

# iOS Public LOUIE7 SDK DOCUMENTATION

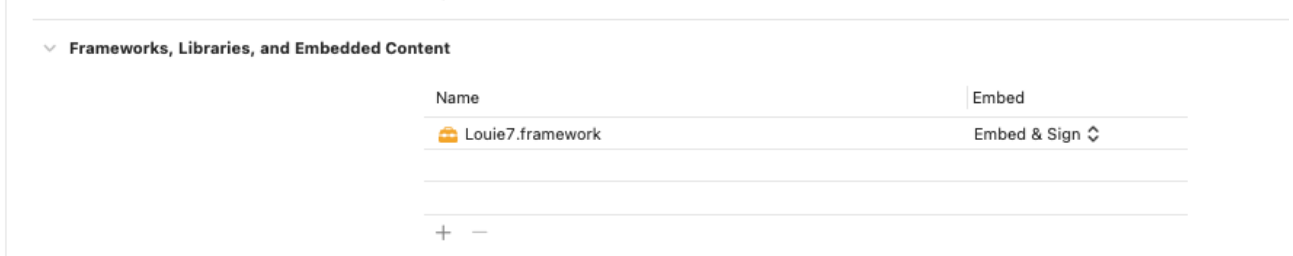
## Overview

The Louie7 SDK collects user data according to permissions given by the user.

## Integrate Louie7 iOS SDK into your iOS app

To integrate Louie7 SDK into your app, you have to follow these steps:

1. Download the SDK file.
2. Unzip the file and copy **Louie7.framework** to the project folder.
3. Add the framework to **Frameworks, Libraries, and Embedded Content**, and make sure you select **Embed & Sign**



4. Import Louie7 at the top in **AppDelegate.swift**

```
import Louie7
```

5. Initialize the SDK in the AppDelegate class

```
let louieSDK = Louie7.build(apiKey: "API_KEY")
```

6. Add start() action to didFinishLaunchingWithOptions method body in AppDelegate

```
louieSDK.start()
```

7. Call this method to get the user id:

```
louieSDK.getUserIdentifier()
```

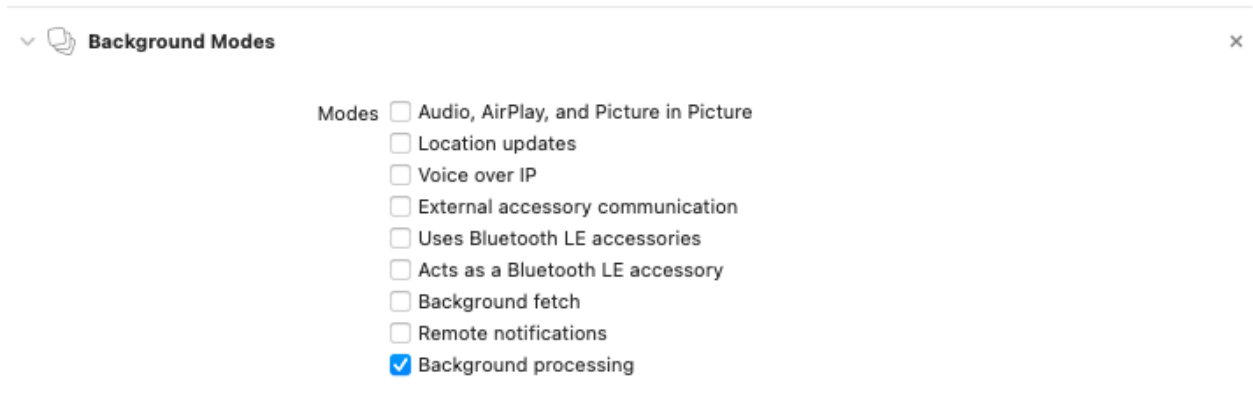
## Enable iOS Background Logging

Background processing can be initialized only by the client app, the SDK can't register backgrounds task.

In order to make it possible for SDK to collect data in the background, the developer should create the background task identifier and pass it to the Louie7 SDK setup method.

