

LarkTMS Tenant Role User Manual

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V1.0.0	Weijingyuan	1、 Complete the first edition	2024-8-1	
V1.0.1	Weijingyuan	1、 Add remote debugging	2024-8-9	

Preface

1. This operation manual is intended to provide users with a comprehensive and detailed guide to the use of the tenant system of the LARKTMS terminal system. Please read it carefully before use and follow the instructions to ensure the normal operation of the system and data security.
2. The data, screenshots and related descriptions provided in this manual are for reference only. Please refer to the latest version of product or service information for actual use.
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Please fully understand and accept the above terms and conditions while accepting the contents of this manual. We hope this manual will be helpful to you! If you have any questions or encounter difficulties, please feel free to contact our technical support team for further help and support. Enjoy your use!

Welcome to our app! Here's a brief guide on how to make the most of the key features:

1. App Store: This module provides you with a convenient way to manage and use applications. You can add your own apps, categorize existing apps through the category management function, and add Dspread shared apps to your own app store.
2. Device operation: This module provides model management, group management, device management, resource management and firmware management functions. You can manage the models, devices, resources and firmware you own through this module, and can group the devices you own, so as to better manage them.
3. Task center: here, you can push tasks, can push firmware, resources, applications to a single or multiple devices, but also through the arrangement of tasks for multi-task push.
4. Remote cooperation: This module provides functions of remote debugging, electronic fence, intelligent inspection, parameter setting and remote operation.
5. Data center: This module is a display of all the data of the whole system, you can not only see the detailed information of the device, but also the number and time of activated device and active online device. In addition, you can also see the firmware data, resource data, application data and task data that have been successfully pushed and successfully installed to the device.

vendor. Finally, you can also see the page views of each user in your organization and sub-organization to the application center, client and web side.

6. System management: you can add, delete and edit the account of the current organization through this menu; You can also add, edit and delete the sub-agency allocation of the main agency, You can set roles with different permissions and assign them to different accounts through Role management, Notification management can publish notifications to all accounts in the current organization and sub-organization, and edit and delete unpublished notifications, Finally, through log management, you can view the operation records of the current organization, such as who performed what behavior and when.

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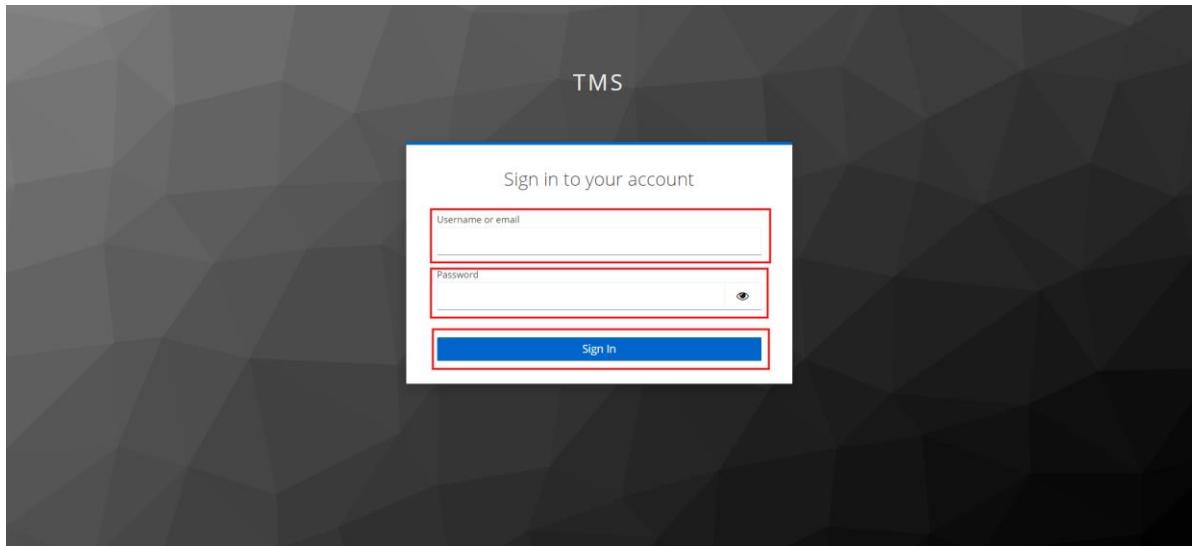
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1. Log in and out

Login process, follow these steps:

1. Open the URL "<https://www.dsreadser.net:9010>" in the browser, and the following is the login screen:



2. Fill in the login information:

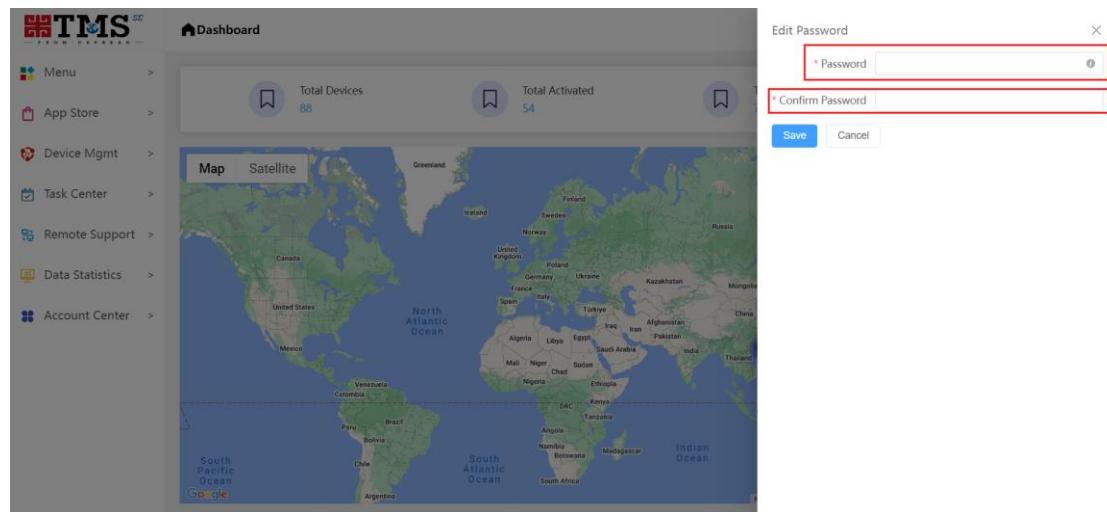
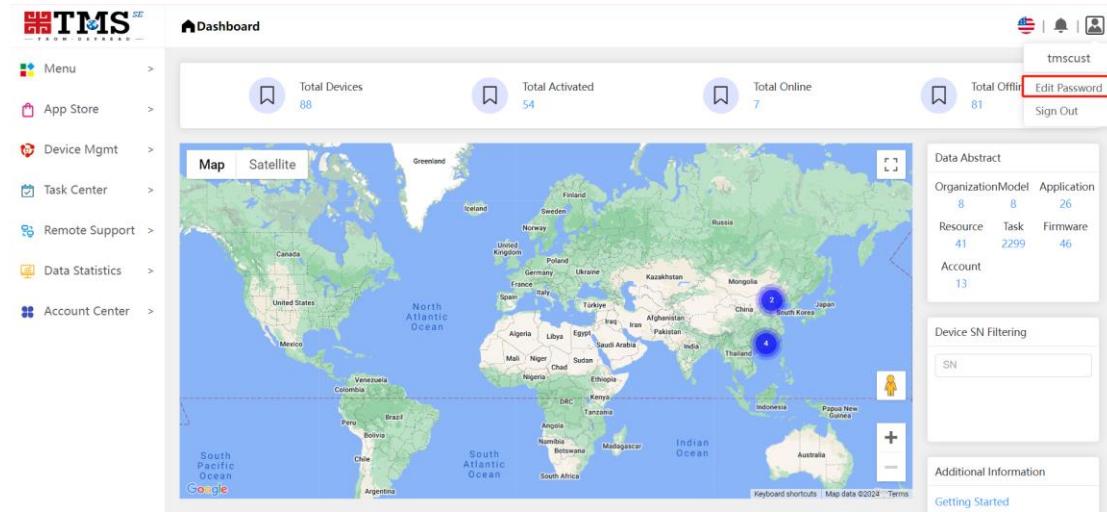
Follow the prompts to enter your account password (**the account may be a username or email address**).

3. Authenticate Login:

Click the "Sign in" button.

Note: After logging in to this system, it will be automatically offline within 24 hours

1.1 Change password

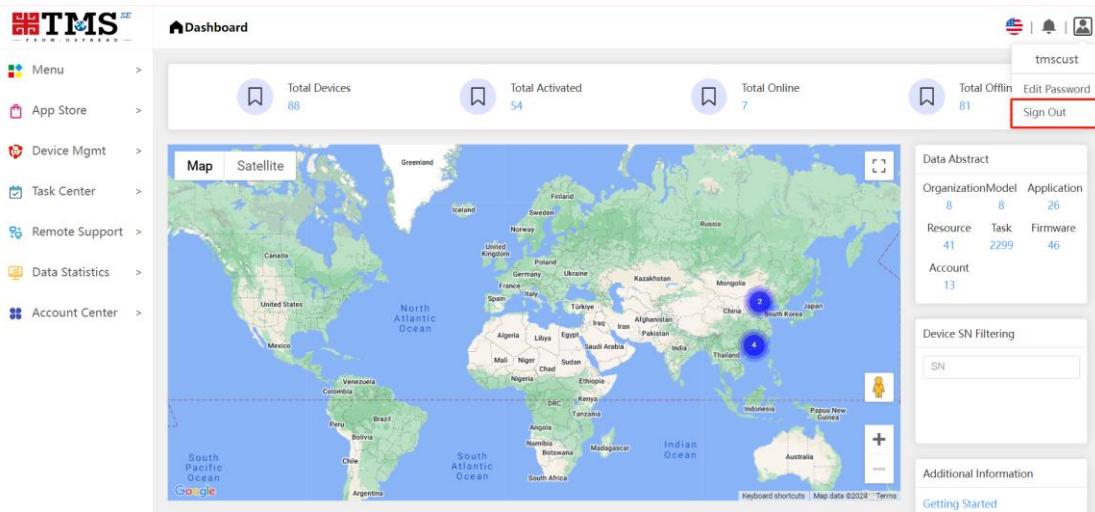


1. After logging in successfully, find the icon in the upper right corner of the Home  , click the "Edit Password" option, and enter the password change interface:

- Enter the "New Password" you set
- Re-enter the "New Password" you set

2. Click "Save".

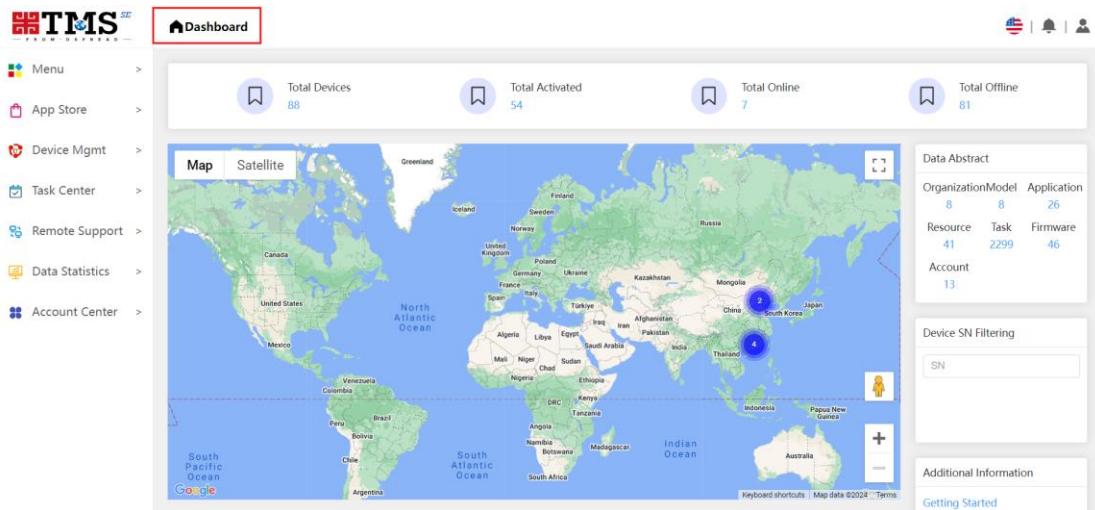
1.2 Sign out



After logging in successfully, find the personal center in the upper right corner of the Home and click the "Sign out" option to log out of the system.

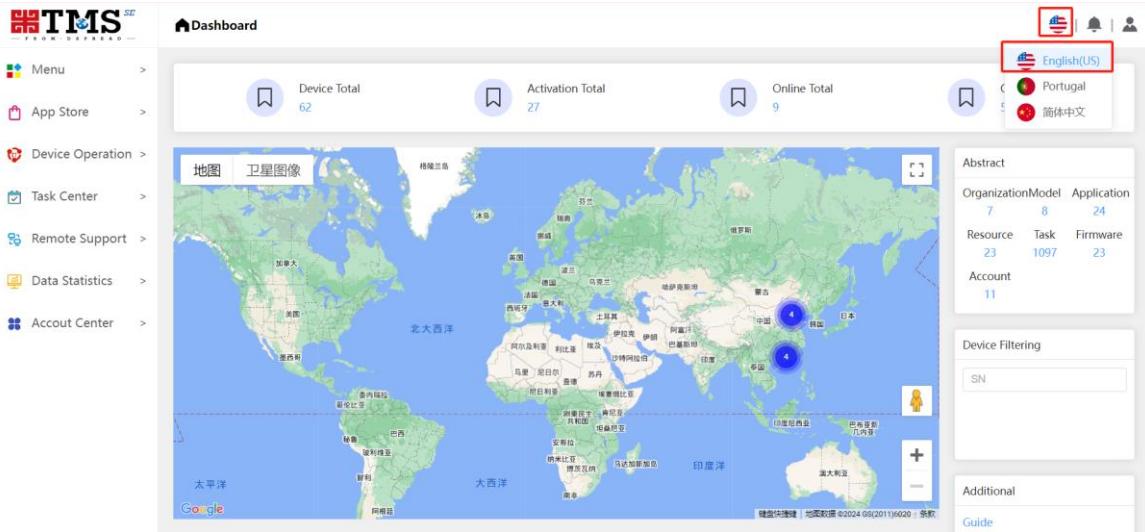


2. Workbench (Home)



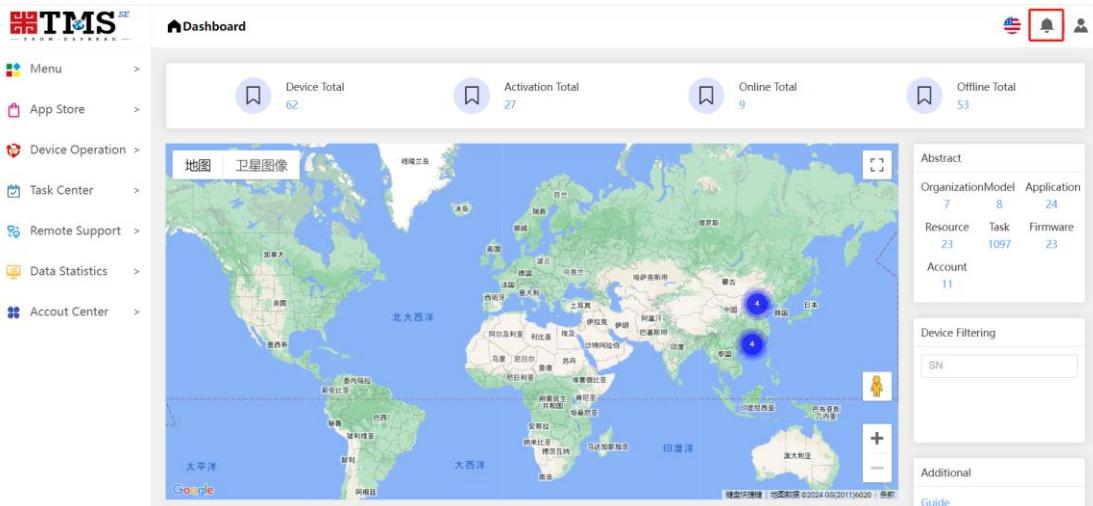
Click on the upper left corner  of the Home to enter the system workbench (Home), where you can view device statistics, data summary, quick device filtering, additional information, device positioning and other information.

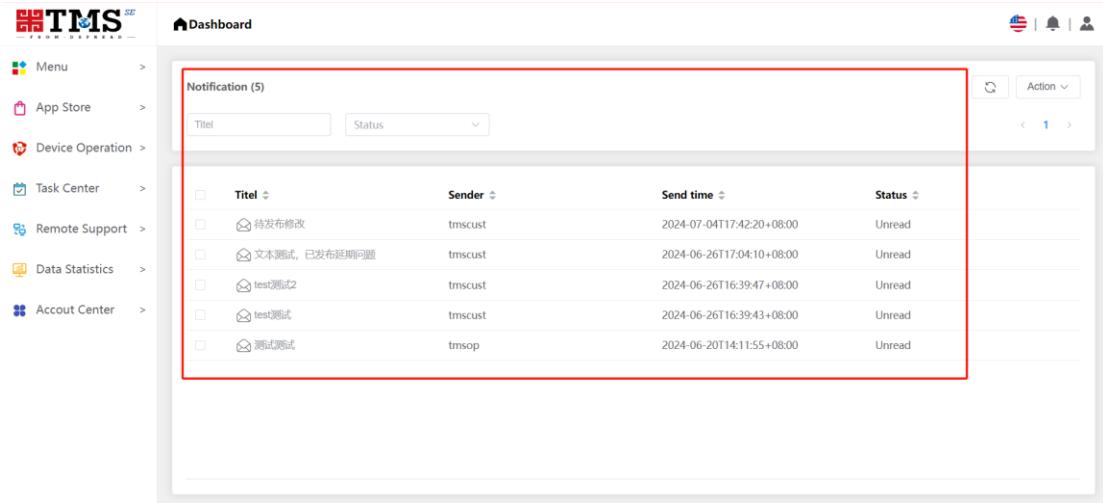
2.1 Language switching



1. After logging in successfully, click the switch language icon in the upper right corner of the Home to enter the switch language drop-down box
2. Select the language type you want to switch

2.2. System notifications



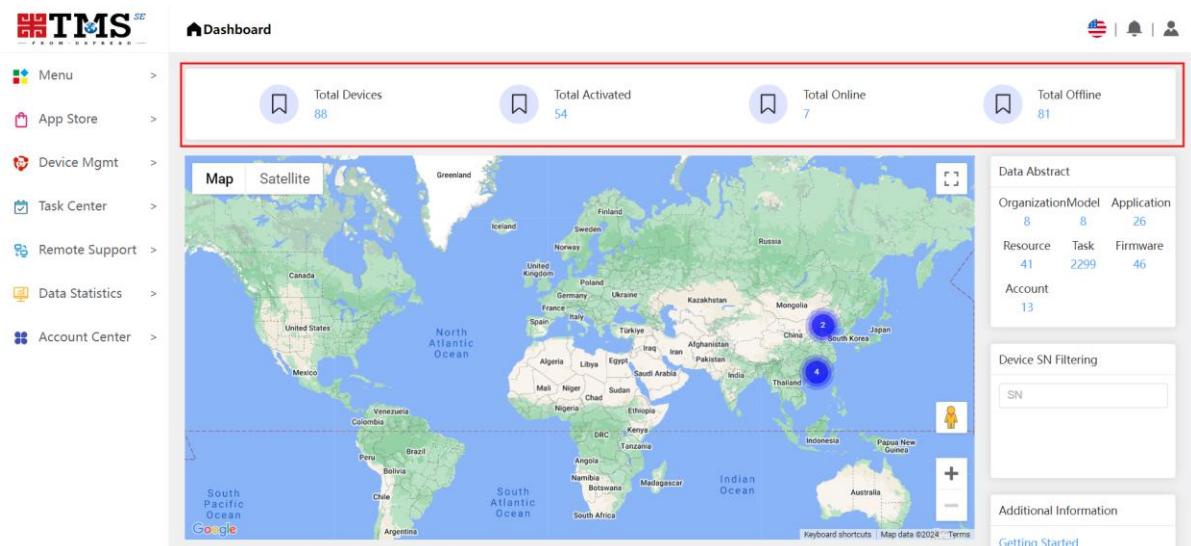


The screenshot shows the LarkTMS dashboard with a red box highlighting the 'Notification' section. The section title is 'Notification (5)'. It includes a search bar with 'Title' and 'Status' dropdowns, and a table with columns: Title, Sender, Send time, and Status. The table contains five rows of notification data.

