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1. nRF52840 Zephyr BLE client

Usually, the BLE client role plays some user device eg. mobile phone, tablet or computer. In IoT systems sometimes BLE is used for M2M (machine-to-machine) data transmission. In such a situation an automatic BLE client must be implemented to connect to the peripherals and read the data eg. coming from BLE-capable sensors. BLE client must be configured to connect to the peripheral which exposes some specific service and characteristic. To do the lab exercise there is a need to create the peripheral device first.

1.1. BLE Health Temperature peripheral

The default Health Temperature example is sufficient to make the laboratory. How to import the project, flash, and execute is shown in nrf52zephyrbleperipheral.

1.2. BLE central

Among the examples provided with Zephyr OS, there is also one complementary to the Health Temperature peripheral. It is named central_ht [1)].

1)
..\.platformio\packages\framework-zephyr\samples\bluetooth\central_ht

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Last update: **2023/12/19 21:24**