

# Quick Guidelines of Elekeeper API

## You are a distributor/installer

We provide web portal authorization function, please log in elekeeper web portal and follow below steps.

### 1. You are developing the programme by yourself.

#### a. Create a developer for your account

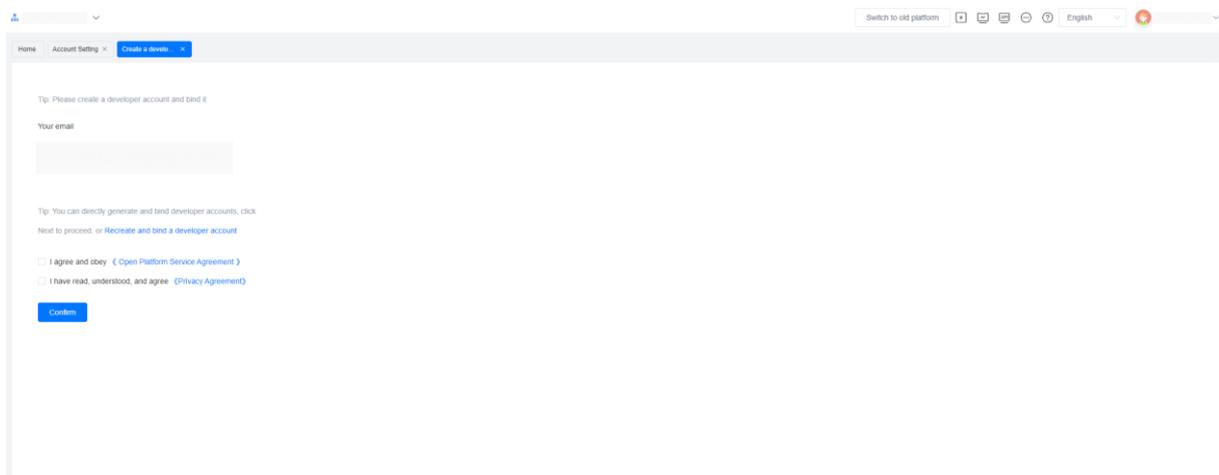
##### i. Find the entrance of the developers function on the top of Elekeeper.

Choose autonomous account.

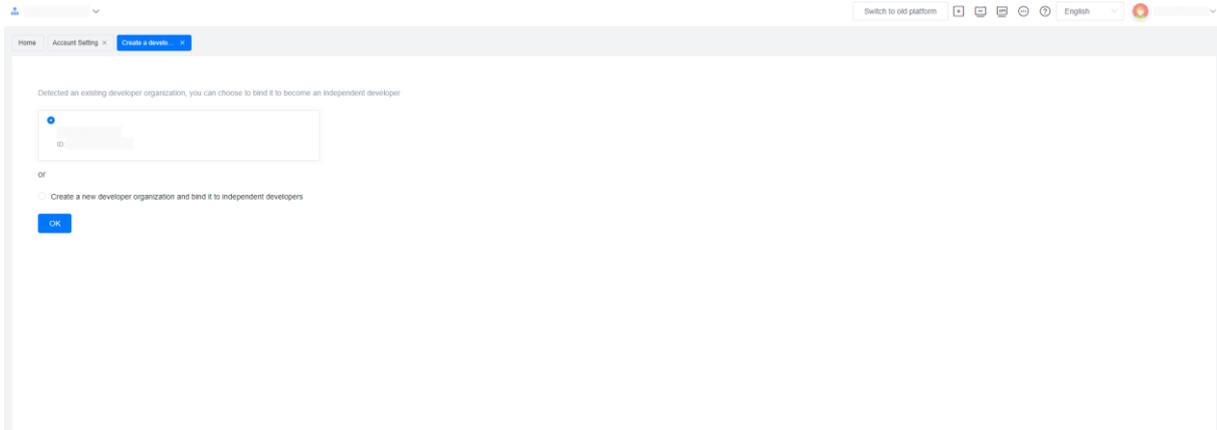


##### ii. Fill in the information on the page

- If your account had once been registered in openplatform as a developer, it will be retrieve and show in the page. You can continue choose this developer account to binded or creat a band new one.



Furthermore, if your developer account had set up a developer organization(s), it(they) will be shown in the page, you can select it or set up a band new one.



- If your account has never been registered on the open platform, you will be guided to create a new account and link it to your current Elekeeper account.

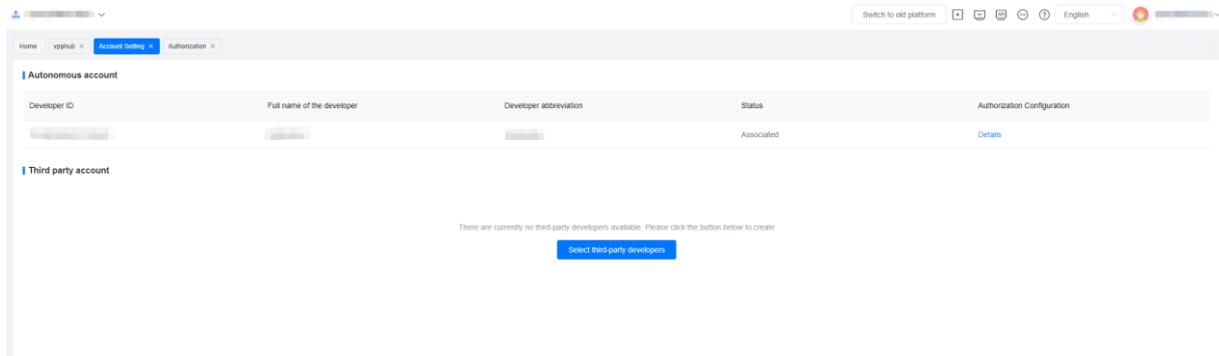
A screenshot of the 'Create a developer' registration form. At the top, there's a tip: 'Tip: Please create a developer account and bind it'. The form has several sections: 'Email' with a text input field; 'Email verification code' with a text input field and a 'Send' button; 'Password' with a text input field; and 'Confirmation password' with a text input field. At the bottom, there are two checkboxes: 'I agree and obey (Open Platform Service Agreement)' and 'I have read, understood, and agree (Privacy Agreement)'. A blue 'Confirm' button is at the very bottom.

- Please fill in the information submission, SAJ will be processed ASAP.

A screenshot of the 'Create a developer' information submission form. It is divided into two main columns. The left column is titled 'Basic Info' and includes fields for 'Developer Enterprise Name', 'Developer company abbreviation', 'legal representative', 'Developer Organization's Address' (with a country dropdown), 'official website', and 'Business license or other proof'. The right column is titled 'Developer User Information' and includes fields for 'Contact Name', 'Job title', 'Tel' (with a country dropdown), and 'Email'. There is also a 'business card' section with an 'Upload business card' button. At the bottom, there is a 'Submit' button.