Title	Sender	Send time	Status
待发布修改	tmscust	2024-07-04T17:42:20+08:00	Unread
文本测试，已发布延期问题	tmscust	2024-06-26T17:04:10+08:00	Unread
test测试2	tmscust	2024-06-26T16:39:47+08:00	Unread
test测试	tmscust	2024-06-26T16:39:43+08:00	Unread
测试测试	tmsop	2024-06-20T14:11:55+08:00	Unread

Click the icon in the upper right corner  of the Home to enter the system notification interface, where you can view notifications sent by other organizations.

2.3 Device statistics



The screenshot shows the LarkTMS dashboard with a red box highlighting the 'Device Statistics' section. The section title is 'Data Abstract'. It includes a map of the world showing device locations and four summary metrics: Total Devices (88), Total Activated (54), Total Online (7), and Total Offline (81). To the right of the map are sections for 'Data Abstract' (OrganizationModel: 8, Application: 26, Resource: 41, Task: 2299, Firmware: 46, Account: 13) and 'Device SN Filtering' (with a search input field).

This page displays the device statistics, and you can click on the number under the corresponding module to jump to the corresponding module, the following fields are introduced:

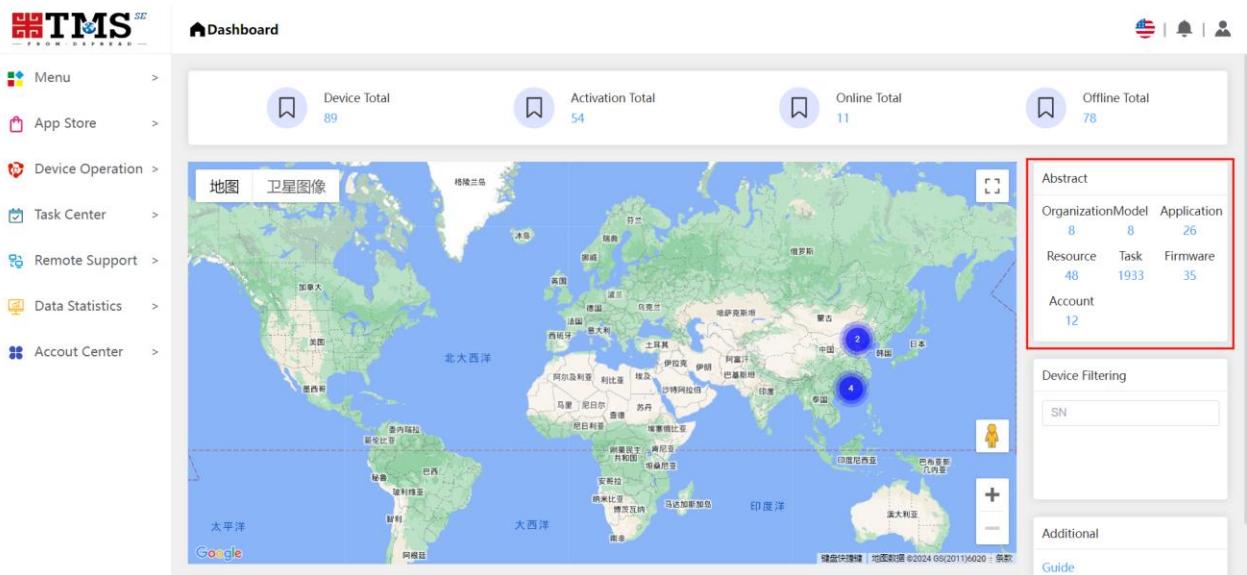
Total Number of Devices: All devices that have been successfully entered in the system.

Activated devices: These devices have been successfully entered in the system and have been successfully connected to the Internet to achieve function activation.

Online devices: These devices have completed the system registration process and have been successfully connected to the Internet, and the connected network is currently online, allowing for interaction and data synchronization.

Offline devices: Although these devices have completed system entry and have been successfully connected to the Internet, they are not currently connected to the network and are offline and cannot interact and synchronize data.

2.4 Data Summary



This page displays the total number of accounts, resources, and tasks under the current organization, and you can click the number under the corresponding data summary to enter the corresponding module, and the fields are described as follows:

Organizations: Statistics on all sub-organizations under the current organization

Models: Collects statistics on all models in the current organization

Applications: Statistics on all applications in the current organization and its sub-organizations

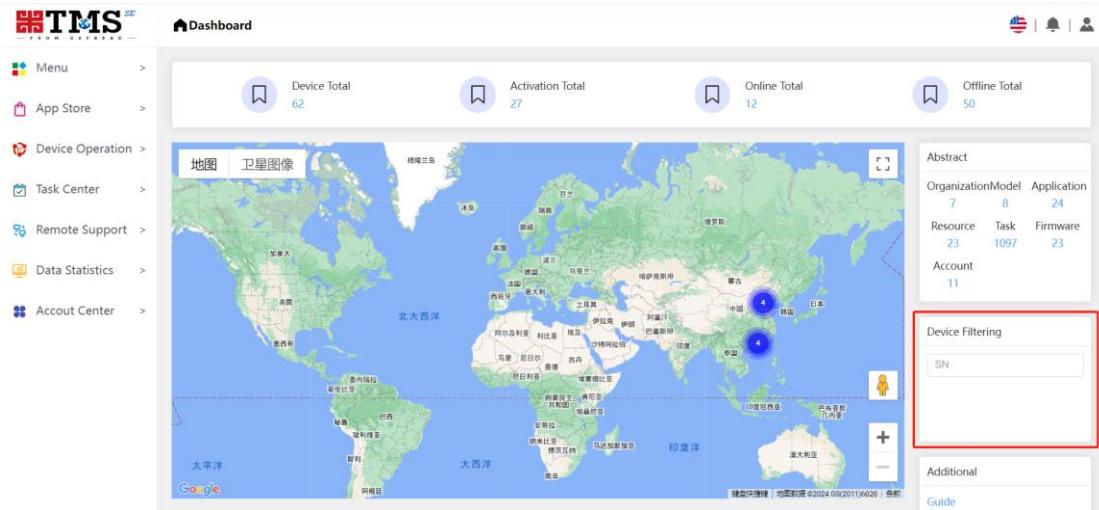
Resources: Collects statistics on all resources under the current organization and its sub-organizations

Tasks: Collects statistics on all tasks under the current organization and its sub-organizations

Firmwares: Collects statistics on all firmware under the current organization and its sub-organizations

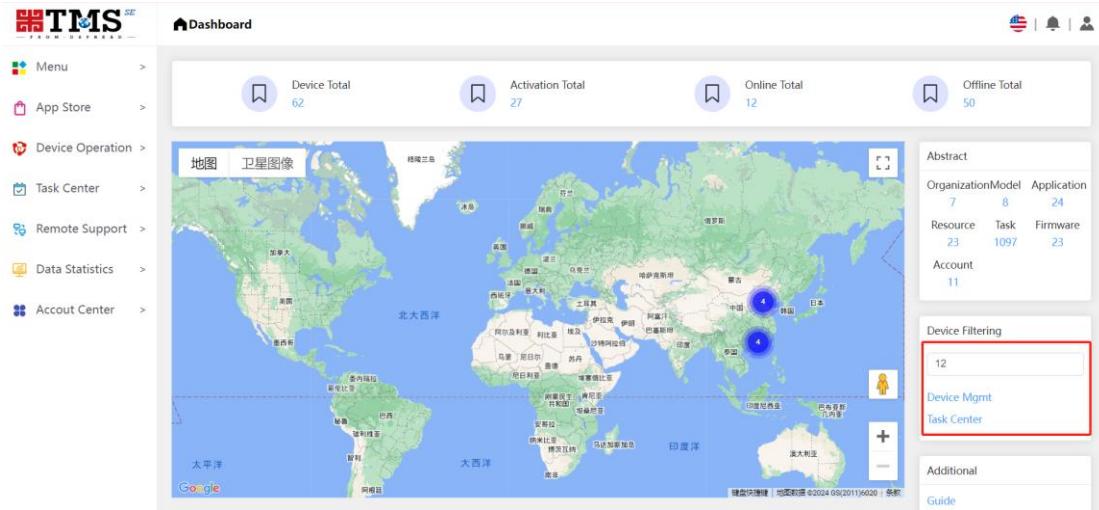
Accounts: Collects statistics on all accounts of the current organization and its sub-organizations

2.5 Quick device screening

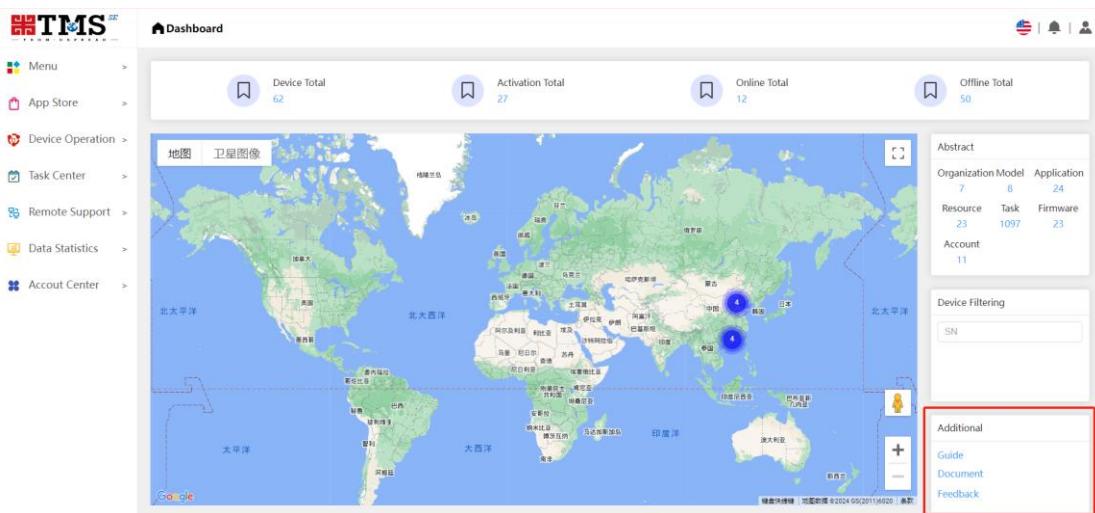


This page allows you to quickly locate the location of the device number you need to search for and check its status:

- Enter the device number you want to query.
- Click the Enter key and the "Device Management" and "Task Center" buttons will appear.
- Click the "Device Management" button, the page will jump to the device management and search for the device number, so that you can find the device more conveniently and quickly.
- Click the "Task Center" button, the page will jump to the task center and search for the device number, so that you can quickly view the tasks and historical tasks that the device is currently pushing.



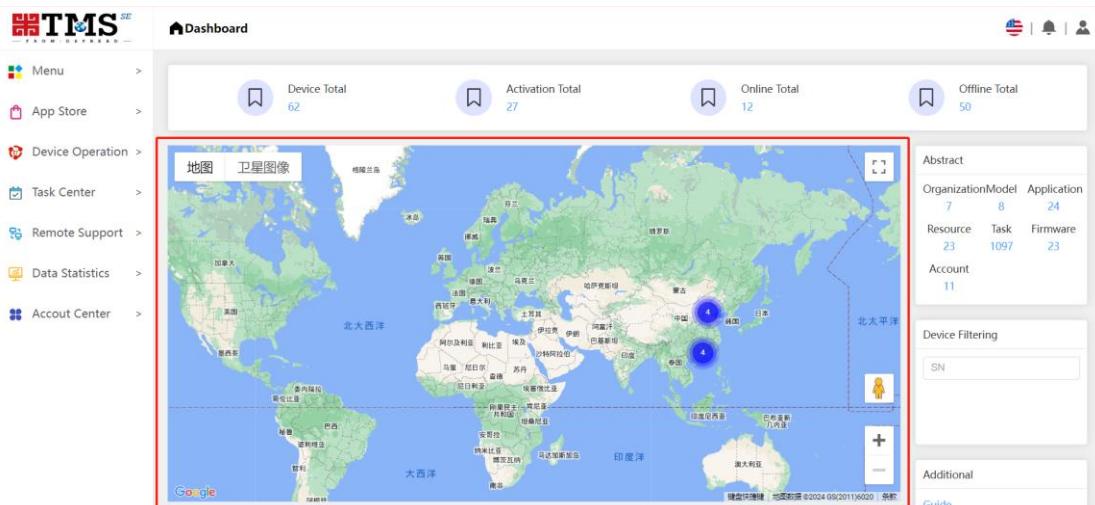
2.6 Additional Information



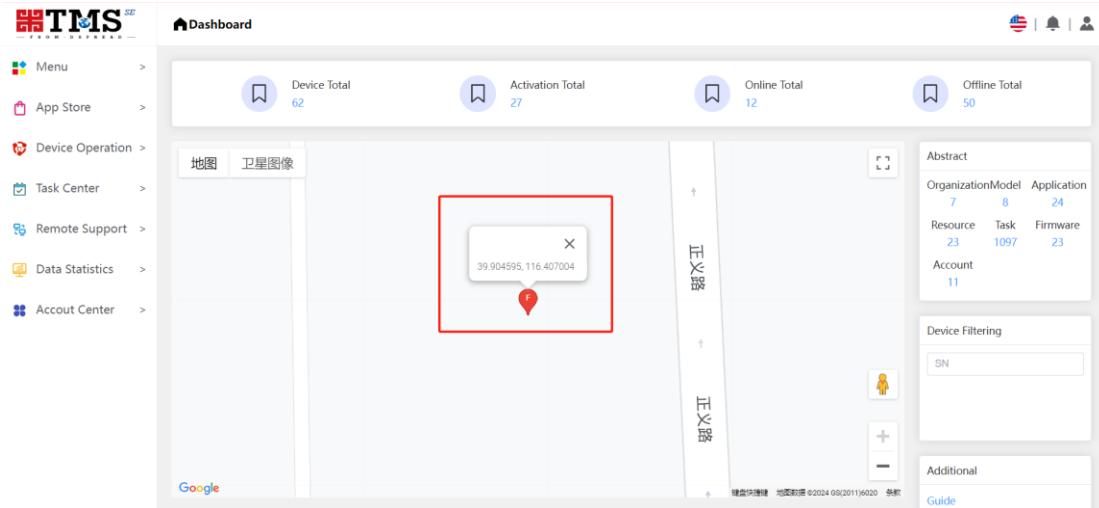
The additional information includes three buttons: Getting Started, Documentation, and Feedback, which respectively indicate:

- **Getting Started:** Instructions on how to use the system.
- **Documentation:** This is the user manual of the system, which will include all the module information and how to use the system.
- **Feedback:** Various problems encountered in using this system can be reported through this button.

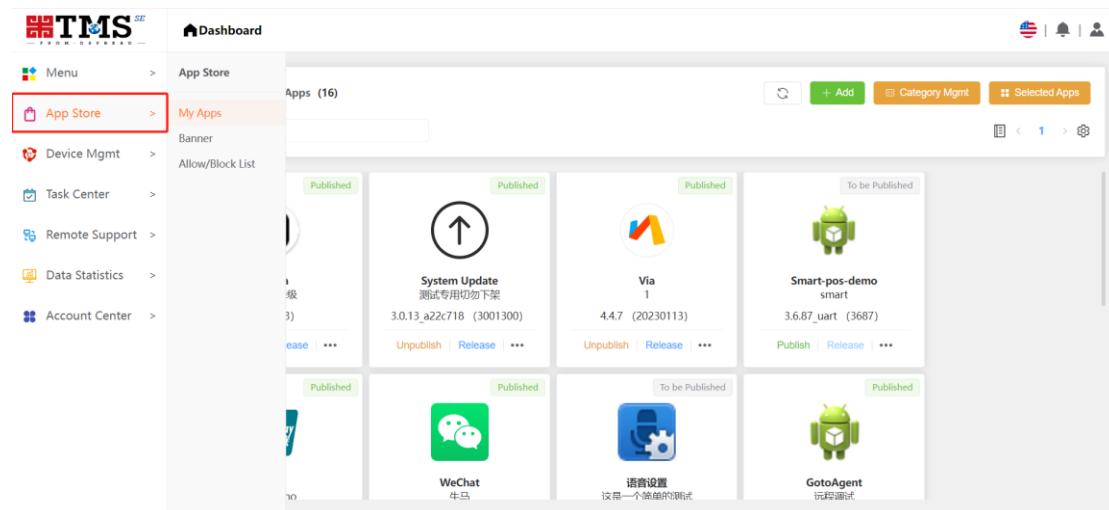
2.7 Devices Distributed



The map will show the geographical location of the device under the current mechanism by longitude and latitude. With a mouse click  , the specific location information will be displayed.



