	10.8.20.118	128.119.245.12	TCP	54	58711 → 80 [FIN, ACK] Seq=1 Ack=1 Win=258 Len=0
47	3.374196	10.8.20.118	128.119.245.12	TCP	66	58724 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1
48	3.388793	128.119.245.12	10.8.20.118	TCP	66	80 → 58724 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1380 SACK_PERM=1 WS=128
49	3.388919	10.8.20.118	128.119.245.12	TCP	54	58724 → 80 [ACK] Seq=1 Ack=1 Win=66048 Len=0
50	3.389729	10.8.20.118	128.119.245.12	TCP	715	58724 → 80 [PSH, ACK] Seq=1 Ack=1 Win=66048 Len=661 [TCP segment of a reassembled P
51	3.390086	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=662 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled P
52	3.390096	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=2042 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled
53	3.390100	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=3422 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled
54	3.390105	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=4802 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled

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> Frame 48: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface 0
> Ethernet II, Src: Cisco_59:ec:bf (00:2c:c8:59:ec:bf), Dst: Dell_16:30:6f (14:b3:1f:16:30:6f)
> Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.8.20.118
> Transmission Control Protocol, Src Port: 80, Dst Port: 58724, Seq: 0, Ack: 1, Len: 0
  Source Port: 80
  Destination Port: 58724
  [Stream index: 8]
  [TCP Segment Len: 0]
  Sequence number: 0 (relative sequence number)
  [Next sequence number: 0 (relative sequence number)]
  Acknowledgment number: 1 (relative ack number)
  1000 .... = Header Length: 32 bytes (8)
> Flags: 0x012 (SYN, ACK)
  Window size value: 29200
  [Calculated window size: 29200]
  Checksum: 0xef31 [unverified]
  [Checksum Status: Unverified]
  Urgent pointer: 0
  
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2) What is the TCP port number used by your computer to communicate with gaia.cs.umass.edu?
The TCP port number used by my computer to communicate with GAIA is 58724.

No.	Time	Source	Destination	Protocol	Length	Info
34	2.274110	104.17.237.204	10.8.20.118	TLSv1.2	100	Application Data
35	2.274110	104.17.237.204	10.8.20.118	TLSv1.2	85	Encrypted Alert
36	2.274110	104.17.237.204	10.8.20.118	TCP	60	443 → 58561 [FIN, ACK] Seq=78 Ack=1 Win=31 Len=0
37	2.274208	10.8.20.118	104.17.237.204	TCP	54	58561 → 443 [ACK] Seq=1 Ack=79 Win=258 Len=0
38	2.274352	10.8.20.118	104.17.237.204	TCP	54	58561 → 443 [FIN, ACK] Seq=1 Ack=79 Win=258 Len=0
39	2.276724	104.17.237.204	10.8.20.118	TCP	60	443 → 58561 [ACK] Seq=79 Ack=2 Win=31 Len=0
44	3.373485	10.8.20.118	128.119.245.12	TCP	54	58712 → 80 [FIN, ACK] Seq=1 Ack=1 Win=258 Len=0
45	3.373553	10.8.20.118	128.119.245.12	TCP	54	58713 → 80 [FIN, ACK] Seq=1 Ack=1 Win=258 Len=0
46	3.373598	10.8.20.118	128.119.245.12	TCP	54	58711 → 80 [FIN, ACK] Seq=1 Ack=1 Win=258 Len=0
47	3.374196	10.8.20.118	128.119.245.12	TCP	66	58724 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1
48	3.388793	128.119.245.12	10.8.20.118	TCP	66	80 → 58724 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1380 SACK_PERM=1 WS=128
49	3.388919	10.8.20.118	128.119.245.12	TCP	54	58724 → 80 [ACK] Seq=1 Ack=1 Win=66048 Len=0
50	3.389729	10.8.20.118	128.119.245.12	TCP	715	58724 → 80 [PSH, ACK] Seq=1 Ack=1 Win=66048 Len=661 [TCP segment of a reassembled PDU]
51	3.390086	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=662 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled PDU]
52	3.390096	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=2042 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled PDU]
53	3.390100	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=3422 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled PDU]
54	3.390105	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=4802 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled PDU]