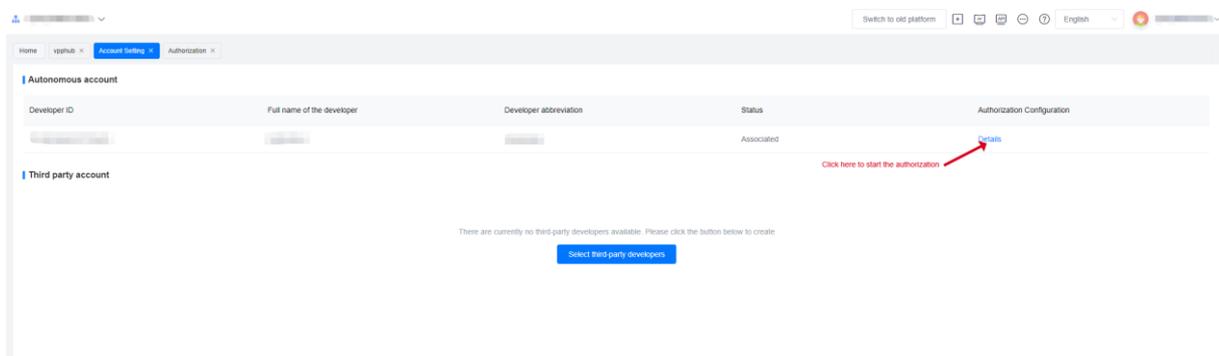
When registration finished, the autonomous account information will be shown on the page.

At this point, the binding of the autonomous account is complete.

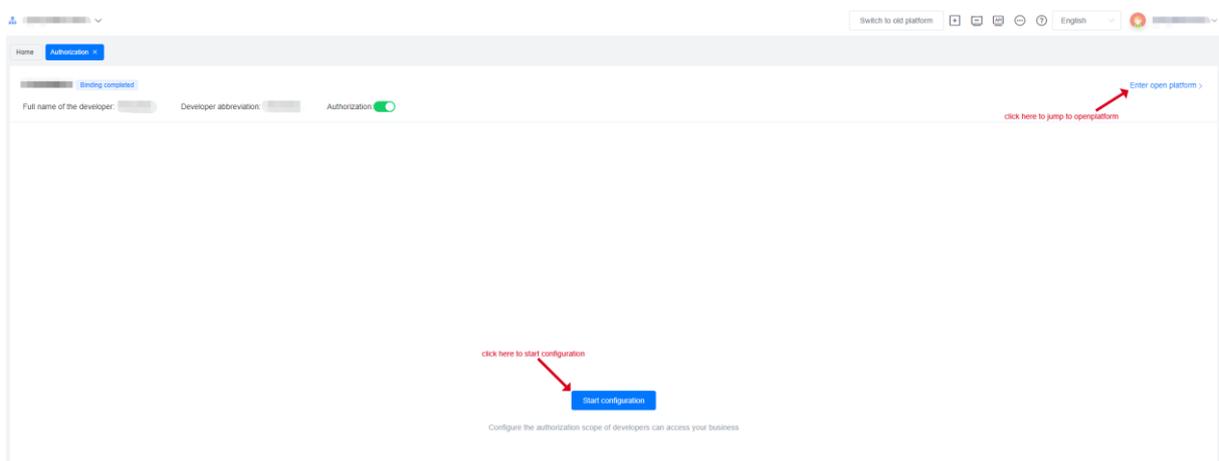


## b. Authorize resources to the developer.

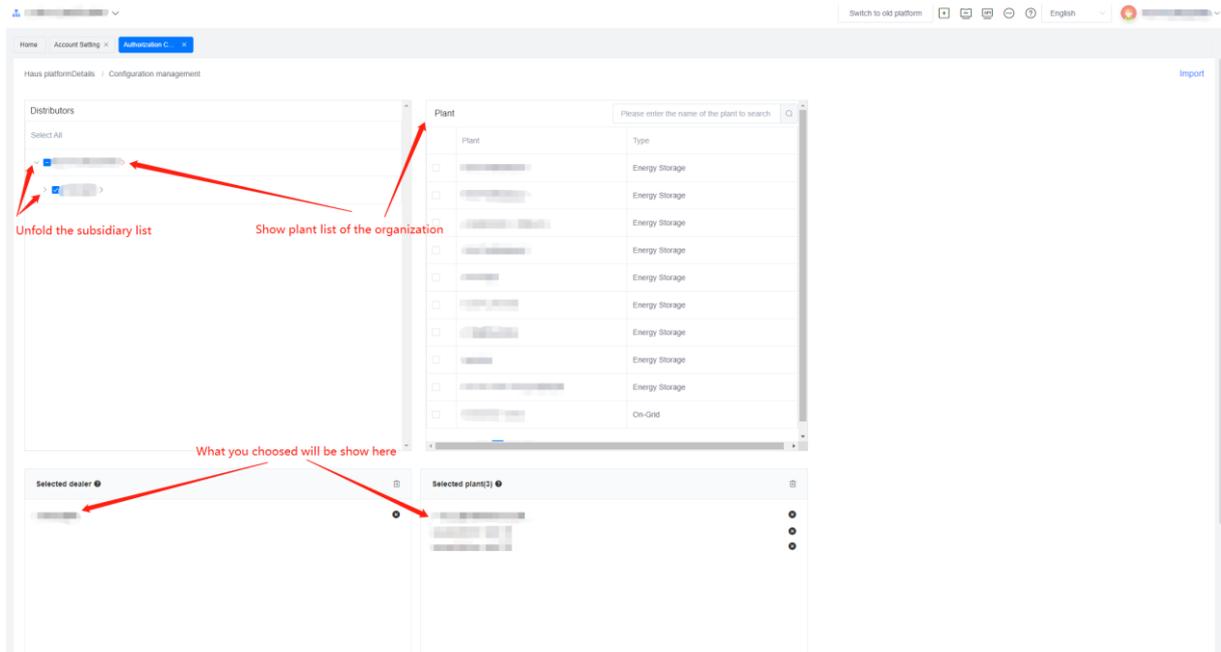
### i. Click here to start the authorization.



Here is the default(empty) page, you can check the authorized scope here when finished.



You can quickly select the scope of authorization by choosing the distributor/installer and plant dimensions. Please note that selecting a distributor/installer will automatically include all current and future subsidiary and plants associated with it.