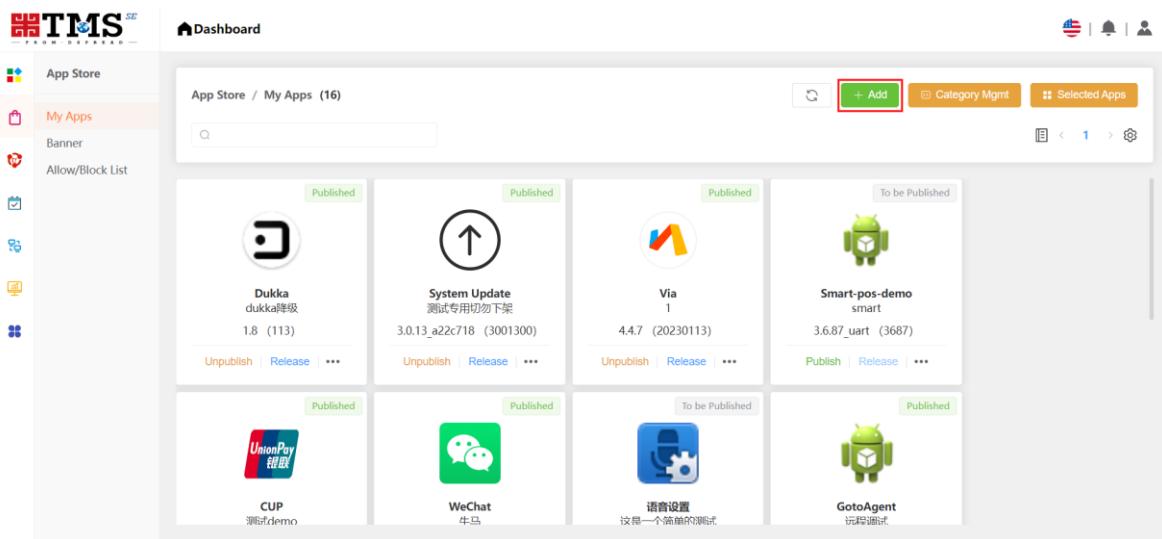
3. App Store



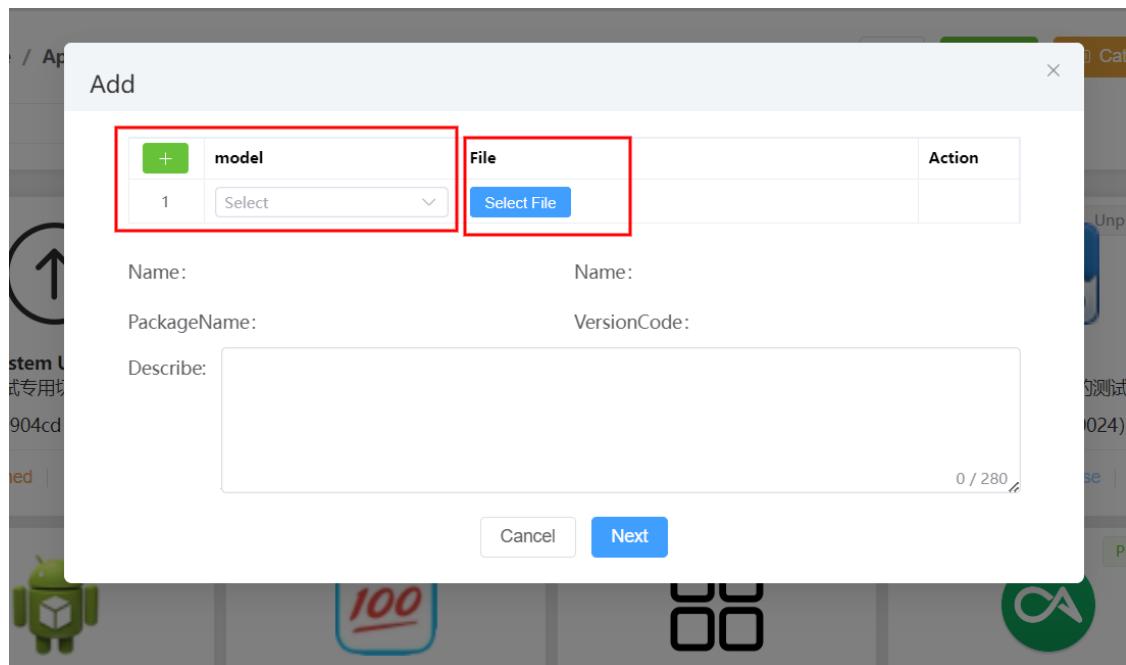
Click the 【APP Store】 -> 【My Apps】 button on the left menu bar to enter the app store.

3.1 My Apps

3.1.1 New applications



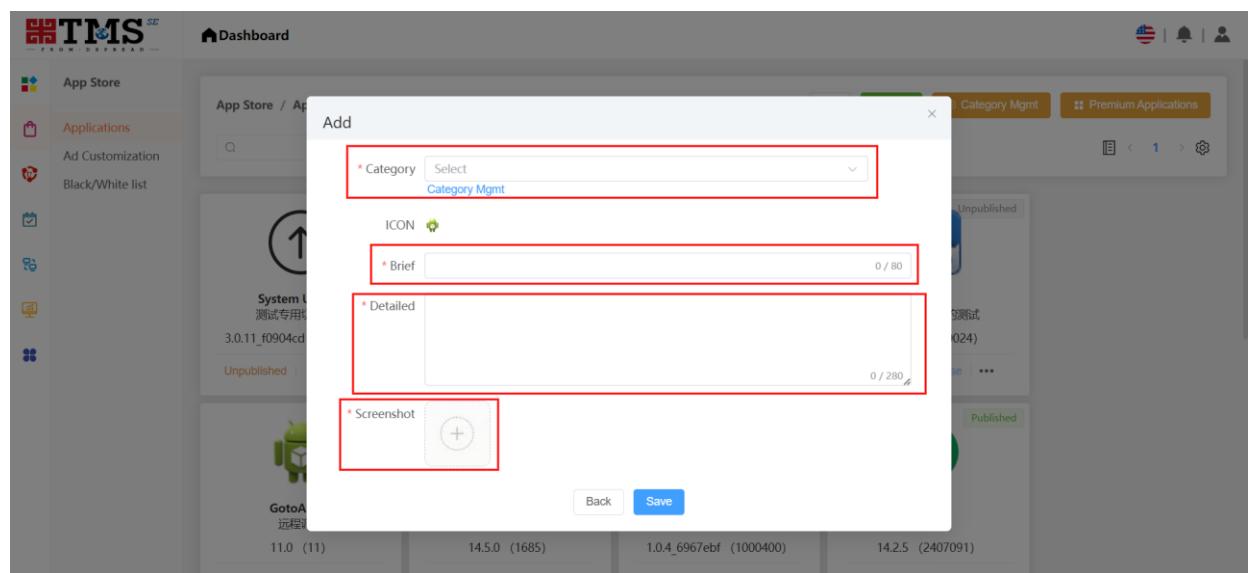
1. Click the new icon at the top right of the 【My Apps】 interface  to start the process of creating a new application.
 - a. If the new app is already owned by the current app store, you only need to fill in the following information:
 - Select *Model from the Model drop-down list.
 - Upload the "*Installation Package" of the application (**the installation package is in APK format**).
 - Enter Update Instructions
 - The backend will automatically parse the application name, version name, application package name, and version number of the APK package.
- Note:** Fields with * are required.



2. After filling in all the information in the above fields, you can click "Next" at the bottom to complete the addition.

- b. If the new app does not exist in the current app store, you will need to fill in the following information after clicking the "Next" button in the front:
- Use the Category drop-down box to select the existing ***Category (up to 10 categories) under the organization**
 - Enter About
 - Enter ***Detailed**
 - Upload ***Screenshot (the resolution must be 480 x 800 or 800 x 480 and the size must be less than 1 MB)**.

Note: Fields with * are required.



3.1.2. Category Management

1. Click the yellow button "Category Mgmt" at the top right of the page to enter the category management page

The screenshot shows the TMS (TechM) dashboard with the 'App Store' tab selected. In the center, there's a grid of application cards. At the top right of the grid, there's a green 'Add' button and a yellow 'Category Mgmt' button, which is highlighted with a red box. Below the grid, there are several other application cards.

2. Click the "Add" button in the upper right corner of the category management pop-up window to add a category (there can be a maximum of 10 categories).

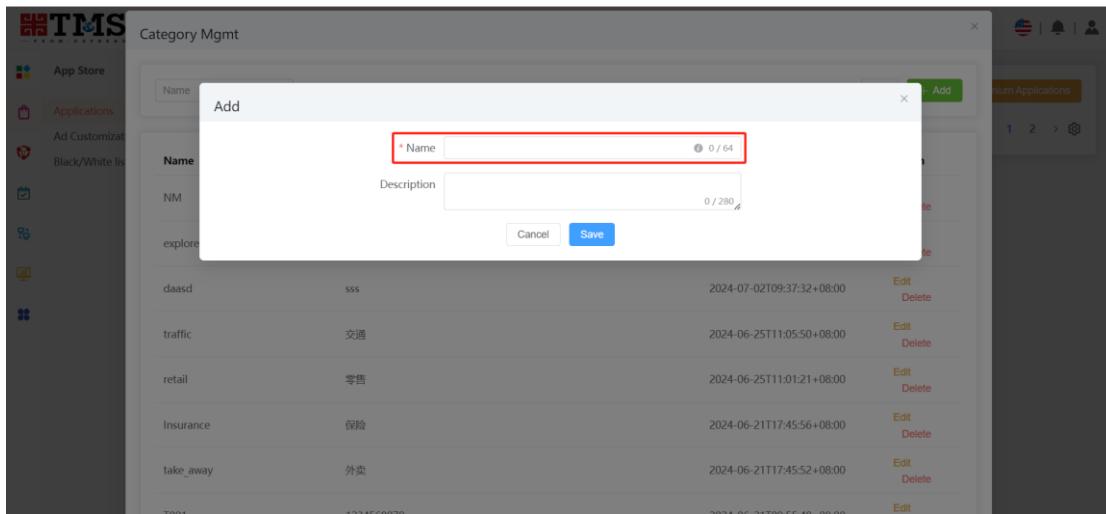
The screenshot shows a modal window titled 'Category Mgmt'. Inside, there's a table listing existing categories. At the top right of the modal, there's a green '+ Add' button, which is highlighted with a red box. The table has columns for Name, Description, Creator, CreateTime, and Action (Edit, Delete).

Name	Description	Creator	CreateTime	Action
NM	NM		2024-07-09T10:17:11+08:00	Edit Delete
explorer	浏览器		2024-07-04T13:55:34+08:00	Edit Delete
ddddd	ddddd		2024-07-03T13:58:22+08:00	Edit Delete
daasd	sss		2024-07-02T09:37:32+08:00	Edit Delete
traffic	交通		2024-06-25T11:05:50+08:00	Edit Delete
retail	零售		2024-06-25T11:01:21+08:00	Edit Delete

3. On the page to add a category, fill in the following information:

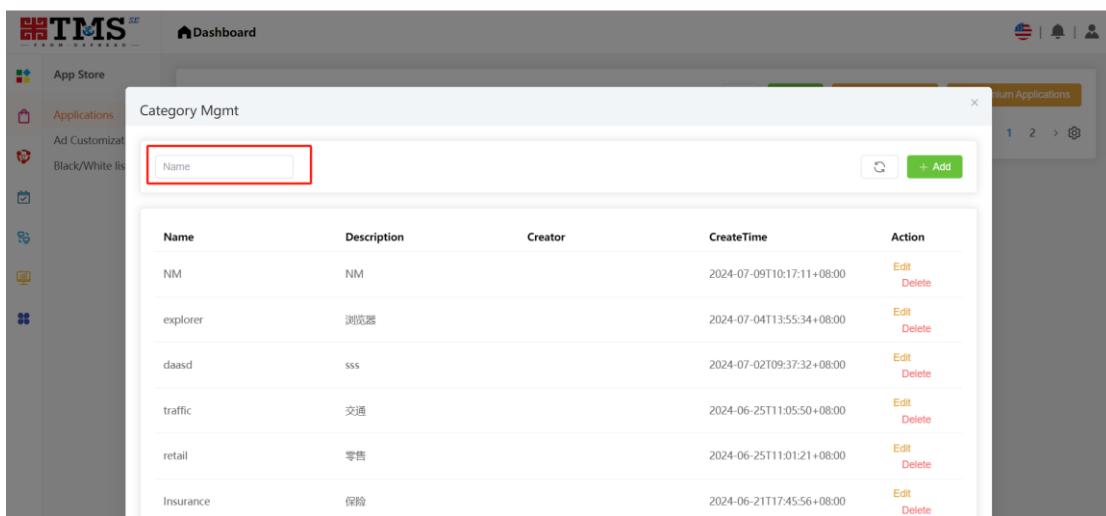
- Enter *Classification Name
- Enter a Classification Description

Note: Fields with * are required.



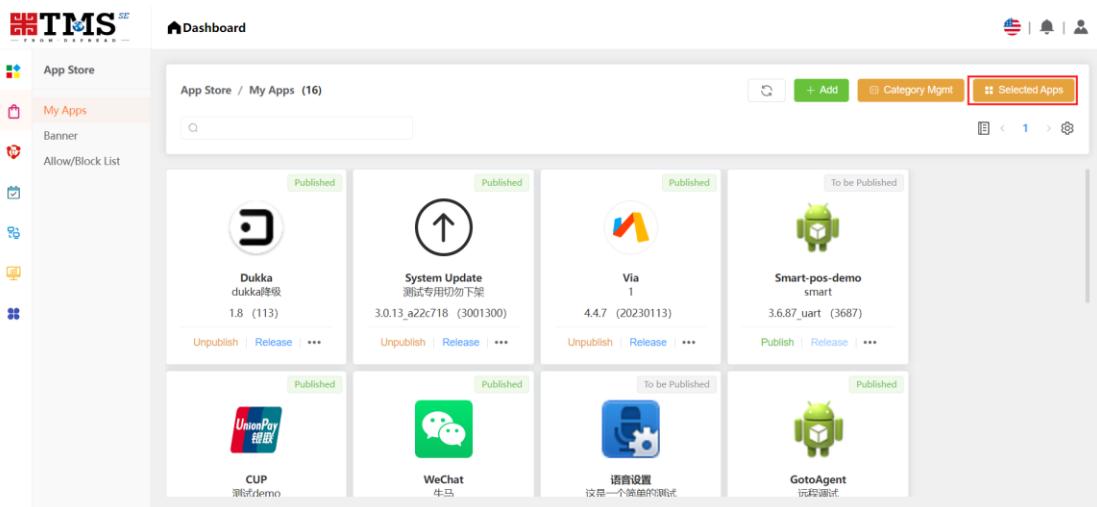
4. Click "Save".

5. You can also search by entering a category name in the category name search box



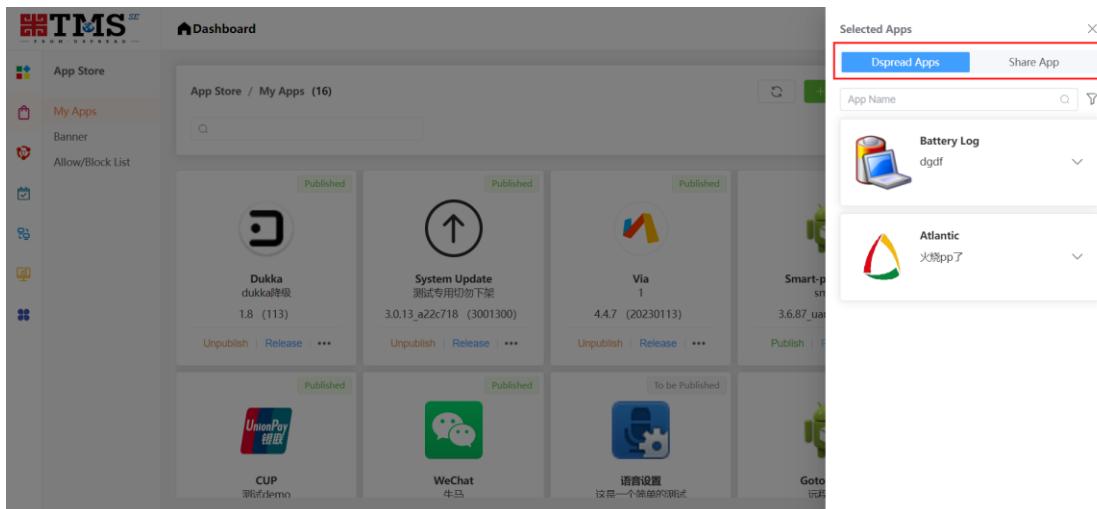
3.1.3. Boutique applications

1. Click the "Selected Apps" icon at the top right of the interface

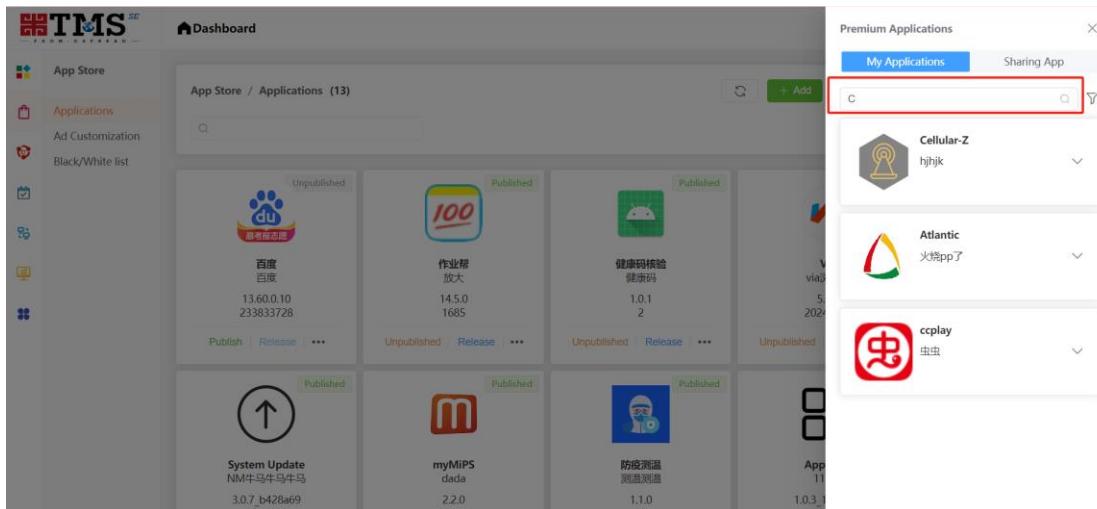


2. In the pop-up window, you can add the **Dspread Apps** application uploaded by Dspread

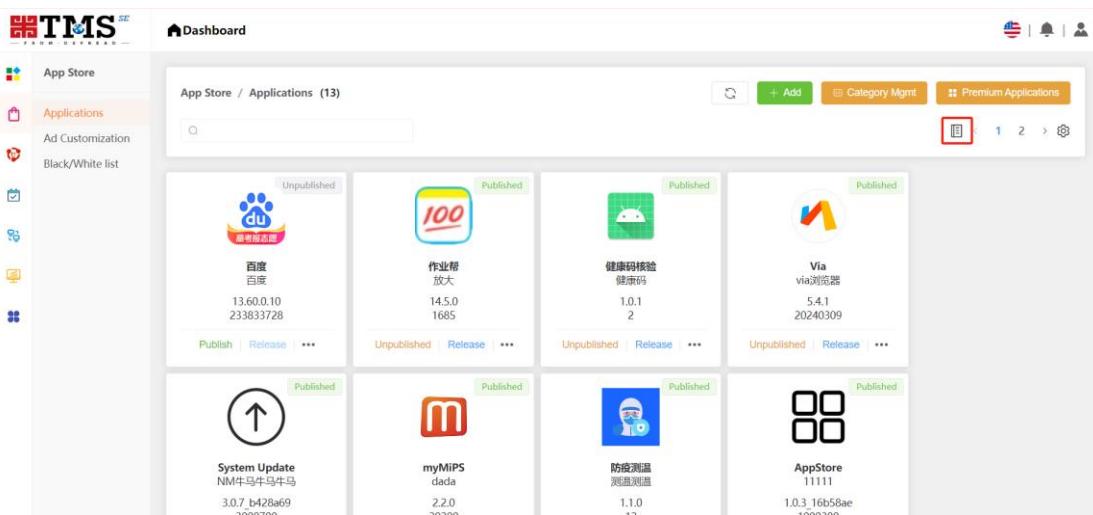
for the current app store through the button, or you can **Share App** add the application shared by the parent organization through the button.



