MQTT Hands-On Cheat Sheet

Code repository:

https://github.com/relayr/ESP8266 Lua - USE 'WORKSHOP-07-07-2016' BRANCH

Toolchain and prerequisites:

- Install the USB to UART driver: http://www.wemos.cc/downloads/
- Install the esptool: https://github.com/themadinventor/esptool ('pip install esptool')
- 3. Build / download the firmware:

 http://nodemcu-build.com/ or

 http://nodemcu-build.com/builds/nodemcu-dev-13-modules-2016-07-07-09-28-02-float.bin (direct link to binary)
- 4. Flash the Wemos with the firmware:

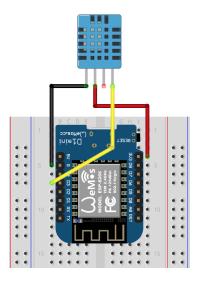
esptool.py --port /dev/ttyUSB0 write_flash -fm dio -fs 32m -ff 40m 0x00000 /path/to/firmware.bin

- 5. Download the Esplorer IDE http://esp8266.ru/esplorer/
- 6. Create a relayr developer account: https://dev.relayr.io/
- 7. Create a model and a device on relayr Dashboard

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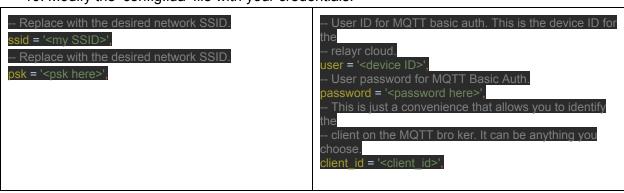
Hardware:

8. Connect the DHT sensor to Wemos.



ESP8266 code:

- Clone / download the ESP8266_Lua repository: https://github.com/relayr/ESP8266_Lua ('WORKSHOP-07-07-2016' BRANCH)
- 10. Modify the 'config.lua' file with your credentials.



- 11. Upload the files to Wemos (8266) flash drive; use Esplorer.
- 12. Run the 'app.lua' file -> dofile('app.lua')