Program Documentation

ble\_beacon

Schule der ansprechenden Künste

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[1.1 Work on advertising\_init() 2](#_Toc20584903)

[1.1.1 Barebone 2](#_Toc20584904)

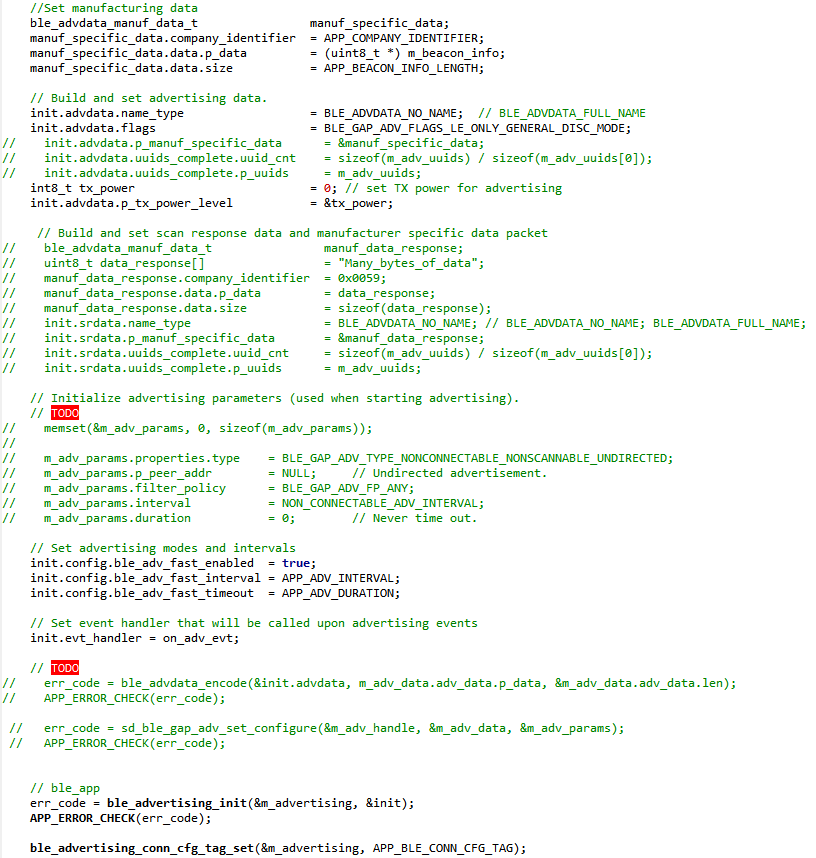
[1.1.2 Adding uuids in advdata 3](#_Toc20584905)

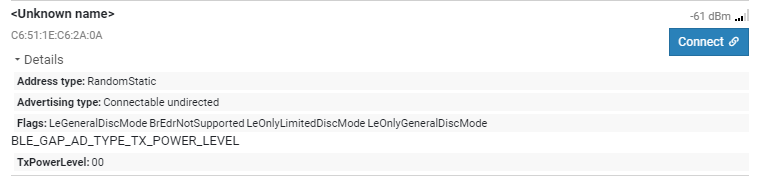
# Chapter 1

In the first chapter …

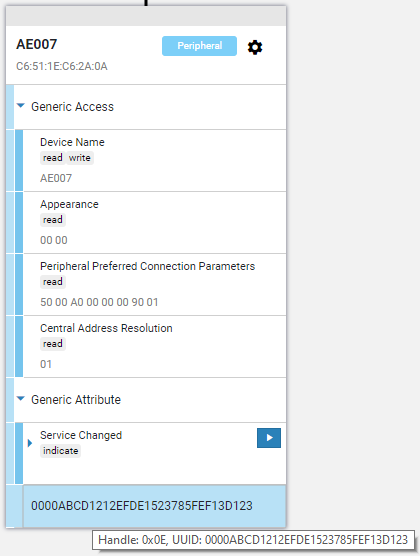
## Work on advertising\_init()

### Bare, almost nothing





Connect:



### Adding uuids in advdata



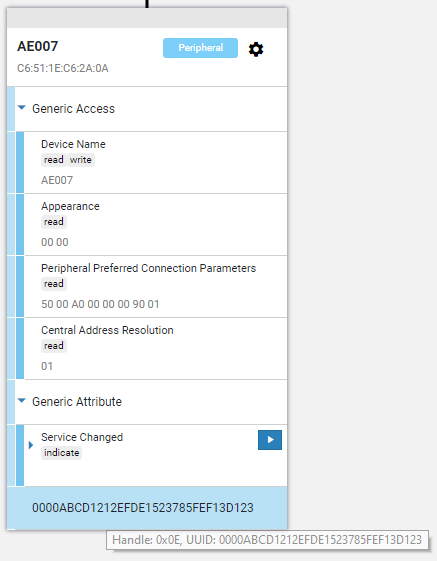
With



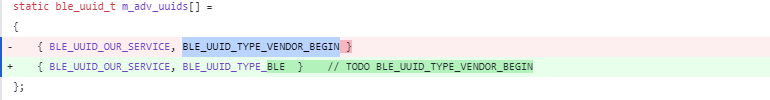




Connect:



### Adding short UUIDs in advdata



Gives



### Advdata packet

The array m\_advertising.enc\_advdata contains:

Flags 0..2 02 01 06

TX Power Level 3..5 02 0A 00

UUIDs 6..9 03 03 CD AB // short UUID „ABCD“

Manuf. Spec. Data 10 13 // length

11 FF // BLE\_GAP\_AD\_TYPE\_MANUFACTURER\_SPECIFIC\_DATA

12..13 59 00 // Company Identifier

14..17 00 07 00 08 // MAJ MIN

18..19 FE FE // Temperature

20..21 FD FD // Humidity

22..23 AA AA // X

24..25 BB BB // Y

26..27 CC CC // Z

28..29 0B B8 // Battery

30 00 // ?



