

客户疑问：MQTT 断线通过捕获异常获取，但是断线后，异常捕获不到

疑问解答：会抛出异常，umqtt 已经做了处理，上层的 try 捕捉不到下面的异常，对于断线后会尝试重连，有 log 输出，不会直接抛出异常。下面是测试的部分 LOG（之前一直收发，后面拔卡后尝试重连）

```
INFO:MQTT:Connected to mq.tongxinmao.com, subscribed to /public/TEST/quecpython topic
INFO:MQTT:Publish topic: /public/TEST/quecpython, msg: my name is Quecpython
INFO:MQTT:Subscribe Recv: Topic=/public/TEST/quecpython,Msg=11 22 33

INFO:MQTT:Subscribe Recv: Topic=/public/TEST/quecpython,Msg=my name is Quecpython!

INFO:MQTT:Connected to mq.tongxinmao.com, subscribed to /public/TEST/quecpython topic
INFO:MQTT:Publish topic: /public/TEST/quecpython, msg: my name is Quecpython
INFO:MQTT:Subscribe Recv: Topic=/public/TEST/quecpython,Msg=11 22 33

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INFO:MQTT:Publish topic: /public/TEST/quecpython, msg: my name is Quecpython
INFO:MQTT:Subscribe Recv: Topic=/public/TEST/quecpython,Msg=11 22 33

WARN:MQTT:[2021-1-27 10:12:48] wait_msg, Network exception. Trying to reconnect
INFO:MQTT:[2021-1-27 10:12:48] Wait for reconnection.

INFO:MQTT:[2021-1-27 10:12:53] Wait for reconnection.

INFO:MQTT:[2021-1-27 10:12:58] Wait for reconnection.
```

具体的测试代码是：

```
from umqtt import MQTTClient
import utime
import log
import checkNet

PROJECT_NAME = "QuecPython_MQTT_example"
PROJECT_VERSION = "1.0.0"

checknet = checkNet.CheckNetwork(PROJECT_NAME, PROJECT_VERSION)

# 设置日志输出级别
log.basicConfig(level=log.INFO)
mqtt_log = log.getLogger("MQTT")

state = 0
def sub_cb(topic, msg):
    global state
    mqtt_log.info("Subscribe Recv: Topic={},Msg={}".format(topic.decode(),
msg.decode()))

if __name__ == '__main__':
    utime.sleep(5)
```

```
checknet.poweron_print_once()
checknet.wait_network_connected()
c = MQTTClient("umqtt_client", "mq.tongxinmao.com", 18830)
c.set_callback(sub_cb)
c.connect()
while True:
    c.subscribe(b"/public/TEST/quecpython")
    mqtt_log.info("Connected to mq.tongxinmao.com, subscribed to
/public/TEST/quecpython topic")
    # 发布消息
    c.publish(b"/public/TEST/quecpython", b"my name is Quecpython!")
    mqtt_log.info("Publish topic: /public/TEST/quecpython, msg: my name is
Quecpython")
    c.wait_msg() # 阻塞函数, 监听消息
    if state == 1:
        break
c.disconnect()
```