

```
; PlatformIO Project Configuration File
```

```
; Build options: build flags, source filter
```

```
; Upload options: custom upload port, speed and extra flags
```

```
; Library options: dependencies, extra library storages
```

```
; Advanced options: extra scripting
```

```
; Please visit documentation for the other options and examples
```

```
; https://docs.platformio.org/page/projectconf.html
```

```
[platformio]
```

```
src_dir = src
```

```
data_dir = datazip
```

```
; default_envs = esp32
```

```
[env:nodemcu2]
```

```
platform = espressif8266@^4
```

```
board = nodemcu2
```

```
framework = arduino
```

```
lib_deps =
```

```
  bblanchon/ArduinoJson
```

```
  ; mcxiaoke/ESPDateTime
```

```
  links2004/WebSockets
```

```
  knolleary/PubSubClient
```

```
  me-no-dev/ESPAsyncTCP
```

```
  ; khoih-prog/ESP_WifiManager@^1.12.1
```

```
  tzapu/WifiManager
```

```
  plerup/EspSoftwareSerial
```

```
  milesburton/DallasTemperature
```

```
board_build.filesystem = littlefs
```

```
extra_scripts = gzip_littlefs.py
```

```
monitor_speed = 115200
```

```
board_build.f_cpu = 16000000L
```

```
; board_build.f_flash = 80000000L;
```

```
upload_speed = 921600
build_flags =
-DWEBSOCKETS_NETWORK_TYPE="NETWORK_ESP8266_ASYNC"
-DWEBSOCKETS_SAVE_RAM
; -DDEBUG_ESP_PORT=Serial
; -D BUILDTIME=$UNIX_TIME
; -DDEBUG_ESP_SSL
; -DDEBUG_ESP_TLS_MEM
; -DDEBUG_ESPHTTP_CLIENT
; -DDEBUG_ESP_HTTP_UPDATE
; -DDEBUG_ESP_OOM
; -DDEBUG_ESP_MMU
; -include "umm_malloc/umm_malloc_cfg.h"
; -DPIO_FRAMEWORK_ARDUINO_MMU_CACHE16_IRAM48
-D PIO_FRAMEWORK_ARDUINO_MMU_CACHE16_IRAM48_SECHEAP_SHARED
; -D PIO_FRAMEWORK_ARDUINO_MMU_CACHE16_IRAM32_SECHEAP_NOTSHARED
; -D PIO_FRAMEWORK_ARDUINO_MMU_CUSTOM
; -D MMU_IRAM_SIZE=0xC000
; -D MMU_ICACHE_SIZE=0x4000
; -D MMU_IRAM_HEAP
-DVTABLES_IN_FLASH
; -DPIO_FRAMEWORK_ARDUINO_LWIP2_HIGHER_BANDWIDTH
; -D PIO_FRAMEWORK_ARDUINO_LWIP2_LOW_MEMORY
; -D BEARSSL_SSL_BASIC
; build_type = debug
; debug_build_flags = -Og -g2 -ggdb2
monitor_filters =
  esp8266_exception_decoder
  default
  ; log2file
; upload_protocol = esptool
upload_protocol = espota
upload_port = 192.168.2.59
upload_flags =
```

```
--auth=esp8266
```

```
[env:esp32]
platform = espressif32
board = esp32doit-devkit-v1
framework = arduino
board_build.filesystem = littlefs
upload_speed = 921600
monitor_speed = 115200
lib_deps =
  bblanchon/ArduinoJson @ ^6.20.0
  mcxiaoke/ESPDateTime @ ^1.0.4
  links2004/WebSockets @ ^2.3.7
  knolleary/PubSubClient @ ^2.8
  me-no-dev/ESPAsyncTCP @ ^1.2.2
  khoih-prog/ESP_WifiManager@^1.12.1
  plerup/EspSoftwareSerial@^7.0.0
upload_protocol = esptool
upload_protocol = espota
upload_port = layzspa.local
upload_flags =
  --auth=esp8266
```

Task wird ausgeführt: platformio run

Processing nodemcu2 (platform: espressif8266@^4; board: nodemcu2; framework: arduino)

-----  
Verbose mode can be enabled via ` -v, --verbose` option

CONFIGURATION: <https://docs.platformio.org/page/boards/espressif8266/nodemcu2.html>

PLATFORM: Espressif 8266 (4.2.1) > NodeMCU 1.0 (ESP-12E Module)

HARDWARE: ESP8266 160MHz, 80KB RAM, 4MB Flash

PACKAGES:

- framework-arduinoespressif8266 @ 3.30102.0 (3.1.2)

- tool-esptool @ 1.413.0 (4.13)

- tool-esptoolpy @ 1.30000.201119 (3.0.0)

- toolchain-xtensa @ 2.100300.220621 (10.3.0)

