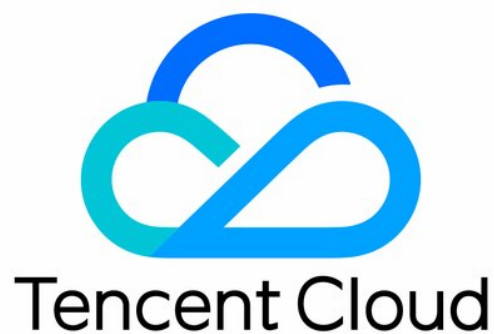


# **Tencent Cloud Mini Program Platform**

## **About Platform Prerequisites Product Documentation**



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# About Platform Prerequisites

Last updated : 2024-05-10 16:13:54

## 1. Understanding Platform Roles and Permissions

### 1.1. Role and Permission Description

#### Super Administrator

**Role Overview:** The highest authority within the company, which is existent and unique.

**Scope of Permission:** Possesses all functional permissions, capable of adding personnel teams, assigning any role and joining any team, and authorized to approve the joining information of registered members.

#### Platform Administrator

**Role Overview:** Can only be set by the Super Admin (multiple platform administrators allowed), equivalent to the management team of a company.

**Scope of Permission:** Inheriting the Super Admin's permissions but only applicable to the roles of team administrators and regular users.

#### Team administrator

**Role Overview:** Can be added or set as an administrator (or multiple administrators) by the Super Admin or Platform Administrator (multiple allowed), equivalent to the team administrator of a company.

**Scope of Permission:** Can add regular members, set roles for regular members, apply to join other teams, and approve registration information for new members.

#### Team Operator

**Role Overview:** Primarily responsible for internal operations within the affiliated team, requiring approval from the Team Administrator.

**Scope of Permission:** Can add new applications, handle the review process for Mini Program launches, but cannot review registration information for new members.

#### Team Developer

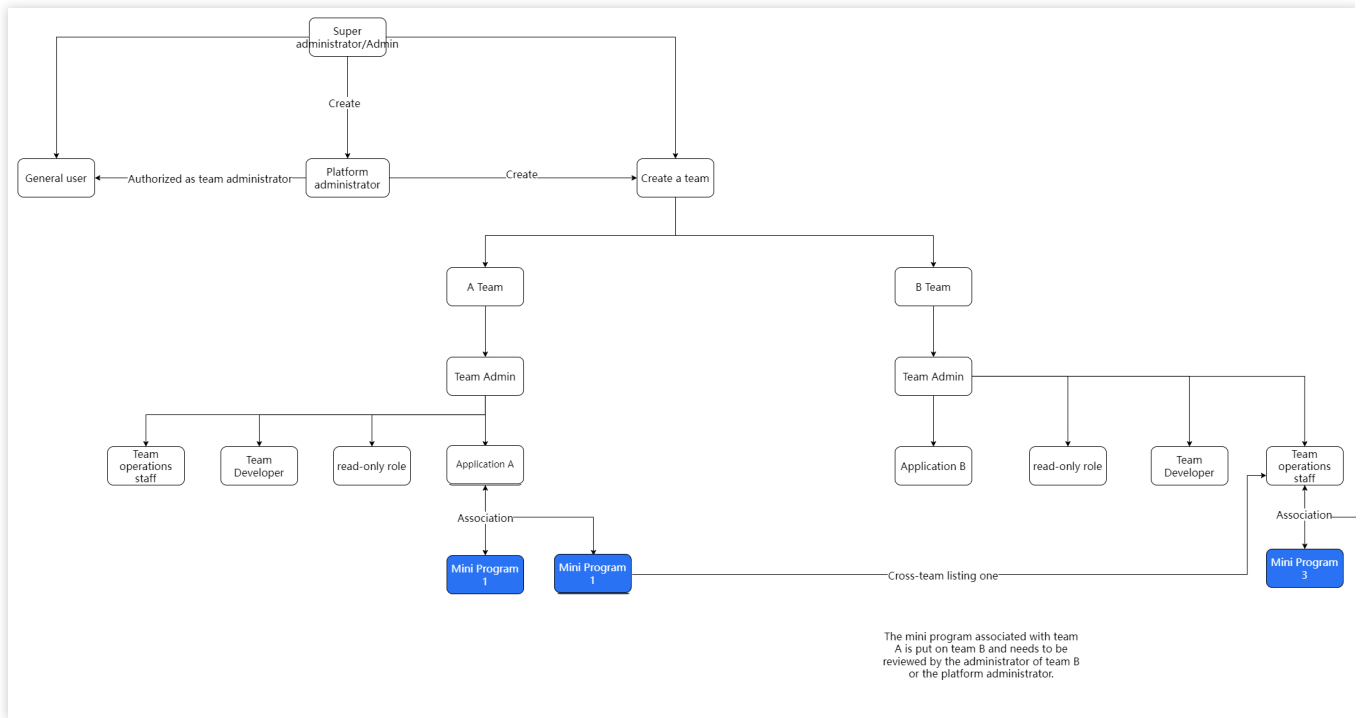
**Role Overview:** Primarily responsible for internal operations within the affiliated team, requiring approval from the Team Administrator.

**Scope of Permission:** Can write Mini Program code, associate applications with Mini Programs, submit Mini Programs for review, but cannot approve registration information for new members.

#### Read-Only Role

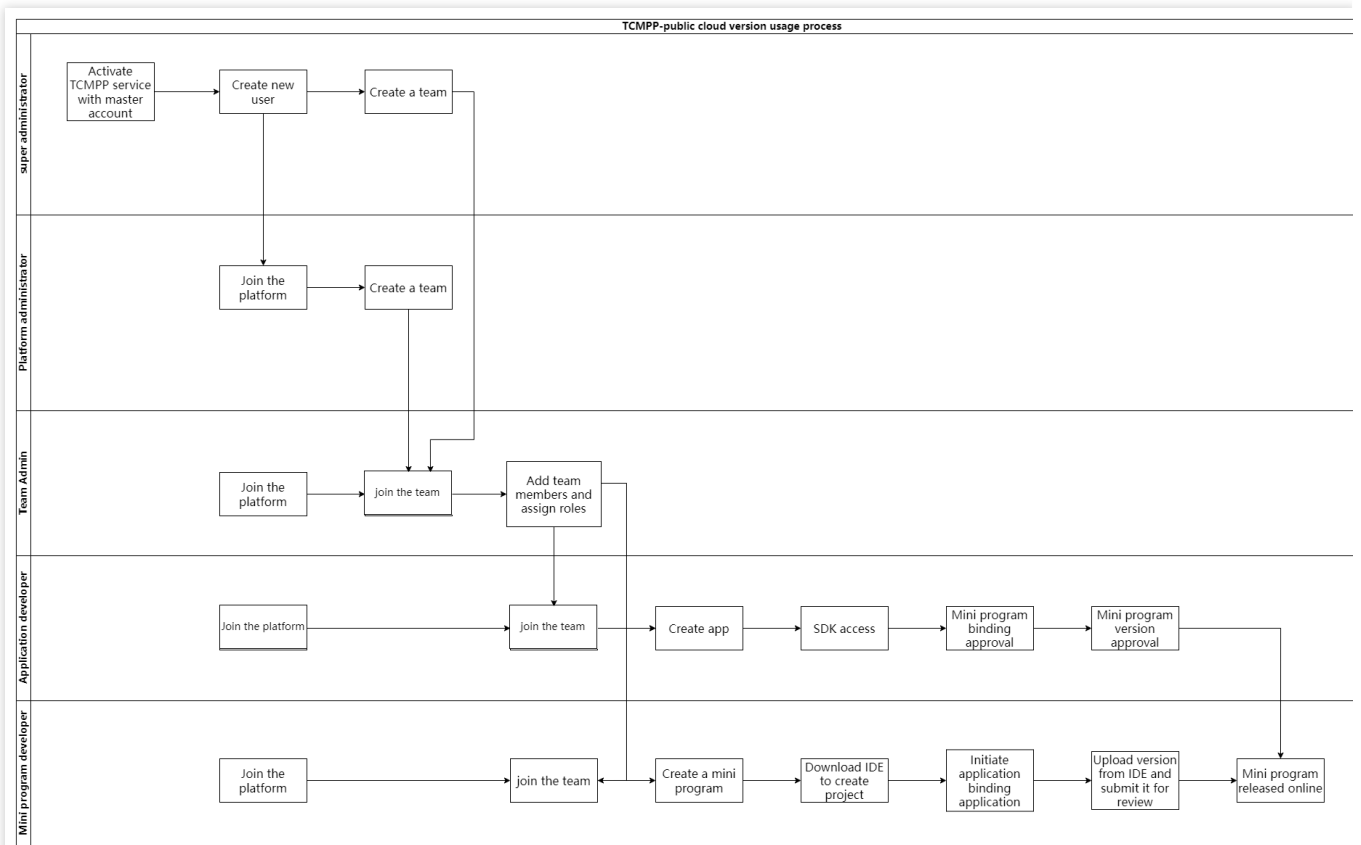
**Role Overview:** Primarily used by auditing and inspection personnel, providing permission to view data only.

