

Crash Analysis OCT27 408PM

Martin... thanks for sticking with this and providing advice. After two day of work, I am so skilled that I now can get some data via WireShark!!! But, I still have not been able to identify any cause for the ESP/uMQTTBroker.h CRASH. Please look and advise. LZH

The PDF shows a more detailed analysis with pictures. A Wireshark analysis file is also attached.

IP 10.0.0.248 is the ESP that contains your example file, with the counter removed.

IP 10.0.0.244 is the CLIENT PC hosting HS3

Process steps and the links to the WireShark line numbers is:

ESP off

HS3 CLIENT disconnected

ESP ON, HS3 ENABLED

829 - Client 244 connects

830 – ESP responds “connected”

832 to 848 – HS3 sends LWT, Unsubscribe and Subscribe

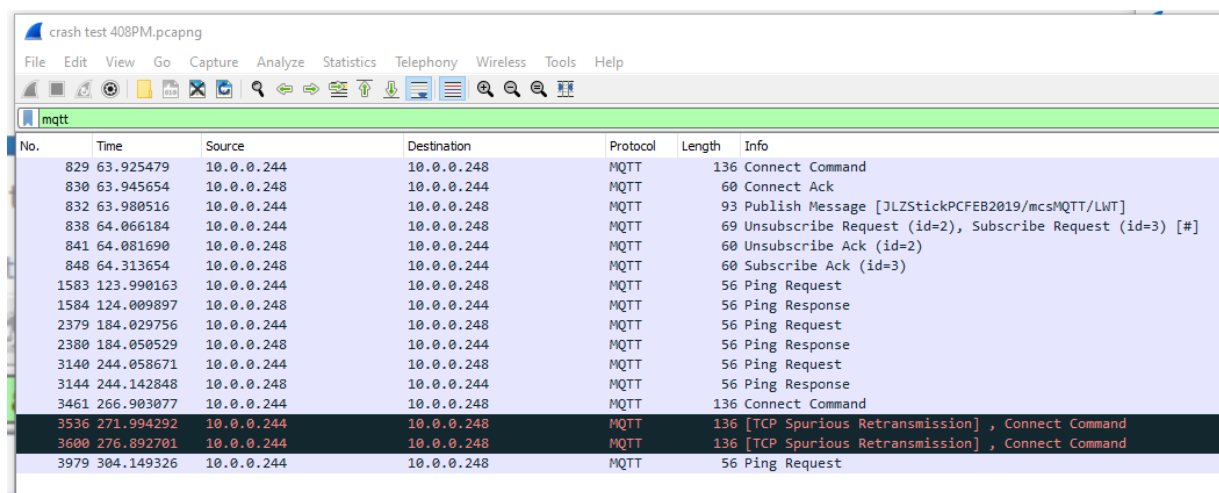
After 2379

– Disable HS3

Enable HS3

3461 HS3 Sends CONNECT

ESP Crashes



The image shows a Wireshark capture of MQTT traffic. The interface includes a menu bar (File, Edit, View, Go, Capture, Analyze, Statistics, Telephony, Wireless, Tools, Help) and a toolbar. The main pane displays a list of captured packets with columns for No., Time, Source, Destination, Protocol, Length, and Info. The filter 'mqtt' is applied. The capture shows a sequence of MQTT messages between 10.0.0.244 and 10.0.0.248. The last three packets (3600, 3600, and 3979) are highlighted in black, indicating a crash. Packet 3600 is a 'Connect Command' with a length of 136 bytes, and its info field contains '[TCP Spurious Retransmission], Connect Command'. Packet 3979 is a 'Ping Request' with a length of 56 bytes.

No.	Time	Source	Destination	Protocol	Length	Info
829	63.925479	10.0.0.244	10.0.0.248	MQTT	136	Connect Command
830	63.945654	10.0.0.248	10.0.0.244	MQTT	60	Connect Ack
832	63.980516	10.0.0.244	10.0.0.248	MQTT	93	Publish Message [JLZStickPCFEB2019/mcsMQTT/LWT]
838	64.066184	10.0.0.244	10.0.0.248	MQTT	69	Unsubscribe Request (id=2), Subscribe Request (id=3) [#]
841	64.081690	10.0.0.248	10.0.0.244	MQTT	60	Unsubscribe Ack (id=2)
848	64.313654	10.0.0.248	10.0.0.244	MQTT	60	Subscribe Ack (id=3)
1583	123.990163	10.0.0.244	10.0.0.248	MQTT	56	Ping Request
1584	124.009897	10.0.0.248	10.0.0.244	MQTT	56	Ping Response
2379	184.029756	10.0.0.244	10.0.0.248	MQTT	56	Ping Request
2380	184.050529	10.0.0.248	10.0.0.244	MQTT	56	Ping Response
3140	244.058671	10.0.0.244	10.0.0.248	MQTT	56	Ping Request
3144	244.142848	10.0.0.248	10.0.0.244	MQTT	56	Ping Response
3461	266.903077	10.0.0.244	10.0.0.248	MQTT	136	Connect Command
3536	271.994292	10.0.0.244	10.0.0.248	MQTT	136	[TCP Spurious Retransmission], Connect Command
3600	276.892701	10.0.0.244	10.0.0.248	MQTT	136	[TCP Spurious Retransmission], Connect Command
3979	304.149326	10.0.0.244	10.0.0.248	MQTT	56	Ping Request