Examples as below.

Distributor level	Plant level
<input checked="" type="checkbox"/> A	
—A1	plant_A1_1
	plant_A1_2
	plant_A1_3
—A2	plant_A2-1
—A2-1	plant_A2-1_1
	plant_A2-1_2
—A3	plant_A3_1
—A3-1	plant_A3-1_1

All existing and future plant will be authorized

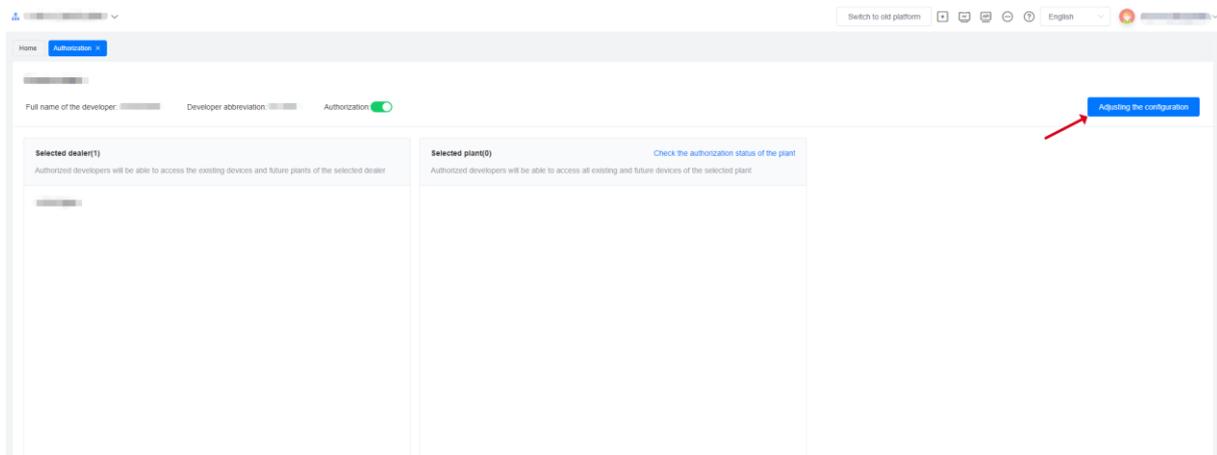
Distributor level	Plant level
<input type="checkbox"/> A	
—A1	plant_A1_1
	plant_A1_2
	plant_A1_3
<input checked="" type="checkbox"/> —A2	plant_A2-1
—A2-1	plant_A2-1_1
	plant_A2-1_2
—A3	plant_A3_1
—A3-1	plant_A3-1_1

Plants that belongs to A2 (plantA2-1, plant\_A2-1\_1, plant\_A2-1\_2, and future plants) will be authorized

Distributor level	Plant level
<input type="checkbox"/> A	
—A1	plant_A1_1
	<input checked="" type="checkbox"/> plant_A1_2
	plant_A1_3
—A2	plant_A2-1
<input checked="" type="checkbox"/> —A2-1	plant_A2-1_1
	plant_A2-1_2
—A3	plant_A3_1
—A3-1	plant_A3-1_1

Plants that belongs to A2-1 (plant\_A2-1\_1, plant\_A2-1\_2, and future plants) , plant\_A1\_2, will be authorized

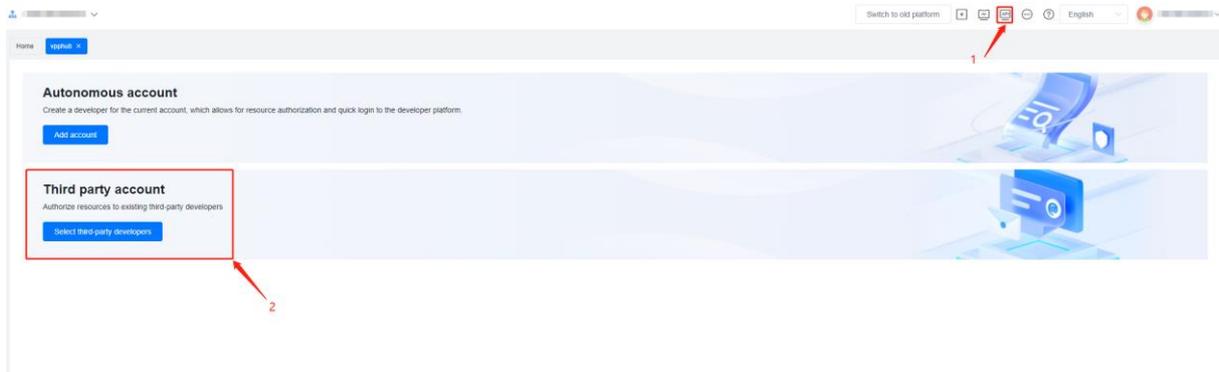
## ii. The authorized resources are displayed here and you can modify them again



## 2. A 3rd-party developer is working with you.

### a. Establish a binding relationship with the third-party developer

#### i. Find the entrance of the developers function on the top of Elekeeper.

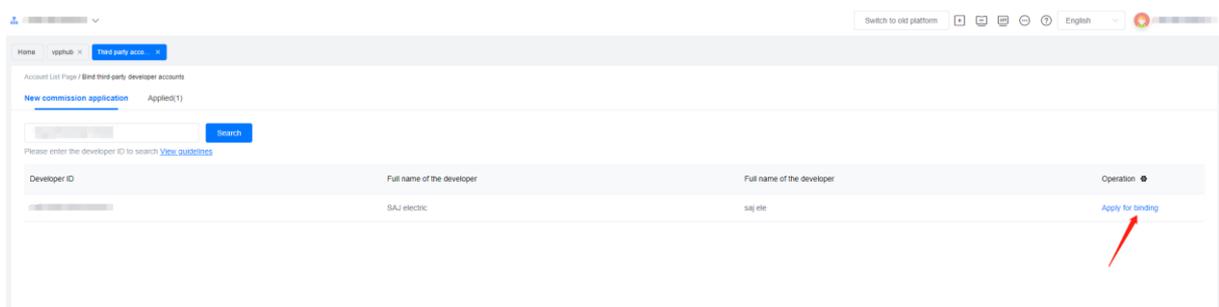
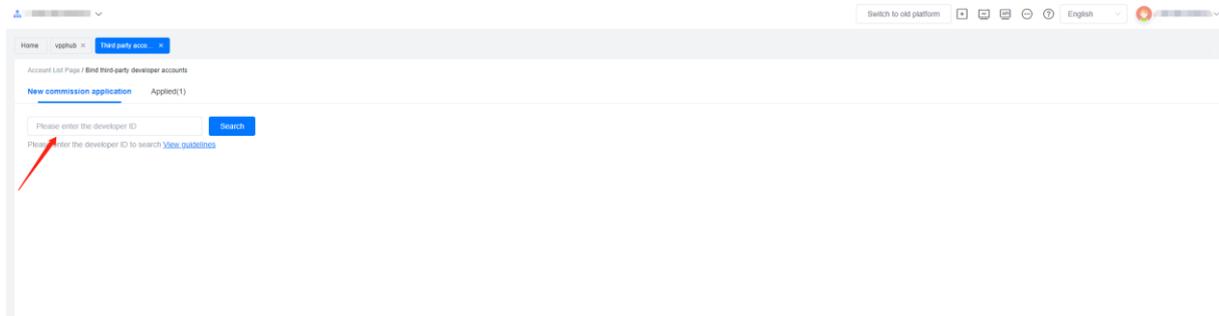


