

Dec, 6, 2018

Working with Paho Library in C

Bulding Paho library from the source

#Download the source code

<https://github.com/eclipse/paho.mqtt.c>

#go to clone or download option

#copy the link

<https://github.com/eclipse/paho.mqtt.c.git>

clone it with git command

//ensure git is installed on host machine

#or can be installed

sudo apt-get install git //Ubuntu systems

#create a directory say - mqtt-test

mkdir mqtt-test

cd mqtt-test

#clone the source code

git clone <https://github.com/eclipse/paho.mqtt.c.git>

enter into -> paho.mqtt.c

cd paho.mqtt.c

#build the code

make

sudo make install

check the available mqtt libraries, bin and header files in

/usr/local/include

/usr/local/lib

/usr/local/bin

Sample codes are available in the

cd paho.mqtt.c/src/samples

Asynchronous mode

MQTTAsync_publish.c
MQTTAsync_subscribe.c

Synchronous mode

MQTTClient_publish.c
MQTTClient_subscribe.c

codes can be compiled by providing linking

-lpaho-mqtt3c

for instance

gcc MQTTClient_publish.c -o publish.out -lpaho-mqtt3c

To understand the APIs, Functions and Macros refer the
reference documents..