

Post Request Aqara on Home Assistant

Requirement:

Burp Suite

Aqara_Home_mod_network.apk

(Link on description)

Script example ssh

Flow nodered example

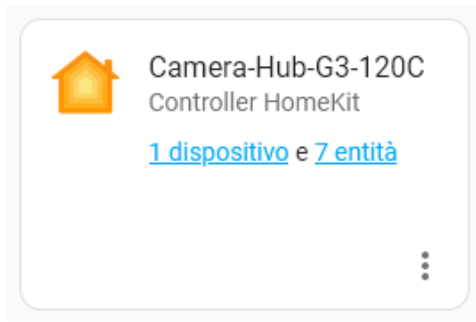
(Link on description)

Example with Aqara Hub G3 120C Cam

Auto install HomeKit with PIN **QRCode** on device

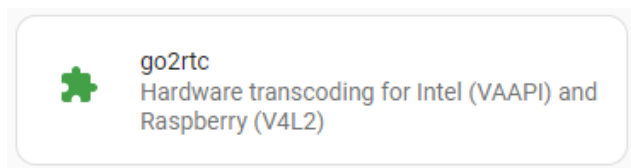
Warning: the port change every reboot of device.

scan and find with nmap, replace in to \config\storage\core.config_entries



Install go2RTC on Homeassistant

<https://github.com/AlexxIT/go2rtc>



Open go2RTC component and see log:



Install WebRTC on Homeassistant

<https://github.com/AlexxIT/WebRTC>

Create Card with Webrtc:

Configurazione scheda

```
1 type: custom:webrtc-camera
2 url: hass:Camera-Hub-G3-120C
3 ui: true
4 mode: webrtc
5 muted: true
6 style: '.mode {display: none}'
7
```

Nessun editor visivo disponibile per il tipo "custom:webrtc-camera".

MOSTRA EDITOR VISIVO



ANNULLA SALVA

See Post Request:

Install Burp Suite Windows

follow:

<https://github.com/SNGWN/Burp-Suite>

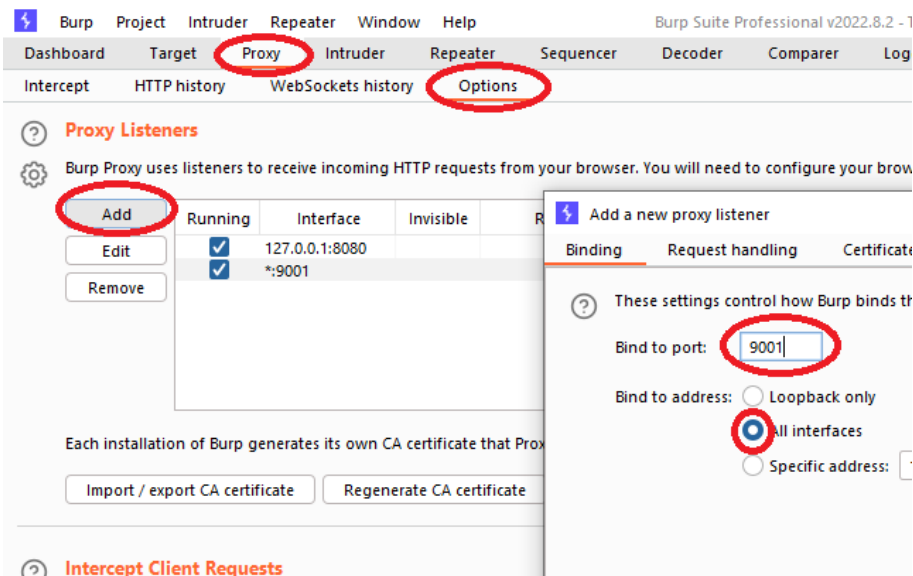
for enable Android:

(<https://portswigger.net/burp/documentation/desktop/mobile/config-android-device>)