#### ii. Enter and submit the 3rd-party developer's ID and apply.

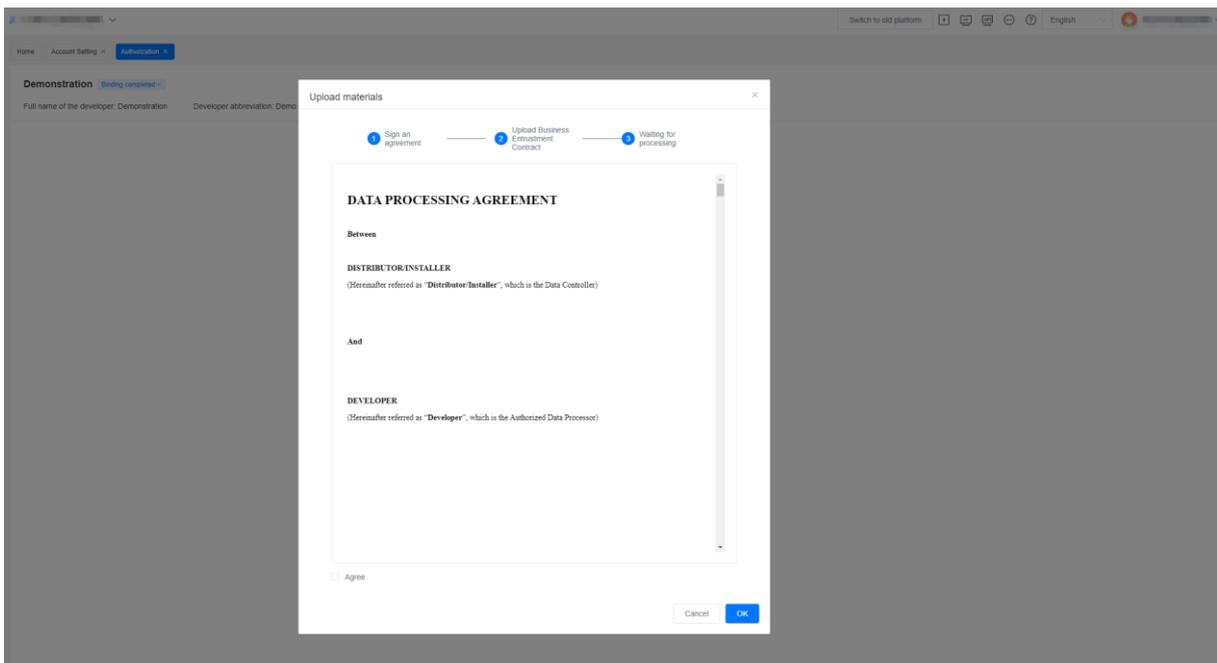
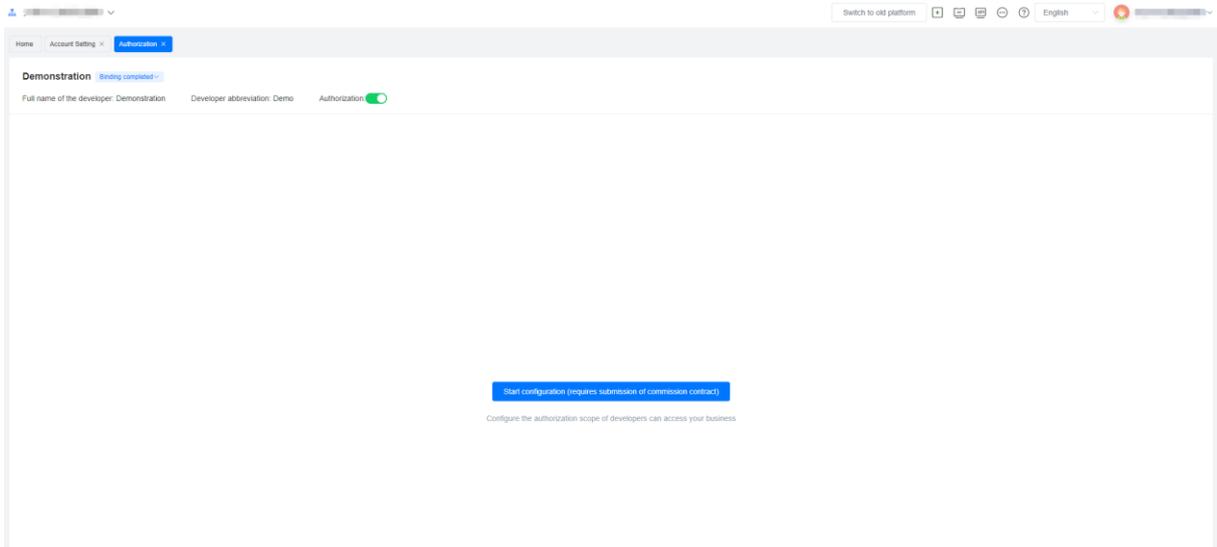
If this developer is not yet registered on the open platform, please contact our technical support team or register on the open platform first.

