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PROBLEMS OUTPUT DEBUG CONSOLE PORTS TAILSCALE
▼ TERMINAL

[1/5] Checking key...
-- Key Expired! Renewing...
-- Constructed public key frame in 0.38 ms
-- Publish succeeded
-- Sent public key frame to server
-- Received public key from server
-- Shared secret computed successfully 43 C5 C2 72 C4 96 29 1E 8F 65 EC 4D 78 4A 04 36
-- Handshake for key exchanging completed in 824.76 ms
-- Construct frame key to STM32...
-- Frame constructed in 0.59 ms
-- Transmitting key to STM32...
-- Transmit key to STM32 completed in 9.96 ms
[2/5] Transmitting trigger signal to STM32...
-- Constructing frame for transmitting trigger signal to STM32...
-- Command: 4
-- Transmitting trigger signal to STM32
-- Transmit trigger signal to STM32 completed in 9.93 ms
[3/5] Frame processing...
-- Receiving data from STM32
-- Frame parsing completed in 0.35 ms
-- Frame parsing completed in 32.59 ms
[4/5] Construct and send data to server...
Safe counter current: 148
-- Constructing server data frame
-- Sequence number: 1
-- Server data frame constructed in 0.0990 ms
-- Publish succeeded
-- Sent server data frame to server in 4.8140 ms
-- Send data to server completed in 16.00 ms
[5/5] Waiting for ACK package...
-- Received ACK package from server in 224.48 ms
[SPECIAL PACKET PER MINUTE] SENDING METRICS: PDR: 12.50%, AVG LATENCY: 1152.84 ms]
-- Publish succeeded
Metrics sent - PDR: 12.50, Latency: 1152.84, Packets: 1
[NICE] Transmission completed!
[1/5] Checking key...
-- Key is still valid
[2/5] Transmitting trigger signal to STM32...
-- Constructing frame for transmitting trigger signal to STM32...
-- Command: 1
-- Transmitting trigger signal to STM32
-- Transmit trigger signal to STM32 completed in 9.95 ms
```

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-> Processed handshake/ecdh in 1ms
- Received ECDH Handshake message
- Parsed Handshake Frame:
```

(index)	Field	Value
0	'Preamble'	'0xaa55'
1	'Identifier ID'	'0x8110910'
2	'Packet Type'	'0x3'
3	'Public Key'	'56df8f2d5bb2a84d...'
4	'End Marker'	'0xaabb'

```
- Received client public key: 56df8f2d5bb2a84d...
- Successfully published server public key
- Generated secret key: 43c5c272c496291e...
-> Processed handshake/ecdh in 124ms
- Received ECDH Handshake message
Start Parsing Data Frame
Derived key successfully: 0b16b9eaa639fd31...
- Session key generated: 0b16b9eaa639fd31...
- Derivation index 687
[1/3] Parse data frame completed
- Parsed Server Data Frame:
```

```
npm start

[+] [TOPIC_SUBSCRIBED] ESP32Client -> handshake-send/ecdh
[+] [CLIENT_DISCONNECTED] ESP32Client
[+] [CLIENT_CONNECTED] ESP32Client
[+] [TOPIC_SUBSCRIBED] ESP32Client -> handshake-send/ecdh
[+] [CLIENT_DISCONNECTED] ESP32Client
[+] [CLIENT_CONNECTED] ESP32Client
[+] [TOPIC_SUBSCRIBED] ESP32Client -> handshake-send/ecdh
[+] [CLIENT_DISCONNECTED] mqttjs_0bad9e3d
[+] [CLIENT_CONNECTED] mqttjs_c4c230d1
[+] [TOPIC_SUBSCRIBED] mqttjs_c4c230d1 -> sensors/data
[+] [TOPIC_SUBSCRIBED] mqttjs_c4c230d1 -> encrypt/dhexchange
[+] [TOPIC_SUBSCRIBED] mqttjs_c4c230d1 -> handshake/ecdh
[+] [TOPIC_SUBSCRIBED] mqttjs_c4c230d1 -> metrics/data
[+] [TOPIC_SUBSCRIBED] mqttjs_c4c230d1 -> init/session
[+] [CLIENT_DISCONNECTED] ESP32Client
[+] [CLIENT_CONNECTED] ESP32Client
[+] [TOPIC_SUBSCRIBED] ESP32Client -> handshake-send/ecdh
[+] [CLIENT_DISCONNECTED] ESP32Client
[+] [CLIENT_CONNECTED] ESP32Client
[+] [TOPIC_SUBSCRIBED] ESP32Client -> handshake-send/ecdh
[+] [CLIENT_DISCONNECTED] ESP32Client
[+] [CLIENT_CONNECTED] ESP32Client
[+] [TOPIC_SUBSCRIBED] ESP32Client -> handshake-send/ecdh
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