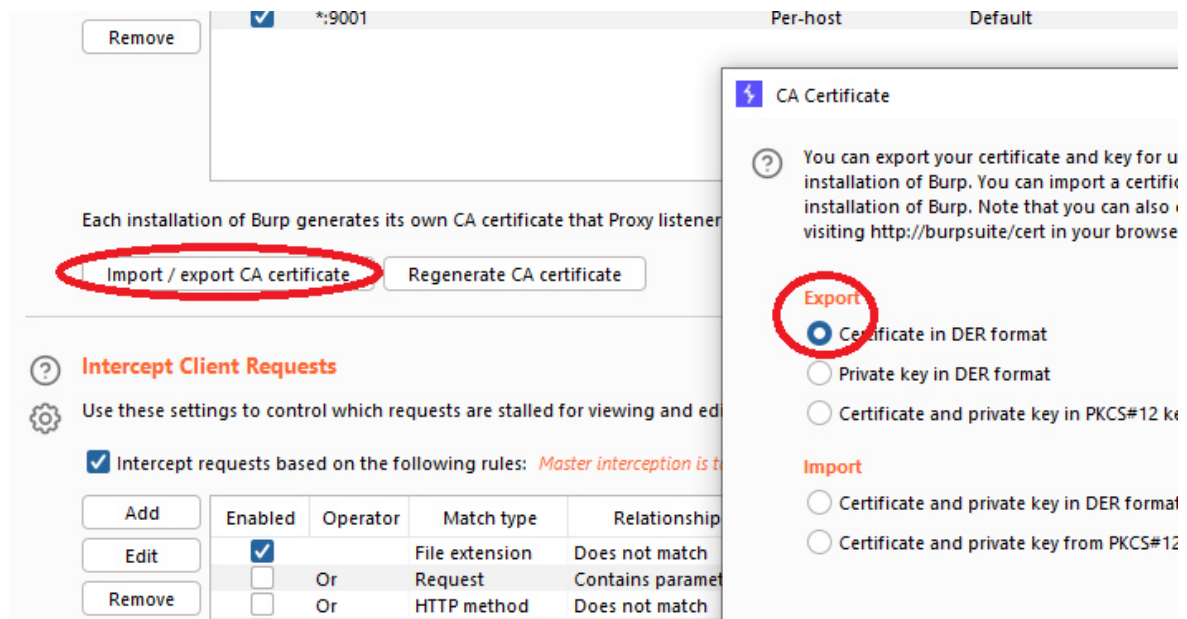
Open Burp Suite

Start proxy server on pc:

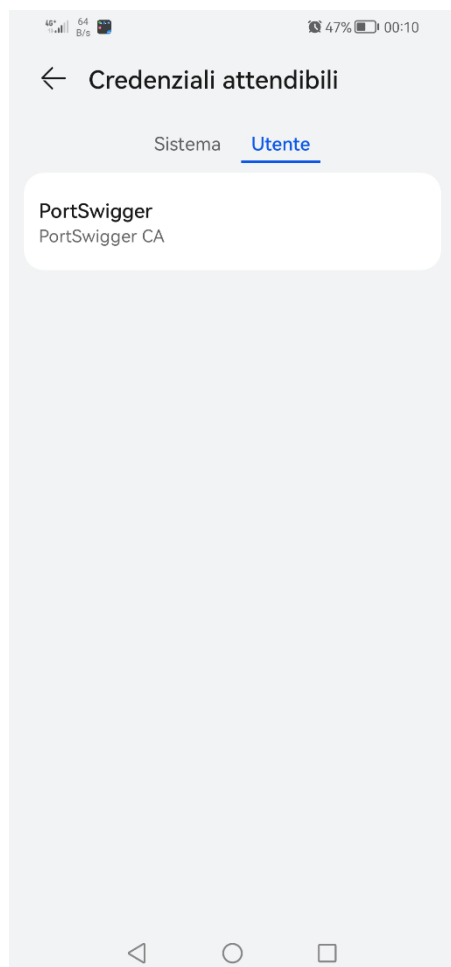
configure proxy server on all interface



Export CA certificate Burp



Download certificate and open file pem on Android Phone to install



Install Aqara_Home_mod_network.apk on Android Phone delete official app Aqara Home