### 1.2. role relationship diagram



## 2. Access process

The Tencent Cloud Mini Program Platform (TCMPP) empowers enterprises technical capabilities for mini program development, testing, release, operations, and application integration into the mini program container. The following figure shows the entire process from the TCMPP activation to the mini program release in your own application.



The following describes how to get started with TCMPP.

### 3. Enterprise super administrator

#### 3.1. Preparation

In order to use product platform services, please follow the following steps: First, the super administrator within the enterprise needs to [register a Tencent Cloud account](#) and log in to the Tencent Cloud console for [Identity Verification Guide](#). Then log in to the [product console](#) and **complete the service authorization**, and you can experience the product capabilities for free (public cloud users can experience it directly, and privatized users can contact the sales staff for details and purchase the required services).

### Service Authorization

The features of other Tencent Cloud services will be used when you perform operations related to this service. You need to create a Service-Linked Role for **TCMPP** and authorize it to call the APIs of other Tencent Cloud services.

Role Name	TCMPP_QCSLinkedRoleInUserManage (Service-Linked Role)
Description	The current role is the TCMPP service linked role, which will access your other service resources within the scope of the permissions of the associated policy.
(Preset) Permissions Policy	QcloudAccessForTCMPPLinkedRoleInUserManage ⓘ

[Grant](#)[Cancel](#)

## 3.2. Create users and teams

Teams within TCMPP can be used to mark and manage a group of users, Mini Programs, and applications. Enterprises can leverage teams to efficiently manage personnel and resources belonging to different business lines. Data is isolated between different teams, but cross-team associations of Mini Programs and applications are allowed. Both super administrators and platform administrators can create, edit, and delete teams.

In the console menu, navigate to **Team Management > Team List**. Upon entering the page, if no teams have been previously created on the platform, you can click **Create New Team** in the center of the page to start adding a team.

### 3.2.1. Create teams

In the left menu of the console, locate **User Management > User List**. Upon opening the page, click **Create New User** in the upper left corner to start adding users.

**Username:** Used for user identity recognition and search.

**Login account:** The account used by the user for login.

**Login password:** The password used by the user for login. Depending on the selection, the platform can generate it automatically, or it can be manually entered by the administrator.

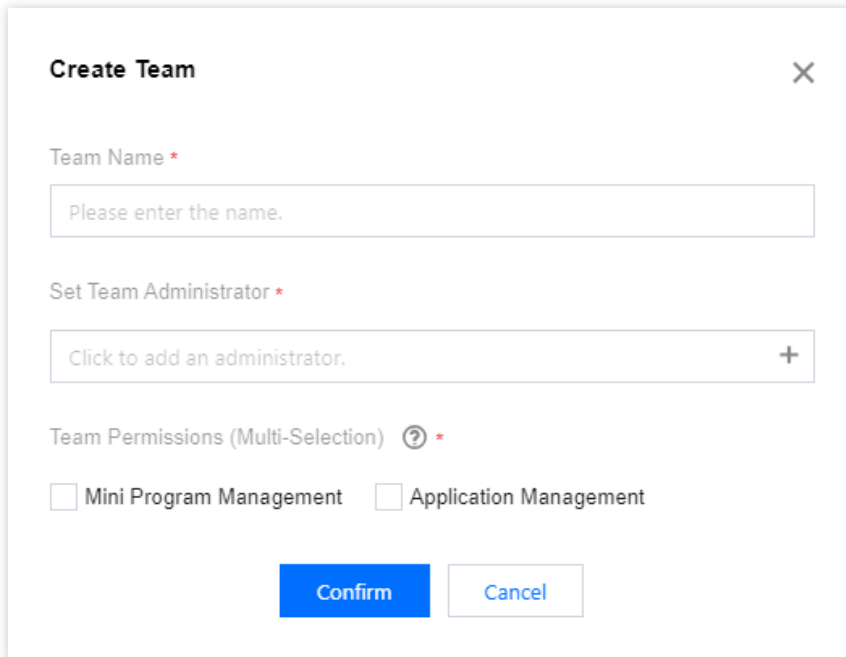
**Team permissions:** You can designate the user as either a platform administrator or a regular member. A platform administrator can manage all teams, resources, and regular members on TCMPP, but they cannot manage super administrators or other platform administrators. Regular members can gain partial resource management permissions by joining a team and assuming a team role.

**Team Name:** Used for internal identification and search within the platform.

**Set Team Administrator:** You can select one ordinary user to serve as the team administrator. Super administrators and platform administrators cannot join a team or serve as a team administrator. An ordinary user can simultaneously serve as the team administrator for multiple teams.

**Team permissions:** You can select the permissions to be assigned to the team, with at least one item needing to be selected, or both items can be selected. Teams with Mini Program management permissions can create and manage

Mini Programs, while teams with application management permissions can integrate and manage applications. Once a team is created, changes to team permissions are temporarily unsupported.



**Create Team** [X]

Team Name \*

Please enter the name.

