

## Reproduce issue in docker

The issue can only be reproduced by docker, as customer said. The steps are as follows:

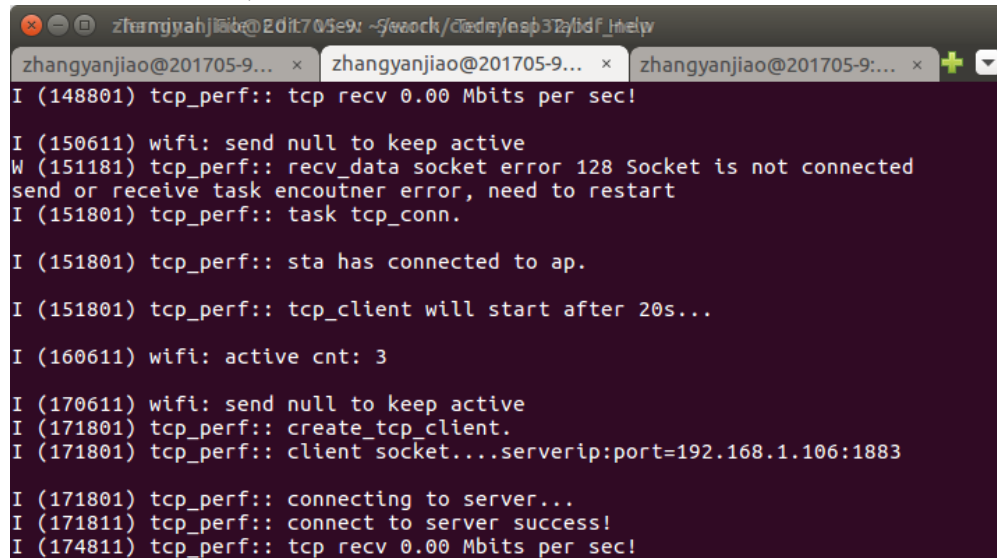
- (1) Install docker :  
curl -sSL <https://get.docker.com/> | sh
- (2) Use docker as a non-root user :  
sudo usermod -aG docker zhangyanjiao
- (3) Running the image:  
docker run -d --restart always -p 1883:1883 -p 9001:9001 -v Mosquitto:/mosquitto/ eclipse-mosquitto
- (4) Check the running state of docker :  
docker ps

```
zhangyanjiao@201705-9: ~/work/code/esp32elp
zhangyanjiao@201705-9:~/work/code/esp32$ docker run -d --restart always -p 1883:1883 -p 9001:9001 -v Mosquitto:/mosquitto/ eclipse-mosquitto
Unable to find image 'eclipse-mosquitto:latest' locally
latest: Pulling from library/eclipse-mosquitto
88286f41530e: Pull complete
748a85e8395c: Pull complete
768b05115bff: Pull complete
Digest: sha256:47ba652b6d146c5824a4bc3d4d5bc83c01b08aaee3d6d140646eae3021d6be8a
Status: Downloaded newer image for eclipse-mosquitto:latest
2fc98b68ff334b22292d844b8487bc22226fd57a33122b904f3540a3200e09f0
zhangyanjiao@201705-9:~/work/code/esp32$ docker ps
CONTAINER ID        IMAGE               COMMAND                  CREATED
STATUS            PORTS
2fc98b68ff33       eclipse-mosquitto   "/docker-entrypoint..." 40 minutes ago
Up 40 minutes      0.0.0.0:1883->1883/tcp, 0.0.0.0:9001->9001/tcp
vibrant_poincare
```

- (5) the host of docker connects to router, IP address : 192.168.1.106
- (6) ESP32 IP address: 192.168.1.101, port : 1883, use example code “tcp\_perf”, STA mode, as TCP client
- (7) Firstly, docker stop, ESP32 connects to PC(with docker) , connection fail.
- (8) Secondly, docker start, ESP32 connects to PC(with docker), connection succeed.

```
zhangyanjiao@201705-9: ~/work/code/esp32/idf_new
I (30601) wifi: active cnt: 3
I (40601) wifi: send null to keep active
I (41751) tcp_perf:: create_tcp_client.
I (41751) tcp_perf:: client socket....serverip:port=192.168.1.106:1883
I (41751) tcp_perf:: connecting to server...
W (41771) tcp_perf:: client connect socket error 104 Connection reset by peer
I (41771) tcp_perf:: create tcp socket error,stop.
I (41771) tcp_perf:: task tcp_conn.
I (41771) tcp_perf:: sta has connected to ap.
I (41781) tcp_perf:: tcp_client will start after 20s...
I (50601) wifi: active cnt: 1
I (60601) wifi: send null to keep active
I (61791) tcp_perf:: create_tcp_client.
I (61791) tcp_perf:: client socket....serverip:port=192.168.1.106:1883
I (61791) tcp_perf:: connecting to server...
I (61801) tcp_perf:: connect to server success!
I (64801) tcp_perf:: tcp recv 0.00 Mbits per sec!
```

- (9) PC disconnects to router, connection fail;
- (10) PC reconnects to router, connection succeed.



```
zhangyanjiao@201705-9... x zhangyanjiao@201705-9... x zhangyanjiao@201705-9:... x +
I (148801) tcp_perf:: tcp recv 0.00 Mbits per sec!
I (150611) wifi: send null to keep active
W (151181) tcp_perf:: recv_data socket error 128 Socket is not connected
send or receive task encounter error, need to restart
I (151801) tcp_perf:: task tcp_conn.
I (151801) tcp_perf:: sta has connected to ap.
I (151801) tcp_perf:: tcp_client will start after 20s...
I (160611) wifi: active cnt: 3
I (170611) wifi: send null to keep active
I (171801) tcp_perf:: create_tcp_client.
I (171801) tcp_perf:: client socket....serverip:port=192.168.1.106:1883
I (171801) tcp_perf:: connecting to server...
I (171811) tcp_perf:: connect to server success!
I (174811) tcp_perf:: tcp recv 0.00 Mbits per sec!
```