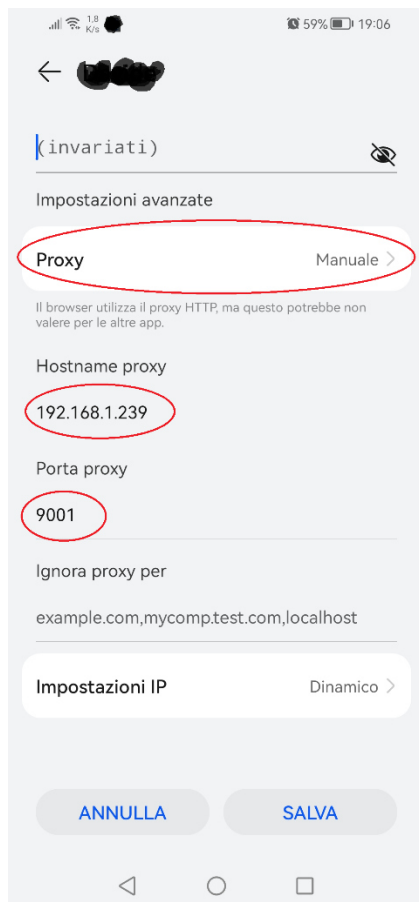
Mod info:

```
\res\xml\network_security_config.xml
<trust-anchors>
    <certificates src="user" />
</trust-anchors>
```

Connect network Phone Wifi and PC over same network

Set proxy on Wifi Andorid Phone:

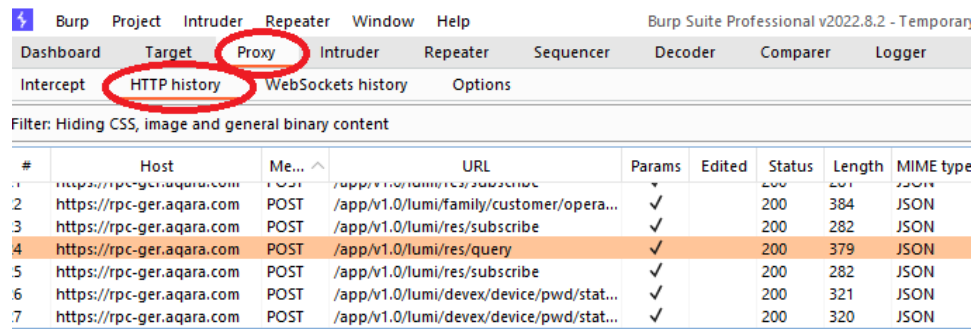
Hold tap ssid wifi -> edit network -> set proxy manual -> IP PC -> Port



Hostname = IP pc with Burp

Open Aqara Home app (Aqara_Home_mod_network.apk) on Android

move camera and see post request from Burp:



#	Host	Method	URL	Params	Edited	Status	Length	MIME type
1	https://rpc-ger.aqara.com	POST	/app/v1.0/lumi/res/subscribe			200	201	JSON
2	https://rpc-ger.aqara.com	POST	/app/v1.0/lumi/family/customer/opera...			200	384	JSON
3	https://rpc-ger.aqara.com	POST	/app/v1.0/lumi/res/subscribe			200	282	JSON
4	https://rpc-ger.aqara.com	POST	/app/v1.0/lumi/res/query			200	379	JSON
5	https://rpc-ger.aqara.com	POST	/app/v1.0/lumi/res/subscribe			200	282	JSON
6	https://rpc-ger.aqara.com	POST	/app/v1.0/lumi/devex/device/pwd/stat...			200	321	JSON
7	https://rpc-ger.aqara.com	POST	/app/v1.0/lumi/devex/device/pwd/stat...			200	320	JSON



Request

Pretty Raw Hex

```
1 POST /app/v1.0/lumi/res/query HTTP/2
2 Host: rpc-ger.aqara.com
3 Lang: en
4 App-Version:
5 Phone-Model:
6 Time: 16792444
7 Sys-Type:
8 Nonce:
9 Phoneid:
10 Area: EU
11 Appid: 444
12 Clientid:
13 Userid:
14 Token: 7f4
15 Sign:
16 Content-Type: application/json; charset=utf-8
17 Content-Length: 75
18 Accept-Encoding: gzip, deflate
19 User-Agent: okhttp/4.0.1
20 {
21   "data": [
```