Set Team Administrator \*

Click to add an administrator. +

Team Permissions (Multi-Selection) ? \*

Mini Program Management  Application Management

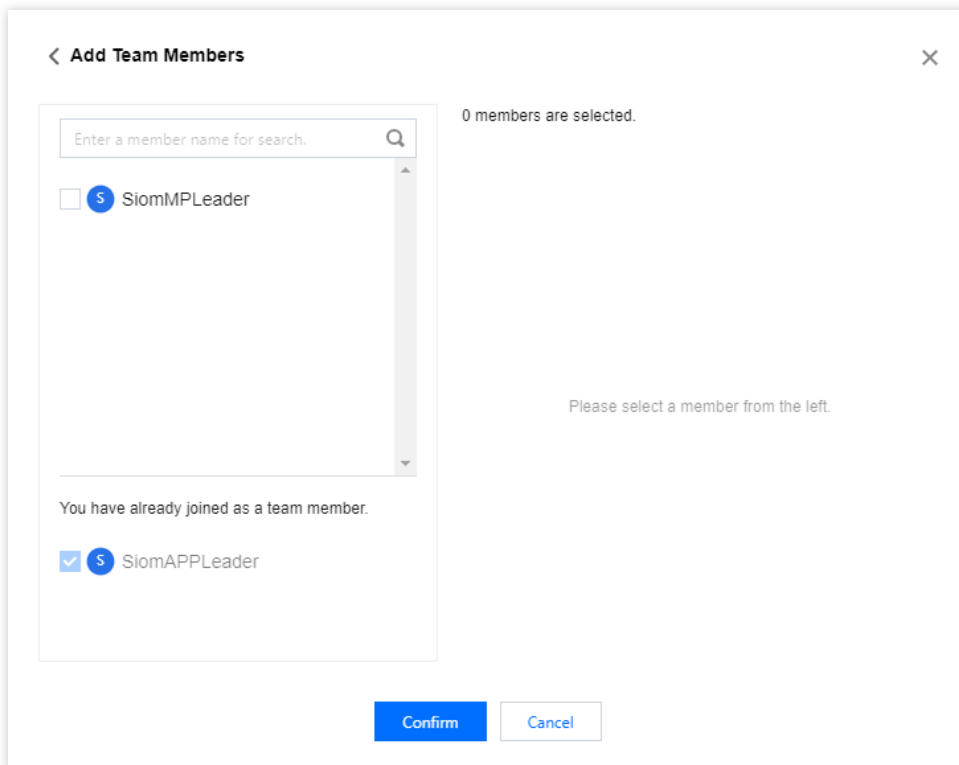
Confirm Cancel

### 3.2.2. Add existing members

In the left menu of the console, locate **Team Management** > **Member Management**. By clicking **Add Team Member** in the upper left corner, you can select existing regular users on the platform to join the team.

Select the Affiliated Team: Choose the target team to which members need to be added.

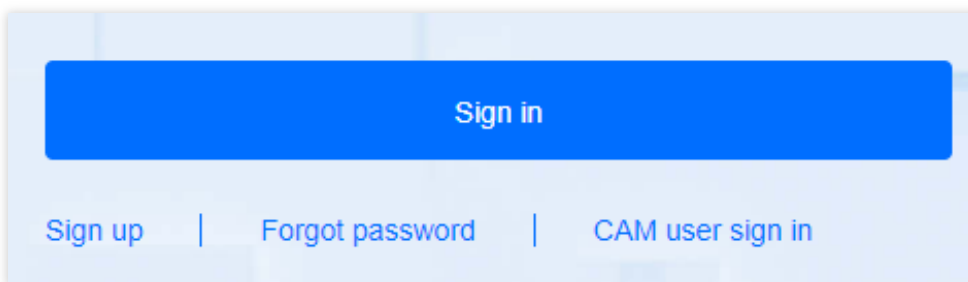
Select Members: Clicking will open a selection box for adding team members, where users can be selected to join the team. Simultaneously, the administrator must assign team roles to the newly joined team members. For a detailed explanation of roles, see [Role and Permission Description](#).



### 3.2.3. Add User

#### Attention :

After selecting the sub-user to log in, the sub-user can directly log in using the **enterprise super administrator ID + sub-user account name + sub-user password**.



In the left menu of the console, locate **Team Management > Member Management**, click **New Member** in the upper left corner to create a new user on the platform and add them to the team at the same time. Users created through this method can only be ordinary members of the platform. Administrators still need to fill in the user name, login account, login password, team and team role.

However, if you click New User in the upper left corner of the User **Management > User List page** in the left menu of the console, the account created in this way will be generated under your Tencent Cloud account in the form of a sub-user.

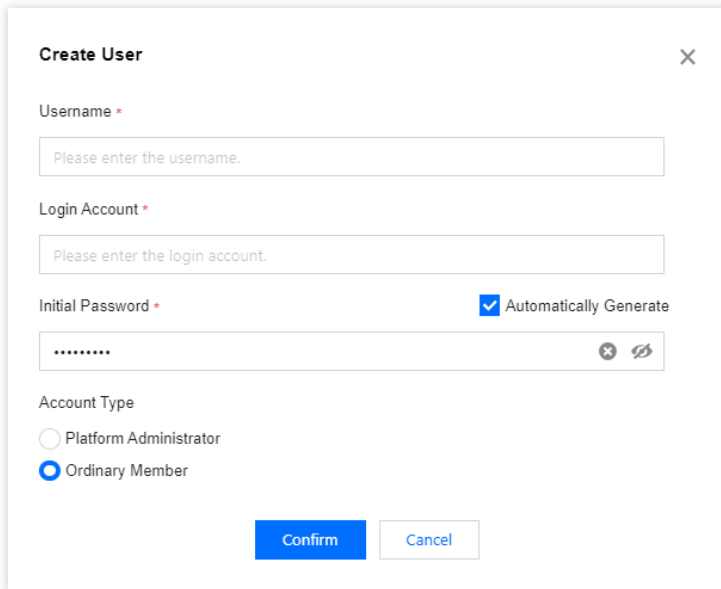
Username: Used for user identity recognition and search.

Login account: The account used by the user for login.



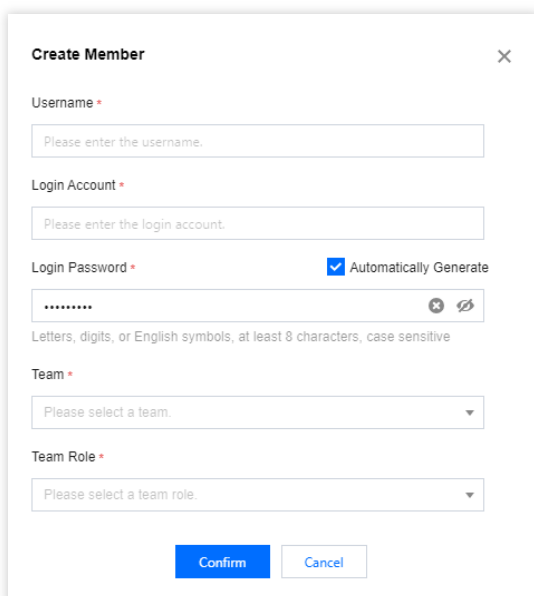
**Login password:** The password used by the user for login. Depending on the selection, the platform can generate it automatically, or it can be manually entered by the administrator.

**Account Type:** You can designate the user as either a platform administrator or a regular member. A platform administrator can manage all teams, resources, and regular members on TCMPP, but they cannot manage super administrators or other platform administrators. Regular members can gain partial resource management permissions by joining a team and assuming a team role.



The 'Create User' dialog box contains the following fields and options:

- Username \***: Text input field with placeholder 'Please enter the username.'
- Login Account \***: Text input field with placeholder 'Please enter the login account.'
- Initial Password \***: Password input field with placeholder '.....', a 'Generate' icon, and a 'Copy' icon. A checked checkbox labeled 'Automatically Generate' is positioned to the right.
- Account Type**: Radio button selection with two options: 'Platform Administrator' (unselected) and 'Ordinary Member' (selected).
- Buttons**: 'Confirm' and 'Cancel' buttons at the bottom.



