

畅联科技锁掌柜开放接口- Android版本

## 用户手册

广州畅联信息科技有限公司

2018-08-08

## 一、 引入到项目

配置 AndroidManifest.xml, 添加权限

```
<uses-permission android:name="android.permission.INTERNET"/>
<uses-permission android:name="android.permission.ACCESS_NETWORK_STATE"/>
<uses-permission android:name="android.permission.ACCESS_WIFI_STATE"/>
```

---

### 1 Android Studio 或者 Gradle

Uclbrtsdkdemo\app\build.gradle: 添加依赖

```
// uclbrt sdk
compile 'com.uclbrt:sdk:1.0.2'
// support library
compile 'com.android.support:appcompat-v7:23.1.1'
compile 'com.android.support:cardview-v7:23.1.1'
// QRCode zxing
compile 'com.google.zxing:core:3.2.1'
// okhttp
compile 'com.squareup.okhttp3:okhttp:3.0.1'
// retrofit
compile 'com.squareup.retrofit2:retrofit:2.0.0-beta4'
// jackson
compile 'com.fasterxml.jackson.core:jackson-core:2.7.1'
compile 'com.fasterxml.jackson.core:jackson-databind:2.7.1'
// picasso
compile 'com.squareup.picasso:picasso:2.5.2'
```

### 2 Eclipse ADT

暂缺教程

## 二、 配置开始使用

### 1 分配钥匙:

#### 1.1 实例化生成类

```
KeyGenerator mKeyGenerator = new KeyGenerator(Config.UCLBRT_SID, Config.UCLBRT_TOKEN);
```

---

#### 1.2 配置集群编号和请求回调

```
mKeyGenerator.setCommunityNo(Config.UCLBRT_COMMUNITY_NO);
mKeyGenerator.setListener(new KeyGeneratorListener() {
    @Override public void onSuccess(final String no) {
        // TODO:后台线程处理返回结果
        // TODO: .使用Handler通知主线程更新UI
        mHandler.post(new Runnable() {
            @Override public void run() {
                hideLoading();
                ToastUtils.show(getApplicationContext(),
                    getResources().getString(R.string.generator_tip, no));
            }
        });
    }

    @Override public void onError(final String message, int status) {
        // status已经定义在锁掌柜的状态码文档
        // TODO:后台线程处理返回结果, status已经定义在锁掌柜的状态码文档
        // TODO: .使用Handler通知主线程更新UI
        mHandler.post(new Runnable() {
            @Override public void run() {
                hideLoading();
                showError(message);
            }
        });
    }
});
```

### 1.3 分配某房间钥匙给某手机号, 发起请求

```
mKeyGenerator.create(mobile, roomNo, startTimeStr, endTimeStr);
```

## 2 获取钥匙:

### 2.1 实例化获取钥匙 Fragment

```
KeyFetcherFragment mKeyFetcherFragment = new KeyFetcherFragment();
FragmentManager manager = getSupportFragmentManager();
FragmentTransaction transaction = manager.beginTransaction();
transaction.replace(R.id.content, mKeyFetcherFragment);
transaction.commit();
```

---

### 2.2 配置开发者 id, token、集群编号和请求回调

```
mKeyFetcherFragment.setId(Config.UCLBRT_SID);
mKeyFetcherFragment.setToken(Config.UCLBRT_TOKEN);
mKeyFetcherFragment.setCommunityNo(Config.UCLBRT_COMMUNITY_NO);
mKeyFetcherFragment.setListener(new KeyFetcherViewListener() {
    @Override public void onError(String message, int status) {
        // status已经定义在锁掌柜的状态码文档
        // TODO: 请求结果错误回调
        hideLoading();
        ToastUtils.show(getApplicationContext(), message);
    }

    @Override public void onSuccess() {
        // TODO: 请求结果成功回调
        hideLoading();
        ToastUtils.show(getApplicationContext(), R.string.fetch_success);
    }
});
```

### 2.3 获取钥匙，发起请求

```
mKeyFetcherFragment.setMobile(mobile);
mKeyFetcherFragment.setRoomNo(roomNo);
mKeyFetcherFragment.setStartTime(startTimeStr);
mKeyFetcherFragment.setEndTime(endTimeStr);
mKeyFetcherFragment.requestKey();
// or
// mKeyFetcherFragment.setNo(no);
// mKeyFetcherFragment.requestKeyById();
```

## 3 让钥匙失效:

### 3.1 实例化失效类

```
KeyInvalid mKeyInvalid = new KeyInvalid(Config.UCLBRT_SID, Config.UCLBRT_TOKEN);
```

### 3.2 配置集群编号和请求回调

```
mKeyInvalid.setCommunityNo(Config.UCLBRT_COMMUNITY_NO);
mKeyInvalid.setListener(new KeyInvalidListener() {
    @Override public void onSuccess() {
        // TODO:后台线程处理返回结果
        // TODO: .使用Handler通知主线程更新UI
        mHandler.post(new Runnable() {
            @Override public void run() {
                hideLoading();
                ToastUtils.show(getApplicationContext(),
                    getResources().getString(R.string.invalid_tip));
            }
        });
    }

    @Override public void onError(final String message, int status) {
        // status已经定义在锁掌柜的状态码文档
        // TODO:后台线程处理返回结果, status已经定义在锁掌柜的状态码文档
        // TODO: .使用Handler通知主线程更新UI
        mHandler.post(new Runnable() {
            @Override public void run() {
                hideLoading();
                showError(message);
            }
        });
    }
});
```

---

### 3.3 让某手机号被分配在某房间的钥匙失效, 发起请求

```
mKeyInvalid.cancelByRoom(mobile, roomNo, startTimeStr, endTimeStr);
```

## 三、 Proguard 混淆

Uclbrtsdkde mo\app\proguard-rules pro 添加以下内容

```
# okhttp
-dontwarn com.squareup.okhttp3.**
-keep class com.squareup.okhttp3.** { *;}
-dontwarn okio.*

# retrofit
-dontwarn retrofit2.**
-keep class retrofit2.** { *; }
-keepattributes Signature
-keepattributes Exceptions

# jackson
-keepattributes *Annotation*,EnclosingMethod,Signature
-keepnames class com.fasterxml.jackson.** { *; }
-dontwarn com.fasterxml.jackson.databind.**
-keep class org.codehaus.** { *; }
-keepclassmembers public final enum
org.codehaus.jackson.annotate.JsonAutoDetect$Visibility {
public static final org.codehaus.jackson.annotate.JsonAutoDetect$Visibility *; }
-keep class com.uclbrt.sdk.domain.pojo.** { *;}
```

## 四、 Demo

下载地址: [https://pan.baidu.com/s/1qa5WmK1KggNWoG\\_XPWmmNw](https://pan.baidu.com/s/1qa5WmK1KggNWoG_XPWmmNw) 密码: 5v9e