BL602 SDK overview

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Most important directories of the SDK

components: 3rdparty: Third party components (e. g. CoAP library and Schmalkalden University drivers library)

audio: Audio-related code

bl602: Platform specific code, e g. drivers for Bluetooth and WiFi, the FreeRTOS port for BL602 and the C library

freertos: Code of the FreeRTOS operating system

fs: Implementations of different filesystems

hal_drv: Hardware abstraction layers

network: Networking drivers, e. g. *lwIP* and platform-specific implementations of networking tools (e. g. `ping`) and protocols

security: *mbedTLS* cryptographic library

stage: Low-level libraries, logging, firmware

sys: BouffaloLabs libraries for logging, timing, etc.

utils: Implementations of different utility functions (hash functions and data structures)

customer_app:
- All apps are developed in this directory
- Put your project code here
- Contains already demo and tutorials code reusable for many use cases

docs: Hardware documentation and reference manuals

image_conf, make_scripts_riscv, toolchain: Tools used to build the application

tools: Helper tools, e. g. for debugging purposes

General application directory structure

genromap: Script to be called to build the application

Makefile:
- Called by `genromap`
- Sets application platform and defines the application
- Lists components from the SDK to include → you must update this list if you want to include a library in your program (also if this library is a part of the SDK)
- Includes project configuration

proj_config.mk: Sets WiFI/Bluetooth/file system and other settings

bouffalo.mk: empty file needed to make the application's source code visible to the compiler

`*.c` and `*.h`: Application source code