



# SHARKFEST 2015 PACKET CHALLENGE ANSWERS

## **PAY ME NOW** Trace File: dnsing.pcapng

1. 23.13.82.234 and 23.196.228.157
2. 7,196
3. 0x9AB9
4. 0.088701 seconds
5. Akamai

Comments:

## **GO GO SPEED RACER** Trace File: http-gogo.pcapng

1. 204 ms (includes iRTT)
2. 101 packets
3. OpenSans-Semibold.ttf
4. 146 ms
5. frame 127

Comments:

#1: The GET / request is in packet 4, not 3, as many of you noted.

#5: Sender's SEQ# < receiver's last ACK #

## **FTP ME, BABY** Trace File: tcp-bigftp.pcapng

1. MSS, Window Scaling, SACK, TCP Timestamps
2. 66608
3. Win32
4. 0.006486000 seconds
5. Window Scaling factor is unknown; no handshake seen

Comments:

## **WHATS UP?** Trace File: whatsapp.pcapng

1. Needs to fragment packet 18 which had DF bit set
2. 1500
3. Last hop before 108.160.172.65
4. Same as system named in #3 above
5. 0 extra packets

Comments:

#3: IP address appears anonymized in this trace file.

#5:  $6000/1460 = 4112 = 5$  packets

## **PRINTING PAIN!** Trace File: printpain.pcapng

1. HP Officejet 6500 E710n-z
2. Installation.pdf
3. 17,520
4. (1) sequence number is the next expected one, (2) the window in the other direction is 0, and (3) the segment is exactly 1 byte
5. 25.682732 seconds

Comments:

#4: As stated in *packet-tcp.c* dissector file.