

PROBLEMS OUTPUT DEBUG CONSOLE PORTS TAILSCALE

▼ TERMINAL Monitor - Task

```
[1/5] Checking key...
-- Key Expired! Renewing...
-- Constructed public key frame in 0.37 ms
-- Publish succeeded
-- Sent public key frame to server
-- Received public key from server
-- Shared secret computed successfully 6E 21 E1 15 8A 98 BA 5E 6B 84
D5 79 3D 16 8F 68
-- Handshake for key exchanging completed in 3280.37 ms
-- Construct frame key to STM32...
-- Frame constructed in 0.58 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: 1
-- 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 0.34 ms
-- Frame parsing completed in 59.51 ms
[4/5] Construct and send data to server...
Safe counter current: 155
-- Constructing server data frame
-- Sequence number: 1
-- Server data frame constructed in 0.0990 ms
-- Publish succeeded
-- Sent server data frame to server in 3.7290 ms
-- Send data to server completed in 14.97 ms
[5/5] Waiting for ACK package...
-- Received ACK package from server in 85.70 ms
[NICE] Transmission completed!
```

main* Run Testcases 0 0 0 1 Default (DVGW)

```
[3/3] Publish ACK to handshake-send/ecdh completed
[NICE] Everything is done
-> Processed handshake/ecdh in 88ms
-- Received ECDH Handshake message
-- Parsed Handshake Frame:
```

(index)	Field	Value
0	'Preamble'	'0xaa55'
1	'Identifier ID'	'0x8110910'
2	'Packet Type'	'0x3'
3	'Public Key'	'5b37956d589e3d50...'
4	'Nonce'	'ddbdcda2fcab56068a30e5ee4a1e36ed'
5	'Auth Tag'	'326986f129e0c96a606f5ae6edbecb5e'
6	'End Marker'	'0xaaab'

```
-- Received client public key: 5b37956d589e3d50...
-- Successfully published server public key
-- Generated secret key: 6e21e1158a98ba5e...
-> Processed handshake/ecdh in 87ms
-- Received ECDH Handshake message
Start Parsing Data Frame
Derived key successfully: b3eeac62b3189ff8...
-- Session key generated: b3eeac62b3189ff8...
-- Derivation index 838
[1/3] Parse data frame completed
-- Parsed Server Data Frame:
```

(index)	Field	Value
0	'Preamble'	'0xaa55'
1	'Identifier ID'	'0x8110910'

MQTT Broker running on port: 1885

- ✓ [CLIENT_CONNECTED] mqttjs_887a8152
- ✓ [TOPIC_SUBSCRIBED] mqttjs_887a8152 → sensors/data
- ✓ [TOPIC_SUBSCRIBED] mqttjs_887a8152 → encrypt/dhexchange
- ✓ [TOPIC_SUBSCRIBED] mqttjs_887a8152 → handshake/ecdh
- ✓ [TOPIC_SUBSCRIBED] mqttjs_887a8152 → metrics/data
- ✓ [TOPIC_SUBSCRIBED] mqttjs_887a8152 → init/session
- ✓ [CLIENT_CONNECTED] ESP32Client
- ✓ [TOPIC_SUBSCRIBED] ESP32Client → handshake-send/ecdh
- ✗ [CLIENT_DISCONNECTED] ESP32Client
- ✓ [CLIENT_CONNECTED] ESP32Client
- ✓ [TOPIC_SUBSCRIBED] ESP32Client → handshake-send/ecdh