Response

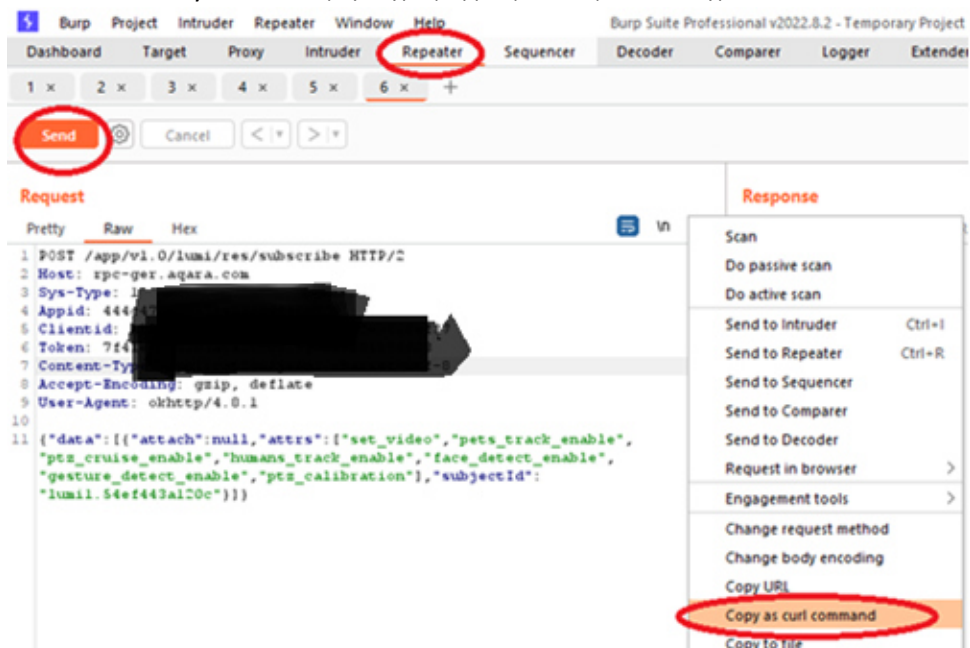
Pretty Raw Hex Render

```
1 HTTP/2 200 OK
2 Date: Sun, 19 Mar 2023 16:47:24 G
3 Content-Type: application/json;ch
4 Content-Length: 202
5 X-Envoy-Upstream-Service-Time: 10
6 Server: istio-envoy
7
8 {
9   "result": [
10     {
11       "timeStamp": 1662583430167,
12       "attr": "pts_calibration",
13       "value": "0",
14       "subjectId": "lumil.54ef443a"
15     }
16   ],
17   "code": 0,
18   "requestId": "1495.38.167924444"
19   "message": "Success",
20   "msgDetails": "Success"
21 }
```

CTRL+R for send request to "Repeater"

Delete unnecessary data

Necessary: Host | Sys-Type | Appid | Token | Content-Type



1 x 2 x 3 x 4 x 5 x 6 x +

Send Cancel < >

Request

Pretty Raw Hex

```
1 POST /app/v1.0/lumi/res/subscribe HTTP/2
2 Host: rpc-ger.aqara.com
3 Sys-Type:
4 Appid: 444
5 Clientid:
6 Token: 7f4
7 Content-Type: application/json; charset=utf-8
8 Accept-Encoding: gzip, deflate
9 User-Agent: okhttp/4.0.1
10 {
11   ("data": [{"attach": null, "attrs": [{"set_video": "pets_track_enable",
12     "pts_cruise_enable", "humans_track_enable", "face_detect_enable",
13     "gesture_detect_enable", "pts_calibration"], "subjectId":
14     "lumil.54ef443a120c"}]})
```

