
lwHAL Documentation

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Contents

1	light-weight Hardware Abstraction Layer - lWHAL	3
2	Target ports	4
2.1	STM32F4xx	4
3	lWHAL license information	5

1 light-weight Hardware Abstraction Layer - lwHAL

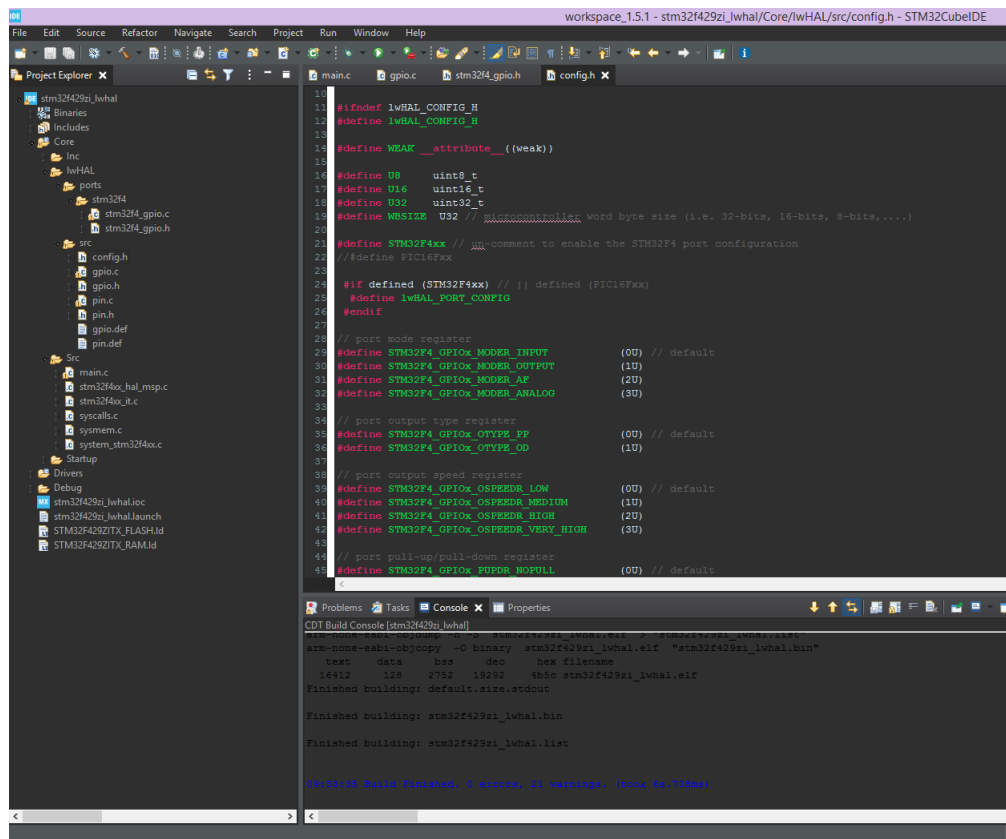
2 Target ports

2.1 STM32F4xx

We tested the lwhAL on the STM NUCLEO-F429ZI development board. The test consists in turning the red LED on and then toggling at every second the green LED on the board.

We initialized a new project for the NUCLEO-F429ZI from the STM IDE, setting with default configuration. Then we added the lwhAL folder inside the `/Core`, as shown in figure 2.1. The `#define STM32F4xx` must be uncommented in the `src/config.h`. Make sure to include the path to the lwhAL folder inside the IDE.

Copy the code snippets from the `ports/stm32f4/stm32f4_test.c` into the `main.c`. Compile and run the binary on the board. You will see the red LED turning on and the green LED blinking at a frequency of 1 Hz.



3 lwHAL license information

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