MSP430 Provided Libraries

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1.   Core Libraries

This release contains several different versions of the Core stack library that are compiled for different use cases. The directory layout is show below:

- Bluetopia\lib
    - o   CCS\ - CCS Core libraries (see 1.1)
        - DefaultMTU   CCS libraries with default maximum MTU of 335 bytes.
        - LargeMTU   CCS libraries with default maximum MTU of 800 bytes.
    - o   IAR\ - IAR Core libraries (see 1.1)
        - DefaultMTU   IAR libraries with default maximum MTU of 335 bytes.
        - LargeMTU   IAR libraries with default maximum MTU of 800 bytes.

1.1   Core Libraries

For each of the supported compilers and MTU configurations, CCS and IAR, core libraries are provided with and without LE support. These are as follows:

- libBluetopia   Fully featured core library without LE. Supports SPP (server and client roles) and SDP (server and client roles).
- libBluetopia_LE   Fully featured core library with LE. Supports SPP (server and client roles), SDP (server and client roles), and LE (master and slave roles).
- libBluetopia_SCO   Fully featured core library without LE but with SCO support. Supports SPP (server and client roles), SDP (server and client roles) and SCO.

2.   GATT Libraries

For each of the supported compilers there are two versions of the GATT library that are provided with this release. The directory layout is show below:

- Bluetopia\profiles\GATT\lib
    - o   CCS\ CCS GATT library (see 2.1)
    - o   IAR\   IAR GATT library (see 2.1)
    - o   Server\
        - ▪   CCS CCS GATT server library (see 2.2)
        - ▪   IAR   IAR GATT server library (see 2.2)

2.1   GATT Library

For each of the supported compilers a fully featured version of the GATT library is provided. This library supports both the GATT server and client roles.

2.2   GATT Server Library

For each of the supported compilers a version of the GATT library that supports only the GATT server role has been provided. This was generated using the FBL with the command line options described in Section 1.2.

3. Audio Libraries

For each of the supported compilers there are several versions of the A3DP + AVRCP library that are provided with this release. The directory layout is show below:

- Bluetopia\profiles\A3DP\lib
    - o   CCS\ CCS A3DP + AVRCP libraries (see 3.1)
    - o   IAR\   IAR A3DP + AVRCP library (see 3.1)

3.1 A3DP + AVRCP Libraries

For each of the supported compilers several versions of the libraries are provided with A3DP and AVRCP support. The provided libraries are described below:

- libSS1BTA3D_TC.a   A3DP support plus both AVRCP Controller and Target roles supported.
- libSS1BTA3D_T.a   A3DP support plus AVRCP Target role only supported.
- libSS1BTA3D_C.a   A3DP support plus AVRCP Controller role only supported.