LDF: Library Dependency Finder -> <https://bit.ly/configure-pio-ldf>

LDF Modes: Finder ~ chain, Compatibility ~ soft

```

Found 48 compatible libraries
Scanning dependencies...
Dependency Graph
|-- ArduinoJson @ 6.21.3
|-- WebSockets @ 2.4.1
|-- PubSubClient @ 2.8.0
|-- ESPAsyncTCP @ 1.2.2
|-- WiFiManager @ 0.16.0
|-- EspSoftwareSerial @ 8.1.0
|-- DallasTemperature @ 3.11.0
|-- BWC_unified
|-- ArduinoOTA @ 1.0
|-- DNSServer @ 1.1.1
|-- ESP8266HTTPClient @ 1.2
|-- ESP8266WebServer @ 1.0
|-- ESP8266WiFi @ 1.0
|-- ESP8266httpUpdate @ 1.3
|-- LittleFS @ 0.1.0
|-- OneWire @ 2.3.7
|-- Ticker @ 1.0
Building in release mode
Retrieving maximum program size .pio/build/nodemcu2/firmware.elf
Checking size .pio/build/nodemcu2/firmware.elf
Advanced Memory Usage is available via "PlatformIO Home > Project Inspect"
RAM: [===== ] 49.6% (used 40644 bytes from 81920 bytes)
Flash: [===== ] 53.2% (used 556111 bytes from 1044464 bytes)
===== [SUCCESS] Took 3.97 seconds
=====
* Das Terminal wird von Aufgaben wiederverwendet, drücken Sie zum Schließen eine beliebige Taste.

```

Task wird ausgeführt: platformio run --target upload

Processing nodemcu2 (platform: espressif8266@^4; board: nodemcu2; framework: arduino)

```

-----
Verbose mode can be enabled via `-v, --verbose` option
CONFIGURATION: https://docs.platformio.org/page/boards/espressif8266/nodemcu2.html
PLATFORM: Espressif 8266 (4.2.1) > NodeMCU 1.0 (ESP-12E Module)
HARDWARE: ESP8266 160MHz, 80KB RAM, 4MB Flash
PACKAGES:
- framework-arduinoespressif8266 @ 3.30102.0 (3.1.2)
- tool-esptool @ 1.413.0 (4.13)
- tool-esptoolpy @ 1.30000.201119 (3.0.0)
- tool-mklittlefs @ 1.203.210628 (2.3)
- tool-mkspiffs @ 1.200.0 (2.0)
- toolchain-xtensa @ 2.100300.220621 (10.3.0)
LDF: Library Dependency Finder -> https://bit.ly/configure-pio-ldf
LDF Modes: Finder ~ chain, Compatibility ~ soft
Found 48 compatible libraries
Scanning dependencies...
Dependency Graph
|-- ArduinoJson @ 6.21.3
|-- WebSockets @ 2.4.1
|-- PubSubClient @ 2.8.0
|-- ESPAsyncTCP @ 1.2.2

```

```
|-- WiFiManager @ 0.16.0
|-- EspSoftwareSerial @ 8.1.0
|-- DallasTemperature @ 3.11.0
|-- BWC_unified
|-- ArduinoOTA @ 1.0
|-- DNSServer @ 1.1.1
|-- ESP8266HTTPClient @ 1.2
|-- ESP8266WebServer @ 1.0
|-- ESP8266WiFi @ 1.0
|-- ESP8266httpUpdate @ 1.3
|-- LittleFS @ 0.1.0
|-- OneWire @ 2.3.7
|-- Ticker @ 1.0
Building in release mode
Retrieving maximum program size .pio/build/nodemcu2/firmware.elf
Checking size .pio/build/nodemcu2/firmware.elf
Advanced Memory Usage is available via "PlatformIO Home > Project Inspect"
RAM: [===== ] 49.6% (used 40644 bytes from 81920 bytes)
Flash: [===== ] 53.2% (used 556111 bytes from 1044464 bytes)
Configuring upload protocol...
AVAILABLE: espota, esptool
CURRENT: upload_protocol = esptool
Looking for upload port...
Auto-detected: /dev/cu.Bluetooth-Incoming-Port
Uploading .pio/build/nodemcu2/firmware.bin
esptool.py v3.0
Serial port /dev/cu.Bluetooth-Incoming-Port
Connecting.....
```

A fatal error occurred: Failed to connect to ESP8266: Timed out waiting for packet header  
\*\*\* [upload] Error 2

```
===== [FAILED] Took 30.39 seconds
=====
```

- \* Der Terminalprozess "platformio 'run', '--target', 'upload'" wurde mit folgendem Exitcode beendet: 1.
- \* Das Terminal wird von Aufgaben wiederverwendet, drücken Sie zum Schließen eine beliebige Taste.