The 'Create Member' dialog box contains the following fields and options:

- Username \***: Text input field with placeholder 'Please enter the username.'
- Login Account \***: Text input field with placeholder 'Please enter the login account.'
- Login Password \***: Password input field with placeholder '.....', a 'Generate' icon, and a 'Copy' icon. A checked checkbox labeled 'Automatically Generate' is positioned to the right.
- Help Text**: 'Letters, digits, or English symbols, at least 8 characters, case sensitive' located below the password field.
- Team \***: Dropdown menu with placeholder 'Please select a team.'
- Team Role \***: Dropdown menu with placeholder 'Please select a team role.'
- Buttons**: 'Confirm' and 'Cancel' buttons at the bottom.

### 3.3. Approval of applications for mini program version release

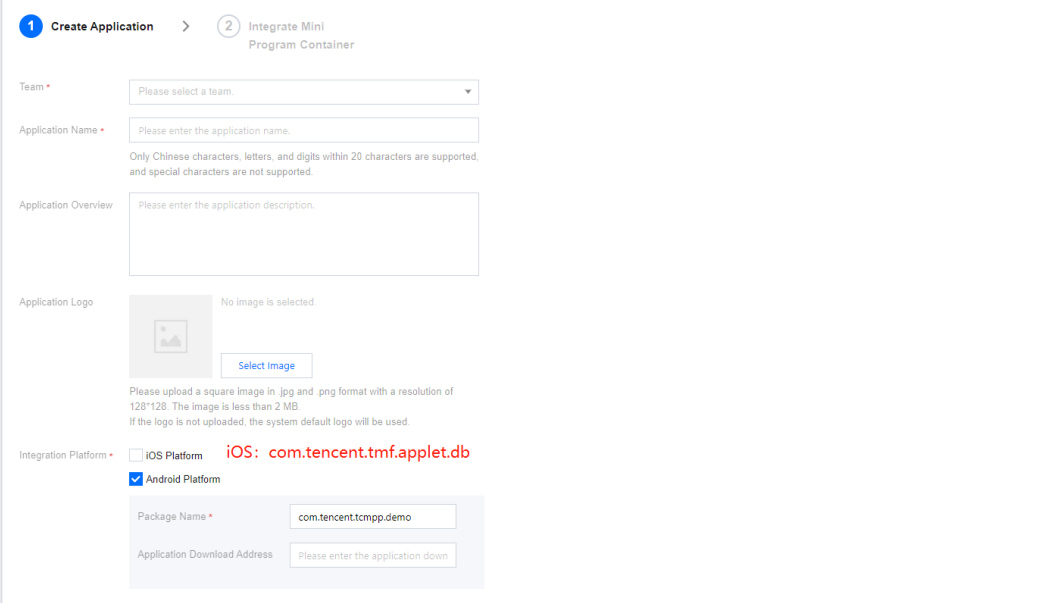
Enterprise platform administrators need to serve as reviewers for approval when the mini program is released.

## 4. Operations team

### 4.1. Create app

1. Corporate operators can create an application via the **Application Homepage** by clicking the **Connect With Application** button. In the first step, fill in the basic application information, such as the iOS Bundle ID [**com.tencent.tmf.applet.db**] or the Android Package Name [**com.tencent.tcmpp.demo**].

**Step 1: Fill in the basic application information.**



1 Create Application > 2 Integrate Mini Program Container

Team \*

Application Name \*   
Only Chinese characters, letters, and digits within 20 characters are supported, and special characters are not supported.

Application Overview

Application Logo   
  
Please upload a square image in .jpg and .png format with a resolution of 128\*128. The image is less than 2 MB.  
If the logo is not uploaded, the system default logo will be used.

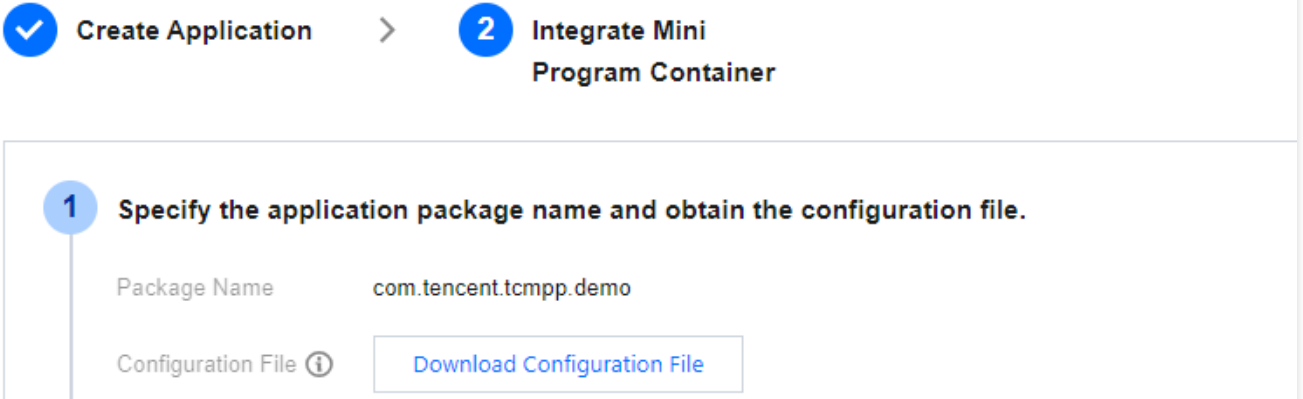
Integration Platform \*  iOS Platform **iOS: com.tencent.tmf.applet.db**  
 Android Platform

Package Name \*

Application Download Address

[Next Step, Integrate the Mini Program Container](#)

2. Upon clicking **Next, Integrate Mini Program Container**, a configuration file will be made available for download. This file will be used in subsequent steps, so please ensure to save it (you can also obtain it from the "View Details" section).

