Thanks, they is good step by step instructions, however I have stumbled on a few problems:

When running **opkg update** I got the following error:

```
root@Teltonika-RUT955:~# opkg update
Downloading https://downloads.openwrt.org/releases/21.02.0/targets/ath79/generic/packages/Packages.gz
Updated list of available packages in /var/opkg-lists/openwrt_core
Downloading https://downloads.openwrt.org/releases/21.02.0/targets/ath79/generic/packages/Packages.sig
Signature check passed.
Downloading https://downloads.openwrt.org/releases/21.02.0/packages/mips_24kc/base/Packages.gz
Updated list of available packages in /var/opkg-lists/openwrt_base
Downloading https://downloads.openwrt.org/releases/21.02.0/packages/mips_24kc/base/Packages.sig
Signature check passed.
Downloading https://downloads.openwrt.org/releases/21.02.0/packages/mips_24kc/luci/Packages.gz
Updated list of available packages in /var/opkg-lists/openwrt_luci
Downloading https://downloads.openwrt.org/releases/21.02.0/packages/mips_24kc/luci/Packages.sig
Signature check passed.
Downloading https://downloads.openwrt.org/releases/21.02.0/packages/mips_24kc/packages/Packages.gz
Updated list of available packages in /var/opkg-lists/openwrt_packages
Downloading https://downloads.openwrt.org/releases/21.02.0/packages/mips_24kc/packages/Packages.sig
Signature check passed.
Downloading https://downloads.openwrt.org/releases/21.02.0/packages/mips_24kc/routing/Packages.gz
Updated list of available packages in /var/opkg-lists/openwrt_routing
Downloading https://downloads.openwrt.org/releases/21.02.0/packages/mips_24kc/routing/Packages.sig
Signature check passed.
Downloading https://downloads.openwrt.org/releases/21.02.0/packages/mips_24kc/telephony/Packages.gz
Updated list of available packages in /var/opkg-lists/openwrt_telephony
Downloading https://downloads.openwrt.org/releases/21.02.0/packages/mips_24kc/telephony/Packages.sig
Signature check passed.
Downloading https://downloads.openwrt.org/releases/21.02.0/packages/mips_24kc/vuci/Packages.gz
*** Failed to download the package list from https://downloads.openwrt.org/releases/21.02.0/packages/mips_
24kc/vuci/Packages.gz

Downloading http://opkg.teltonika-networks.com/719ff2d08cd8f613b5623dacd0255c047bb8821d15d159847334b15fb3d
6cf21/Packages.gz
Updated list of available packages in /var/opkg-lists/tlt_packages
Downloading http://opkg.teltonika-networks.com/719ff2d08cd8f613b5623dacd0255c047bb8821d15d159847334b15fb3d
6cf21/Packages.sig
Signature check passed.
Collected errors:
 * opkg_download: Failed to download https://downloads.openwrt.org/releases/21.02.0/packages/mips_24kc/vuc
i/Packages.gz, wget returned 8.
root@Teltonika-RUT955:~#
```

And when running the **opkg install mosquitto-client-nossl** I got the following errors

```
root@Teltonika-RUT955:~# opkg install mosquitto-client-nossl
Installing mosquitto-client-nossl (2.0.15-1) to root...
Downloading https://downloads.openwrt.org/releases/21.02.0/packages/mips_24kc/packages/mosquitto-client-no
ssl_2.0.15-1_mips_24kc.ipk
Installing libmosquitto-nossl (2.0.15-1) to root...
Downloading https://downloads.openwrt.org/releases/21.02.0/packages/mips_24kc/packages/libmosquitto-nossl_
2.0.15-1_mips_24kc.ipk
Collected errors:
 * check_data_file_clashes: Package libmosquitto-nossl wants to install file /usr/lib/libmosquitto.so
        But that file is already provided by package  * libmosquitto-ssl
 * check_data_file_clashes: Package libmosquitto-nossl wants to install file /usr/lib/libmosquitto.so.1
        But that file is already provided by package  * libmosquitto-ssl
 * opkg_install_cmd: Cannot install package mosquitto-client-nossl.
root@Teltonika-RUT955:~#
```

my shell script is:

```
root@Teltonika-RUT955: ~                                               —   □   ×
#!/bin/ash
mosquitto_pub -h 219.88.67.253 -p 1883 -u 0045 -P 21clyde -t 0045/reply -m 123 OK
~
~
~
~
~
~
~
~
~
~
-  /etc/burst.sh 1/2 50%
```

then run chmod +x /ect/burst.sh

Then made IO Juggler action called Publish_MQTT

˅ PUBLISH_MQTT

Type	Script
Execution delay	0
Specify path	Specify a path
Script file	/etc/burst.sh
Arguments	-T %ut -i %si

Time stamp - %ts   Product cod
Serial number - %sn   Current FW

The attached action to raising edge of DI2

˅ ISOLATED INPUT (2,7)

Enabled	on
Trigger interval	1
Trigger	Rising
Add actions	Publish_MQTT ✕
Add conditions	No conditions available

I can see the IO Juggler action is being triggered in the system Log when I simulate the raising input.

```
Thu Oct 27 02:45:40 2022 daemon.info iojuggler: Starting up
Thu Oct 27 02:46:16 2022 daemon.info iojuggler: executing action id=1
Thu Oct 27 02:50:15 2022 authpriv.info dropbear[12865]: Child connection from 192.168.1.248:15134
Thu Oct 27 02:50:28 2022 authpriv.warn dropbear[12865]: Bad password attempt for 'root' from 192.168.1.248:15134
Thu Oct 27 02:50:28 2022 kern.notice IP (192.168.1.248) to (192.168.1.23) attempt 1/10.
```

However the publish is not working. Any thoughts on this?

Thank you for your assistance, very much appreciate it.