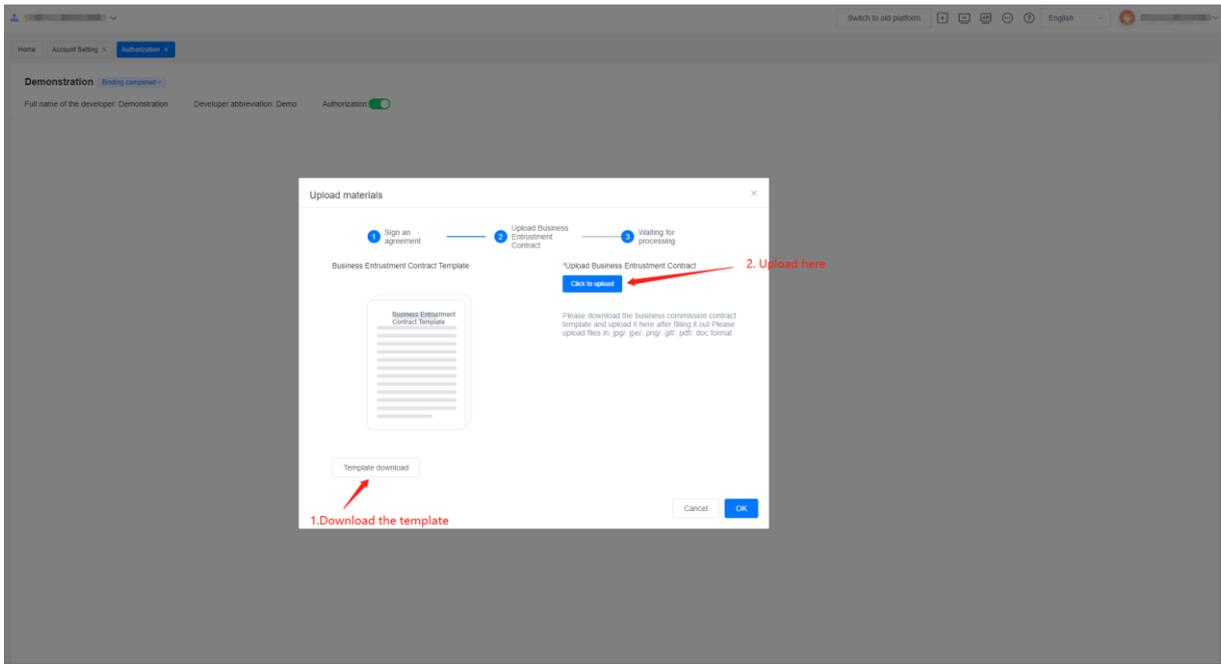
Europe node(for Europe): <https://developer.saj-electric.com>

International node(Except Europe and China mainland): <https://intl-developer.saj-electric.com>

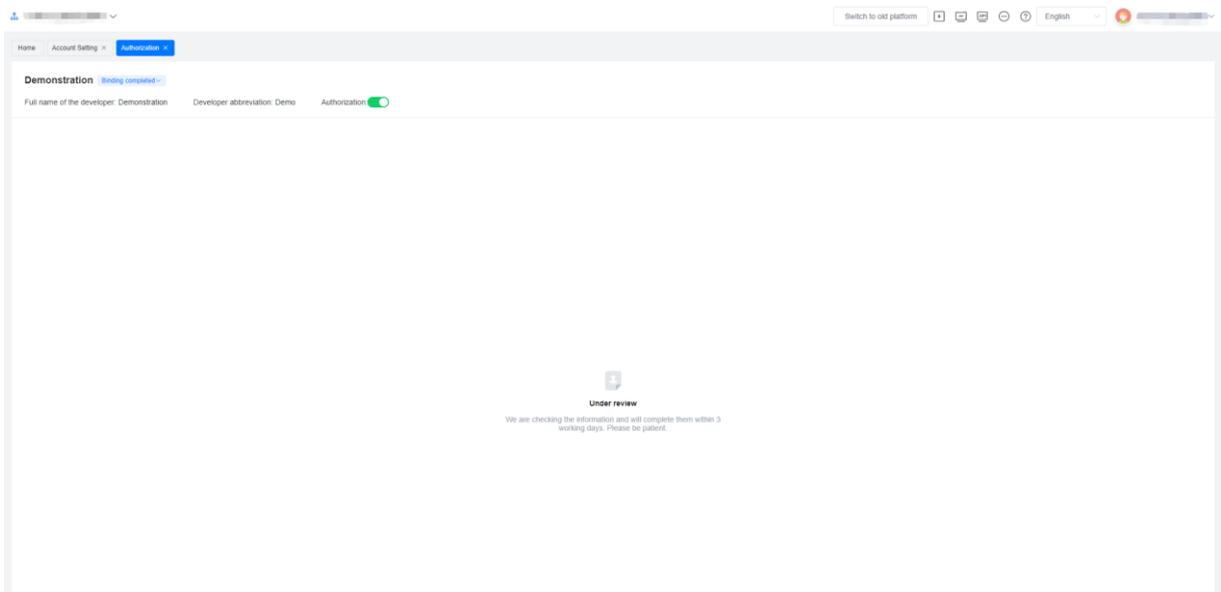


iii. Due to compliance requirements, an agreement/declaration is need to be submitted.

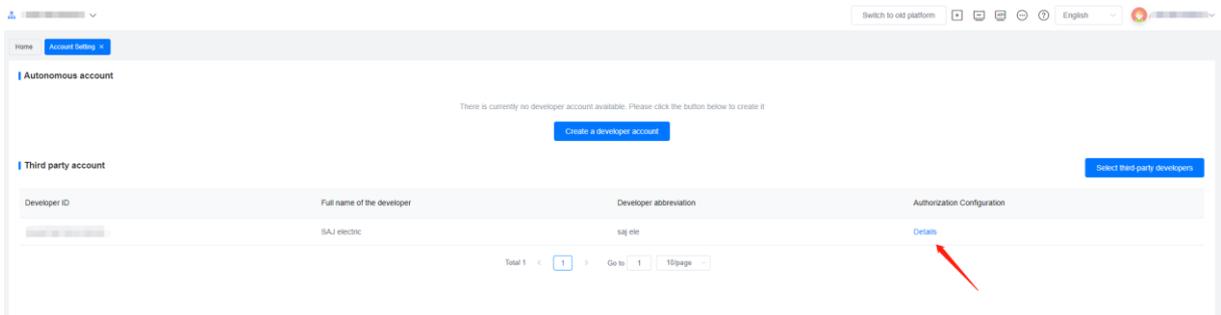




Once this step was done, SAJ will review it ASAP.

