

## 8.6. Use Tshark to Export Specific Field Values and Statistics from a Trace File

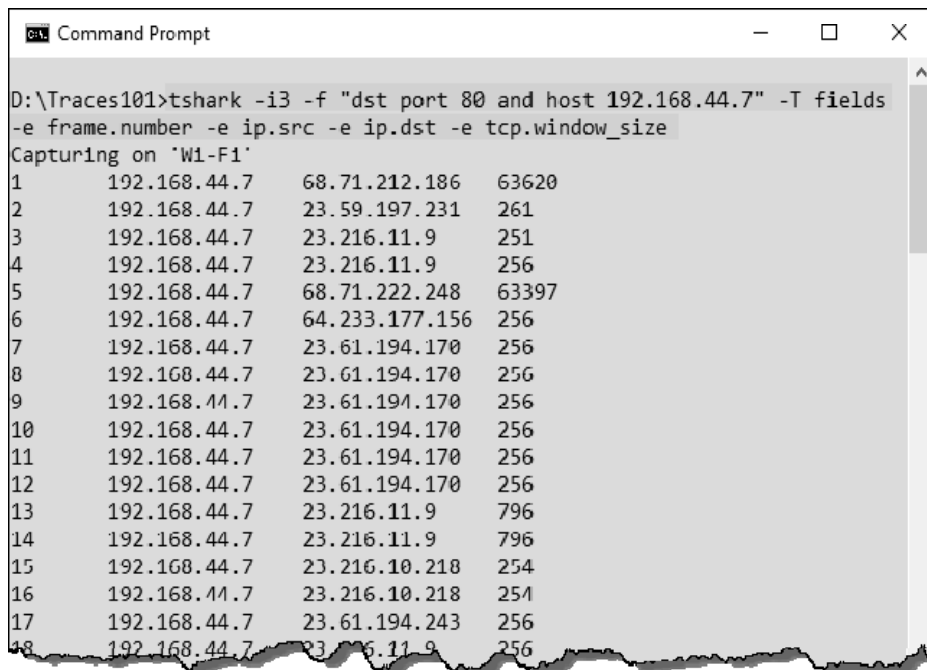
Sometimes you may want to get a general feel for the traffic with or without capturing the traffic. This is where Tshark is the only command-line tool to use.

Run `tshark -h` to view the available options. Field export options and export statistics are listed under the Output area.

### Export Field Values

You must use `-T fields` first. Then you can list the fields you are interested in after the `-e` parameter. You can combine these parameters with display filters as needed. For example, in Figure 136 we typed `tshark -i3 -f "dst port 80 and host 192.168.44.7" -T fields -e frame.number -e ip.src -e ip.dst -e tcp.window_size` to capture traffic to/from 192.168.44.7 to destination port 80 on interface 3 and display the frame number, source and destination IP addresses, and TCP window size value.

You will need to manually stop the capture process using `Ctrl+C`. If you can't manually stop the process, consider adding a stop condition to your Tshark command.



```

D:\Traces101>tshark -i3 -f "dst port 80 and host 192.168.44.7" -T fields
-e frame.number -e ip.src -e ip.dst -e tcp.window_size
Capturing on 'Wi-Fi'
1      192.168.44.7      68.71.212.186      63620
2      192.168.44.7      23.59.197.231      261
3      192.168.44.7      23.216.11.9        251
4      192.168.44.7      23.216.11.9        256
5      192.168.44.7      68.71.222.248      63397
6      192.168.44.7      64.233.177.156     256
7      192.168.44.7      23.61.194.170      256
8      192.168.44.7      23.61.194.170      256
9      192.168.44.7      23.61.194.170      256
10     192.168.44.7      23.61.194.170      256
11     192.168.44.7      23.61.194.170      256
12     192.168.44.7      23.61.194.170      256
13     192.168.44.7      23.216.11.9        796
14     192.168.44.7      23.216.11.9        796
15     192.168.44.7      23.216.10.218      254
16     192.168.44.7      23.216.10.218      254
17     192.168.44.7      23.61.194.243      256
18     192.168.44.7      23.61.11.9         256
  
```

Figure 136. You will need to manually stop the capture process

Use the `-E` parameter to add options to make the exported information easier to read. For example, add `-E header=y` to add a field header.