Misfit Cloud API v2 Wrapper for iOS

日期Date	版本Version	作者Author	说明description
2015-08-20	v0.1	chandler@misfit.com	
2015-08-25	v0.5	chandler@misfit.com	修改了获取数据的接口, Range为自动识别的当前周.
2015-11-02	v0.5.3	chandler@misfit.com	增加属性支持直接访问和设置appId, appSecret, token

准备工作Preparation

Contact从Misfit获取to get API Key,和Secret以及and SDK

目前请联系chandler@misfit.com 获取to get对应的key和and secret.

配置Configure BundleURLSchemes

Add the settings below to your app's plist, make sure that the API key is the key you used when calling the enable API.

添加下面的内容到你的应用的plist, 其中的API key需要与调用API enable时使用的一致.

```
<key>CFBundleURLTypes</key>
<array>
<dict>
<key>CFBundleURLName</key>
<string></string>
<key>CFBundleURLSchemes</key>
<array>
<string>mfc-<api key></string>
</array>
</dict>
</array>
```

引用SDK到项目中

Please add the CoreBluetooth.framework and MisfitLinkSDK.framework to the Link Binary With Libraries section of your project's Build Phases settings, and add "-ObjC" to Other Linker Flags.

请在Xcode6的项目Build Phases的Link Binary With Libraries处添加CoreBluetooth.framework和MisfitLinkSDK.framework, 并在Build Settings的Other Linker Flags处添加-ObjC

iOS 9 兼容Compatibility

在iOS 9 下, 请将以下内容添加到项目对应的plist的设置中

```
<key>LSApplicationQueriesSchemes</key>
<array>
  <string>shine</string>
  <string>shine-internal</string>
</array>
```

其中, shine-internal 是针对测试环境的. 生产环境的可以将其拿掉.

基本对象Basic Objects/Concepts

MFCSession

单例模式对象，集中管理当前用户的配置，状态和功能入口。

Singleton object, store and manage the user's settings, status and function entry.

```
typedef void (^MFCCompletion) (NSDictionary * data, MFCError * error);
typedef enum {
    MFCQuerySummaryRangeWeek,
    MFCQuerySummaryRangeMonth,
} MFCQuerySummaryRange;
@interface MFCSession : NSObject
@property (nonatomic, readonly) BOOL isConnected;
@property (nonatomic, copy) NSString* token;
@property (nonatomic, copy) NSString* appId;
@property (nonatomic, copy) NSString* appSecret;

+ (MFCSession *) sharedInstance;
- (BOOL) handleOpenURL:(NSURL *) url;
- (BOOL) canHandleOpenUrl:(NSURL *) url;
- (void) handleDidBecomeActive;
- (void) connectWithAppId:(NSString *) appId appSecret:(NSString *) appSecret responseType:(NSStrin
- (void) disconnectWithCompletion:(MFCCompletion) completion;
- (BOOL) isMisfitAppInstalled;
- (void) getProfileWithCompletion:(MFCCompletion) completion;
- (void) getProfileStatisticsWithCompletion:(MFCCompletion) completion;
- (void) getSettingWithCompletion:(MFCCompletion) completion;
- (void) getDeviceWithCompletion:(MFCCompletion) completion;
- (void) getActivitySummaryWithCompletionByDate:(NSDate *)date range:(MFCQuerySummaryRange)range co
- (void) getActivityDetailWithCompletionByDate:(NSDate *)date completion:(MFCCompletion) completion
- (void) getActivityGraphWithCompletionByDate:(NSDate *)date completion:(MFCCompletion) completion;
- (void) getSleepSummaryWithCompletionByDate:(NSDate *)date range:(MFCQuerySummaryRange)range compl
- (void) getSleepDetailWithCompletionByDate:(NSDate *)date completion:(MFCCompletion) completion;
- (void) getWeightSummaryWithCompletionByDate:(NSDate *)date range:(MFCQuerySummaryRange)range comp
```

示例代码Sample Code:

1. 修改 AppDelegate

```
@implementation AppDelegate


#pragma mark - handle application did become active
- (void)applicationDidBecomeActive:(UIApplication *)application {
    [[MFCSession sharedInstance] handleDidBecomeActive];
}

#handle openURL
- (BOOL)application:(UIApplication *)application openURL:(NSURL *)url sourceApplication:(NSString *
         annotation:(id)annotation
{
    BOOL canHandle = NO;
    if ([[MFCSession sharedInstance] canHandleOpenUrl:url])
    {
        canHandle = [[MFCSession sharedInstance] handleOpenURL:url];
    }
    //other logic
    return canHandle;
}
```

2.在需要用户绑定Misfit账号的地方调用: Connect to Misfit:

```
[[MFCSession sharedInstance] connectWithAppId:@"yourAppId" appSecret:@"yourAppSecret"
completion:^(NSDictionary * data, MFCError* error)
{
    if (error)
    {
        //handle error.
        return;
    }
    NSString * token = [data objectForKey:@"access_token"];
    // do whatever you want.
}];
```

3. 检查Misfit是否已连接；Check Whether The User Is Connected to Misfit or not

```
BOOL isConnected = [MFCSession sharedInstance].isConnected
```

4. 检查Misfit是否已安装；Check Whether Misfit App Is Installed or not

```
BOOL isMisfitAppInstalled = [[MFCSession sharedInstance] isMisfitAppInstalled]
```

5. 获取数据；Get Resource

```
[[MFCSession sharedInstance] getActivitySummaryWithCompletionByDate:[NSDate date] range:MFCQuerySum
{
    if (error)
    {
        //handle error.
        return;
    }
    NSArray * activitySummary = [data objectForKey:@"activity_summary"];
    for (NSDictionary * item in activitySummary)
    {
         // do whatever you want.
         /*
         {
            "date": "2013-11-05",
            "points": 394.4,
            "steps": 3650,
            "calories": 1687.4735,
            "activity_goal": 412.3124,
            "distance": 1.18
         }
         */
    }
}];
```