3. You can enter the app you want to search for in the search box that comes with the window.



3.1.4 List Mode



1. When you first enter the app store, the display mode defaults to card mode.



2. Find the icon in the upper right position of the page in card mode , and click it to enter the list mode, which is displayed as shown in the following figure

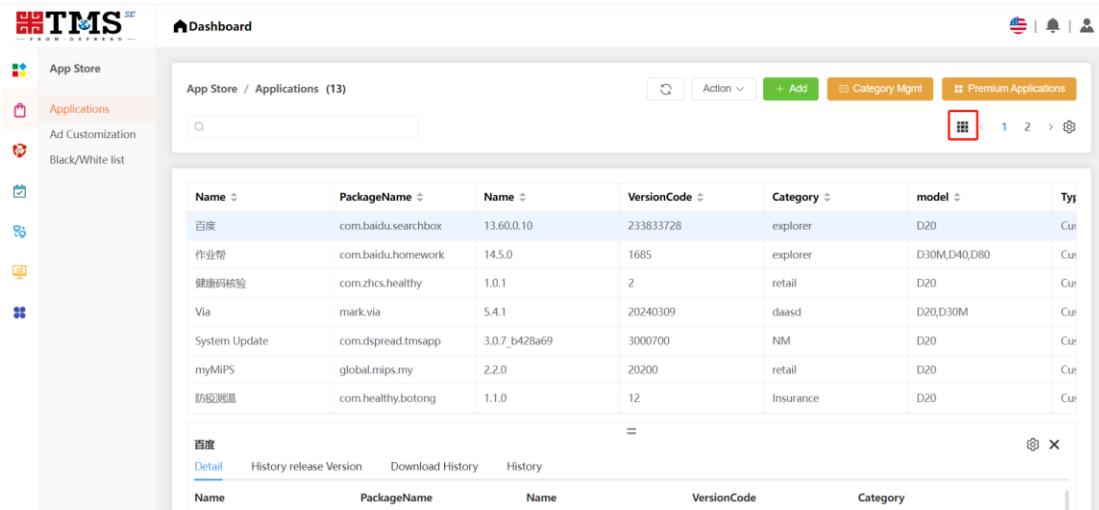
Name	PackageName	Name	VersionCode	Category	model
百度	com.baidu.searchbox	13.60.0.10	233833728	explorer	D20
作业帮	com.baidu.homework	14.5.0	1685	explorer	D30M,D40,D80
健康码核验	com.zchs.healthy	1.0.1	2	retail	D20
Via	mark_via	5.4.1	20240309	daasd	D20,D30M
System Update	com.dsspread.tmsapp	3.0.7_b428a69	3000700	NM	D20
myMiPS	global.mips.my	2.2.0	20200	retail	D20
防疫测温	com.healthy.botong	1.1.0	12	Insurance	D20
AppStore	com.dsspread.appstore	1.0.3_16b58ae	1000300	take_away	D20
Smart-pos-demo	com.dsspread.new	3.5.4	31	T001	D20
pos-android-demo	com.dsspread демоui	4.5.6	33	T001	D20

3. In the list mode, you can view the basic information of each application, including the application name, application package name, category, and model.

3.1.5 card mode

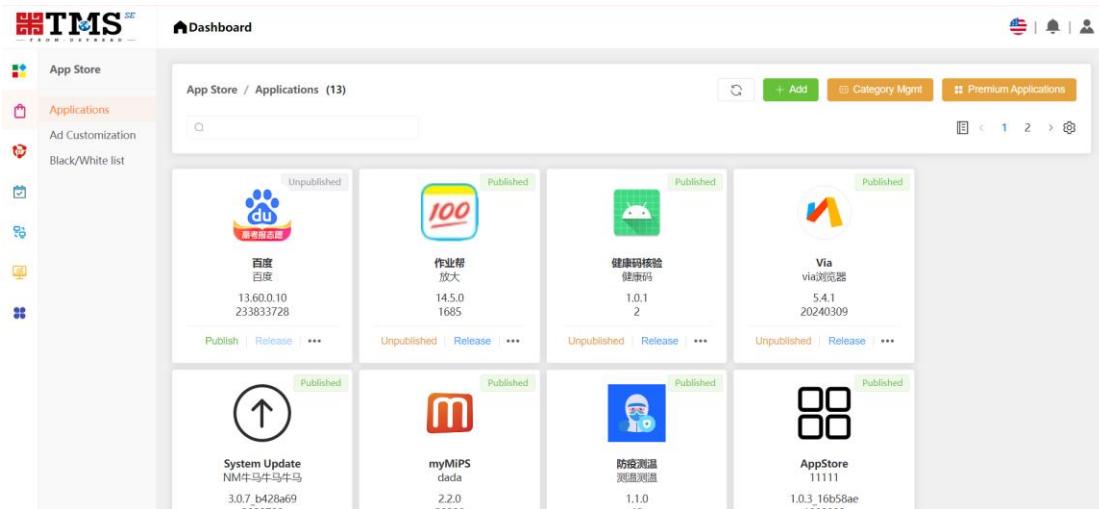
1. Find the icon in the upper right corner of the list mode page , and click it to enter the card mode.





The screenshot shows the LarkTMS application management interface. On the left is a sidebar with icons for App Store, Applications (highlighted), Ad Customization, and Black/White list. The main area is titled "Dashboard" and "App Store / Applications (13)". It features a search bar, action buttons (+ Add, Category Mgmt, Premium Applications), and a table with columns: Name, PackageName, Name, VersionCode, Category, model, and Type. The table lists several apps like Baidu, Jiaoyebang, HealthyCodeCheck, etc. A modal window for "Baidu" is open, showing tabs for Detail (selected), History, release, Version, Download History, and History.

2. The card pattern is shown in the following figure:



The screenshot shows the LarkTMS application management interface in card mode. The sidebar and dashboard header are identical to the previous screenshot. The main area displays a grid of app cards. Each card includes the app icon, name, version, and status (Unpublished or Published). Buttons for Publish, Release, and more options are visible at the bottom of each card. The cards include Baidu, Jiaoyebang, HealthyCodeCheck, Via, System Update, myMIPS, and AppStore.

3. In card mode, you can see information such as the icon and version number of each app.

3.1.6 Listing Applications

1. In **card mode**, apps can be listed by clicking the "Publish" button in the bottom left corner of each app card.

The screenshot shows a grid of application cards. Each card displays the app icon, name, version, and status (Published or To be Published). Under each card, there is a row of action buttons: Unpublish, Release, and three dots. The fourth column from the left, which contains the 'Smart-pos-demo' card, has a 'Publish' button highlighted with a red border.

App Name	Package Name	Version Name	Version Code	Action
System Update	com.dsspread.tmsapp	3.0.14_eb30ff6	3001400	Unpublish Release ...
Dukka	com.dukka.dukka	1.8	113	Unpublish Release ...
Via	mark.via	4.4.7	20230113	Unpublish Release ...
Smart-pos-demo	com.dsspread.new	3.6.87_uart	3687	Publish Release ...
CUP	com.dsspread.cupbank	1.0.1	1	T001
WeChat	com.tencent.mm	8.0.42	2460	NM
语音设置	com.iflytek.speechcloud	1.0.10024	10024	traffic
GotoAgent	com.pingbo.gotoagent	11.0	11	explorer
作业帮	com.baidu.homework	14.5.0	1685	NM

2. In list mode, you can use the "Publish" button under the "Action" button to list the shelves.

The screenshot shows a table of applications. An 'Action' dropdown menu is open over the fourth row, which corresponds to the 'Smart-pos-demo' application. The menu options include Edit, Delete, Release, Share, Unshare, Publish (highlighted with a red border), and Unpublish.

App Name	Package Name	Version Name	Version Code	Action	Category	Model	Type
System Update	com.dsspread.tmsapp	3.0.14_eb30ff6	3001400	Unpublish	D20,D40...	Customer Apps	
Dukka	com.dukka.dukka	1.8	113	Unpublish	D20	Customer Apps	
Via	mark.via	4.4.7	20230113	Unpublish	D20	Customer Apps	
Smart-pos-demo	com.dsspread.new	3.6.87_uart	3687	Publish	D20	Customer Apps	
CUP	com.dsspread.cupbank	1.0.1	1	T001	D30M	Customer Apps	
WeChat	com.tencent.mm	8.0.42	2460	NM	D20	Customer Apps	
语音设置	com.iflytek.speechcloud	1.0.10024	10024	traffic	D20	Customer Apps	
GotoAgent	com.pingbo.gotoagent	11.0	11	explorer	D20,D30M	Customer Apps	
作业帮	com.baidu.homework	14.5.0	1685	NM	D10,D30...	Customer Apps	

3.1.7 Removal of Applications

1. In card mode, you can use the "Unpublished" button to deactivate the app.

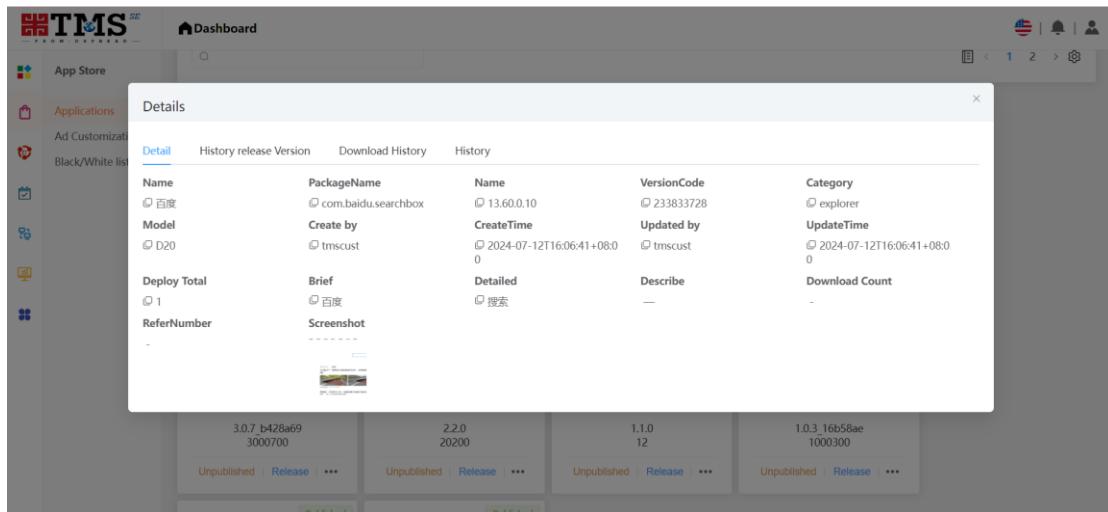
The screenshot shows the LarkTMS App Store interface. On the left is a sidebar with icons for App Store, My Apps, Banner, Allow/Block List, and other management tools. The main area is titled 'App Store / My Apps (16)'. It displays a grid of app cards. One card for 'System Update' has its 'Unpublish' button highlighted with a red box. Other cards include 'Dukka', 'Via', 'Smart-pos-demo', 'UnionPay', 'WeChat', and 'GotoAgent'.

2. In list mode, you can use the UnPublished button under the Action button to remove the list.

The screenshot shows the LarkTMS App Store interface in list mode. The 'My Apps' section is selected in the sidebar. The main area shows a table of apps. An 'Action' dropdown menu is open, and the 'Unpublish' option is highlighted with a red box. The table lists various apps like System Update, Dukka, Via, etc., with their details such as package name, version, and category.

3.1.8 Details

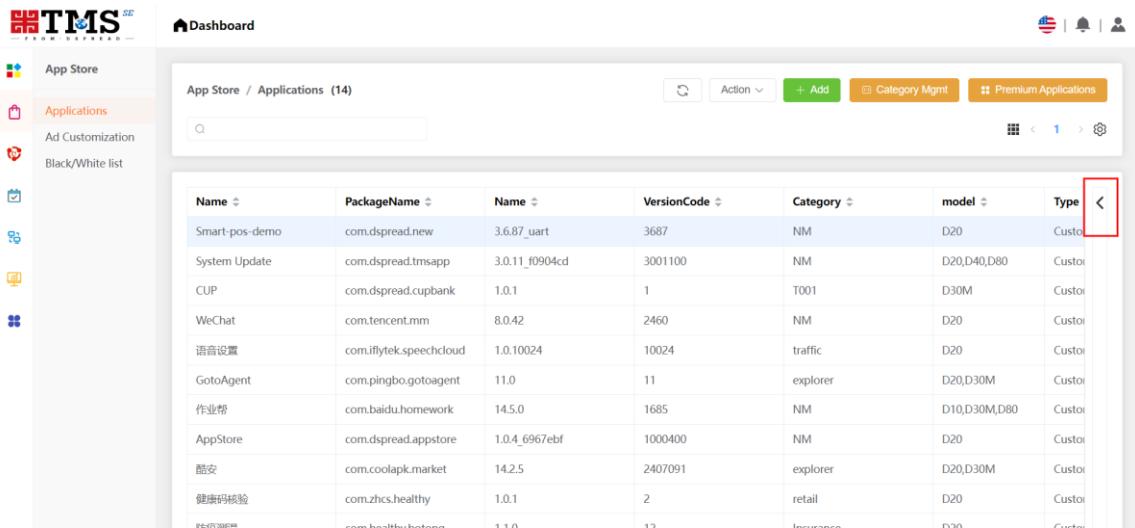
1. In card mode, you can display the details of an app by tapping the app's icon.



The screenshot shows a detailed view of an application's history. The application is named '百度' (Baidu) with package name 'com.baidu.searchbox'. It was created by 'tmscust' on July 12, 2024, at 16:06:41. The version code is 233833728. The category is 'explorer'. The application has been deployed 1 time to model D20. The screenshot shows a brief description and a search bar. Below the details, there are four rows of deployment history:

Deploy Total	Brief	Detailed	Describe	Download Count		
1	百度	搜索	—	-		
3.0.7	b428a69 3000700	2020	1.1.0 12	1.0.3 16b58ae 1000300		
	Unpublished	Release	...	Unpublished	Release	...

2. In the list mode, the basic information of each application is displayed directly, and the application details are displayed from the bottom by clicking the button on the right side of the page or the button at the bottom of the page



The screenshot shows a list of 14 applications. The columns include Name, PackageName, Name, VersionCode, Category, model, and Type. The 'Type' column for the first application, 'Smart-pos-demo', is highlighted with a red box and a left-pointing arrow icon. The applications listed are:

Name	PackageName	Name	VersionCode	Category	model	Type
Smart-pos-demo	com.dsspread.new	3.6.87_uart	3687	NM	D20	Custo<
System Update	com.dsspread.tmsapp	3.0.11_f0904cd	3001100	NM	D20,D40,D80	Custo
CUP	com.dsspread.cupbank	1.0.1	1	T001	D30M	Custo
WeChat	com.tencent.mm	8.0.42	2460	NM	D20	Custo
语音设置	com.iflytek.speechcloud	1.0.10024	10024	traffic	D20	Custo
GotoAgent	com.pingbo.gotoagent	11.0	11	explorer	D20,D30M	Custo
作业帮	com.baidu.homework	14.5.0	1685	NM	D10,D30M,D80	Custo
AppStore	com.dsspread.appstore	1.0.4_6967ebf	1000400	NM	D20	Custo
酷安	com.coolapk.market	14.2.5	2407091	explorer	D20,D30M	Custo
健康码核验	com.zhcs.healthy	1.0.1	2	retail	D20	Custo
健康码核验	com.healthcheckapp	1.1.0	12	business	D20	Custo

The screenshot shows the LarkTMS application management interface. On the left is a sidebar with icons for App Store, Applications, Ad Customization, and Black/White list. The main area is titled "Dashboard" and "App Store / Applications (14)". It displays a table of 14 applications with columns: Name, PackageName, Name, VersionCode, Category, model, and Type. The applications listed include Smart-pos-demo, System Update, CUP, WeChat, 语音设置, GotoAgent, 作业帮, AppStore, 酷安, 健康码核验, 防疫通, pos-android-demo, Cellular-Z, and Android-Location.

3. You can view the release history, download history, and tasks in the details area

4. You can use the button in the details to



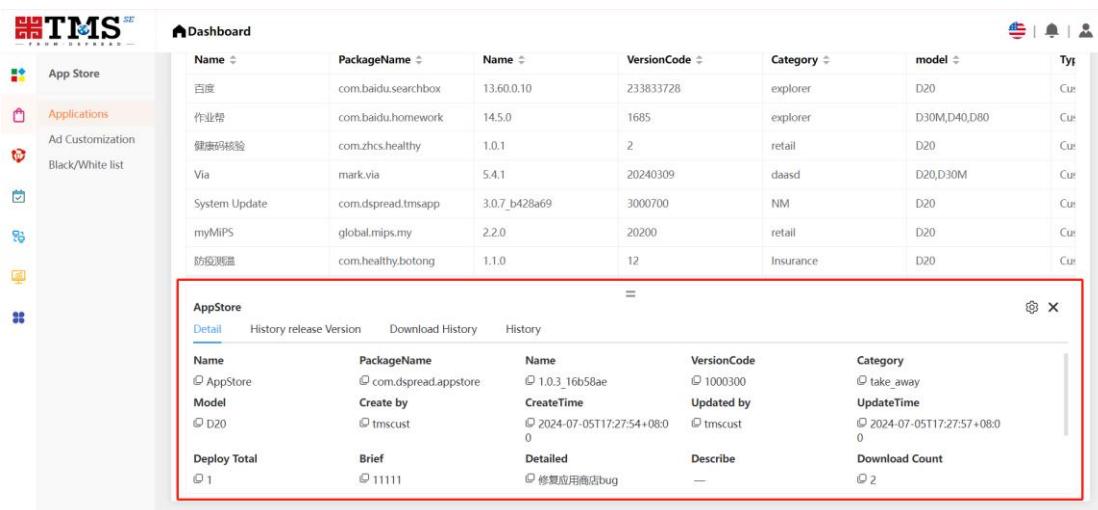
move the details to the bottom, and then use the

button at the bottom of the page



to expand the details.

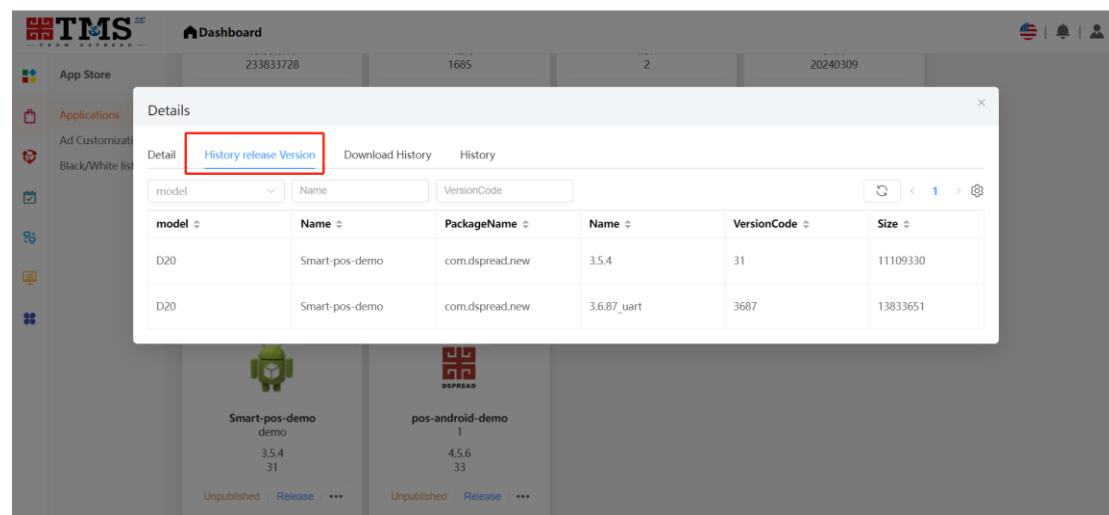
The screenshot shows the LarkTMS application management interface with the "Smart-pos-demo" application selected in the details panel. The details panel is expanded, showing various fields: Details location (Bottom), Name (3.6.87_uart), Category (NM), Create by (tmscust), Updated by (tmscust), Deploy Total (Brief), VersionCode (3687), Model (D20), CreateTime (2024-07-23T14:37:26+08:00), UpdateTime (2024-07-23T14:37:50+08:00), and Brief (smart). A red box highlights the "Bottom" option in the "Details location" dropdown.



