## Analyze netmon trace

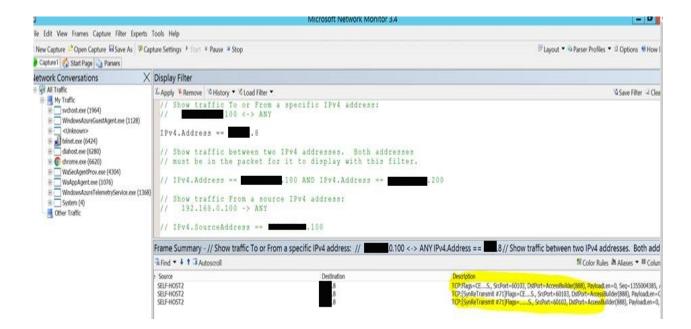
Last updated by | Jackie Huang | Jan 4, 2022 at 12:24 AM PST

## How to analyze netmon trace

Tuesday, March 10, 2020 6:21 PM

When you tried to telnet 8.8.8.8 888 with netmon trace collected, you suppose can see below trace:

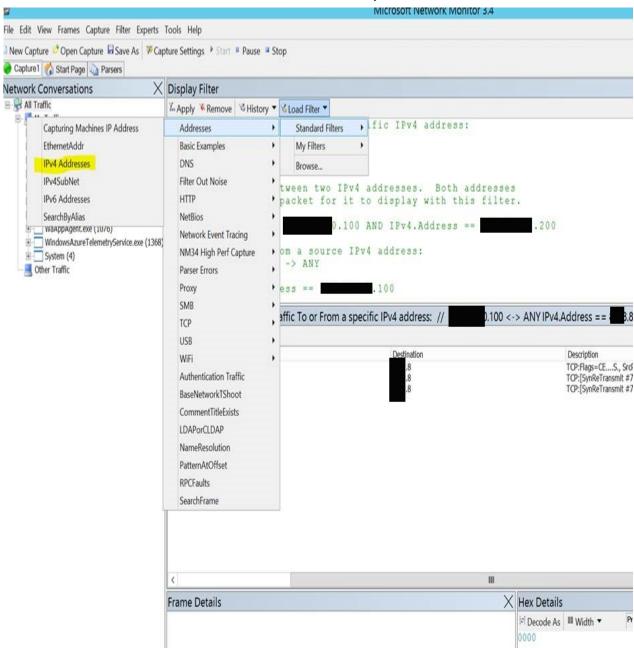
```
C:\Users\._____>telnet 8.8.8.8 888
Connecting To 8.8.8.8...Could not open connection to the host, on port 888: Conn
ect failed
```



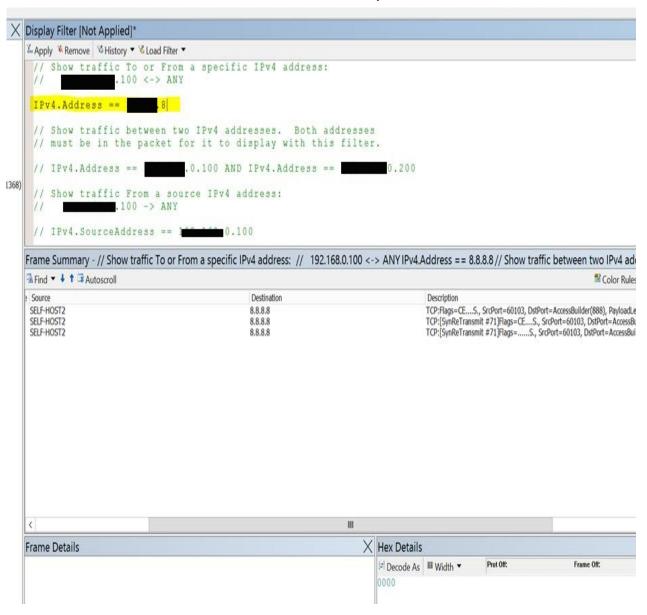
What does it mean? It means that you could not make TCP connection to the 8.8.8.8 server side based on the port 888, so you can see two SynReTransmit additional packages there, since Source SELF-HOST2 could not make connection to 8.8.8.8 at the first package, it will keep on making connection.

