

5.2.3 Access to SSL/TLS MQTT server (verify server and client)

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//Access to SSL/TLS MQTT server (verify server and client).
AT+CSSLCFG="sslversion",0,4 Set the SSL version of the first SSL context
OK

AT+CSSLCFG="authmode",0,2 Set the authentication mode(verify server and
client) of the first SSL context
OK
AT+CSSLCFG="cacert",0,"ca_cert.pem" Set the server root CA of the first SSL context
OK
AT+CSSLCFG="clientcert",0,"cert.pem" Set the client certificate of the first SSL context
OK
AT+CSSLCFG="clientkey",0,"key_cert.pem" Set the client key of the first SSL context
OK
AT+CMQTTSTART start MQTT service, activate PDP context
OK

+CMQTTSTART: 0
AT+CMQTTACCQ=0,"client test0",1 Acquire one client which will connect to a SSL/TLS
MQTT server
OK
AT+CMQTTSSLCFG=0,0 Set the first SSL context to be used in the SSL
connection
OK
AT+CMQTTWILLTOPIC=0,10 Set the will topic for the CONNECT message
>0123456789

OK
AT+CMQTTWILLMSG=0,6,1 Set the will message for the CONNECT message
>qwerty

OK
AT+CMQTTCONNECT=0,"tcp://hooleeping.co Connect to a MQTT server
m:8883",60,1
OK

+CMQTTCONNECT: 0,0
AT+CMQTTTOPIC=0,13 Set the topic for the PUBLISH message
>dddrrrggghhhk

OK
AT+CMQTPPAYLOAD=0,60 Set the payload for the PUBLISH message
>01234567890123456789012345678901234567
8901234567890123456789

OK
AT+CMQTPUB=0,1,60 Publish a message
OK
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+CMQTPUB: 0,0

AT+CMQTTSUBTOPIC=0,9,1

>123456789

Set one topic for the SUBSCRIBE message

OK

AT+CMQTTSUB=0

OK

Subscribe a message

+CMQTTSUB: 0,0

AT+CMQTTSUB=0,9,1

>simcommsg

OK

Subscribe one topic from the server

+CMQTTSUB: 0,0

AT+CMQTTUNSUB=0,9,0

>simcommsg

OK

Unsubscribe one topic from the server

+CMQTTUNSUB: 0,0

AT+CMQTTDISC=0,120

OK

Disconnect from server

+CMQTTDISC: 0,0

AT+CMQTTREL=0

OK

Release the client

AT+CMQTTSTOP

OK

Stop MQTT Service

+CMQTTSTOP: 0