The screenshot shows the LarkTMS dashboard with a sidebar containing links like App Store, Applications, Ad Customization, Black/White list, and others. The main area displays a table of applications with columns: Name, PackageName, Name, VersionCode, Category, model, and Type. One row is highlighted with a red border, showing details for an app named '百度' (com.baidu.searchbox). A modal window titled 'AppStore' provides more detailed information about this specific release, including fields for Name, PackageName, Create by, CreateTime, Updated by, UpdatedTime, Deploy Total, Brief, Detailed, Describe, and Download Count.

3.1.9 Historical release versions

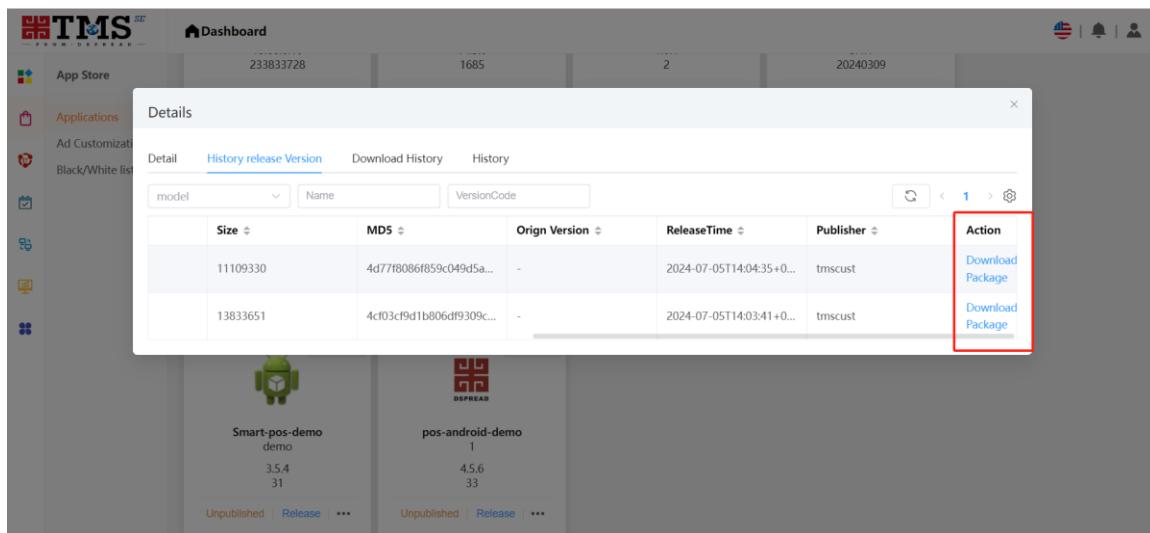
1. Click “History release Version” in the details window to view and manipulate the release history.



This screenshot shows a detailed view of an app's release history. The main table lists two versions: 'Smart-pos-demo' (version 3.5.4) and 'Smart-pos-demo' (version 3.6.87_uart). Below the table, there are two cards: 'Smart-pos-demo demo' (version 3.5.4, size 31) and 'pos-android-demo' (version 4.5.6, size 33). Each card has three buttons at the bottom: 'Unpublished', 'Release', and '...'. The 'Release' button for the first card is highlighted with a red box.

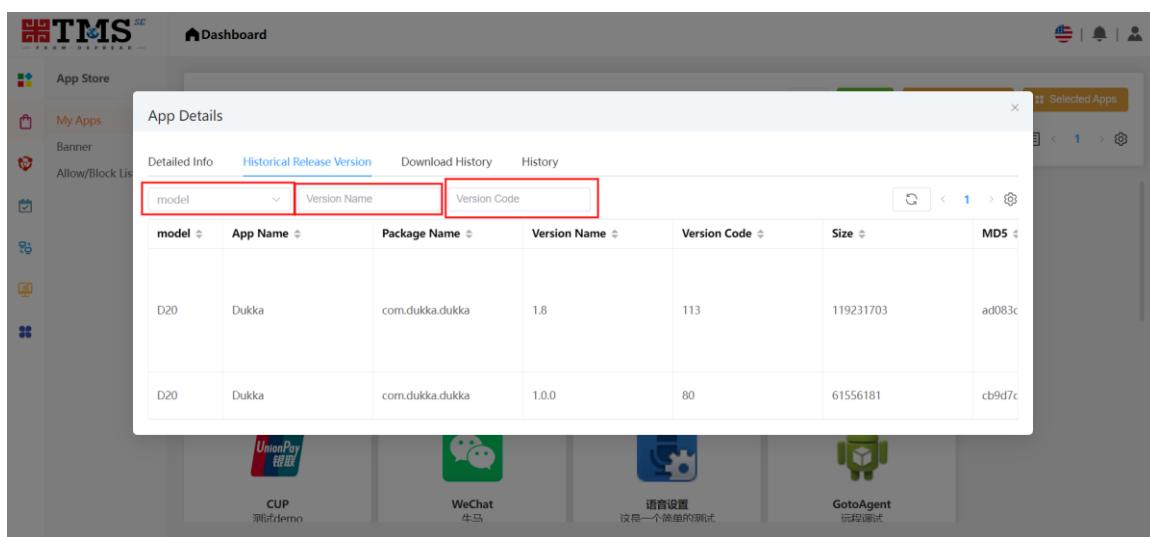
2. You can view information such as the model and application name supported by the application, and can also trace back to the creation history, size, publisher, and other information of the application.

3. On the far-right side of the page, you can download the various versions of the app package.



model	Size	MD5	Origin Version	ReleaseTime	Publisher
11109330	11109330	4d77f8086f859c049d5a...	-	2024-07-05T14:04:35+0...	tmscust
13833651	13833651	4cf03cf9d1b806df9309c...	-	2024-07-05T14:03:41+0...	tmscust

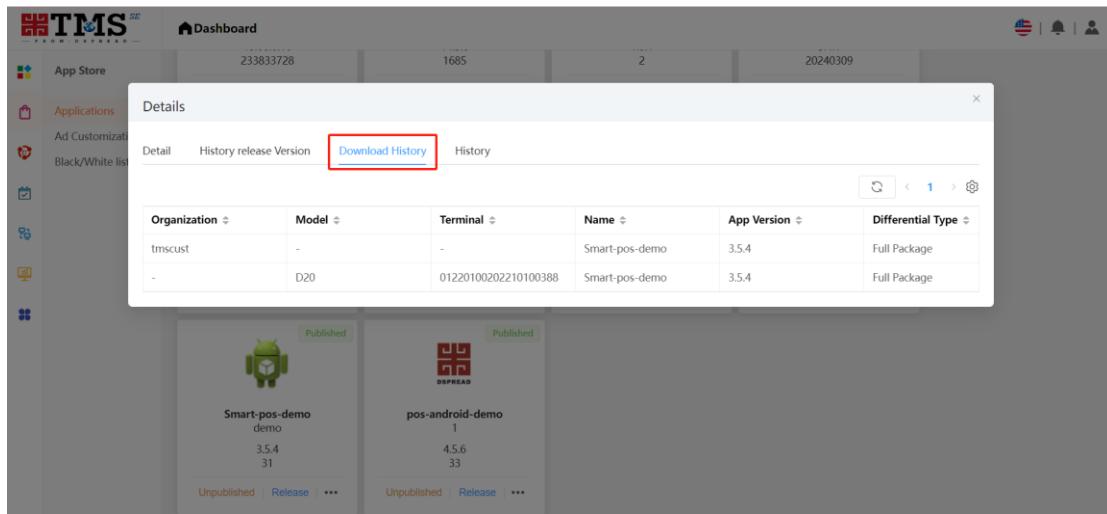
4. You can also search for the app using the search box.



model	App Name	Package Name	Version Name	Version Code	Size	MD5
D20	Dukka	com.dukka.dukka	1.8	113	119231703	ad0083c
D20	Dukka	com.dukka.dukka	1.0.0	80	61556181	cb9d7c

3.1.10 historical download records

1. Click "Download History" under the details pop-up window to view the download history.



The screenshot shows a detailed view of an application's download history. The 'Download History' tab is selected in the top navigation bar of the pop-up window. The main content area displays a table with columns: Organization, Model, Terminal, Name, App Version, and Differential Type. Two rows of data are shown:

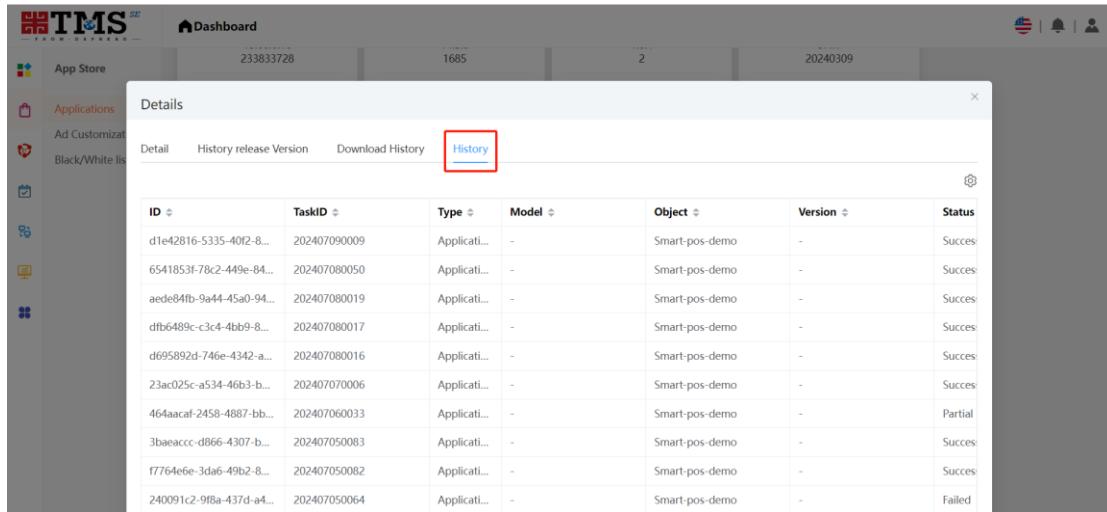
Organization	Model	Terminal	Name	App Version	Differential Type
tmscust	-	-	Smart-pos-demo	3.5.4	Full Package
-	D20	01220100202210100388	Smart-pos-demo	3.5.4	Full Package

Below the table, there are two app cards. The first card for 'Smart-pos-demo' shows a green Android icon and the text 'Published'. The second card for 'pos-android-demo' shows a red square icon with a white logo and the text 'Published'. Both cards have version numbers 3.5.4 and 31.

2. Historical download records will record the download records on the web and the download records of the device on the app store.

3.1.11 Historical Missions

1. Click "History" under the pop-up window of detailed information to view the historical tasks.



The screenshot shows a detailed view of historical tasks. The 'History' tab is selected in the top navigation bar of the pop-up window. The main content area displays a table with columns: ID, TaskID, Type, Model, Object, Version, and Status. Ten rows of data are listed:

ID	TaskID	Type	Model	Object	Version	Status
d1e42816-5335-40f2-8...	202407090009	Applicati...	-	Smart-pos-demo	-	Succes
6541853f-78c2-449e-84...	202407080050	Applicati...	-	Smart-pos-demo	-	Succes
aedc84fb-9a44-45b0-94...	202407080019	Applicati...	-	Smart-pos-demo	-	Succes
dfb6489c-c3c4-4bb9-8...	202407080017	Applicati...	-	Smart-pos-demo	-	Succes
d695892d-746e-4342-a...	202407080016	Applicati...	-	Smart-pos-demo	-	Succes
23ac025c-a534-46b3-b...	202407070006	Applicati...	-	Smart-pos-demo	-	Succes
464aacaf-2458-48b7-bb...	202407060033	Applicati...	-	Smart-pos-demo	-	Partial
3baeaccf-d866-4307-b...	202407050083	Applicati...	-	Smart-pos-demo	-	Succes
f7764e6e-3da6-49b2-8...	202407050082	Applicati...	-	Smart-pos-demo	-	Succes
240091c2-9f8a-437d-a4...	202407050064	Applicati...	-	Smart-pos-demo	-	Failed

2. Historical tasks record all the tasks that have been pushed to the app in the task center, including the application name, task status, and push device ID.

3.1.12 Modify the application

1. Note: The prerequisite for modifying an app is that the app is not listed.

2. In card mode, click the button in the lower right corner of the app card and select the "Edit" button to enter the Modify App page

The screenshot shows the LarkTMS dashboard under the 'App Store' section. It displays a grid of 13 applications. Some apps are published (green 'Published' status), while others are unpublished (grey 'Unpublished' status). Each app card includes its icon, name, version, and build number. Below the grid, there are buttons for 'Publish', 'Release', and 'Action'. The 'Action' button is highlighted with a red box.

3. In the list mode, click the "Edit" button under the "Action" button to enter the "Modify Application" page

The screenshot shows the LarkTMS dashboard under the 'App Store' section. It displays a detailed list of 13 applications. Each row contains information such as Name, PackageName, VersionCode, Category, and Type. Above the list, there is a 'Action' dropdown menu with options like 'Edit', 'Delete', 'Sharing', 'Unsharing', 'Publish', and 'Unpublished'. The 'Edit' button is highlighted with a red box.

4. On the Modify page, you can modify the application category, details, introduction, screenshots, and update description.

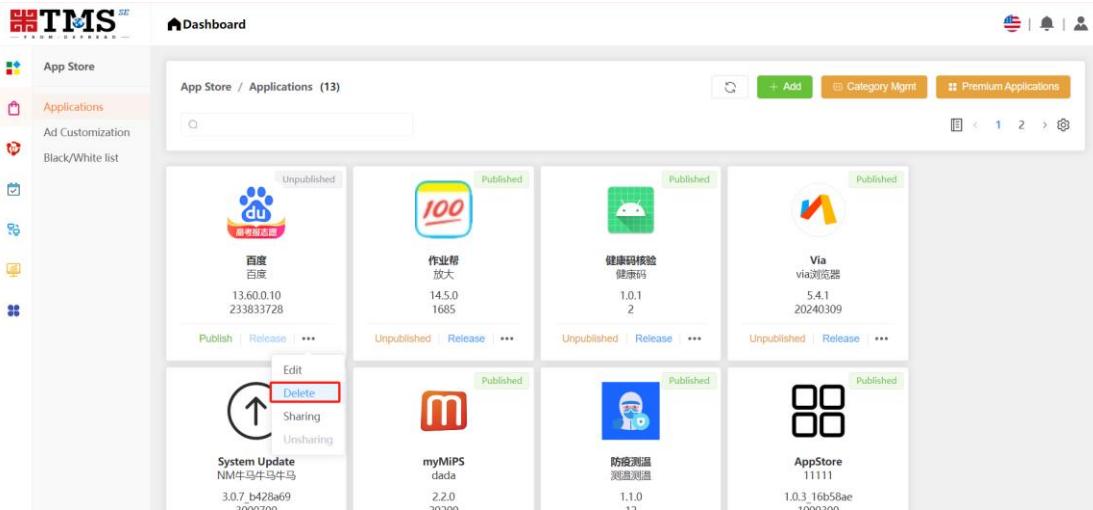
The screenshot shows the 'Edit' modal window for an application. The modal has several tabs: Model (set to D20), Category (set to explorer), and Category Mgmt. The 'Category' tab is active. The form fields include:

- Name: 百度
- PackageName: com.baidu.searchbox
- VersionCode: 233833728
- Category: explorer
- Brief: 百度
- Detailed: 搜索
- Screenshot: A placeholder for screenshots with a plus sign to add more.
- Describe: A large text area for the app's description.

3.1.13 Delete the app

1. **Note:** You can delete an app if it's not live.

2. In card mode, click the button in the lower-right corner of the app card and select the "Delete" button to delete the app.



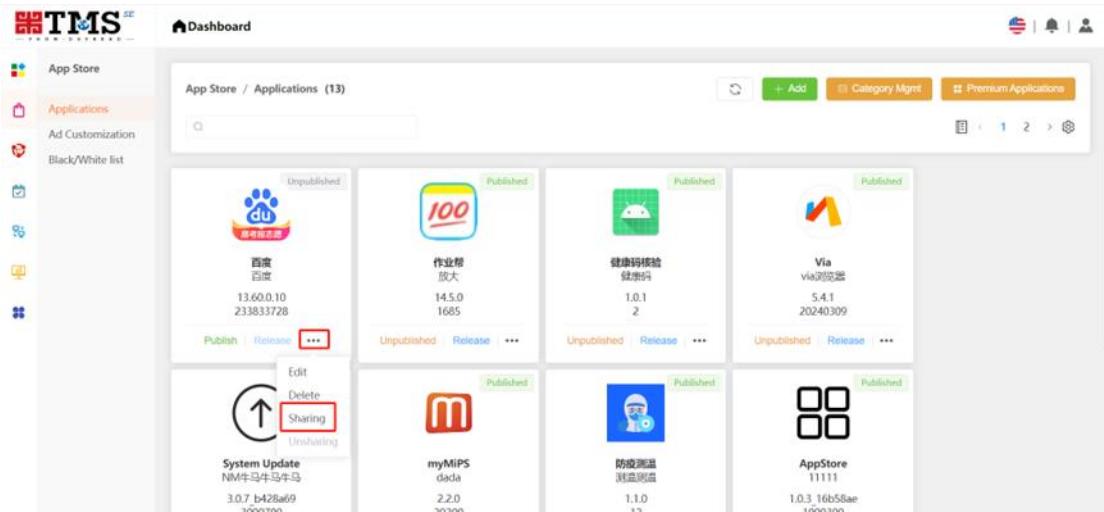
3. In list mode, click the "Delete" button under the "Action" button to delete the app

Name	PackageName	Name	Version	Action	Category	model	Type
百度	com.baidu.searchbox	13.60.0.10	233833728	Edit Delete Sharing Unsharing Publish Unpublished	explorer	D20	Cust
作业帮	com.baidu.homework	14.5.0	1685	Edit Delete Sharing Unsharing Publish Unpublished	explorer	D30M,D40,D80	Cust
健康码核验	com.zhcs.healthy	1.0.1	2	Edit Delete Sharing Unsharing Publish Unpublished	retail	D20	Cust
Via	mark_via	5.4.1	20240309	Edit Delete Sharing Unsharing Publish Unpublished	daasd	D20,D30M	Cust
System Update	com.dsspread.tmsapp	3.0.7_b428a69	3000700	Edit Delete Sharing Unsharing Publish Unpublished	NM	D20	Cust
myMiPS	global.mips.my	2.2.0	20200	Edit Delete Sharing Unsharing Publish Unpublished	retail	D20	Cust
防疫测温	com.healthy.botong	1.1.0	12	Edit Delete Sharing Unsharing Publish Unpublished	Insurance	D20	Cust
AppStore	com.dsspread.appstore	1.0.3_16b58ae	1000300	Edit Delete Sharing Unsharing Publish Unpublished	take_away	D20	Cust
Smart-pos-demo	com.dsspread.new	3.5.4	31	Edit Delete Sharing Unsharing Publish Unpublished	T001	D20	Cust
pos-android-demo	com.dsspread.demoui	4.5.6	33	Edit Delete Sharing Unsharing Publish Unpublished	T001	D20	Cust

3.1.14 Shared Apps

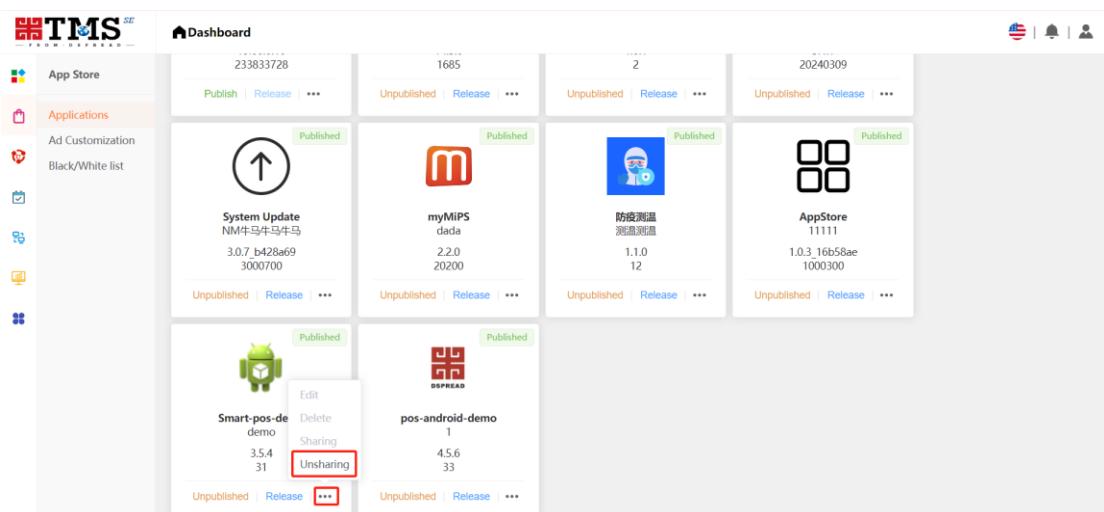
1. **Note:** The prerequisite for sharing an app is that the app is live.