Steps to setup background logging:

1. In **Xcode > Project > Capabilities**, add **Background Modes** and select **Background processing** checkbox.



2. Register a background task identifier in **Info.plist**

```
<key>BGTaskSchedulerPermittedIdentifiers</key>
<array>
  <string>background_task_identifier</string>
</array>
```

3. Configure Louie7 SDK with the task identifier in **AppDelegate.swift**

```
func application(_ application: UIApplication,
didFinishLaunchingWithOptions launchOptions: [UIApplication.
LaunchOptionsKey: Any]?) -> Bool {
    Louie7.handleBackgroundTask(apiKey: "API_KEY", with:
"background_task_identifier")
    return true
}
```

## How to integrate with SDK's API

To integrate your client application you have authorize your device identifier. To authorize your device identifier send a **POST** request to SDK's API.

All API requests require the use of a received application key. To authenticate an API request, you should provide your application key in the **x-API-Key** header.

Header Parameter	Type	Description
X-API-Key	string	Your application key

Next , to authorize a device identifier

You have send a **POST** request to SDK's API using received **x-API-Key** key.

### Authorize device identifier

POST /api/v1/devices

Body Parameter	Type	Description
identifier	string	Device identifier
Header Parameter	Type	Description
X-API-Key	string	Your application key

### Authorize device identifier example

POST

https://sdk-api.koue7ai.com/api/v1/devices

Send

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Headers

8 hidden

KEY	VALUE	DESCRIPTION
X-API-Key	cd6c92ed-1916-4a78-b542-b86ac4ad4b95	
Key	Value	Description

Response

POST

https://sdk-api.koue7ai.com/api/v1/devices

Send

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

```
1 {
2   "identifier": "your-device-identifier-or-any-string-string"
3 }
```

Body

Cookies

Headers (11)

Test Results

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "access": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ3Z0VuZG1naWVzIjoiaW91c1lkIiwiaXNjaW50eS1zcmVudG91bmc1Ij0iYm91bmc1IiwiaWF0Ij0iMTY1NDIzODU3MD0uNemoXKzNCAashij3JZCkZ2c2dTBGwWE3mf42ps45KAiG"
3 }
```

Now , that you've successfully authorized your application's device identifier , you request application's SDK's config.

**Next, to receive application config**

You have send a GET request to SDK's API using received access (Authorization) header.

## Receive application config

GET /api/v1/application/config

Header Parameter	Type	Description
Authorization	string	Your device identifier access

Receive application config example

GEThttps://sdk-api.loue7ai.com/api/v1/application/configSend

ParamsAuthorizationHeaders (8)BodyPre-request ScriptTestsSettingsCookies

Headers6 hidden

KEY	VALUE	DESCRIPTION
Authorization	Bearer eyJ0eXAOLKJVtQILCjBhGcOUJz1TNlJ9.eyJpZGVudGmaWVjplieW9	
X-API-Key	cdfb92ed-1916-4a78-bf42-b86ac4ad4b95	
Key	Value	Description

GEThttps://sdk-api.loue7ai.com/api/v1/application/configSend

ParamsAuthorizationHeaders (8)BodyPre-request ScriptTestsSettingsCookies

Headers6 hidden

KEY	VALUE	DESCRIPTION
Authorization	Bearer eyJ0eXAOLKJVtQILCjBhGcOUJz1TNlJ9.eyJpZGVudGmaWVjplieW9	
X-API-Key	cdfb92ed-1916-4a78-bf42-b86ac4ad4b95	
Key	Value	Description

BodyCookiesHeaders (11)Test Results

PrettyRawPreviewVisualizeJSON

12345678910111213141516171819

1"ApiKey": "cdfb92ed-1916-4a78-bf42-b86ac4ad4b95",  
2"Lifecycle": 30,  
3"BucketApi": "https://objectstorage.uk-london-1.oraclecloud.com/p/zCab8MqWm6aaqKxepR8NFtTPuASgdms3g9FIAW0Q4uWkPq7hT8TD\_8sQg0/n/1rzustouvvrg/b/ebs-integration/o",  
4"Configuration": {  
5 "EnablePowerManager": true,  
6 "EnableActionBattery": true,  
7 "EnableGestureManager": true,  
8 "EnableImageMediaStore": false,  
9 "EnableLocationManager": true,  
10 "EnableMusicMediaStore": true,  
11 "EnableCalendarContract": true,  
12 "EnableContactsContract": true,  
13 "EnableConnectivityManager": true  
14 },  
15 "WifiSampleRate-minutes": 25,  
16 "BatterySampleRate-minutes": 25,  
17 "ScreenSampleRate-minutes": 250  
18  
19

Status: 200 OKTime: 200 msSize: 972 BSave Response

You can also download the application config as a file

Download application config

GET /api/v1/application/config/download