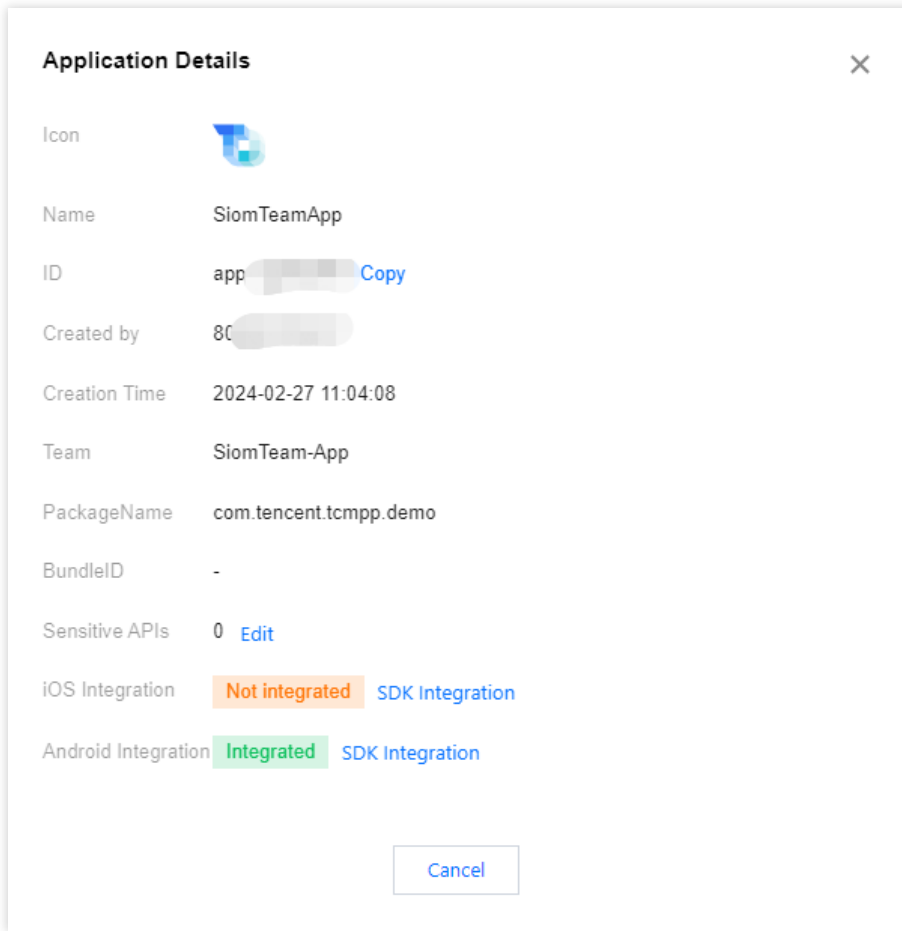


1 Create Application > 2 Integrate Mini Program Container

1 **Specify the application package name and obtain the configuration file.**

Package Name

Configuration File ⓘ



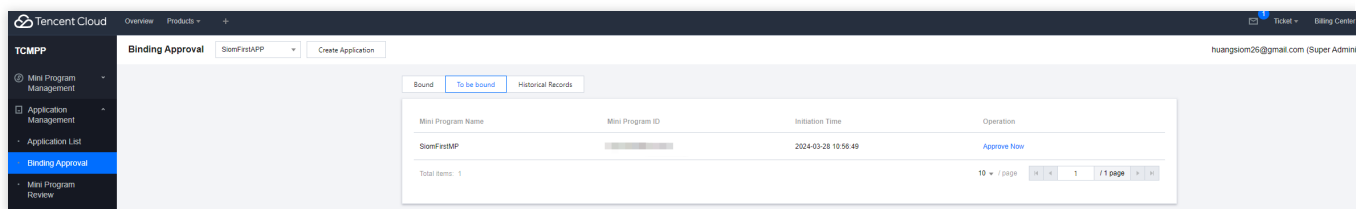
## 4.2. Approval of applications for mini program binding\release

### Notion :

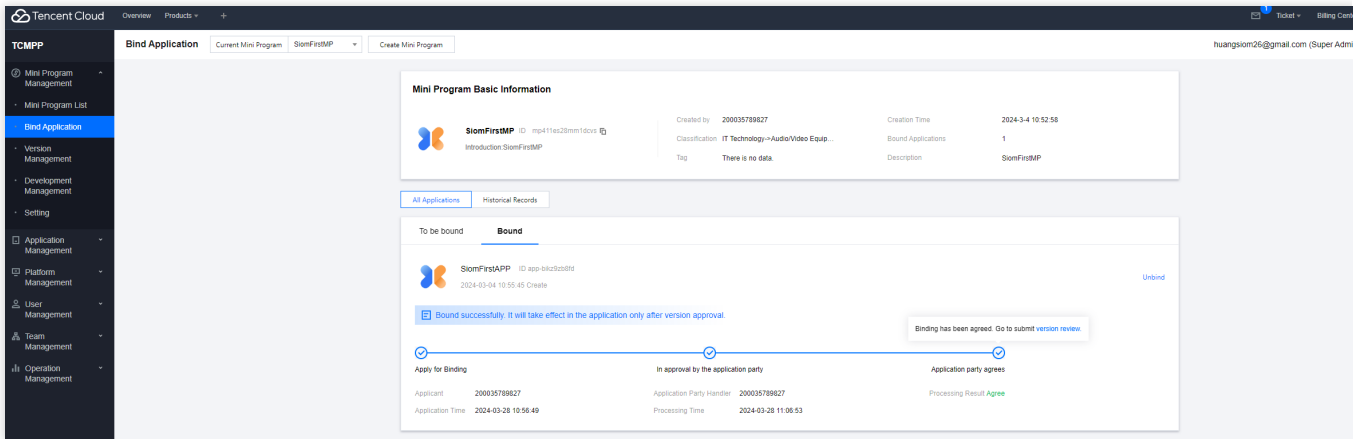
The administrator of the application needs to act as an auditor for approval when the mini program is bound to the application and when the mini program is released.

### 4.2.1. Binding review

1. Enterprise operation personnel can approve the application in the binding approval process.

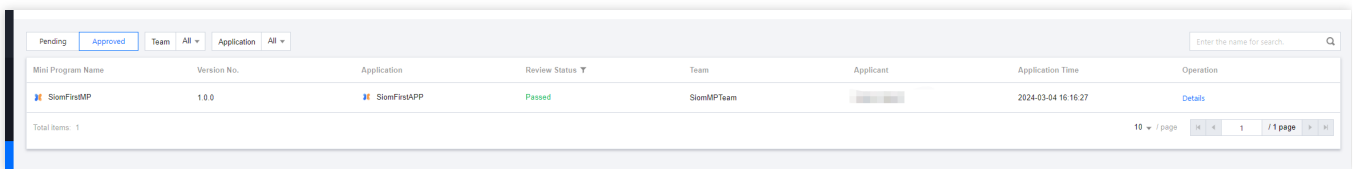


2. After approval, enterprise developers can view the binding status in the binding application.



### 4.2.2. Reviewing mini program version

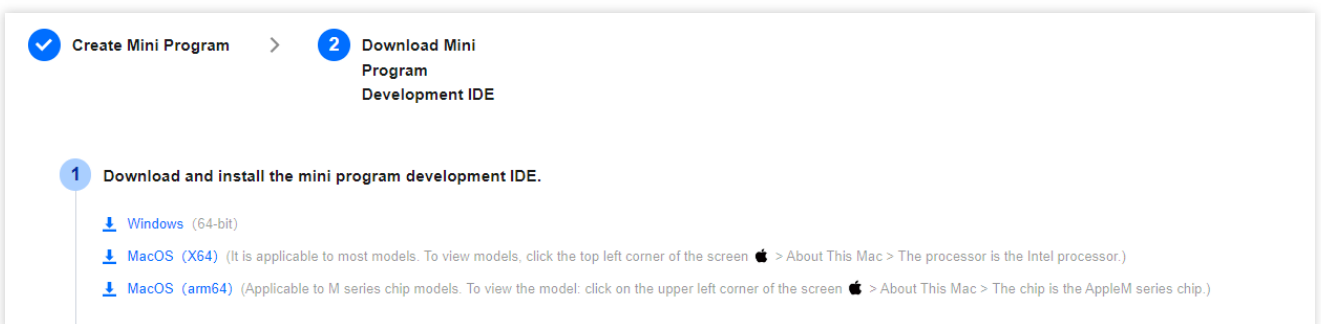
Corporate operations personnel can process mini program version requests in **Mini Program Review**.