> Frame 47: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface 0
> Ethernet II, Src: Dell_16:30:6f (14:b3:1f:16:30:6f), Dst: Cisco_59:ec:bf (00:2c:c8:59:ec:bf)
> Internet Protocol Version 4, Src: 10.8.20.118, Dst: 128.119.245.12
> Transmission Control Protocol, Src Port: 58724, Dst Port: 80, Seq: 0, Len: 0
Source Port: 58724
Destination Port: 80
[Stream index: 8]
[TCP Segment Len: 0]
Sequence number: 0 (relative sequence number)
[Next sequence number: 0 (relative sequence number)]
Acknowledgment number: 0
1000 = Header Length: 32 bytes (8)
> Flags: 0x002 (SYN)
Window size value: 64240
[Calculated window size: 64240]
Checksum: 0xd177 [unverified]
[Checksum Status: Unverified]
Urgent pointer: 0

3) What is the TCP port number used by gaia.cs.umass.edu to communicate with your computer?
The TCP port number used by gaia.cs.umass.edu to communicate with my computer is 80.

No.	Time	Source	Destination	Protocol	Length	Info
34	2.274110	104.17.237.204	10.8.20.118	TLSv1.2	100	Application Data
35	2.274110	104.17.237.204	10.8.20.118	TLSv1.2	85	Encrypted Alert
36	2.274110	104.17.237.204	10.8.20.118	TCP	60	443 → 58561 [FIN, ACK] Seq=78 Ack=1 Win=31 Len=0
37	2.274208	10.8.20.118	104.17.237.204	TCP	54	58561 → 443 [ACK] Seq=1 Ack=79 Win=258 Len=0
38	2.274352	10.8.20.118	104.17.237.204	TCP	54	58561 → 443 [FIN, ACK] Seq=1 Ack=79 Win=258 Len=0
39	2.276724	104.17.237.204	10.8.20.118	TCP	60	443 → 58561 [ACK] Seq=79 Ack=2 Win=31 Len=0
44	3.373485	10.8.20.118	128.119.245.12	TCP	54	58712 → 80 [FIN, ACK] Seq=1 Ack=1 Win=258 Len=0
45	3.373553	10.8.20.118	128.119.245.12	TCP	54	58713 → 80 [FIN, ACK] Seq=1 Ack=1 Win=258 Len=0
46	3.373598	10.8.20.118	128.119.245.12	TCP	54	58711 → 80 [FIN, ACK] Seq=1 Ack=1 Win=258 Len=0
47	3.374196	10.8.20.118	128.119.245.12	TCP	66	58724 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1
48	3.388793	128.119.245.12	10.8.20.118	TCP	66	80 → 58724 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1380 SACK_PERM=1 WS=128
49	3.388919	10.8.20.118	128.119.245.12	TCP	54	58724 → 80 [ACK] Seq=1 Ack=1 Win=66048 Len=0
50	3.389729	10.8.20.118	128.119.245.12	TCP	715	58724 → 80 [PSH, ACK] Seq=1 Ack=1 Win=66048 Len=661 [TCP segment of a reassembled PDU]
51	3.390086	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=662 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled PDU]
52	3.390096	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=2042 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled PDU]
53	3.390100	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=3422 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled PDU]
54	3.390105	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=4802 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled PDU]

> Frame 48: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface 0
> Ethernet II, Src: Cisco_59:ec:bf (00:2c:c8:59:ec:bf), Dst: Dell_16:30:6f (14:b3:1f:16:30:6f)
> Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.8.20.118
> Transmission Control Protocol, Src Port: 80, Dst Port: 58724, Seq: 0, Ack: 1, Len: 0
Source Port: 80
Destination Port: 58724
[Stream index: 8]
[TCP Segment Len: 0]
Sequence number: 0 (relative sequence number)
[Next sequence number: 0 (relative sequence number)]
Acknowledgment number: 1 (relative ack number)
1000 = Header Length: 32 bytes (8)
> Flags: 0x012 (SYN, ACK)
Window size value: 29200
[Calculated window size: 29200]
Checksum: 0xef31 [unverified]
[Checksum Status: Unverified]
Urgent pointer: 0

4) What is the sequence number of the TCP SYN segment that is used to initiate the TCP connection between your computer and gaia.cs.umass.edu? What is it in the segment that identifies the segment as a SYN segment?

