

OEMSDK 接入文档

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一、SDK结构

1、SDK目录结构，提供framework，源码库，以及可运行demo

```
.
├── OEMPods_Framework
│   ├── Framework
│   ├── MSecretSDK.framework
│   ├── MSmartSDK.framework
│   ├── MSmartSDK.podspec
│   ├── OEMBluetooth.podspec
│   ├── OEMBusiness.podspec
│   ├── OEMFoundation.podspec
│   ├── ToBBaseSDK.framework
│   └── ToBBaseSDK.podspec
├── OEMPods_Source
│   ├── AWSSDK
│   ├── Dolphinrouter
│   ├── OEMBluetooth
│   ├── OEMEnvirement
│   ├── OEMLogger
│   ├── OEMLogin
│   └── OEMMessageCenter
├── OEMSDKDemo
│   ├── Gemfile
│   ├── OEMSDKDemo
│   ├── OEMSDKDemo.xcodeproj
│   ├── OEMSDKDemo.xcworkspace
│   ├── OEMSDKDemoTests
│   ├── OEMSDKDemoUITests
│   ├── Podfile
│   ├── Podfile.lock
│   └── Pods
├── README.md
├── syncJobs.sh
└── syncWeexSDK.sh
```

2、demo项目中podfile文件展示，将SDK放到项目根目录，指定相关路径即可

```
pod 'OEMFoundation/NetworkFramework', :path => '../OEMPods_Framework'
pod 'OEMBusiness/NetworkFramework', :path => '../OEMPods_Framework'
pod 'MSMessageCenter/Service', :path => '../OEMPods_Source/OEMMessageCenter'
pod 'MSMessageCenter/OEMMqttService', :path => '../OEMPods_Source/OEMMessageCenter'
pod 'MSLogin/Service/Repository', :path => '../OEMPods_Source/OEMLogin'
pod 'MSLogin/Service/Model', :path => '../OEMPods_Source/OEMLogin'
pod 'MSLogin/Service/Tools', :path => '../OEMPods_Source/OEMLogin'
pod 'OEMBluetooth/Service/OEMDeviceManager', :path => '../OEMPods_Source/OEMBluetooth'
pod 'DolphinRouter', :path => '../OEMPods_Source/Dolphinrouter'
pod 'OEMLogger', :path => '../OEMPods_Source/OEMLogger'
pod 'OEMEnvirement', :path => '../OEMPods_Source/OEMEnvirement'
pod 'AWSIoT', :path => '../OEMPods_Source/AWSSDK'
pod 'AWSCore', :path => '../OEMPods_Source/AWSSDK'
pod 'MSmartSDK', :path => '../OEMPods_Framework'

#
pod 'FMDB', '~> 2.7.5'
```

二、SDK初始化

1、初始化SDK，设置相关参数

```
OEMSDKConfig * config = [OEMSDKConfig new];
config.domain = OEMDomain;
config.appID = @"1020";
config.appSecret = @"SIT_4VjZdg19laDoIrut";
config.enableFileLog = YES;
config.enableConsoleLog = YES;
[OEMBaseSDK initWithConfig:config];

NSString * clientId = @"8990073d748a1315c2ccdf47350d11f2";
NSString * clientSecret = @"3f00bbf2262e748556ea76e70a295b5e";
NSString * host = OEMDomain;
[BaseService setEnableConsoleLog:YES];
[BaseService initServiceWithClientId:clientId clientSecret:clientSecret authURL:host serviceImpl:nil
onTokenExpiredCompletion:^(NSDictionary<NSString *,id> * _Nonnull dic) {
    //token
    NSString * uid = [OEMAccountManager getUid];
    NSString * accessToken = [OEMAccountManager getAccessToken];
    if (uid.length > 0 && accessToken.length > 0) {
        [BaseService setToken:uid accessToken:accessToken signType:OEMSignTypeTob2_0 completion:^(BOOL
success, NSError * _Nullable error) {
            NSLog(@"on update token %@", success ? @"success." : @"fail.");
        }];
    }
}];

// SDK
NSString *version = [OEMBaseSDK sdkVersion];
```

三、SDK依赖组件说明

组件名称	组件功能	版本	
OEMFoundation/NetworkFramework	基础网络库	1.7.0	
OEMBusiness/NetworkFramework	网络库对外封装接口	1.7.0	
MSMessageCenter/Service	获取消息中心数据	1.7.0	
MSMessageCenter/OEMMqttService	MQTT订阅相关	1.7.0	
MSLogin/Service/Repository	登录、三方登录、注册等相关接口	1.7.0	
MSLogin/Service/Model	模型文件、单个请求文件	1.7.0	
MSLogin/Service/Tools	登录工具类	1.7.0	
OEMBluetooth/Service/OEMDeviceManager	配网、设备控制、设备信息获取相关接口能力	1.7.0	
DolphinRouter	路由	1.7.0	
OEMLogger	日志库	1.7.0	
OEMEnvirement	环境库	1.7.0	
AWSIoT	亚马逊三方库(MQTT)		
AWSCore	亚马逊三方库(MQTT)		
MSmartSDK	美的配网SDK	7.0.0	
FMDB	三方库,sqlite数据库		

四、主要接口说明

SDK提供功能丰富，相关接口比较多，这里仅仅列出主要类和接口

类名：OEMAccountManager.swift（账号相关、登录相关接口）

```

        ///
        getArea
        ///
        sendVerifyCode
        ///
        authVerifyId
        ///
        verifyUserExist
    ///
    rregister
    ///
    login
    ///
    reLogin
    ///
    thirdLogin
    ///
    reThirdLogin
    ...
    demo

```

类名: `MSMessageCenterRepository.h` (消息中心相关接口)

```

/// pushToken
updateUserPushTokenWithPushToken

///
fetchUnreadMessageCountSuccess

///
fetchPushMessageListWithPageSzie

///
updateDeviceMessageListWithIds

///
updateDeviceMessageListAllRead

...

```

类名: `OEMDeviceManager.swift` (设备相关接口)

```

// MARK: - token
getToken
// MARK: - Ads
getAdsInfo
// MARK: -
getProductCatalogs
// MARK: -
getProducts
// MARK: -
bindDevice
// MARK: -
unbindDevice
...

```

五、常见问题

1、Xcode版本问题

最新版SDK采用 xcodel15打包, swift 编译工具默认是 swift 5.9.2, 低版本xcode使用此SDK会报错, 需要和开发沟通打特定版本包

2、三方库问题

楼宇同事反馈亚马逊 AWSIoT库 2.30.2 版本以下存在偶现崩溃问题, 三方库已有人提了issues, 需要更新到高版本。 SDK已同步最新版本到内网

3、接口问题

家用同事反馈更新头像接口异常, 经排查上传头像图片需要转成base64, 另外还需要手动拼接前缀。 ios base64 encode 注意不要选择json序列化

```
let base64 = "data:image/png;base64" + imageBinary
```

4、多语言问题

SDK目前仅限doliin支持的多语言, 如需新增须联系开发新增需求