



# App SDK Creation Instruction

App Development > SDK Development

Version: 20200522

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## 1 Log in to the IoT platform

Log in Tuya IoT Platform <https://iot.tuya.com> , enter into the login page, you could log in directly if you have an existing account; If there is no account, please register first and then log in.

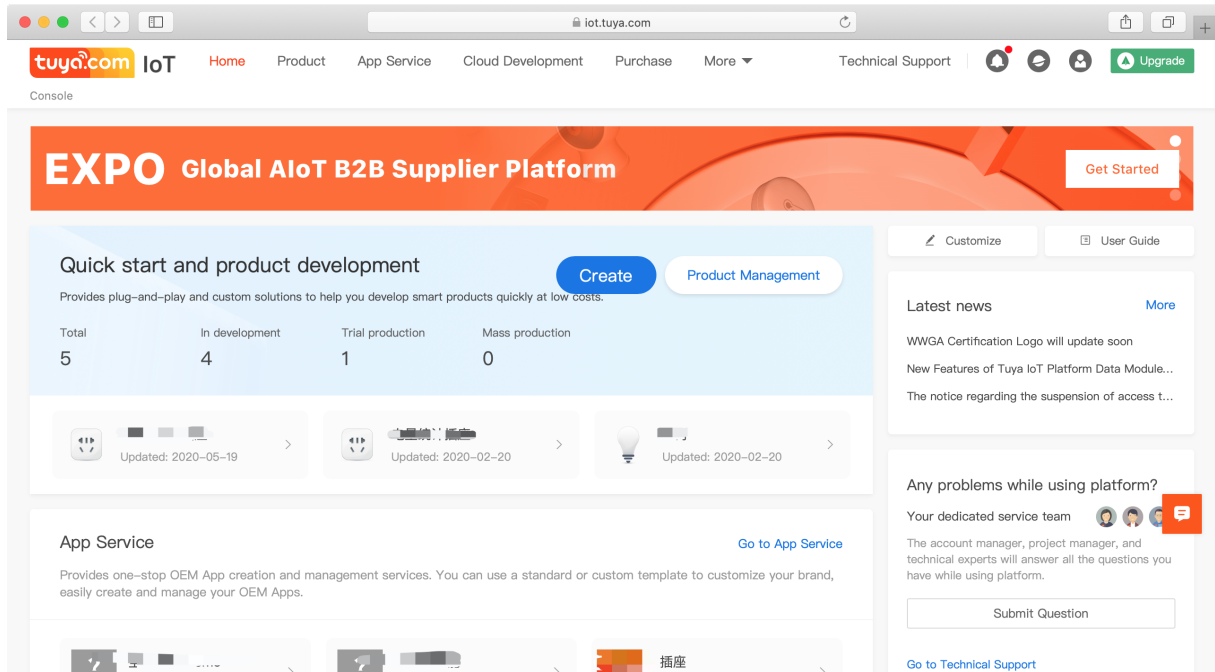
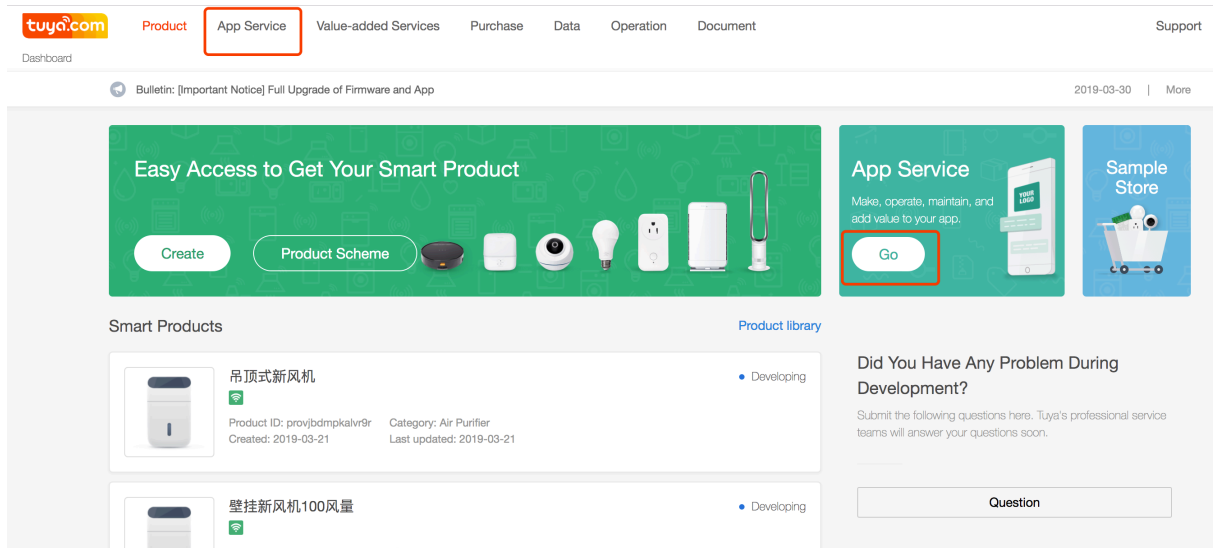