The sequence number of the segment used to initiate the TCP connection is 0. There is also a message contains a SYN flag indicating that it is a SYN segment.

No.	Time	Source	Destination	Protocol	Length	Info
34	2.274110	104.17.237.204	10.8.20.118	TLSv1.2	100	Application Data
35	2.274110	104.17.237.204	10.8.20.118	TLSv1.2	85	Encrypted Alert
36	2.274110	104.17.237.204	10.8.20.118	TCP	60	443 → 58561 [FIN, ACK] Seq=78 Ack=1 Win=31 Len=0
37	2.274208	10.8.20.118	104.17.237.204	TCP	54	58561 → 443 [ACK] Seq=1 Ack=79 Win=258 Len=0
38	2.274352	10.8.20.118	104.17.237.204	TCP	54	58561 → 443 [FIN, ACK] Seq=1 Ack=79 Win=258 Len=0
39	2.276724	104.17.237.204	10.8.20.118	TCP	60	443 → 58561 [ACK] Seq=79 Ack=2 Win=31 Len=0
44	3.373485	10.8.20.118	128.119.245.12	TCP	54	58712 → 80 [FIN, ACK] Seq=1 Ack=1 Win=258 Len=0
45	3.373553	10.8.20.118	128.119.245.12	TCP	54	58713 → 80 [FIN, ACK] Seq=1 Ack=1 Win=258 Len=0
46	3.373598	10.8.20.118	128.119.245.12	TCP	54	58711 → 80 [FIN, ACK] Seq=1 Ack=1 Win=258 Len=0
47	3.374196	10.8.20.118	128.119.245.12	TCP	66	58724 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1
48	3.388793	128.119.245.12	10.8.20.118	TCP	66	80 → 58724 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1380 SACK_PERM=1 WS=128
49	3.388919	10.8.20.118	128.119.245.12	TCP	54	58724 → 80 [ACK] Seq=1 Ack=1 Win=66048 Len=0
50	3.389729	10.8.20.118	128.119.245.12	TCP	715	58724 → 80 [PSH, ACK] Seq=1 Ack=1 Win=66048 Len=661 [TCP segment of a reassembled PDU]
51	3.390086	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=662 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled PDU]
52	3.390096	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=2042 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled PDU]
53	3.390100	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=3422 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled PDU]
54	3.390106	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=4802 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled PDU]

> Frame 47: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface 0
 > Ethernet II, Src: Dell_16:30:6f (14:b3:1f:16:30:6f), Dst: Cisco_59:ec:bf (00:2c:c8:59:ec:bf)
 > Internet Protocol Version 4, Src: 10.8.20.118, Dst: 128.119.245.12
 > Transmission Control Protocol, Src Port: 58724, Dst Port: 80, Seq: 0, Len: 0

Source Port: 58724
 Destination Port: 80
 [Stream index: 8]
 [TCP Segment Len: 0]
 Sequence number: 0 (relative sequence number)
 [Next sequence number: 0 (relative sequence number)]
 Acknowledgment number: 0
 1000 = Header Length: 32 bytes (8)
 Flags: 0x002 (SYN)
 Window size value: 64240
 [Calculated window size: 64240]
 Checksum: 0x1d77 [unverified]
 [Checksum Status: Unverified]
 Urgent pointer: 0

- 5) What is the sequence number of the SYNACK segment sent by gaia.cs.umass.edu to the client computer in reply to the SYN? -You must dig deep and find the ACK from gaia.cs.umass.edu.

