



# App SDK Creation Instruction

APP Development > SDK Development

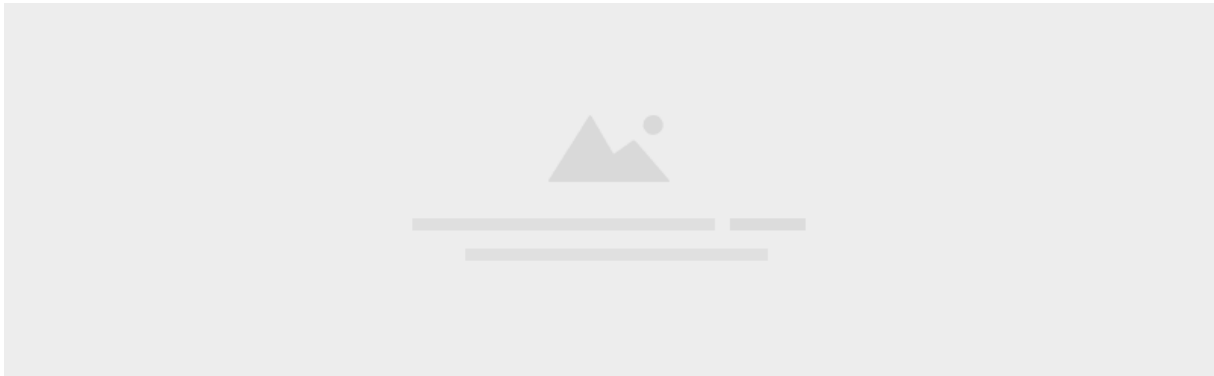
Version: 20200328

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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.



## 2 Create App

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


The screenshot shows the Tuya.com dashboard. The navigation bar includes 'tuya.com', 'Product', 'App Service' (highlighted with a red box), 'Value-added Services', 'Purchase', 'Data', 'Operation', 'Document', and 'Support'. Below the navigation bar, there is a 'Bulletin: [Important Notice] Full Upgrade of Firmware and App' and a date '2019-03-30 | More'. The main content area features a green banner with 'Easy Access to Get Your Smart Product' and buttons for 'Create' and 'Product Scheme'. To the right, there is an 'App Service' section with a 'Go' button (highlighted with a red box) and a 'Sample Store' section. Below the banner, there is a 'Smart Products' section with two product cards: '吊顶式新风机' and '壁挂新风机100风量', both marked as 'Developing'. A 'Product library' link is also visible. On the right side, there is a 'Did You Have Any Problem During Development?' section with a 'Question' input field.

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

The screenshot shows the 'App SDK' page on Tuya.com. The navigation bar includes 'tuya.com', 'Product', 'App Service' (highlighted with a red box), 'Value-added Services', 'Purchase', 'Data', 'Operation', 'Document', 'Cost', 'Support', and user icons. Below the navigation bar, there is a breadcrumb 'Dashboard > App Service > App SDK'. The main content area features a 'My App' sidebar with 'App SDK' (highlighted with a red box) selected. The 'App SDK' section contains the text: 'Enter mandatory information and select required modules to configure the SDK package. You can then download the automatically generated SDK configuration package and start to develop.' Below this text is a 'Convert to CEM App' button. On the right side, there is a 'Document' dropdown menu and an 'Obtain SDK' button (highlighted with a red box).


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

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**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.

tuya.com Product **App Service** Value-added Services Purchase Data Operation Document Cost

Dashboard > App Service > App SDK > App Test

Basic Information 1 Certificate configuration 2

### 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

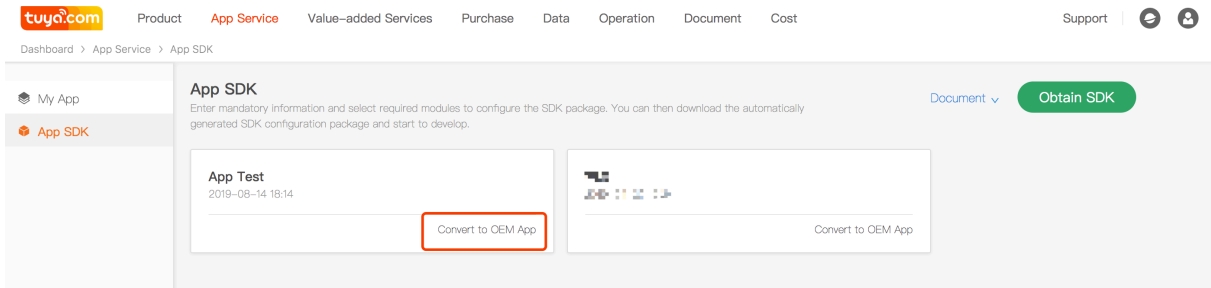
iOS	Android
Appkey: hwtw89f7ennxajddtur3 AppSecret: ***** Show Copy iOS-based App Security Image: <a href="#">Download</a>	<input checked="" type="checkbox"/> Debug <input type="checkbox"/> Release ⓘ The two versions contain different data. Appkey: r89extrts3r893aqeadg AppSecret: ***** Show Copy Android-based App Security Image: <a href="#">Download</a>