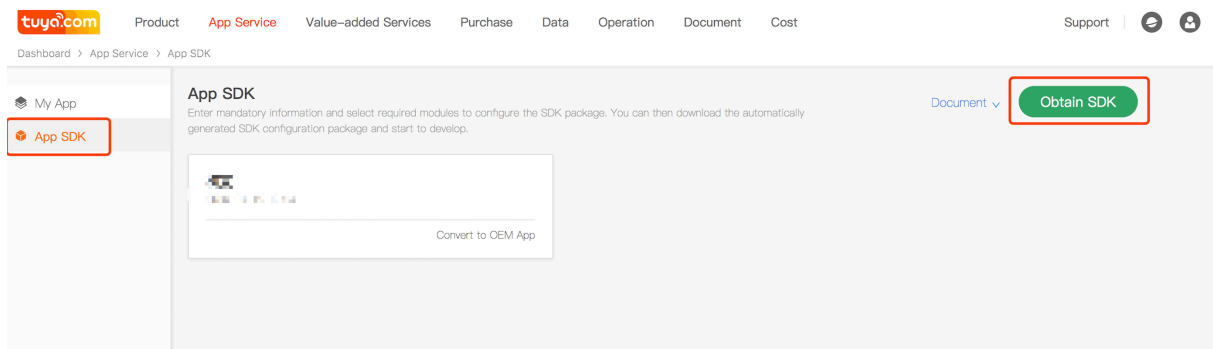
Figure 1: image.png

## 2 Create App

Enter into **【Home】** section, click **App Service**




Select **App SDK**, and click **Obtain SDK**.




You can select the required device solution according to your actual needs and multiple selections are supported, and then click **Next**.

×


**Select Solutions**

**Wi-Fi device solution**


Provides interface package with Wi-Fi device and Tuya cloud communication to accelerate application development process.

**Zigbee device solution**

Provides interface package with Zigbee device and Tuya cloud communication to accelerate application development process.

**Bluetooth device solution**

Including Bluetooth and Bluetooth mesh scanning, connection, distribution network, firmware upgrade and other functions.

**IP Camera device solution**

Support for preview, view, intercom, audio transmission, etc. for cameras based on p2p connection.

Cancel Next

Fill in the information for your App.

- **App Name:** Enter your App name.
- **iOS Package Name:** Enter your iOS App package name (recommended format: com.xxxxx.xxxxx).
- **Android Package Name:** Enter your Android App package name (both can be consistent or inconsistent).
- **Channel ID:** It is not a required field. If not filled in, the system will automatically generate it according to the package name.

After the information is completed, please click to Confirm.

**Enter Information** ✕

\* App Name:

\* ? iOS Package Name:

\* ? Android Package Name:

Channel ID:

Back Confirm

At present, your SDK has been created. You can integrate and develop the SDK according to Podfile and Gradle.

### App Test

Development Solution: [Change Solution](#)

[Wi-Fi device solution](#)

[Zigbee device solution](#)

[Bluetooth device solution](#)

#### App Package Name:

iOS Package Name: com.test.tyuiop

Android Package Name: com.test.tyuiop

Channel ID: testtyuiop

#### Key

##### iOS

Appkey: hwtw89f7ennxajddtur3

AppSecret: \*\*\*\*\* [Show](#) [Copy](#)

iOS-based App Security Image: [Download](#)

##### Android

Debug

Release

The two versions contain different data.