## 5. Development team

### 5.1. Creating a mini program

1. Corporate developers can create a mini program via the Mini **Program Homepage** by clicking the "Create Mini Program" button.
2. After clicking Next, enterprise developers can choose to download the latest IDE version on demand in the console, or click the following link to download;

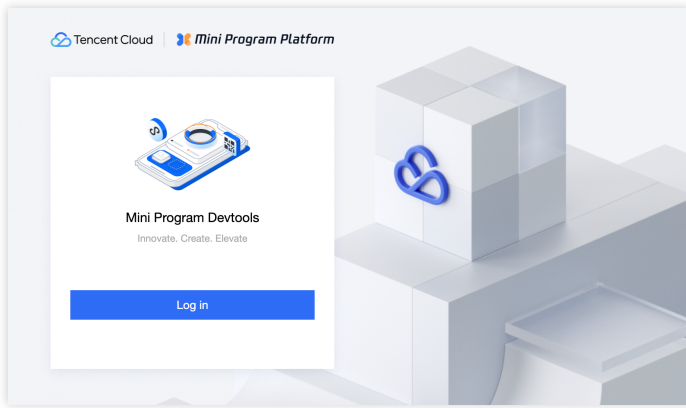


[Windows 7/8/9 \(64-bit\)](#) ;

[MacOS \(X64\)](#) ;

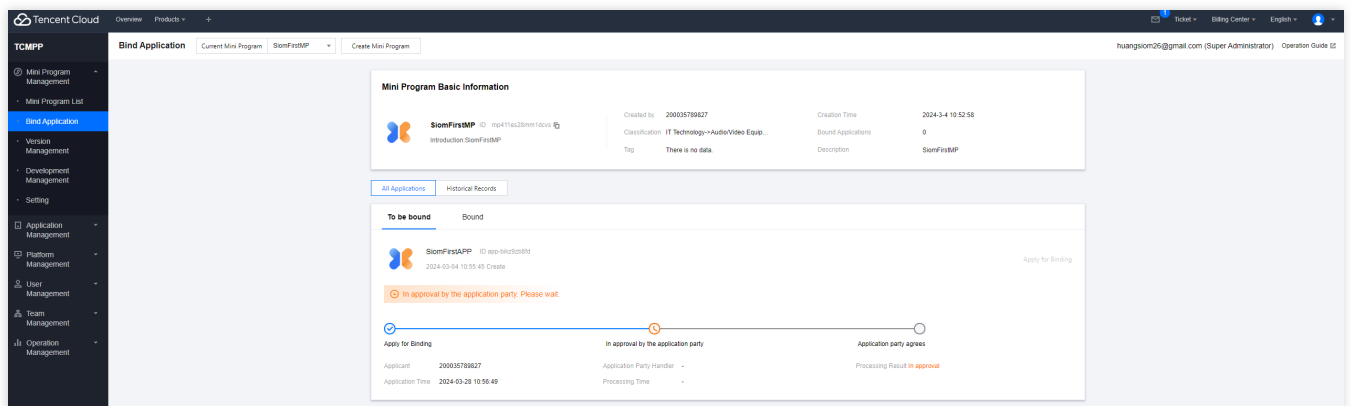
[MacOS \(arm64\)](#) ;

3. After opening the IDE installation file of TCMPP-Devtools\_x64.exe locally, click the desktop icon to enter the IDE homepage and scan the QR code to log in ;



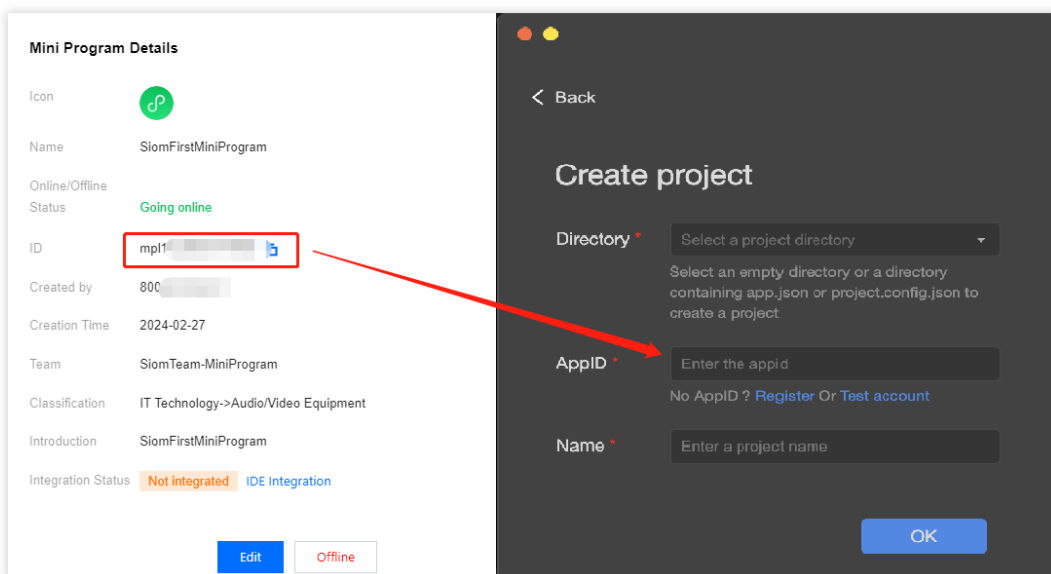
## 5.2. Apply for binding application

Enterprise developers can select the application created in 4.1. [Create app](#) in the binding application to apply for binding.

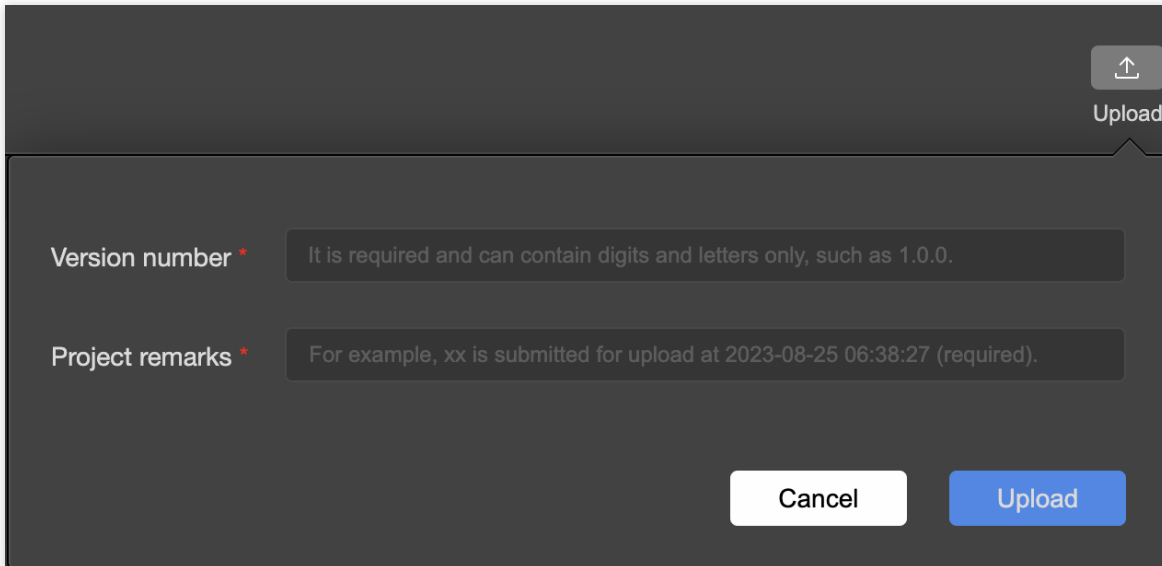


## 5.3. Uploading mini program version (for corporate developers)

1. Upon completing the first three steps mentioned above, corporate developers can create a new project in the IDE (be sure to fill in the mini program's AppID).

