Developer resources - alternative OS overview

This document intends to give an overview on some ways to get started with other API and frameworks to implement Bluetooth®[1] communication on dedicated operating systems.

Overview

Windows

Sylvac communication DLL
- written in C
- can be used with Java, C#, etc.
- compatible on WIN10 if integrated wireless card is used as master peripheral
- compatible on WIN7/8/10 if BLED112 dongle is used as master peripheral
- see according download section on Sylvac website

Microsoft API
- https://docs.microsoft.com/en-us/uwp/api/windows.devices.bluetooth

Android

- https://punchthrough.com/android-ble-guide/

Linux

NodeJS
- https://github.com/noble/noble

iOS

iOS native (Swift)

Official documentation
- https://developer.apple.com/library/archive/documentation/NetworkingInternetWeb/Conceptual/CoreBluetooth_concepts/AboutCoreBluetooth/Introduction.html#//apple_ref/doc/uid/TP40013257

Complete tutorial
- https://www.raywenderlich.com/231-core-bluetooth-tutorial-for-ios-heart-rate-monitor

Mac OS
See iOS.

Ionic Cordova

Multiplatform framework

Official documentation
-       https://ionicframework.com/docs/native/ble

Example
-       https://github.com/don/cordova-plugin-ble-central/tree/master/examples

Xamarin

Multiplatform framework

Package NuGet Xamarin (Plugin.BluetoothLE)
-       https://github.com/aritchie/bluetoothle

Note: no specific support by Sylvac on these information (except Sylvac communication DLL)