[How Do I Use Podfile?](#) [How Do I Use Gradle?](#)

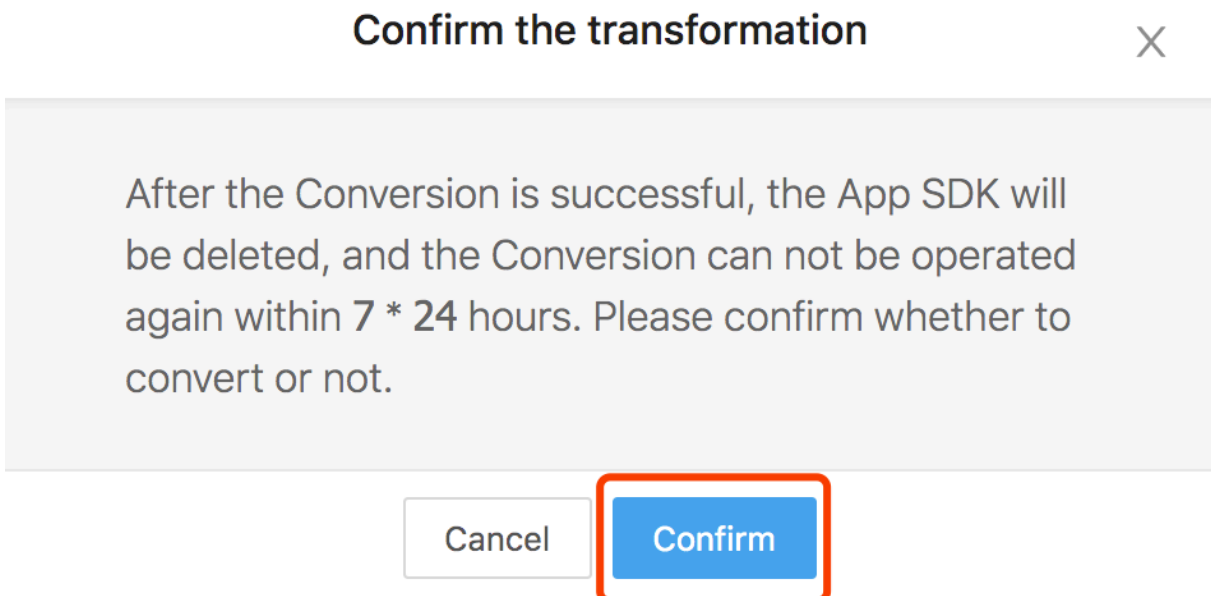
[Download iOS-based App SDK\(Podfile\)](#) [Download Android-based App SDK\(Gradle\)](#)

### 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**.



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 application 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 of the main content area 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 "Buy Now" button is highlighted with a red box.

The main content area displays the app details for "App Test":

- Logo: A placeholder with a question mark and the word "Logo".
- Latest Version: v1.0.0
- App Certificate: Not Configured (with a "Modify" link)
- IOS Package Name: com.test.tyuiop
- Android Package Name: com.test.tyuiop
- Registered User (with a user icon)
- Active User (with a bar chart icon)
- Feedback (with a speech bubble icon)
- Download QR Code to Print (with a QR code icon)
- Configure App Upgrade Notification (with a gear icon)
- Convert to SDK (with a right-pointing arrow icon, highlighted with a red box)

Below the app details, 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 one version: "v1.0.0" with a status of "Configuring...". The version details include:

- Template: Official template A v3.11.0
- Usage: You have 10 version creation times for today and 30 version creation times for the current month.
- Creation Time: 2019-08-14 18:22
- Modification Time: 2019-08-14 18:22
- QR code: A QR code is displayed to the right of the version details.