

Misfit Cloud API 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	v0.8	chandler@misfit.com	修改了获取数据的接口, Range为自动识别的当前周.

- 准备工作Preparation
 - 从Misfit获取API Key和Secret以及SDK
 - 配置BundleURLSchemes
 - 引用SDK到项目中
- 基本对象Basic Objects/Concepts
 - MFCSession
- 示例代码Sample Code:
 - 1. 修改 AppDelegate
 - 2. 在需要用户绑定Misfit账号的地方调用: (Connect to Misfit):
 - 3. 检查Misfit是否已连接; Check Whether The User Is Connected to Misfit or not
 - 4. 检查Misfit是否已安装; Check Whether Misfit App Is Installed or not
 - 5. 获取数据; Get Resource

准备工作Preparation

从Misfit获取API Key和Secret以及SDK

如: API Key:test, API Secret:uLJkp51haavnHdxGI3xjpEFCx5VrDy2j

目前的测试SDK请联系chandler@misfit.com获取对应的key和secret.

配置BundleURLSchemes

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

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

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, MFSError * error);
typedef enum {
    MFCQuerySummaryRangeWeek,
    MFCQuerySummaryRangeMonth,
} MFCQuerySummaryRange;
@interface MFCSession : NSObject
@property (nonatomic, readonly) BOOL isConnected;
+ (MFCSession *) sharedInstance;
- (BOOL) handleOpenURL:(NSURL *) url;
- (BOOL) canHandleOpenUrl:(NSURL *) url;
- (void) handleDidBecomeActive;
- (void) connectWithAppId:(NSString *) appId appSecret:(NSString *) appSecret response;
- (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 completion:(MFCCompletion)completion;
- (void) getActivityDetailWithCompletionByDate:(NSDate *)date completion:(MFCCompletion)completion;
- (void) getSleepSummaryWithCompletionByDate:(NSDate *)date range:(MFCQuerySummaryRange)range completion:(MFCCompletion)completion;
- (void) getSleepDetailWithCompletionByDate:(NSDate *)date completion:(MFCCompletion)completion;
- (void) getWeightSummaryWithCompletionByDate:(NSDate *)date range:(MFCQuerySummaryRange)range completion:(MFCCompletion)completion;
```

示例代码Sample Code:

1. 修改 AppDelegate

```
@implementation AppDelegate

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

#pragma mark - handle openURL
- (BOOL)application:(UIApplication *)application openURL:(NSURL *)url sourceApplication:(NSString *)sourceApplication 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, MFSError* 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]
{
    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
    }
    */
}
}];
```