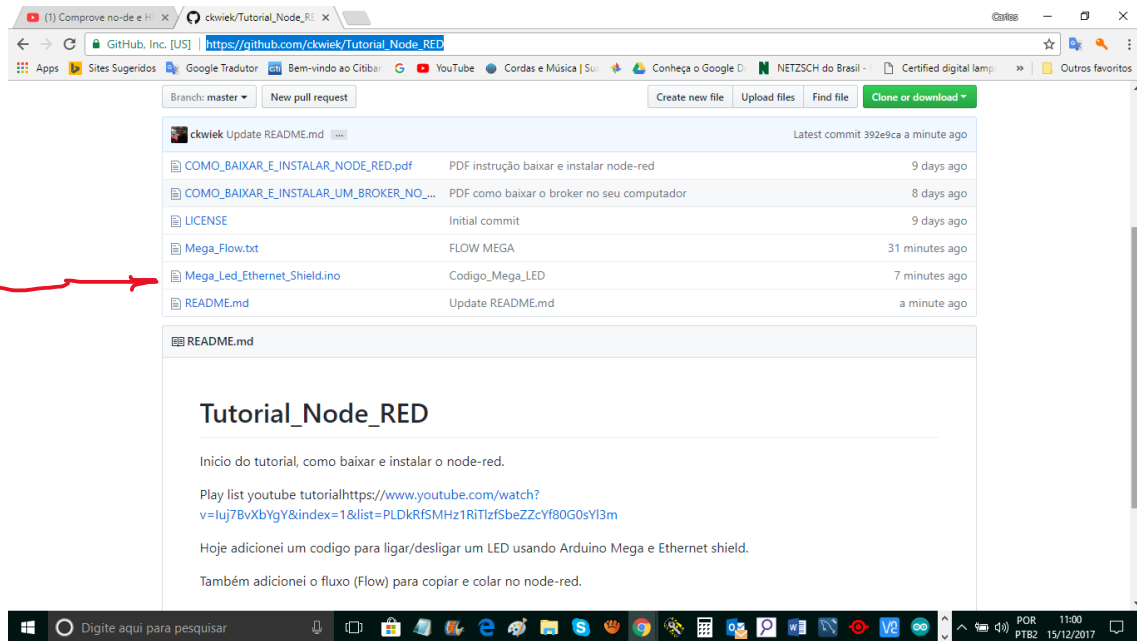# ARDUINO MEGA ETHERNET SHIELD LIGA LED NODE-RED

Copie e cole na sua IDE Arduino o código que está no meu repositório no Github.

https://github.com/ckwiek/Tutorial_Node_RED

Carregue o código na sua placa Arduino Mega e Ethernet Shield.

O seu node-red e o broker HIVEMQ já devem estar sendo executados no seu computador.

Lembre-se minimize não feche as janelas, caso contrario deixam de ser executados.

Continua abaixo.