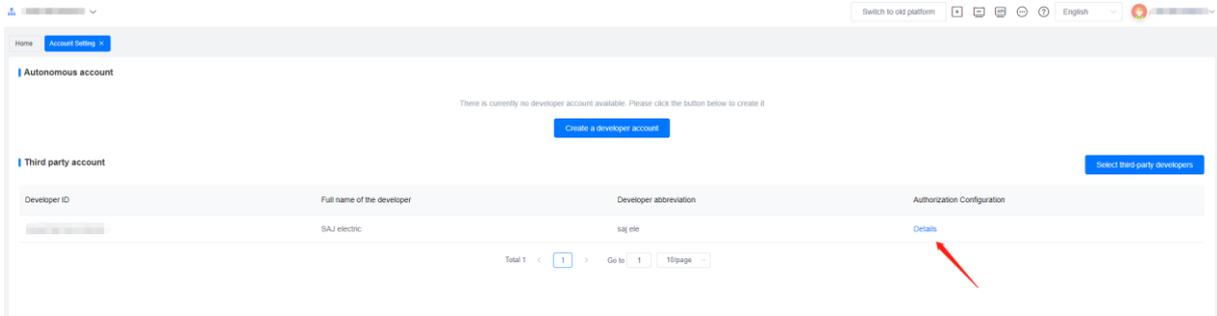


iv. You are now free to set which of your plants/devices are allowed to be queried or managed by the 3-rd party developer (at the same time depending on the permission of the plant owner)

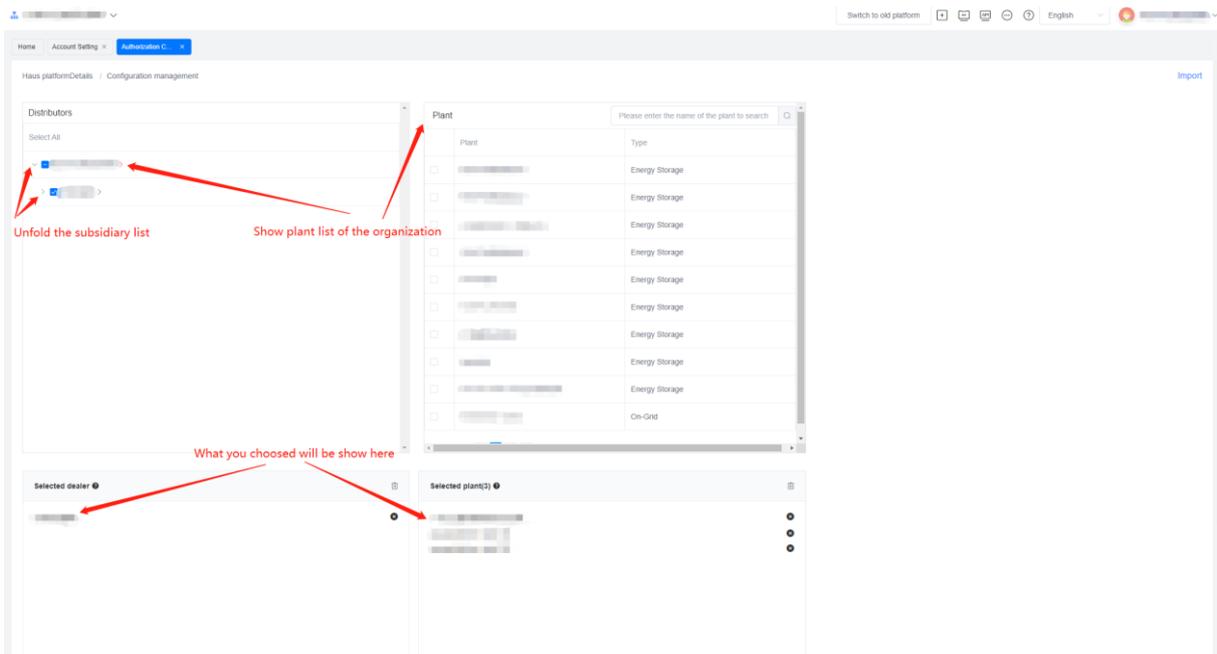


## b. Authorize resources to 3-rd party developer.

### i. Click here to start the authorization.



You can quickly select the scope of authorization by choosing the distributor/installer and plant dimensions. Please note that selecting a distributor/installer will automatically include all current and future subsidiary and plants associated with it.



Examples as below.

Distributor level	Plant level
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—A3	plant_A3_1
—A3-1	plant_A3-1_1

All existing and future plant will be authorized

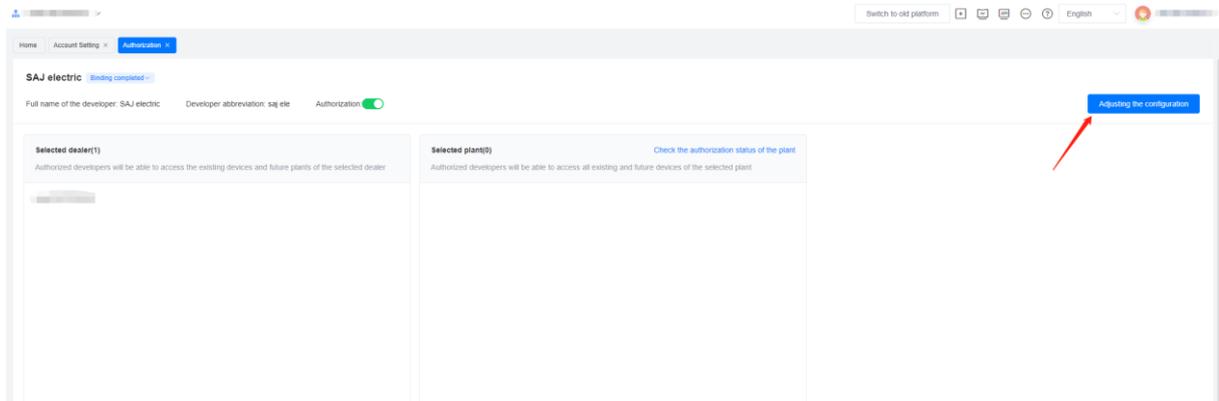
Distributor level	Plant level
<input type="checkbox"/> A	
—A1	plant_A1_1 plant_A1_2 plant_A1_3
<input checked="" type="checkbox"/> —A2	plant_A2-1 plant_A2-1_1 plant_A2-1_2
—A2-1	
—A3	plant_A3_1
—A3-1	plant_A3-1_1

Plants that belongs to A2 (plant\_A2-1, plant\_A2-1\_1, plant\_A2-1\_2, and future plants) will be authorized

Distributor level	Plant level
<input type="checkbox"/> A	
—A1	plant_A1_1 <input checked="" type="checkbox"/> plant_A1_2 plant_A1_3
—A2	plant_A2-1
<input checked="" type="checkbox"/> —A2-1	plant_A2-1_1 plant_A2-1_2
—A2-1	
—A3	plant_A3_1
—A3-1	plant_A3-1_1