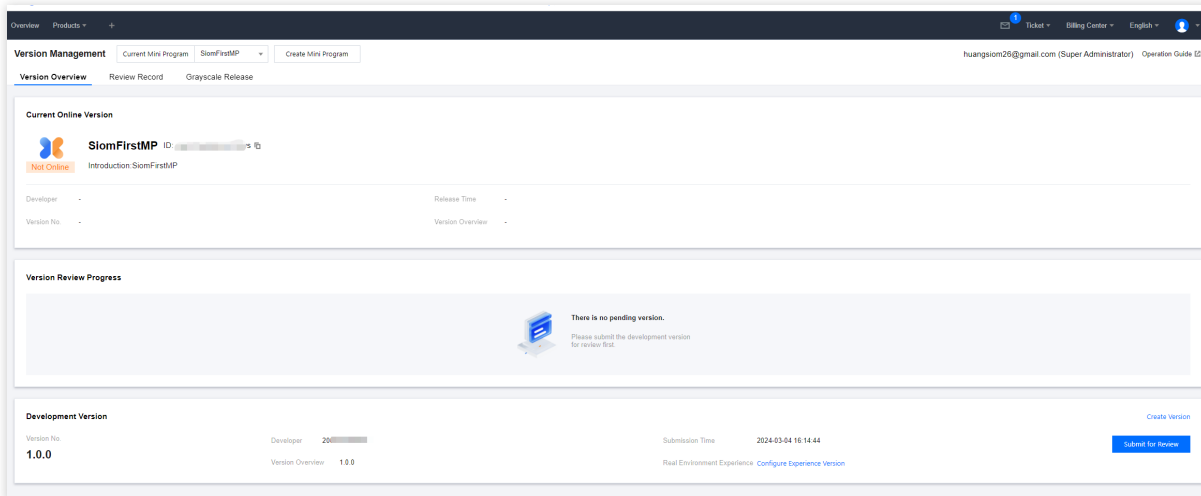


2. After entering the IDE editor, you can directly upload the mini program. Please note that occasional upload failures may occur during this step. In such cases, try uploading multiple times and be patient while waiting for the upload to complete.



The screenshot shows a dark-themed upload form. At the top right, there is an 'Upload' button with an upward arrow icon. Below this, there are two input fields. The first is labeled 'Version number \*' and contains the text 'It is required and can contain digits and letters only, such as 1.0.0.'. The second is labeled 'Project remarks \*' and contains the text 'For example, xx is submitted for upload at 2023-08-25 06:38:27 (required)'. At the bottom of the form, there are two buttons: a white 'Cancel' button and a blue 'Upload' button.

3. After uploading, corporate developers can submit version reviews in **Version Management**.



#### 5.4. Releasing mini program (for corporate developers)

Once approved, corporate developers will be prompted in the "TCMPP development end: Version Management", that they can release the new version of the mini program online.

**Version Management** Current Mini Program: SiomFirstMP Create Mini Program huangsiom26@gmail.com (Super Administrator)

**Version Overview** Review Record Grayscale Release

**Current Online Version**

**SiomFirstMP** ID: mp-... Introduction: SiomFirstMP

Not Online

Developer: ... Release Time: ...

Version No.: ... Version Overview: ...

**Version Review Progress**

1.0.0 The version has been approved and will be put online.

Submit Version Review The review is passed. To be released

Applicant: 20...7 Reviewer: SiomFirstAPP Review Result: Passed

Application Time: 2024-03-04 16:16:27 Approval Sheet ID: aud...

**Development Version**

Version No.: 1.0.0 Developer: 20...7 Submission Time: 2024-03-04 16:14:44

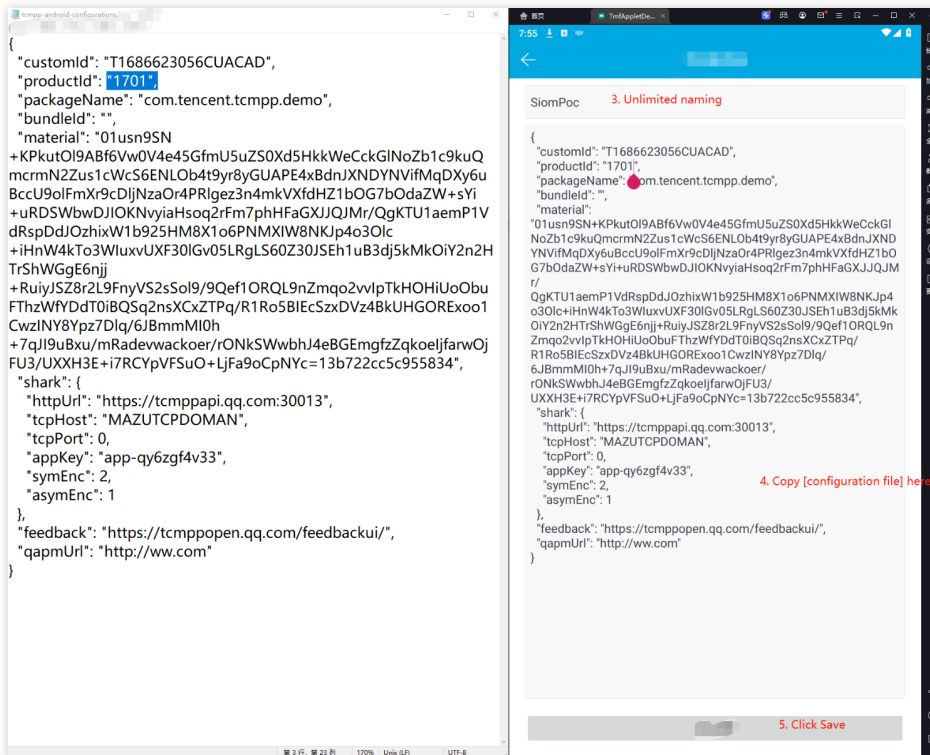
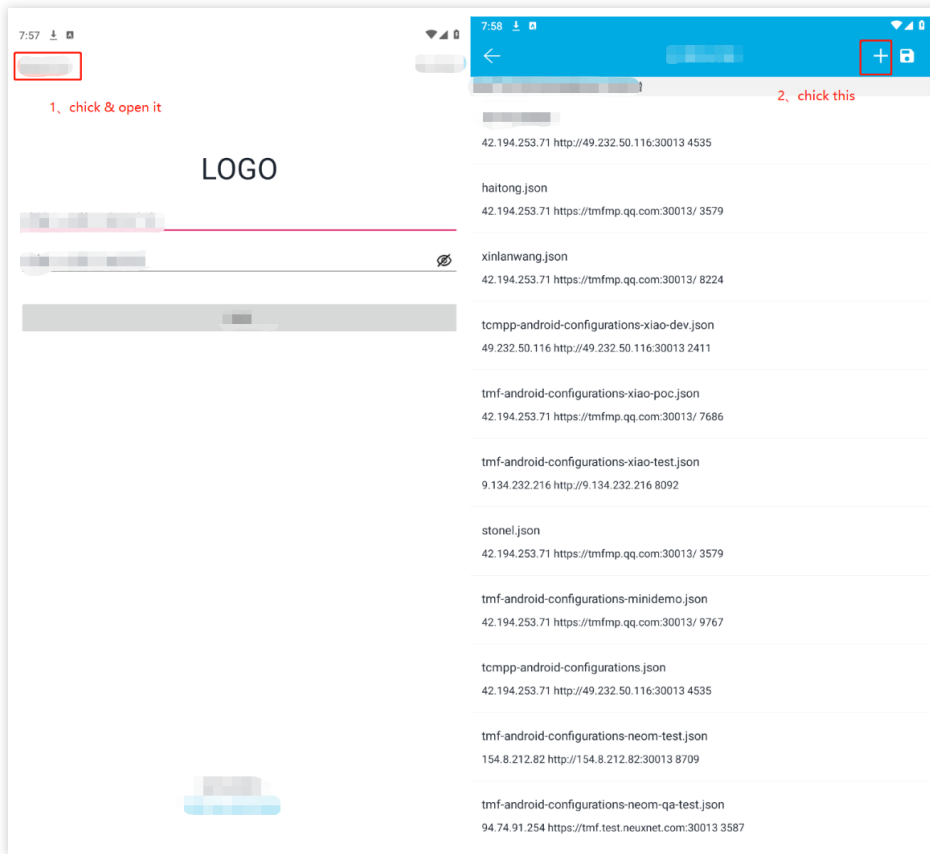
Version Overview: 1.0.0 Real Environment Experience: [Configure Experience Version](#)