2. In card mode, click the button in the lower right corner of the app card and select the "Sharing" button to share the app, and the app will be displayed under its sub-organizations.



The screenshot shows the LarkTMS App Store dashboard with a grid of 13 applications. One application, 'System Update', has its card selected, revealing a context menu with four options: 'Edit', 'Delete', 'Sharing', and 'Unsharing'. The 'Sharing' button is highlighted with a red box.

3. In card mode, click the button in the lower right corner of the app card  and select the "UnSharing" button to unshare the app, and remove the app from its sub-organizations.



The screenshot shows the LarkTMS App Store dashboard with a grid of 13 applications. One application, 'Smart-pos-de demo', has its card selected, revealing a context menu with four options: 'Edit', 'Delete', 'Sharing', and 'Unsharing'. The 'Unsharing' button is highlighted with a red box.

4. In list mode, click the "Sharing" button under the "Action" button to share the app, and its sub-organizations will display the app after sharing.

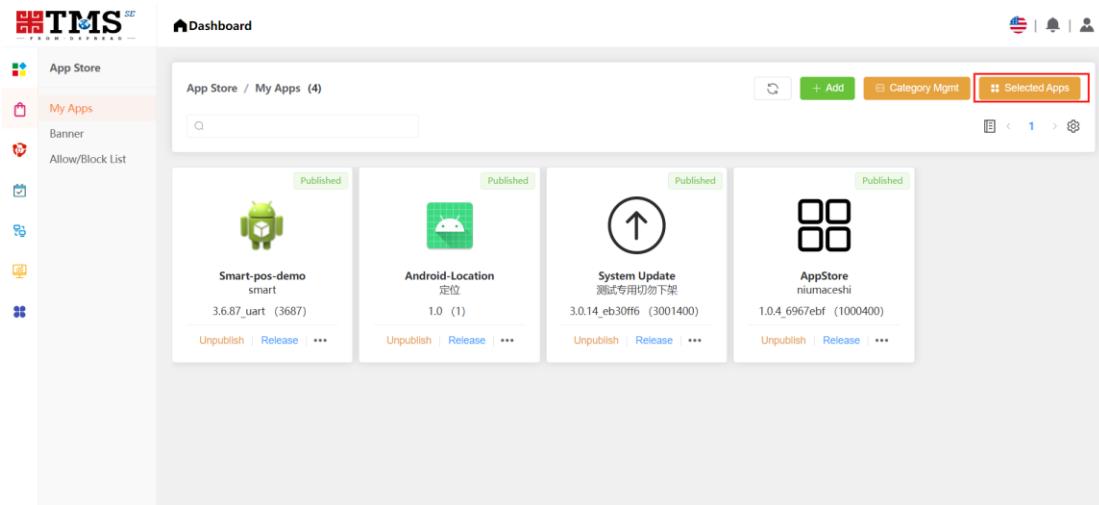
The screenshot shows the LarkTMS application store interface. On the left is a sidebar with icons for App Store, Applications, Ad Customization, and Black/White list. The main area is titled 'App Store / Applications (13)'. It displays a table of apps with columns: Name, PackageName, Name, Version, and Category. The 'Action' button for the first row is expanded, showing options: Edit, Delete, Release, Sharing, Unsharing, Publish, and Unpublished. The 'Sharing' option is highlighted with a red box.

5. In list mode, click the "UnSharing" button under the "Action" button to cancel the sharing of the app, and its sub-organization will remove the app.

This screenshot is identical to the one above, showing the LarkTMS application store interface. The 'Sharing' option in the 'Action' dropdown is now highlighted with a red box, indicating it has been selected.

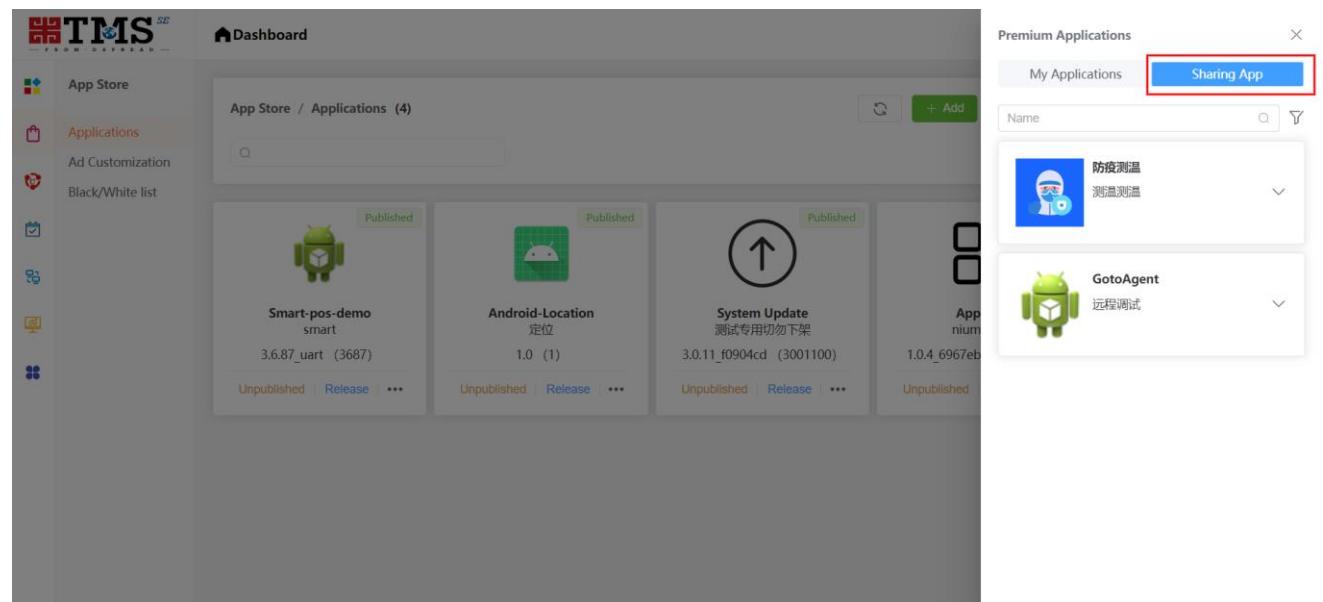
3.1.15 Pull Apps

- Find the "Selected Apps" button in the top right corner of the sub-institution's app store page.



2. By default, apps shared from a parent organization appear in the app store of the parent organization.

3. If the subordinate organization does not display the shared app, you need to click the "Sharing App" button in the pop-up window, where you can find the app shared by the parent organization and add it to the sub-organization's app store.



4.Device Operations

The screenshot shows the LarkTMS interface. On the left, there's a navigation menu with items like 'Device Operation' (which is highlighted with a red box), 'Models', 'Groups', 'Devices', 'Resources', 'Firmwares', 'Task Center', 'Remote Support', 'Data Statistics', and 'Account Center'. The main area is titled 'Device Operation / Models (12)'. It shows a table with columns 'Name', 'Count', and 'Remark'. One row is selected, showing 'A50M'. To the right of the table is a detailed view of the A50M device, including its OS (Android 13), Processor (Application CPU: 4*A53@ 2.0GHz, Security CPU: 32-bit ARM 192MHz), Memory (1GB RAM, 8GB Flash, 2GB RAM, 32GB Flash(Optional)), Display (2.4" 320 * 240 TFT Display, Capacitive touchscreen), Keys / Buttons (16 Keys: 0~9 | 5 Function Keys | 1 Power ON / OFF), Camera (0.3M FF pixels(Optional)), Power Supply (Input:100-240V AC,50Hz/60Hz, Output: 5.0V DC, 2.0A), and Battery (7.2V/2500mAh). Below the table is a diagram illustrating the device's connectivity via Bluetooth, GPS, WiFi, and 4G.

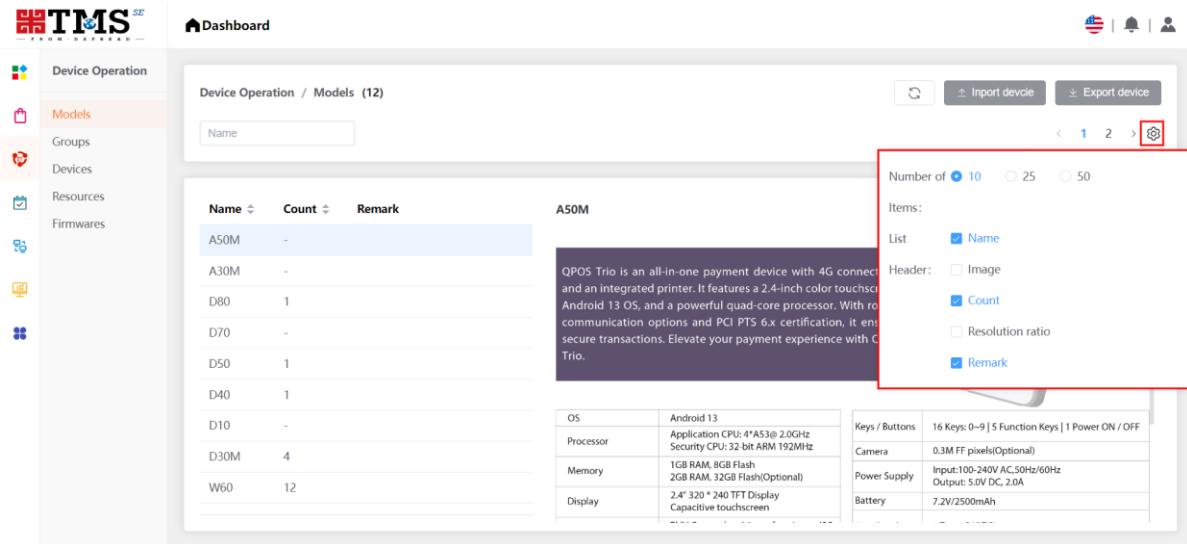
Click the 【Device Mgmt】 button on the left menu bar to enter the device operation page.

4.1 Model management

1. Click the 【Device】-> 【Models】 button on the left menu bar to enter the model management page.

This screenshot shows the 'Models' section of the LarkTMS Device Operation page. The left sidebar has a red box around the 'Models' button. The main area is titled 'Device Operation / Models (12)' and contains a table with columns 'Name', 'Count', and 'Remark'. The table lists several models: A50M (Count 1), A30M (Count -), D80 (Count 1), D70 (Count -), D50 (Count 1), D40 (Count 1), D10 (Count -), D30M (Count 4), and W60 (Count 12). To the right of the table is a detailed view of the A50M device, showing its specifications and a connectivity diagram.

2. Find the icon in the upper right corner of the page , and click it to change the number of data bars displayed in pagination; You can also modify the displayed list header.



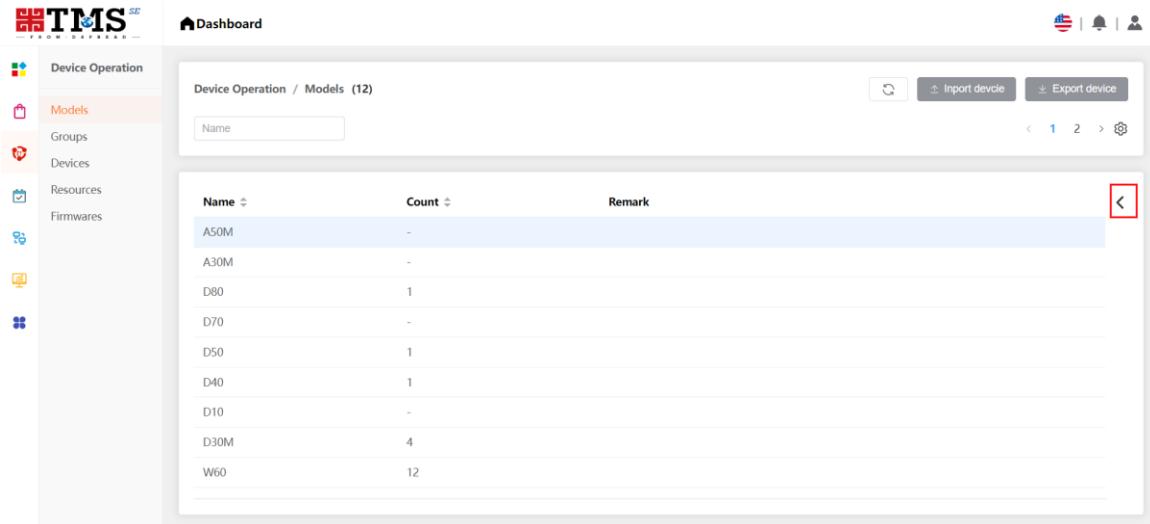
The screenshot shows the LarkTMS Device Operation interface. On the left is a sidebar with icons for Device Operation, Models, Groups, Devices, Resources, and Firmwares. The main area is titled 'Device Operation / Models (12)' and contains a table with columns: Name, Count, and Remark. The 'A50M' row is selected. To the right of the table is a detailed description of the A50M model, mentioning it's an all-in-one payment device with 4G connectivity and an integrated printer. Below this is a table of technical specifications. In the top right corner of the main content area, there is a red box around a settings gear icon.

Name	Count	Remark
A50M	-	
A30M	-	
D80	1	
D70	-	
D50	1	
D40	1	
D10	-	
D30M	4	
W60	12	

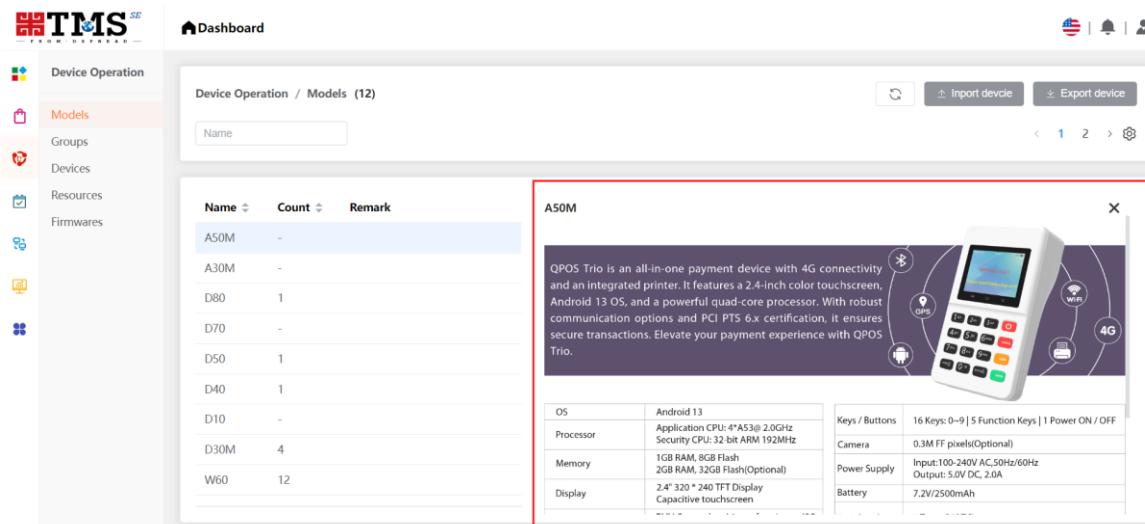
OS	Android 13
Processor	Application CPU: 4*A53@2.0GHz Security CPU: 32-bit ARM 192MHz
Memory	1GB RAM, 8GB Flash 2GB RAM, 32GB Flash(Optional)
Display	2.4" 320 * 240 TFT Display Capacitive touchscreen
Keys / Buttons	16 Keys: 0~9 5 Function Keys 1 Power ON / OFF
Camera	0.3M FF pixels(Optional)
Power Supply	Input:100-240V AC,50Hz/60Hz Output: 5.0V DC, 2.0A
Battery	7.2V/2500mAh

4.1.1 Model Details

Click the button on the right side of the page  to open the device details image, which displays the display image, device introduction, operating system, detailed parameters, memory and other software and hardware information of the device.



The screenshot shows the LarkTMS Device Operation interface, similar to the previous one but with a red box highlighting the left arrow icon in the top right corner of the main content area. This icon is used to close the expanded device details view.



Name	Count	Remark
A50M	-	
A30M	-	
D80	1	
D70	-	
D50	1	
D40	1	
D10	-	
D30M	4	
W60	12	

A50M

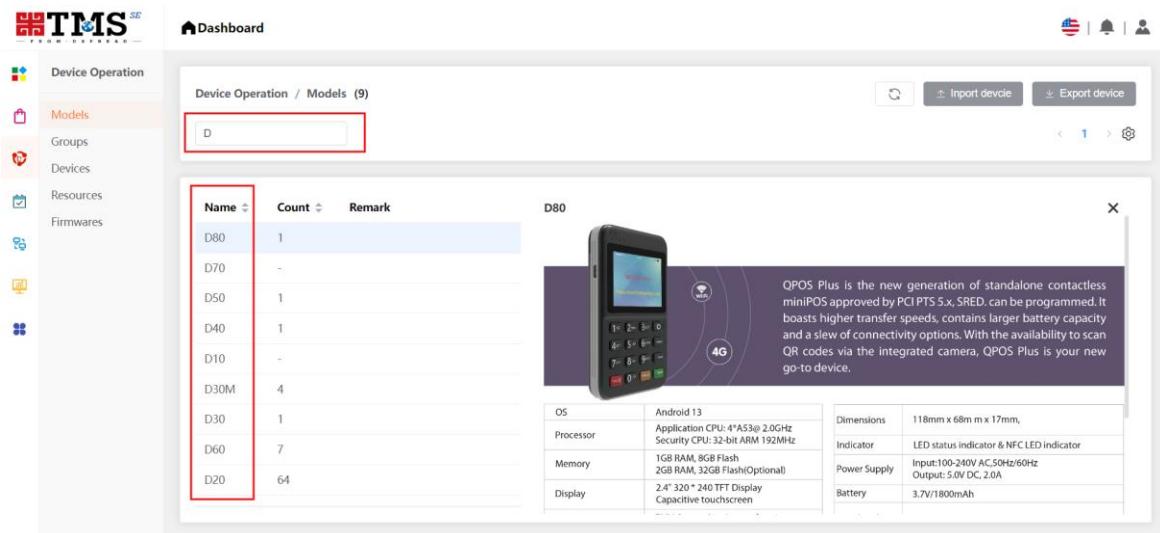
QPOS Trio is an all-in-one payment device with 4G connectivity and an integrated printer. It features a 2.4-inch color touchscreen, Android 13 OS, and a powerful quad-core processor. With robust communication options and PCI PTS 6.x certification, it ensures secure transactions. Elevate your payment experience with QPOS Trio.