Plants that belongs to A2-1 (plant\_A2-1\_1, plant\_A2-1\_2, and future plants), plant\_A1\_2, will be authorized

ii. The authorized resources are displayed here and you can modify them again

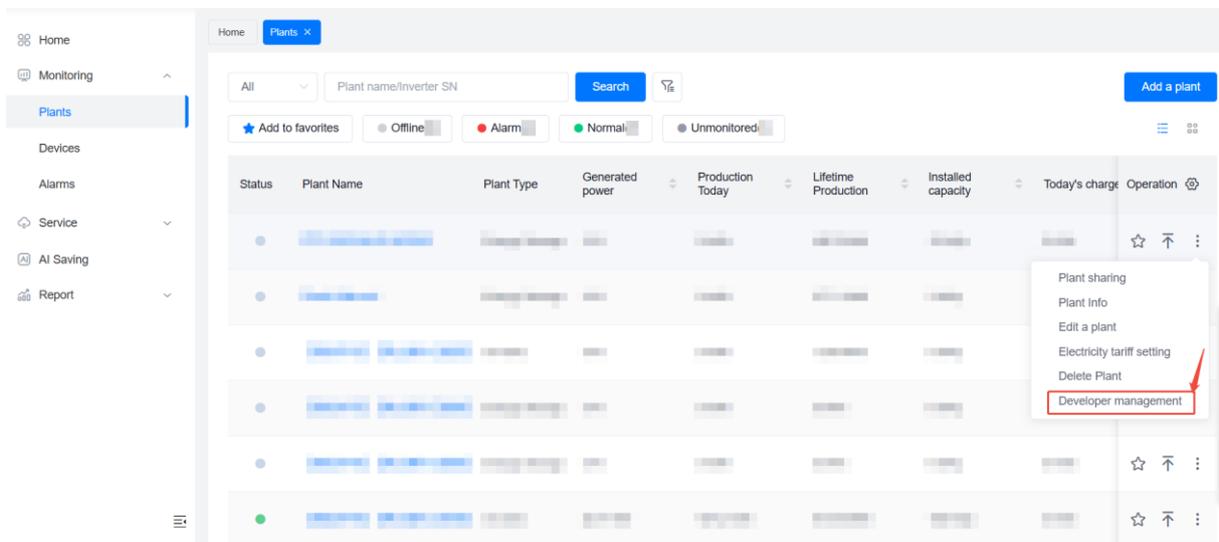


## You are the owner of the plant

We provide both web portal and APP authorization functions, you can log in at either end and follow below steps.

### 1. Web portal

#### 1.1. Enter the plant list and find the developer management option.



**1.2. In the Developer management menu, enter the corresponding developer ID, which can be obtained from the developer.**

Third-party developer

Third-party developer not added yet

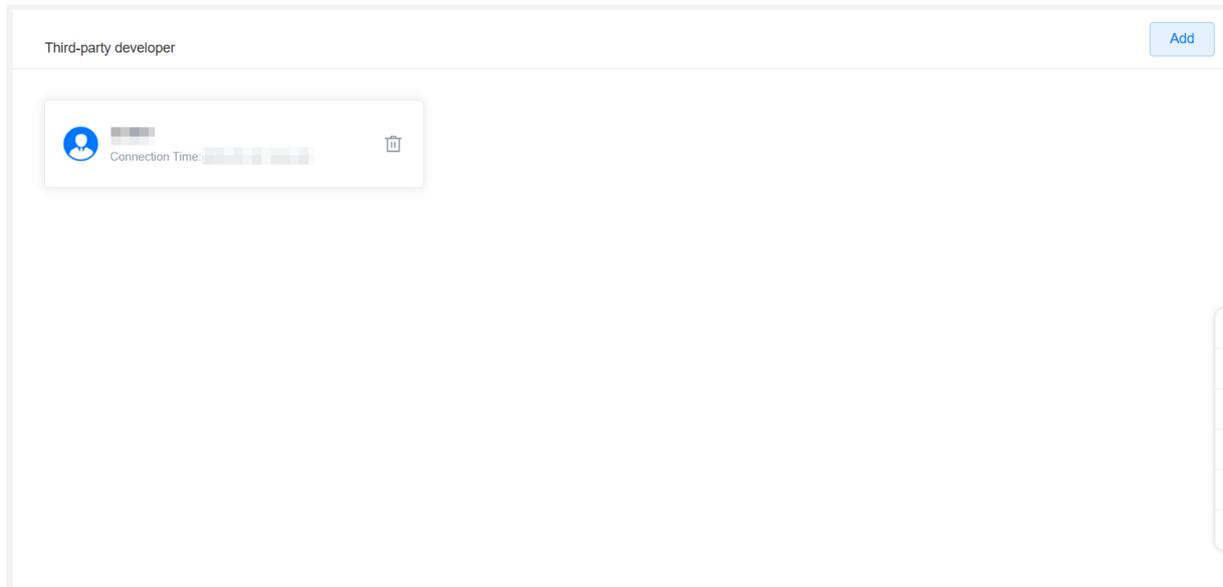
Add

**1.3. After submitting the developer ID, check the developer information and confirm after it is correct.**

The screenshot displays a web application interface. At the top, there are navigation tabs: 'Home', 'Plants', and 'Developer man...'. Below these, a sidebar contains the text 'Third-party developer'. A modal dialog titled 'Add' is open in the center. The dialog contains the following elements:

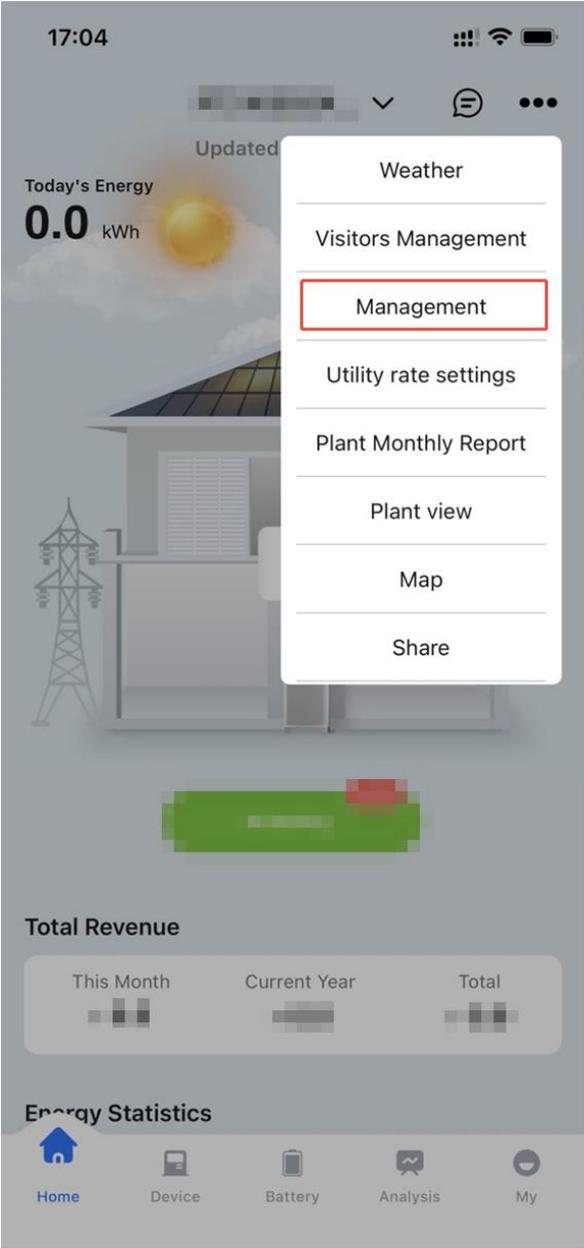
- A label 'Find Developer ID' with a help icon.
- An input field containing a blurred developer ID, highlighted with a red rectangular border.
- A blue 'Search' button.
- A label 'Full name of the developer' above a text input field.
- A label 'Developer abbreviation' above a text input field.
- A label 'Developer Contact' above a text input field.
- At the bottom, there are two buttons: a grey 'Cancel' button and a blue 'Confirm' button.