Appkey: r89extrts3r893aqeadg

AppSecret: \*\*\*\*\* [Show](#) [Copy](#)

Android-based App Security Image: [Download](#)

[How Do I Use Podfile?](#)

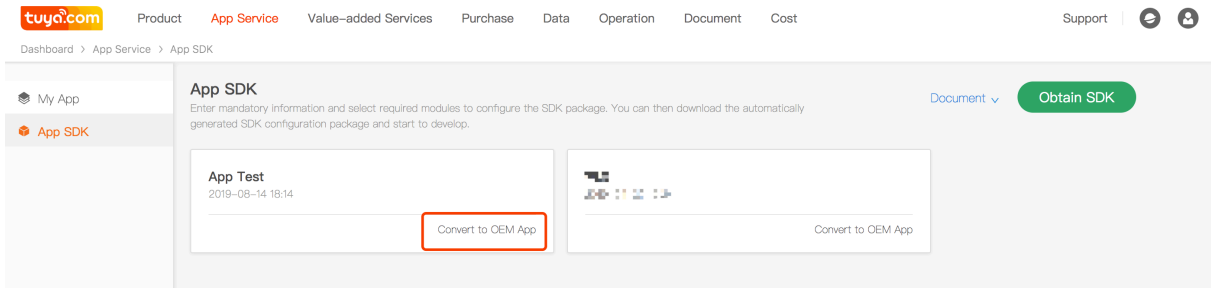
[How Do I Use Gradle?](#)

[Download iOS-based App SDK\(Podfile\)](#)

[Download Android-based App SDK\(Gradle\)](#)

### 3 Convert App SDK to OEM App

If you are fond of the style of Tuya OEM App, you can convert it on the basis of SDK. You can find the App you need to convert in the **App SDK** list and click the bottom right corner **Convert to OEM App**.

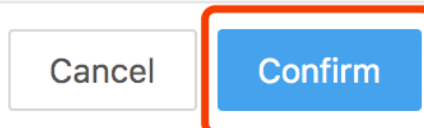


Please be cautious! Confirm whether you really need to do the conversion, the original App SDK will not exist after the conversion is successful, and the conversion can no longer be operated within 7 \* 24 hours. If yes, click **Confirm**.

#### Confirm the transformation



After the Conversion is successful, the App SDK will be deleted, and the Conversion can not be operated again within 7 \* 24 hours. Please confirm whether to convert or not.



You can click the button **Go** to the page of OEM App to configure your App's related information.





## App converted!

Converted successful, please go to settings.

Go (2)

You can click the App's version information to enter the configuration page. For details, please refer to [OEM App build instruction](#).

The OEM App needs to be charged separately for 3000USD. If you confirm it, you can click **Buy Now** on the page. After the payment, the App will become the official version, and can be released on the application market.

The OEM App can be converted to the SDK again after 7 \* 24 hours of the last conversion. Just click the upper right corner **Convert to SDK**.

The screenshot shows the Tuya App Service dashboard for an app named "App Test". At the top, there is a navigation bar with "tuya.com" and various menu items like "Product", "App Service", "Value-added Services", "Purchase", "Data", "Operation", "Document", "Cost", "Support", and a user profile icon. Below the navigation bar, there is a breadcrumb trail: "Dashboard > App Service > App Test". A yellow warning banner at the top states: "During your free trial of the OEM App service, a test package is built for real tests. However, if you need a complete formal package to release your App on the App Store, you have to pay for the full service within the validity period." A red box highlights the "Buy Now" button in this banner. The main content area shows the app details for "App Test", including "Latest Version: v1.0.0", "App Certificate: Not Configured", "Modify", "IOS Package Name: com.test.tyuiop", "Android Package Name: com.test.tyuiop", "Registered User", "Active User", "Feedback", "Download QR Code to Print", "Configure App Upgrade Notification", and "Convert to SDK" (highlighted with a red box). Below this, there is a "Create Version" button and a note: "To create a new version belongs to the OEM App Software Upgrade service. Please purchase the OEM App service and then purchase it separately." The version list shows "v1.0.0" with a "Configuring..." status (highlighted with a red box), "Template: Official template A v3.11.0", and creation/modification times. A QR code is also visible on the right.