1. Go to Website <https://github.com/hirotakaster/CoAP-simple-library>

## **How to use**

Download this source code branch zip file and extract it to the Arduino libraries directory or checkout repository.

cd $HOME/Documents/Arduino/libraries/

git clone https://github.com/hirotakaster/CoAP-simple-library

# restart Arduino IDE, you can find CoAP-simple-library examples.

1. These examples need CoAP server, client apps from libcoap to test the example program.

git clone https://github.com/obgm/libcoap

sudo apt install autoconf automake pkgconf libtool

cd libcoap/

./autogen.sh

./configure --disable-doxygen --disable-manpages

make

export LD\_LIBRARY\_PATH=$LD\_LIBRARY\_PATH:.libs

gcc -o coap-server ./examples/coap-server.c -I./include -I. -L.libs ./.libs/libcoap-2.so -DWITH\_POSIX

**Edit** #include <coap2/coap\_debug.h> in /examples/coap\_list.c

gcc -o coap-client ./examples/client.c ./examples/coap\_list.c -I./include -I. -L.libs ./.libs/libcoap-2.so -DWITH\_POSIX

./coap-server

# next start Arduino and update ssid and password in ESP32 Example of CoAP Simple Library check the request/response.

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if you change LED, req/res test with coap-client(libcoap), run following.

coap-client -m get coap://(arduino ip addr)/light

coap-client -e "1" -m put coap://(arduino ip addr)/light

coap-client -e "0" -m put coap://(arduino ip addr)/light

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