2 Getting Started with Software Development

This section gives a detailed information on the steps to install IDE, compiler, tool chain, BLE, Zigbee stacks and application examples on the PC.

Prior to each release, the wireless stack and application examples are thoroughly tested against a snapshot of tool versions and other software dependencies. This guide provides information on setting up the development environment with all the required dependency versions and provide detailed steps to fulfill all the dependencies.

If the user is already familiar with Microchip Tools, then the following table summarizes the dependencies.

Tools and Harmony Component Versions

Table 2-1. Tool Chain

IDE, Compiler and MCC plugin	Version	Location
MPLAB X IDE	6.15 or above	Web
XC32 Compiler	v4.35or above	Web
Microchip Code Configurator(MCC)	5.3.7 or above	MPLAB X IDE > Tools >Plugins

Table 2-2 2-3. Harmony Components

Harmony components to be cloned with MCC Content Manager	Version
csp	3.18.0
core	3.13.0
dev_packs	3.17.0
bsp	3.17.0
CMSIS-FreeRTOS	10.3.1
crypto	3.8.0
wolfssl	4.8.1
Zlib	1.2.13
wireless_ble	1.1.0
wireless_system_pic32cxbz_wbz	1.3.0
wireless_apps_pic32cxbz2_wbz45	3.0.0