## 6. Real Device Preview of Mini Program (Important)

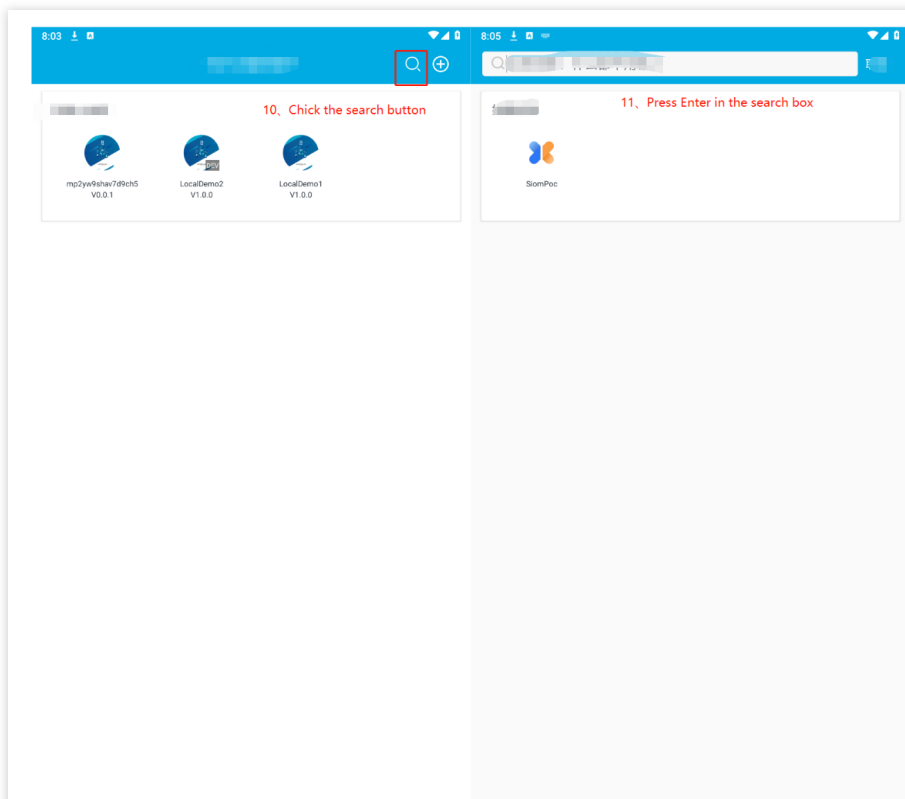
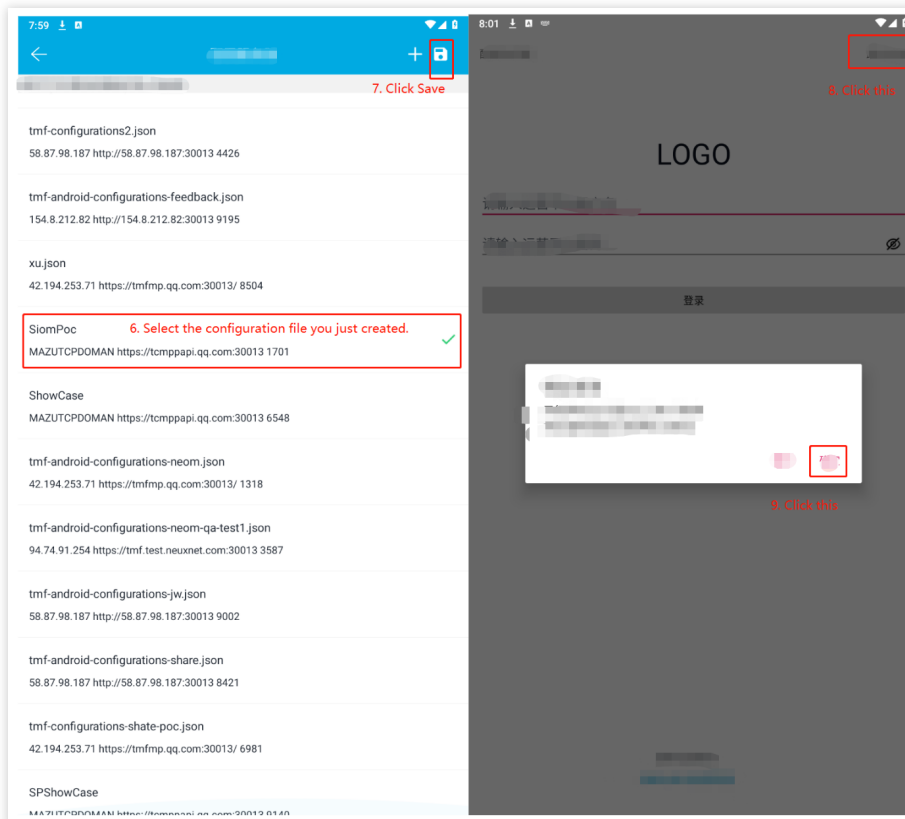
Corporate developers can select "Configure server" in the top left corner of the Demo App. After entering the selected page, click the "Add" button in the top right corner, and copy the configuration file mentioned in "Step 1: Connect with the application" into the text editor. The server name can be filled in at will. After saving the configuration, you need to select the just saved configuration file in the configuration list and click the "Save Icon" button in the top right corner. The Demo App will reset, after which you can click "Skip Login", click the "Search" button at the top, and press the Enter key in the "Input Box". At this point, you can preview the bound mini program.

### 6.1. Android End

Corporate developers can install our trial version of DemoApp (GitHub download link: [Tcmpp-demo-Android](#)) through the simulator.







## 6.2. iOS End

There are two differences between iOS and Android systems, with the rest of the steps remaining consistent: (GitHub download link: [Tcmpp-demo-ios](#))

The language is only available in English and does not support switching between Chinese and English.

After the mini program is released, it can only be found by manually entering the name of the mini program in the search box highlighted in red (note that English mini program names are case-sensitive). If you cannot find the mini program, you can try terminating the program in the backend and then re-entering.