**1.4. The resource is successfully authorized to a third-party developer, and subsequent management can take place here.**

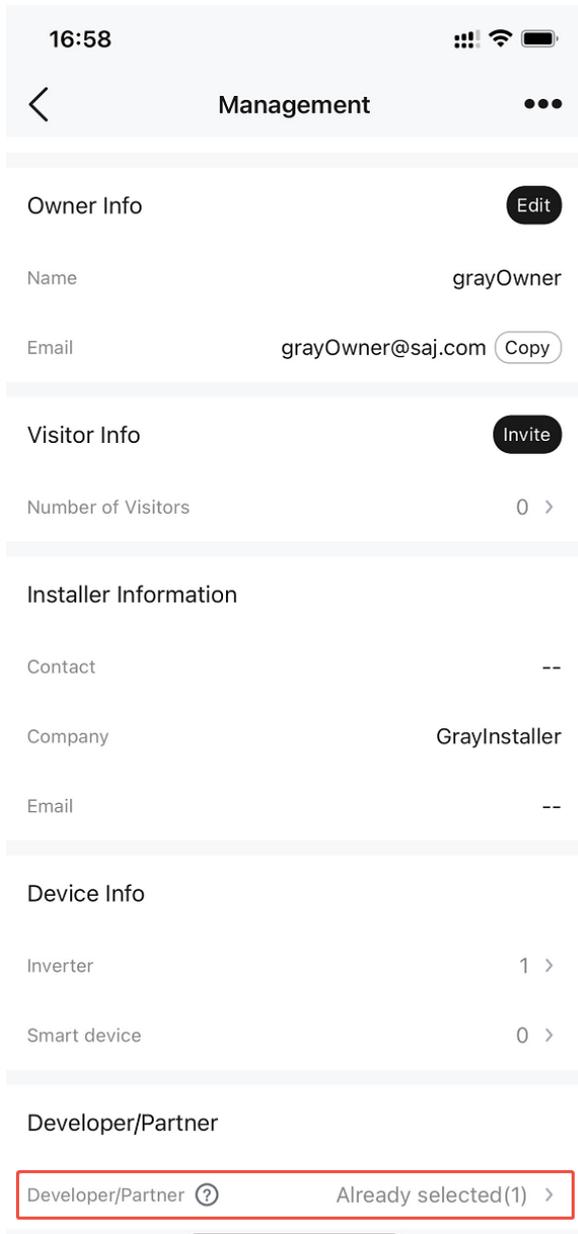


# 2. APP

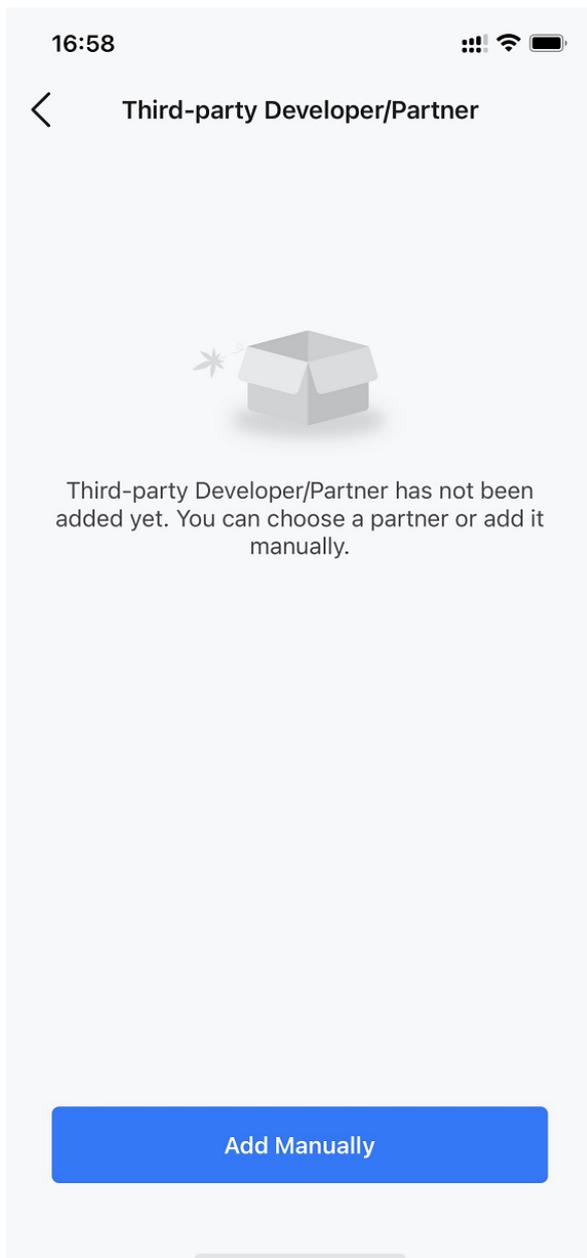
## 2.1. Find the management menu on the plant home page.



## 2.2. Enter the plant management menu and find the Developer management entrance.



### 2.3. Enter the corresponding developer ID, which can be obtained from the developer.



**2.4. After submitting the developer ID, check the developer information and confirm after it is correct.**

16:59

Developer Authorization

Find Developer ⓘ

Query

Developer Full Name

Developer Short Name

Developer Contact Person

Confirm

**2.5. The resource is successfully authorized to a third-party developer, and subsequent management can take place here.**