OS	Android 13
Processor	Application CPU: 4*A53@ 2.0GHz Security CPU: 32-bit ARM 192MHz
Memory	1GB RAM, 8GB Flash 2GB RAM, 32GB Flash(Optional)
Display	2.4" 320 * 240 TFT Display Capacitive touchscreen
Keys / Buttons	16 Keys: 0~9 5 Function Keys 1 Power ON / OFF
Camera	0.3M FF pixels(Optional)
Power Supply	Input:100-240V AC,50Hz/60Hz Output: 5.0V DC, 2.0A
Battery	7.2V/2500mAh

4.1.2 Search for models

Find the model search box in the upper left corner of the page, enter the name of the model you want to search for in the search box, and click Enter.



Name	Count	Remark
D80	1	
D70	-	
D50	1	
D40	1	
D10	-	
D30M	4	
D30	1	
D60	7	
D20	64	

D80

OPOS Plus is the new generation of standalone contactless miniPOS approved by PCI PTS 5.x, SRED. can be programmed. It boasts higher transfer speeds, contains larger battery capacity and a slew of connectivity options. With the availability to scan QR codes via the integrated camera, QPOS Plus is your new go-to device.



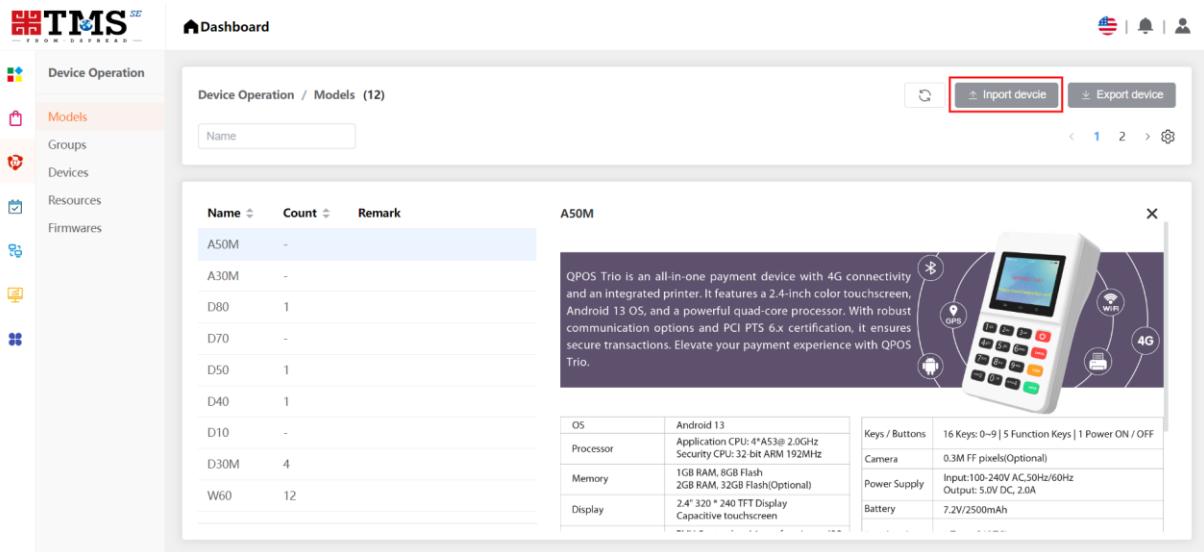
OS	Android 13
Processor	Application CPU: 4*A53@ 2.0GHz Security CPU: 32-bit ARM 192MHz
Memory	1GB RAM, 8GB Flash 2GB RAM, 32GB Flash(Optional)
Display	2.4" 320 * 240 TFT Display Capacitive touchscreen
Dimensions	118mm x 68m x 17mm,
Indicator	LED status indicator & NFC LED indicator
Power Supply	Input:100-240V AC,50Hz/60Hz Output: 5.0V DC, 2.0A
Battery	3.7V/1800mAh

4.1.3. Import the device

Find the "Import device" button in the upper right corner of the page, click it, and then import the device in the pop-up window.

↑ Import device

of the page,



The screenshot shows the 'Device Operation / Models' section of the LarkTMS interface. On the left sidebar, 'Models' is selected. At the top right, there are buttons for 'Import device' (highlighted with a red box) and 'Export device'. Below these are navigation icons for back, forward, and search. The main area displays a table of devices with columns for Name, Count, and Remark. An example row for 'A50M' is shown with a detailed description and a technical specification table. To the right of the table is a diagram of a payment terminal labeled 'QPOS Trio' with various connectivity options like Bluetooth, GPS, WiFi, and 4G.

- In the pop-up page, you need to click the "Template (please download the template file and use it)" button to download the import template, and the template will be displayed as shown in the following figure

	A	B	C	D
1	SN	Model	Remark	
2				
3				
4				
5				
6				
7				
8				
9				
10				

- Enter the *SN number, *Model, and Remark in the template. (The SN number is 20 digits, and the model must be a model that already exists in the system).



- Go back to TMS, click "Drag Files Here Click Upload", [Drag Files Here Click Upload](#) upload the completed form in Step 3, and click Next.
- Click "Submit" to submit the form, and when the interface prompts that the device is successfully imported, the operation is successful.

The screenshot shows the LarkTMS Device Operation interface. On the left, there's a sidebar with icons for Device Operation, Models, Groups, Devices, Resources, and Firmwares. The main area is titled 'Device Operation / Models (1)' and shows a table with columns: Name, Count, and Remark. One row is visible: D80, 2, . At the top right, there are buttons for 'Import device' and 'Export device'. Below the table, there are navigation arrows and a settings gear icon.

Note: Fields with * are required.

4.1.4. Export the device

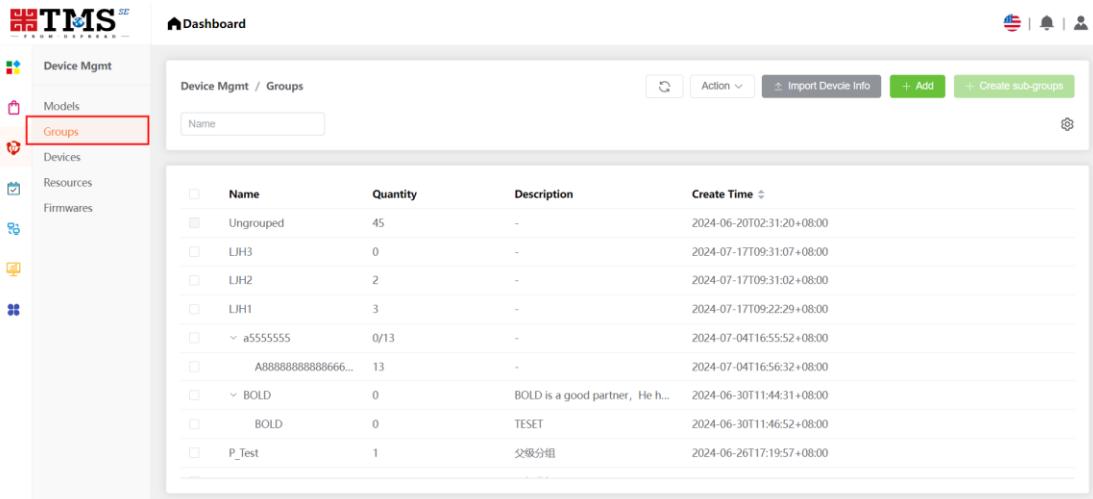
Select the model you want to export, find the "Export device" button in the upper right corner

of the page, and click this button to export all the devices under the selected model to an excel sheet.

The screenshot shows the LarkTMS Device Operation interface. The sidebar and main table structure are identical to the import screen. The 'Export device' button is highlighted with a red box at the top right of the main content area. The rest of the interface elements, including the sidebar icons and the top navigation bar, are visible.

4.2 Group management

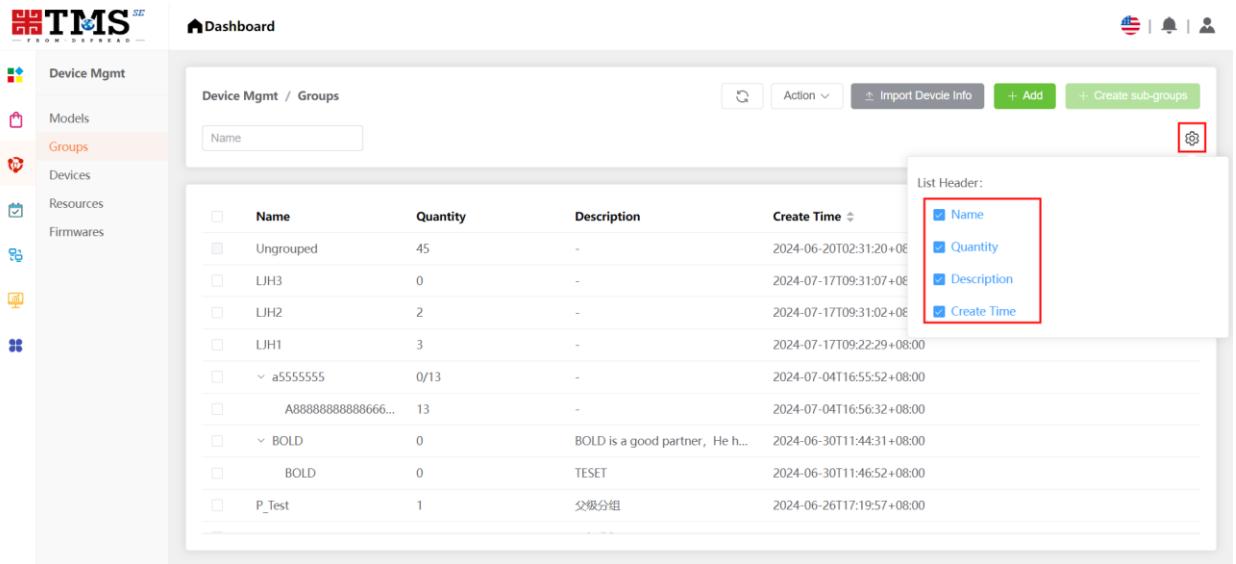
1. Click the 【Device Mgmt】 -> 【Groups】 button on the left menu bar to enter the group management page.



The screenshot shows the 'Device Mgmt / Groups' section of the LarkTMS interface. On the left sidebar, 'Groups' is selected. The main area displays a table with columns: Name, Quantity, Description, and Create Time. The table contains several entries, including 'Ungrouped' (Quantity 45), 'LJH3' (Quantity 0), 'LJH2' (Quantity 2), 'LJH1' (Quantity 3), and several collapsed entries like 'a5555555' and 'A8888888888666...'. At the top right of the table, there is a gear icon.

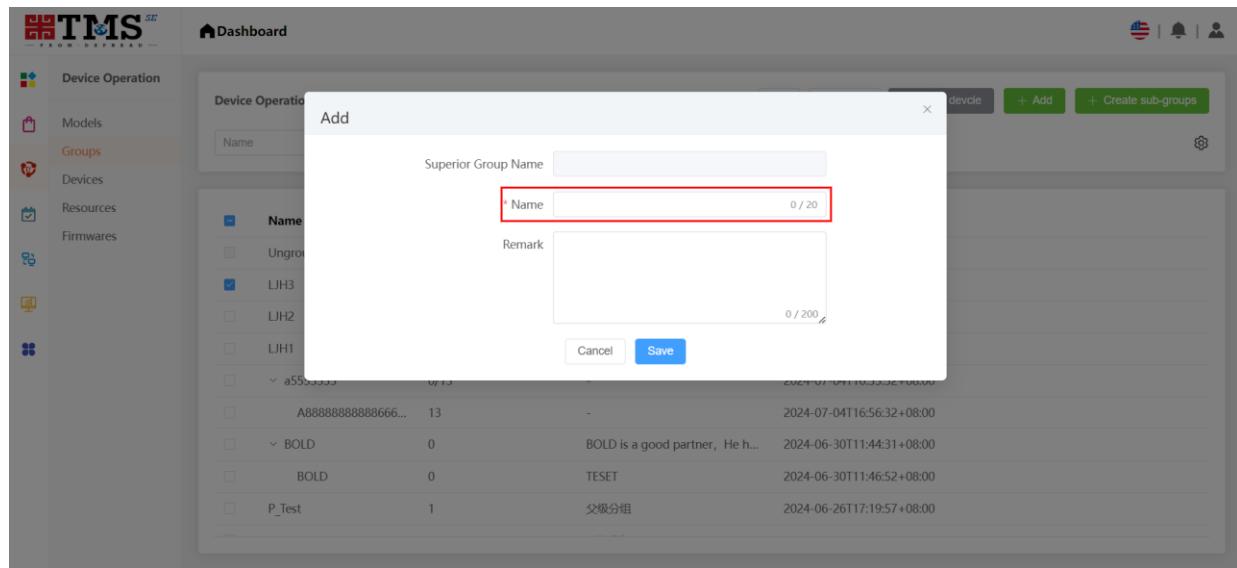
	Name	Quantity	Description	Create Time
<input type="checkbox"/>	Ungrouped	45	-	2024-06-20T02:31:20+08:00
<input type="checkbox"/>	LJH3	0	-	2024-07-17T09:31:07+08:00
<input type="checkbox"/>	LJH2	2	-	2024-07-17T09:31:02+08:00
<input type="checkbox"/>	LJH1	3	-	2024-07-17T09:22:29+08:00
<input type="checkbox"/>	a5555555	0/13	-	2024-07-04T16:55:52+08:00
<input type="checkbox"/>	A8888888888666...	13	-	2024-07-04T16:56:32+08:00
<input type="checkbox"/>	▼ BOLD	0	BOLD is a good partner, He h...	2024-06-30T11:44:31+08:00
<input type="checkbox"/>	BOLD	0	TESET	2024-06-30T11:46:52+08:00
<input type="checkbox"/>	P_Test	1	父级分组	2024-06-26T17:19:57+08:00

2. Find the icon in the upper right corner of the page  , and click it to change the number of data bars displayed in pagination; You can also modify the displayed list header.



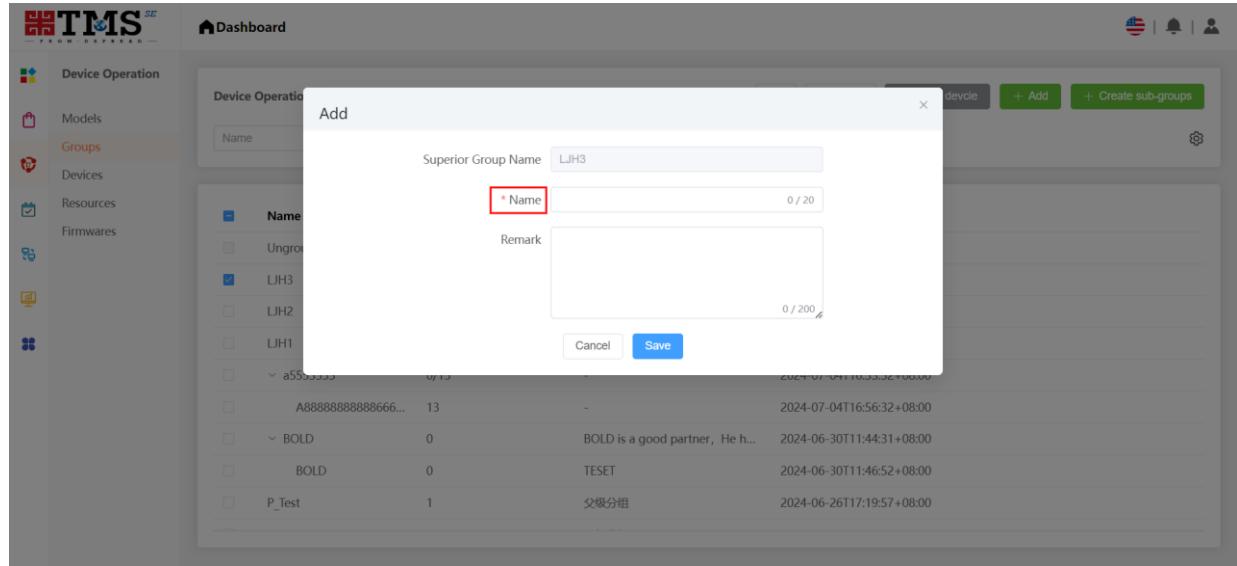
This screenshot is similar to the previous one, but it includes a 'List Header:' dropdown menu on the right side of the table. The menu is titled 'List Header:' and contains four items: 'Name' (selected), 'Quantity', 'Description', and 'Create Time', each preceded by a checkbox. The rest of the interface, including the sidebar and table data, remains the same.

4.2.1 Create a new group



1. Click the Add button in the upper right corner of the page to create a new group in the pop-up window, and you need to fill in the group name and remarks.
2. After confirming that the information is correct, click "Save".

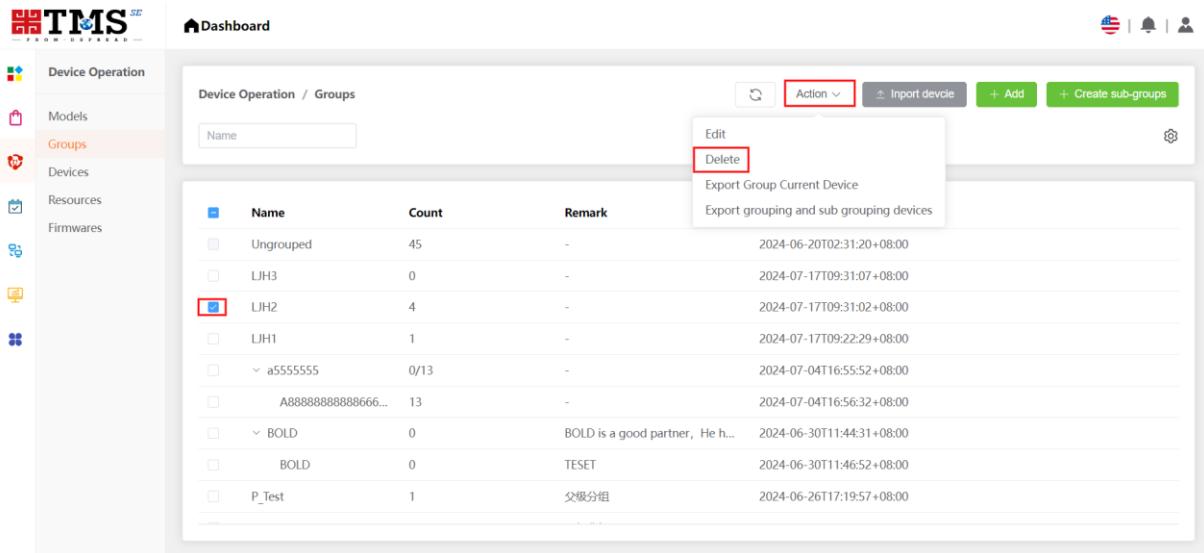
4.2.2 Create a new subgroup



1. Select a group for which you want to create a subgroup.
2. Then click the "Create sub-groups" button at the top right of the interface, and the information of the parent group will be displayed in the pop-up window, and then fill in the group "*name" and remarks information.