The sequence number of the SYNACK segment is 0 and the value of the acknowledgement is

No.	Time	Source	Destination	Protocol	Length	Info
34	2.274110	104.17.237.204	10.8.20.118	TLSv1.2	100	Application Data
35	2.274110	104.17.237.204	10.8.20.118	TLSv1.2	85	Encrypted Alert
36	2.274110	104.17.237.204	10.8.20.118	TCP	60	443 → 58561 [FIN, ACK] Seq=78 Ack=1 Win=31 Len=0
37	2.274208	10.8.20.118	104.17.237.204	TCP	54	58561 → 443 [ACK] Seq=1 Ack=79 Win=258 Len=0
38	2.274352	10.8.20.118	104.17.237.204	TCP	54	58561 → 443 [FIN, ACK] Seq=1 Ack=79 Win=258 Len=0
39	2.276724	104.17.237.204	10.8.20.118	TCP	60	443 → 58561 [ACK] Seq=79 Ack=2 Win=31 Len=0
44	3.373485	10.8.20.118	128.119.245.12	TCP	54	58712 → 80 [FIN, ACK] Seq=1 Ack=1 Win=258 Len=0
45	3.373553	10.8.20.118	128.119.245.12	TCP	54	58713 → 80 [FIN, ACK] Seq=1 Ack=1 Win=258 Len=0
46	3.373598	10.8.20.118	128.119.245.12	TCP	54	58711 → 80 [FIN, ACK] Seq=1 Ack=1 Win=258 Len=0
47	3.374196	10.8.20.118	128.119.245.12	TCP	66	58724 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1
48	3.388793	128.119.245.12	10.8.20.118	TCP	66	80 → 58724 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1380 SACK_PERM=1 WS=128
49	3.388919	10.8.20.118	128.119.245.12	TCP	54	58724 → 80 [ACK] Seq=1 Ack=1 Win=66048 Len=0
50	3.389729	10.8.20.118	128.119.245.12	TCP	715	58724 → 80 [PSH, ACK] Seq=1 Ack=1 Win=66048 Len=661 [TCP segment of a reassembled PDU]
51	3.390086	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=662 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled PDU]
52	3.390096	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=2042 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled PDU]
53	3.390100	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=3422 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled PDU]
54	3.390106	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=4802 Ack=1 Win=66048 Len=1380 [TCP segment of a reassembled PDU]

> Frame 48: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface 0
 > Ethernet II, Src: Cisco_59:ec:bf (00:2c:c8:59:ec:bf), Dst: Dell_16:30:6f (14:b3:1f:16:30:6f)
 > Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.8.20.118
 > Transmission Control Protocol, Src Port: 80, Dst Port: 58724, Seq: 0, Ack: 1, Len: 0

Source Port: 80
 Destination Port: 58724
 [Stream index: 8]
 [TCP Segment Len: 0]
 Sequence number: 0 (relative sequence number)
 [Next sequence number: 0 (relative sequence number)]
 Acknowledgment number: 1 (relative ack number)
 1000 = Header Length: 32 bytes (8)
 Flags: 0x012 (SYN, ACK)
 Window size value: 29200
 [Calculated window size: 29200]
 Checksum: 0xef31 [unverified]
 [Checksum Status: Unverified]
 Urgent pointer: 0

- 6) What is the sequence number of the TCP segment containing the HTTP POST command?

The sequence number of the TCP segment containing the HTTP POST command is 235923.