Response

Scan

Do passive scan

Do active scan

Send to Intruder Ctrl+I

Send to Repeater Ctrl+R

Send to Sequencer

Send to Comparer

Send to Decoder

Request in browser >

Engagement tools >

Change request method

Change body encoding

Copy URL

Copy as curl command

Copy to file

Test with send

Test curl command on your server



or copy script example and replace your Appid - Token - subjectId - Userid

Configurazione scheda Pila verticale



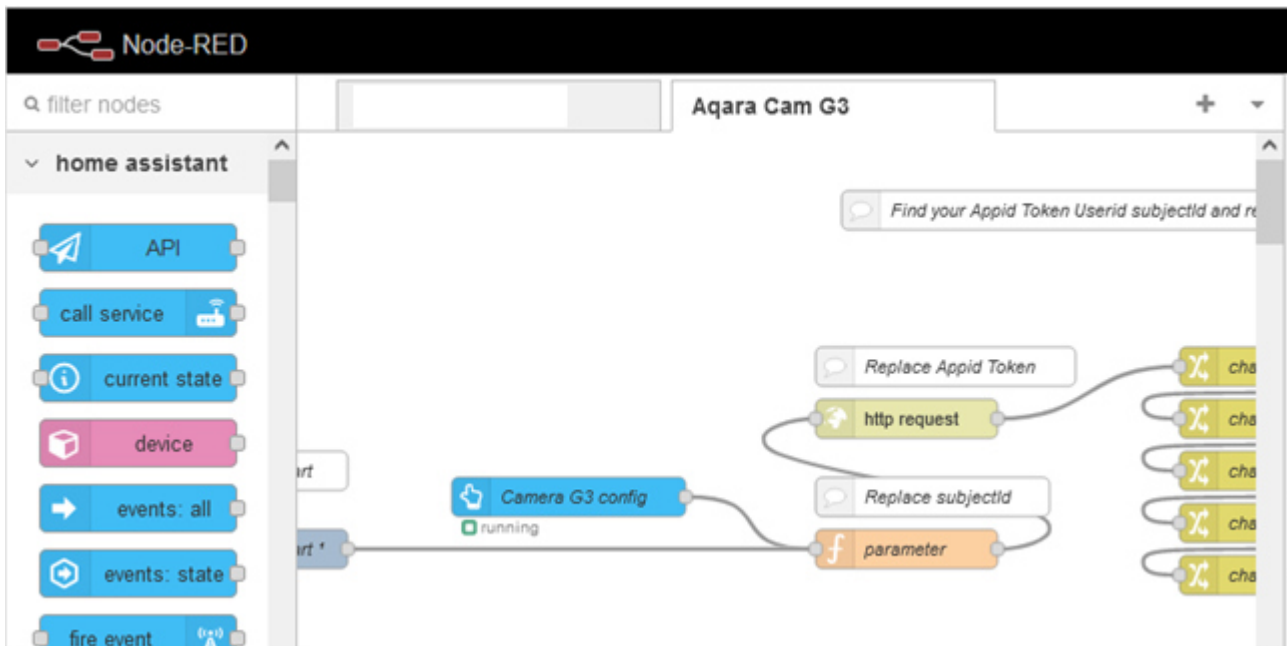
With NodeRed

Requirement:

NodeRed

NodeRed Companion

Import Flow and replace your into nodes Appid - Token - subjectId - Userid



The screenshot shows the Aqara Smart log Autom app interface. The top bar is blue with the title 'AQARA CAM G3' and a search icon. Below the bar, there are several panels:

- Aqara Smart log Autom**: A panel showing a list of logs. The first log entry is for 'Disarma volto Maurizio' with a timestamp of '27/3/2023 17:40:58'. The log details include: Linkagename, Triggerdefinitionid, Triggerdefinitiondesc (Known face detected), Triggersubjectname (Camera Hub G3), Positionname (Casa), Executerresultdesc (success), Triggersubjectmodel (lumi.c), Triggersubjectid (lumi1), Timestamp (1.679.947.539.667), Date (27/3/2023), and Time (17:40:58).
- Camera G3 log**: A panel showing a list of logs. The first log entry is for 'Motion Detection' with a timestamp of '27/3/2023 22:05:39'. The log details include: Resourceid, Subjectid, Value, Timestamp (1.679.947.539.667), Date (27/3/2023), and Time (22:05:39).
- Camera G3 Info**: A panel showing device information. The details include: Devicename (Camera Hub G3), IP (192.168.1.4), MAC, Rssi, Ssid (Telecom), Deviceid, Subdevicecount (0), Scenecount (0), Firmwareversion (3.5.2_0010.0004), Volume (62), Memory sd free (259), and Memory sd size (119.215).
- Camera G3 Face Know**: A panel showing face recognition settings. The settings include: Camera G3 Face Know (Face Know), Mdtrigger enable (true), Face detect enable (true), and Human detect enable (true).
- Camera G3 config**: A panel showing camera configuration. The configuration includes: Camera G3 config (Camera G3 config), Mdtrigger enable (true), Face detect enable (true), and Human detect enable (true).
- Update**: A panel showing the update status. It includes a button for 'Aqara Smart log Autom' and a 'PREMI' button.