

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
    MSSecretSDK.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 initSDKWithConfig:config];

NSString * clientId = @"8990073d748a1315c2ccdf47350d11f2";
NSString * clientSecret = @"3f00bbf2262e748556ea76e70a295b5e";
NSString * host = OEMDomain;
[BaseService setEnableConsoleLog:YES];
[BaseService initServiceWithClientId:clientId clientSecret:clientSecret authURL:host serviceImpl:nil
onTokenExpiredCompletion:^(NSDictionary * _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  
///  
rreegister  
///  
login  
///  
reLogin  
///  
thirdLogin  
///  
reThirdLogin  
...  
demo
```

类名: [MSMessageCenterRepository.h](#) (消息中心相关接口)

```
/// pushToken  
updateUserPushTokenWithPushToken  
  
///  
fetchUnreadMesssageCountSuccess  
  
///  
fetchPushMesssageListWithPageSzie  
  
///  
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 xcode15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dolfin支持的多语言，如需新增须联系开发新增需求