HIVEMQ


```
HIVEMQ                                                           —  □  ×

  Running with admin rights.


  -----------------------------------------------------------------

  -----------------------------------------------------------------

  HIVEMQ_HOME: "C:\Users\Carlos\Documents\hivemq-3.2.3"

  JAVA_OPTS: -XX:+HeapDumpOnOutOfMemoryError -XX:HeapDumpPath="C:\Users\Carlos\Documents\hivemq-3.2.3"/heap-dump.hprof -
Djava.net.preferIPv4Stack=true -noverify

  -----------------------------------------------------------------

2017-12-15 08:02:11,425 INFO  - Starting HiveMQ Server
2017-12-15 08:02:11,456 INFO  - HiveMQ version: 3.2.3
2017-12-15 08:02:11,472 INFO  - HiveMQ home directory: C:\Users\Carlos\Documents\hivemq-3.2.3
2017-12-15 08:02:11,566 INFO  - Log Configuration was overridden by C:\Users\Carlos\Documents\hivemq-3.2.3\conf\logback.
xml
2017-12-15 08:02:40,937 INFO  - Loaded Plugin HiveMQ JMX Metrics Reporting Plugin - v3.0.0
2017-12-15 08:02:40,937 INFO  - Loaded Plugin HiveMQ JVM Metrics Plugin - v3.1.0
2017-12-15 08:02:40,984 INFO  - JMX Metrics Reporting started.
2017-12-15 08:02:41,031 INFO  - Starting TCP listener on address 0.0.0.0 and port 1883
2017-12-15 08:02:41,265 INFO  - Started TCP Listener on address 0.0.0.0 and on port 1883
2017-12-15 08:02:41,265 INFO  - Started HiveMQ in 29824ms
2017-12-15 08:02:41,265 INFO  - No valid license file found. Using evaluation license, restricted to 25 connections.
2017-12-15 08:03:47,986 INFO  - A new HiveMQ Version (3.3.1) is available. Visit http://www.hivemq.com/ for more details
.
```
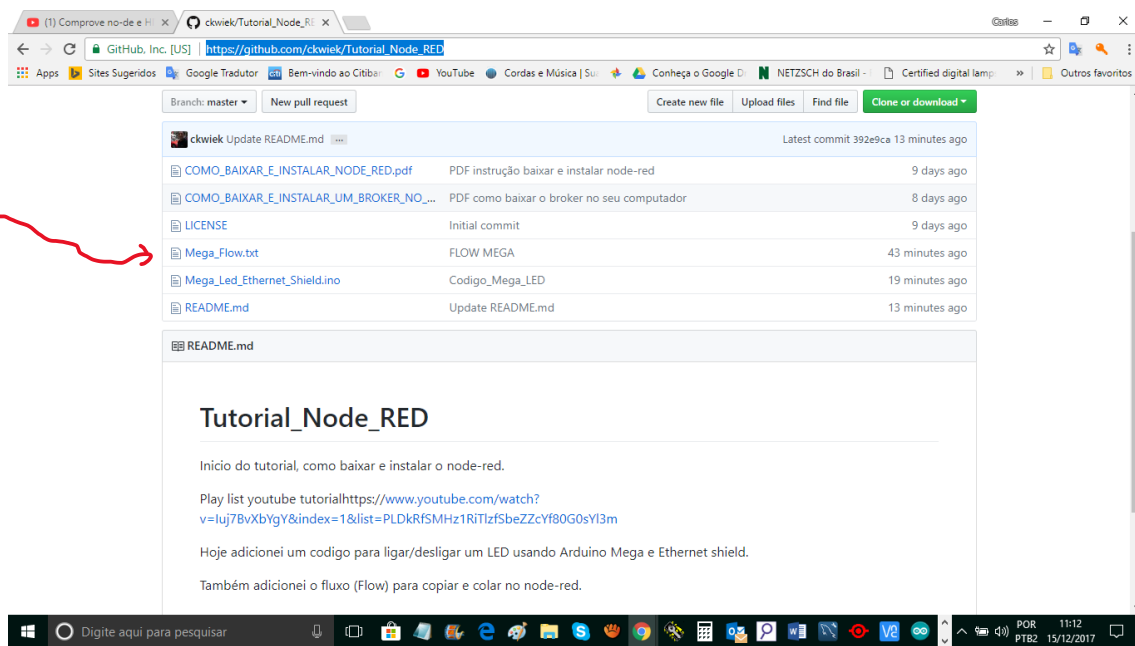
NODE-RED


```
node-red                                                         —  □  ×
15 Dec 10:35:12 - [info] [mqtt-broker:6cd757a.668bfa8] Connected to broker: mqtt://192.168.0.6:1883
15 Dec 10:35:12 - [info] [mqtt-broker:f598718f.477f] Connected to broker: Test@mqtt://192.168.0.6:1883
15 Dec 10:35:12 - [info] [mqtt-broker:55ab0ff.015def] Connected to broker: mqtt://192.168.0.6:1883
15 Dec 10:35:12 - [info] [mqtt-broker:c57c33c6.de944] Connected to broker: mqtt://192.168.0.6:1883
15 Dec 10:35:12 - [info] [mqtt-broker:b1dc0edf.6dec8] Connected to broker: mqtt://192.168.0.6:1883
15 Dec 10:35:12 - [info] [mqtt-broker:fc7b9192.3844d] Connected to broker: mqtt://192.168.0.6:1883
15 Dec 10:35:12 - [info] [mqtt-broker:69141ca.9f2bbe4] Connected to broker: mqtt://192.168.0.6:1883
15 Dec 10:36:18 - [info] Stopping flows