Tips:

1, You can Click Load Filter->Standard Filter->Addresses->IPv4 Addresses

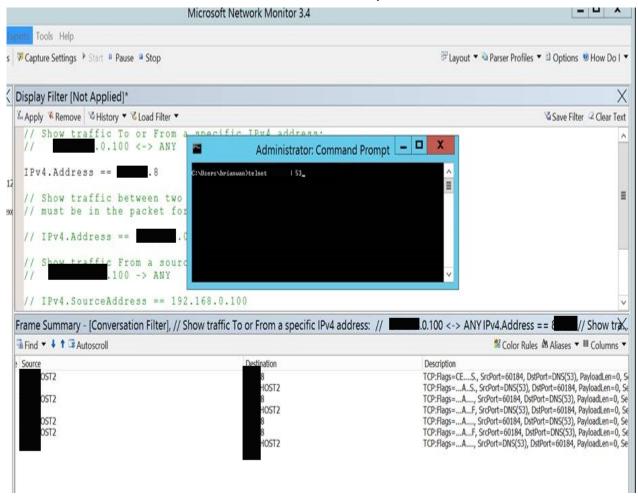


2, Input IPv4.Address == 8.8.8.8 as filter, and click Apply. After that, you will see only the communication from local machine to the destination 8.8.8.8.

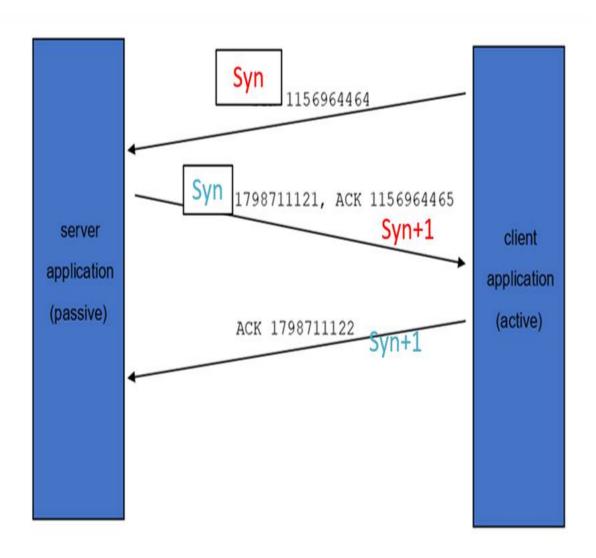


How about below good scenario?

telnet 8.8.8.8 53 and working fine without any issue, you can see TCP three handshake happening, and then finished the session with 4 way handshake.

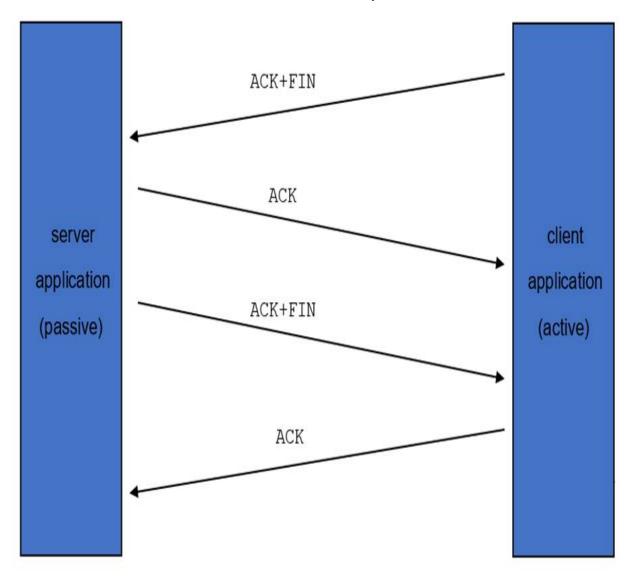


Based on the above tcp 3 handshake, you can see below pic.



4 handshake to finish the session would be following chart:

TCP:Flags=...A..., SrcPort=DNS(53), DstPort=60184, PayloadLen=0, Seq=1798711122, Ack=1798711123, Win TCP:Flags=...A..., SrcPort=60184, DstPort=DNS(53), PayloadLen=0, Seq=1156964465, Ack=1798711123, Win TCP:Flags=...A...F, SrcPort=60184, DstPort=DNS(53), PayloadLen=0, Seq=1156964465, Ack=1798711123, Win TCP:Flags=...A..., SrcPort=DNS(53), DstPort=60184, PayloadLen=0, Seq=1798711123, Ack=1156964466, Win



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## How good have you found this content?