top						
No.	Time	Source	Destination	Protocol	Length	Info
278	3.451022	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=219363 Ack=1 Win=66048 Len=1380 [TCP
279	3.451031	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=220743 Ack=1 Win=66048 Len=1380 [TCP
280	3.451036	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=222123 Ack=1 Win=66048 Len=1380 [TCP
281	3.451040	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=223503 Ack=1 Win=66048 Len=1380 [TCP
282	3.451042	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=224883 Ack=1 Win=66048 Len=1380 [TCP
283	3.451045	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=226263 Ack=1 Win=66048 Len=1380 [TCP
284	3.451048	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=227643 Ack=1 Win=66048 Len=1380 [TCP
285	3.451050	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [PSH, ACK] Seq=229023 Ack=1 Win=66048 Len=1380
286	3.451053	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=230403 Ack=1 Win=66048 Len=1380 [TCP
287	3.451056	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=231783 Ack=1 Win=66048 Len=1380 [TCP
288	3.451059	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=233163 Ack=1 Win=66048 Len=1380 [TCP
289	3.451061	10.8.20.118	128.119.245.12	TCP	1434	58724 → 80 [ACK] Seq=234543 Ack=1 Win=66048 Len=1380 [TCP
290	3.451064	10.8.20.118	128.119.245.12	HTTP	1434	POST /wireshark-labs/lab3-1-reply.htm HTTP/1.1 (applicat
291	3.451102	128.119.245.12	10.8.20.118	TCP	60	80 → 58724 [ACK] Seq=1 Ack=136050 Win=240128 Len=0
292	3.451102	128.119.245.12	10.8.20.118	TCP	60	80 → 58724 [ACK] Seq=1 Ack=137430 Win=241152 Len=0
293	3.451128	128.119.245.12	10.8.20.118	TCP	60	80 → 58724 [ACK] Seq=1 Ack=138810 Win=241152 Len=0
294	3.451796	128.119.245.12	10.8.20.118	TCP	60	80 → 58724 [ACK] Seq=1 Ack=142950 Win=241152 Len=0

> Frame 290: 1434 bytes on wire (11472 bits), 1434 bytes captured (11472 bits) on interface 0
 > Ethernet II, Src: Dell_16:30:6f (14:b3:1f:16:30:6f), Dst: Cisco_59:ec:bf (00:2c:c8:59:ec:bf)
 > Internet Protocol Version 4, Src: 10.8.20.118, Dst: 128.119.245.12
 > Transmission Control Protocol, Src Port: 58724, Dst Port: 80, Seq: 235923, Ack: 1, Len: 1380

Source Port: 58724
 Destination Port: 80
 [Stream index: 8]
 [TCP Segment Len: 1380]
 Sequence number: 235923 (relative sequence number)
 [Next sequence number: 237303 (relative sequence number)]
 Acknowledgment number: 1 (relative ack number)
 0101 = Header Length: 20 bytes (5)
 > Flags: 0x018 (PSH, ACK)
 Window size value: 258
 [Calculated window size: 66048]
 [Window size scaling factor: 256]
 Checksum: 0x36e6 [unverified]
 [Checksum Status: Unverified]

A full PRINT of the HTTP OK message as the last page.

C:\Users\Saints\AppData\Local\Temp\wireshark_23890EB4-85B3-4545-A889-DA70B712816F_20190225184740_a06584.pcapng 389 total packets, 329 shown

No.	Time	Source	Destination	Protocol	Length	Info
331	3.467099	128.119.245.12	10.8.20.118	HTTP	831	HTTP/1.1 200 OK (text/html)

Frame 331: 831 bytes on wire (6648 bits), 831 bytes captured (6648 bits) on interface 0
Ethernet II, Src: Cisco_59:ec:bf (00:2c:c8:59:ec:bf), Dst: Dell_16:30:6f (14:b3:1f:16:30:6f)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.8.20.118
Transmission Control Protocol, Src Port: 80, Dst Port: 58724, Seq: 1, Ack: 237303, Len: 777
Source Port: 80
Destination Port: 58724
[Stream index: 8]
[TCP Segment Len: 777]
Sequence number: 1 (relative sequence number)
[Next sequence number: 778 (relative sequence number)]
Acknowledgment number: 237303 (relative ack number)
0101 = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
Window size value: 3053
[Calculated window size: 390784]
[Window size scaling factor: 128]
Checksum: 0x5b9e [unverified]
[Checksum Status: Unverified]
Urgent pointer: 0
[SEQ/ACK analysis]
[Timestamps]
TCP payload (777 bytes)
Hypertext Transfer Protocol
Line-based text data: text/html (11 lines)