15 Dec 10:36:18 - [info] [mqtt-broker:47dcf20d.cc4c4c] Disconnected from broker: Teste@mqtt://192.168.0.6:1883
15 Dec 10:36:18 - [info] [mqtt-broker:f598718f.477f] Disconnected from broker: Test@mqtt://192.168.0.6:1883
15 Dec 10:36:18 - [info] [mqtt-broker:fc7b9192.3844d] Disconnected from broker: mqtt://192.168.0.6:1883
15 Dec 10:36:18 - [info] [mqtt-broker:b8e90483.60d0b8] Disconnected from broker: mqtt://192.168.0.6:1883
15 Dec 10:36:18 - [info] [mqtt-broker:c57c33c6.de944] Disconnected from broker: mqtt://192.168.0.6:1883
15 Dec 10:36:18 - [info] [mqtt-broker:55ab0ff.015def] Disconnected from broker: mqtt://192.168.0.6:1883
15 Dec 10:36:18 - [info] [mqtt-broker:b1dc0edf.6dec8] Disconnected from broker: mqtt://192.168.0.6:1883
15 Dec 10:36:18 - [info] [mqtt-broker:69141ca.9f2bbe4] Disconnected from broker: mqtt://192.168.0.6:1883
15 Dec 10:36:18 - [info] [mqtt-broker:6cd757a.668bfa8] Disconnected from broker: mqtt://192.168.0.6:1883
15 Dec 10:36:18 - [info] Stopped flows
15 Dec 10:36:18 - [info] Starting flows
15 Dec 10:36:19 - [info] Started flows
15 Dec 10:36:19 - [info] [mqtt-broker:47dcf20d.cc4c4c] Connected to broker: Teste@mqtt://192.168.0.6:1883
15 Dec 10:36:19 - [info] [mqtt-broker:fc7b9192.3844d] Connected to broker: mqtt://192.168.0.6:1883
15 Dec 10:36:19 - [info] [mqtt-broker:f598718f.477f] Connected to broker: Test@mqtt://192.168.0.6:1883
15 Dec 10:36:19 - [info] [mqtt-broker:6cd757a.668bfa8] Connected to broker: mqtt://192.168.0.6:1883
15 Dec 10:36:19 - [info] [mqtt-broker:b8e90483.60d0b8] Connected to broker: mqtt://192.168.0.6:1883
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15 Dec 10:36:19 - [info] [mqtt-broker:55ab0ff.015def] Connected to broker: mqtt://192.168.0.6:1883
15 Dec 10:36:19 - [info] [mqtt-broker:69141ca.9f2bbe4] Connected to broker: mqtt://192.168.0.6:1883
15 Dec 10:36:19 - [info] [mqtt-broker:c57c33c6.de944] Connected to broker: mqtt://192.168.0.6:1883
```
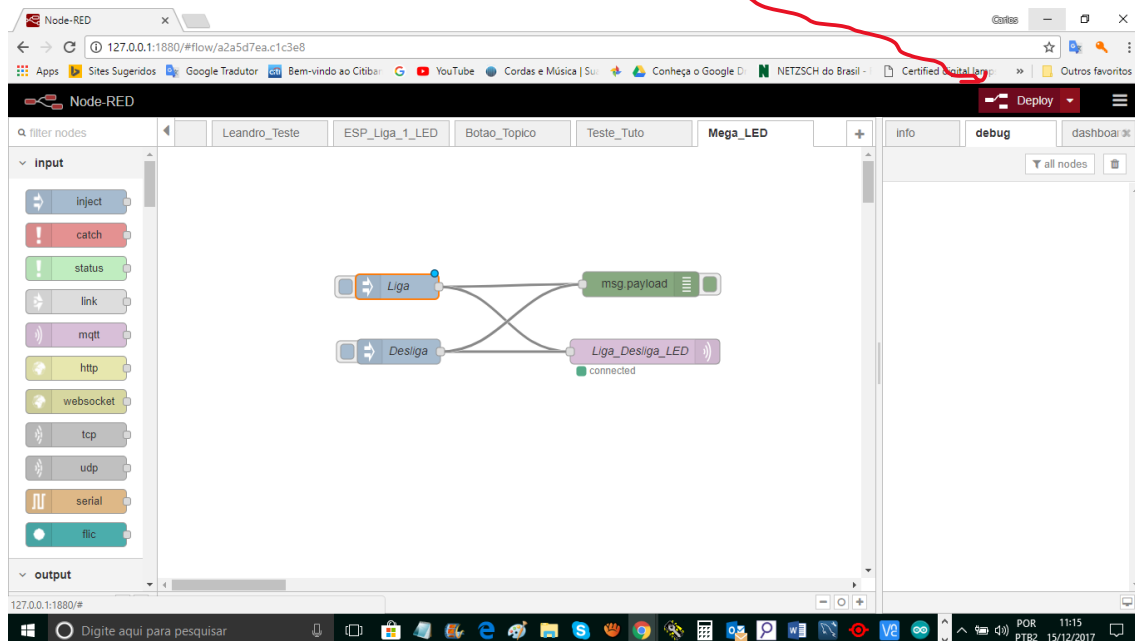
Copie o fluxo (Flow) para node-red e cole na sua Dashboard, se não sabe como fazer assista o vídeo.

Continua abaixo.

Link fluxo node-red no meu Github.

Lembre-se sempre que fizer qualquer alteração no node-red, clique no botão Deploy se estiver vermelho, caso contrario não validara a alteração.

Clicando nos botões Liga e Desliga, o LED na placa ligara ou deligara.

Eng. Carlos kwiek.

contato@carloskwiek.com.br

ESTA PAGINA FOI DEIXADA EM BRANCO PROPOSITALMENTE.