3. Confirm that the information is correct and click "Save".

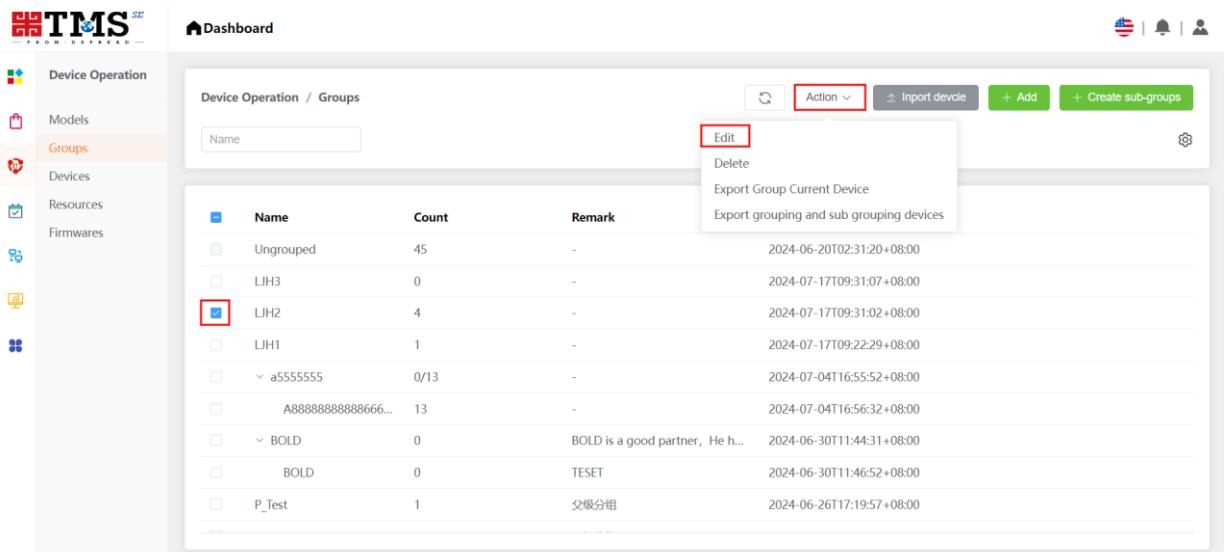
4.2.3 Delete a group



Name	Count	Remark	Date
Ungrouped	45	-	2024-06-20T02:31:20+08:00
UJH3	0	-	2024-07-17T09:31:07+08:00
<input checked="" type="checkbox"/> UJH2	4	-	2024-07-17T09:31:02+08:00
UJH1	1	-	2024-07-17T09:22:29+08:00
a5555555	0/13	-	2024-07-04T16:55:52+08:00
A888888888866...	13	-	2024-07-04T16:56:32+08:00
▼ BOLD	0	BOLD is a good partner, He h...	2024-06-30T11:44:31+08:00
BOLD	0	TESET	2024-06-30T11:46:52+08:00
P_Test	1	父级分组	2024-06-26T11:19:57+08:00

1. Select a group that you want to delete.
2. Click the "Action" button at the top of the interface and click "Delete" in the drop-down box.
3. Click OK in the pop-up window to delete the group.

4.2.4 Modify the group



Name	Count	Remark	Date
Ungrouped	45	-	2024-06-20T02:31:20+08:00
UJH3	0	-	2024-07-17T09:31:07+08:00
<input checked="" type="checkbox"/> UJH2	4	-	2024-07-17T09:31:02+08:00
UJH1	1	-	2024-07-17T09:22:29+08:00
a5555555	0/13	-	2024-07-04T16:55:52+08:00
A888888888866...	13	-	2024-07-04T16:56:32+08:00
▼ BOLD	0	BOLD is a good partner, He h...	2024-06-30T11:44:31+08:00
BOLD	0	TESET	2024-06-30T11:46:52+08:00
P_Test	1	父级分组	2024-06-26T11:19:57+08:00

1. Select a group that needs to be modified.
2. Click the "Action" button at the top of the interface and click the "Edit" button in the drop-down box.
3. In the pop-up window, modify the *group name and description
4. Click "Save".

4.2.5 Query grouping

The screenshot shows the 'Device Operation / Groups' section of the LarkTMS interface. On the left, there is a sidebar with icons for Device Operation, Models, Groups (which is highlighted), Devices, Resources, and Firmwares. The main area has a search bar labeled 'Name' with a red box around it. Below the search bar is a table with columns: Name, Count, Remark, and Create Time. The table lists several groups: 'Ungrouped' (Count 45), 'LJH3' (Count 0), 'LJH2' (Count 4), 'LJH1' (Count 1), a collapsed group 'a5555555' (Count 0/13), an expanded group 'A8888888888666...' (Count 13), a collapsed group 'BOLD' (Count 0), an expanded group 'BOLD' (Count 0 with Remark 'BOLD is a good partner, He h...'), and 'P_Test' (Count 1). Buttons at the top right include 'Import devcie' (red), '+ Add', and '+ Create sub-groups'.

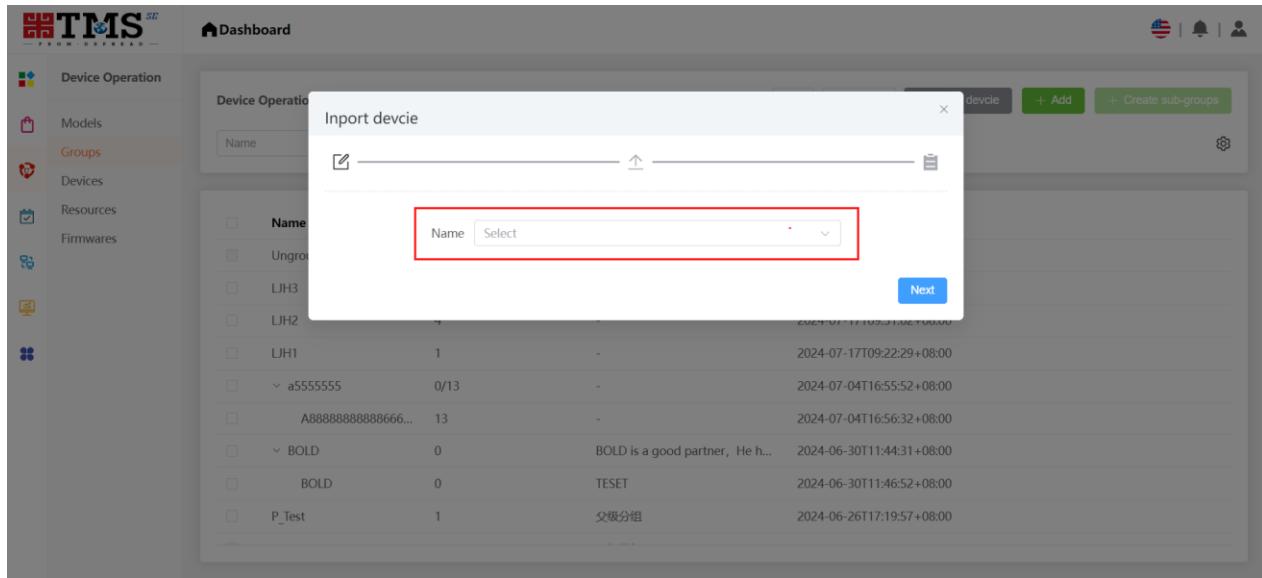
- Find the input box in the upper left corner of the group management page and enter the full name or part of the keywords to be searched.
- After completing the input check, click the Enter button to perform the query operation.

4.2.6 Import devices

Find the "Import device" button in the upper right corner of the page, click it, and then import the device in the pop-up window.

The screenshot shows the same 'Device Operation / Groups' page as before, but with the 'Import devcie' button highlighted in red. This button is located in the top right corner of the main content area. The rest of the interface, including the sidebar and the table of groups, remains the same.

- On the page that appears, select the group to which the device is imported.



- After selecting the import location, click Next, you need to click the "[Template \(please download the template file and use it\)](#)" button to download the import template, the template will be displayed as shown in the following figure

	A	B	C	D
1	SN	Model	Remark	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

- Enter the *SN number, *Model, and Remark in the template. (The SN number is 20 digits, and the model must be a model that already exists in the system).

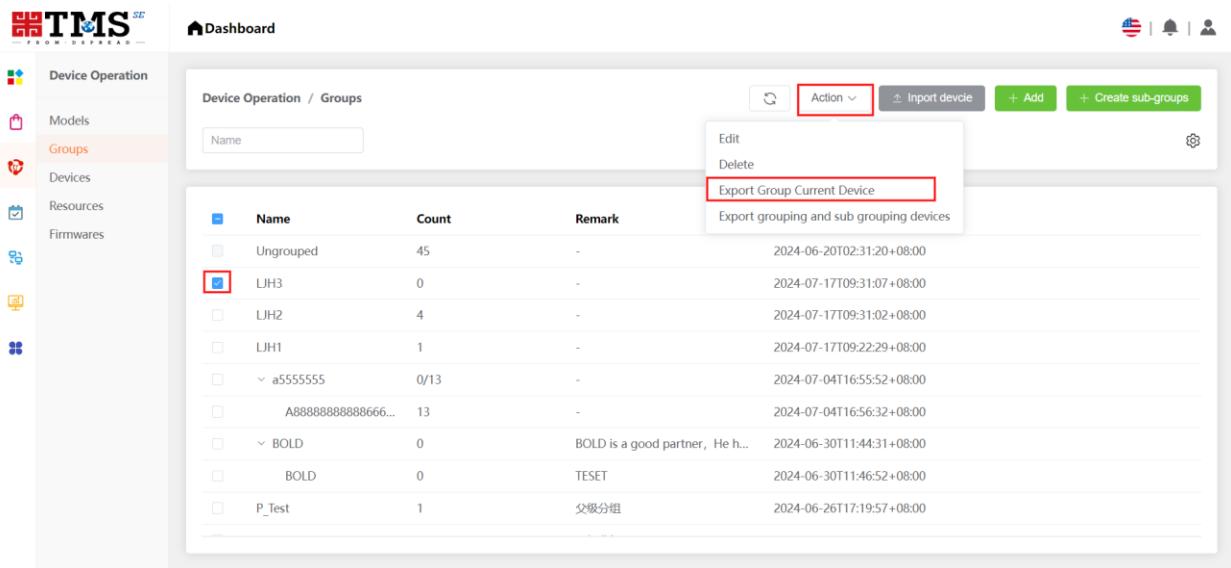


- Go back to TMS, click "Drag Files Here Click Upload", [Drag Files Here Click Upload](#) upload the completed form in Step 3, and click Next.
- Click "Submit" to submit the form, and when the interface prompts that the device is successfully imported, the operation is successful.

Note: Fields with * are required.

4.2.7. Export the current device in the group

1. Select one or more groups to which you want to export devices
2. Click the Action button at the top of the page and select Export Group Current Device from the drop-down list



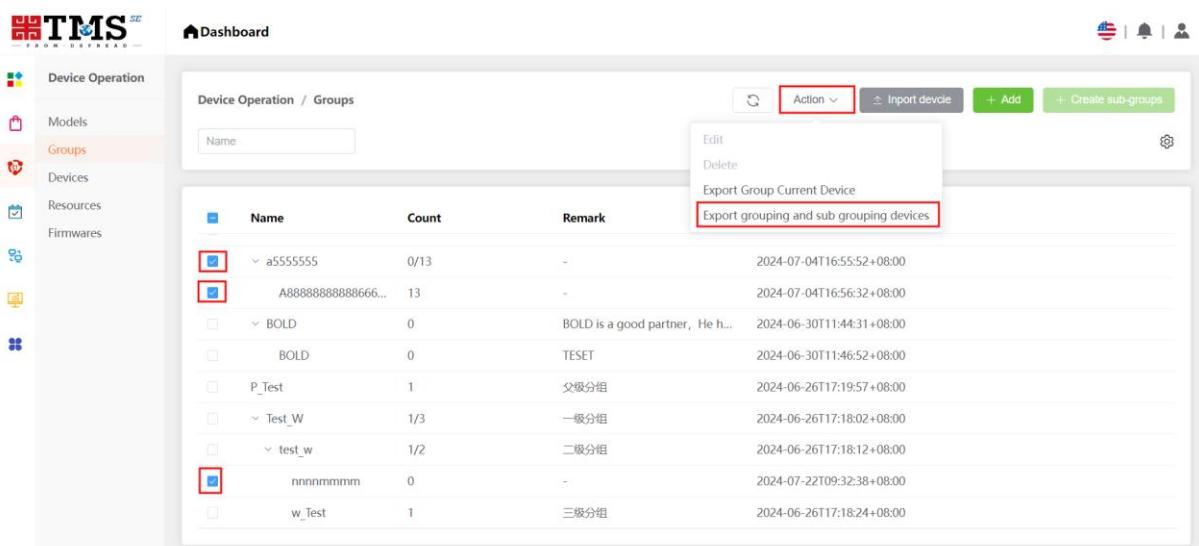
The screenshot shows the LarkTMS interface for managing device groups. On the left, there's a sidebar with icons for Device Operation, Models, Groups (which is highlighted), Devices, Resources, and Firmwares. The main area is titled 'Device Operation / Groups' and contains a table with columns: Name, Count, and Remark. A search bar labeled 'Name' is at the top. An 'Action' button with a dropdown arrow is visible. A context menu is open over a row for a group named 'LJH3'. The menu items are 'Edit', 'Delete', and 'Export Group Current Device', with the last one being highlighted by a red box. Below the table, a note says 'Export grouping and sub grouping devices'.

Name	Count	Remark	
Ungrouped	45	-	2024-06-20T02:31:20+08:00
<input checked="" type="checkbox"/> LJH3	0	-	2024-07-17T09:31:07+08:00
<input type="checkbox"/> UH2	4	-	2024-07-17T09:31:02+08:00
<input type="checkbox"/> LJH1	1	-	2024-07-17T09:22:29+08:00
<input type="checkbox"/> a5555555	0/13	-	2024-07-04T16:55:52+08:00
<input type="checkbox"/> A8888888888666...	13	-	2024-07-04T16:56:32+08:00
<input type="checkbox"/> BOLD	0	BOLD is a good partner, He h...	2024-06-30T11:44:31+08:00
<input type="checkbox"/> BOLD	0	TESET	2024-06-30T11:46:52+08:00
<input type="checkbox"/> P_Test	1	父级分组	2024-06-26T17:19:57+08:00

3. All devices in the selected group will be exported.

4.2.8. Export grouping and sub-grouping devices

1. Select one or more groups to which you want to export devices
2. Click the Action button at the top of the page and select Export grouping and sub-grouping devices from the drop-down list.



This screenshot shows the same LarkTMS interface as the previous one, but with multiple groups selected for export. The 'Groups' icon in the sidebar is still highlighted. In the main table, several groups have their checkboxes checked and are highlighted with red boxes. The context menu for one of these selected groups shows the 'Export grouping and sub grouping devices' option, which is also highlighted with a red box. The note below the table remains the same.

Name	Count	Remark	
<input checked="" type="checkbox"/> a5555555	0/13	-	2024-07-04T16:55:52+08:00
<input checked="" type="checkbox"/> A8888888888666...	13	-	2024-07-04T16:56:32+08:00
<input type="checkbox"/> BOLD	0	BOLD is a good partner, He h...	2024-06-30T11:44:31+08:00
<input type="checkbox"/> BOLD	0	TESET	2024-06-30T11:46:52+08:00
<input type="checkbox"/> P_Test	1	父级分组	2024-06-26T17:19:57+08:00
<input type="checkbox"/> Test_W	1/3	一级分组	2024-06-26T17:18:02+08:00
<input type="checkbox"/> test_w	1/2	二级分组	2024-06-26T17:18:12+08:00
<input checked="" type="checkbox"/> nnnnnnnnnn	0	-	2024-07-22T09:32:38+08:00
<input type="checkbox"/> w_Test	1	三级分组	2024-06-26T17:18:24+08:00

3. Devices that have selected a grouping and all its subgroups are exported.

4.3 Device Management

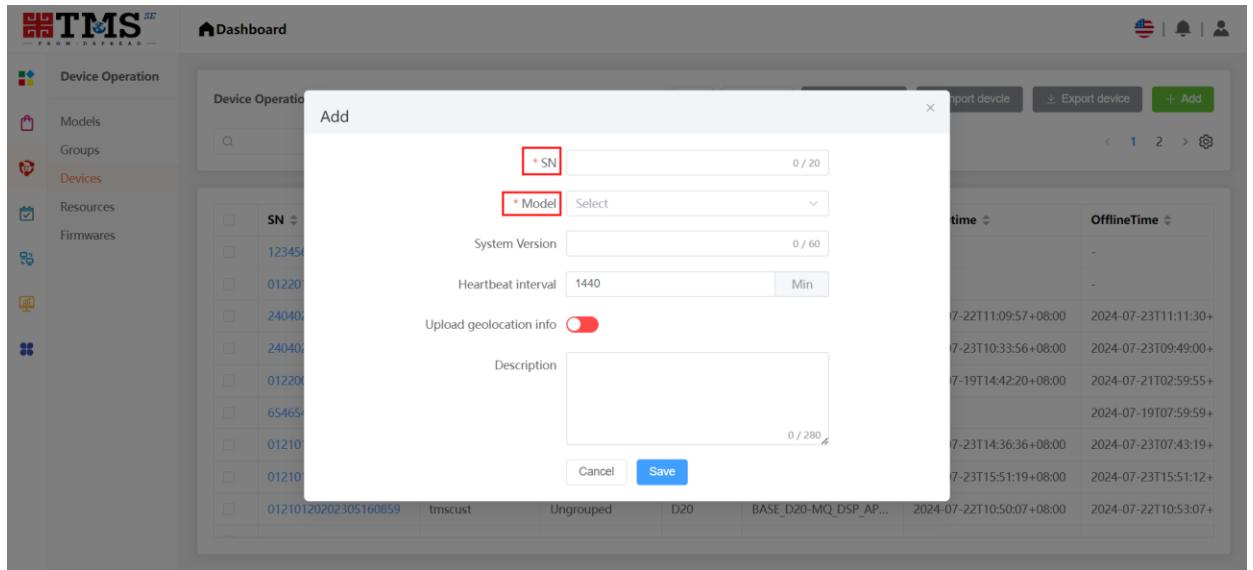
1. Click the 【Device】->【Devices】 button on the left menu bar to enter the device management page.

	SN	Organization	Group	Model	System Version	Onlinetime	OfflineTime
<input type="checkbox"/>	12345678901234567890	tmscust	Ungrouped	D80	-	-	-
<input type="checkbox"/>	01220100202210100112	tmscust	Ungrouped	D20	-	-	-
<input type="checkbox"/>	24040200599240000000	tmscust	Ungrouped	D30M	BASE_D30M-MT_DSP_A...	2024-07-22T11:09:57+08:00	2024-07-23T11:11:30+
<input type="checkbox"/>	24040200600020000000	tmscust	Ungrouped	D30M	BASE_D30M-MT_DSP_A...	2024-07-23T10:33:56+08:00	2024-07-23T09:49:00+
<input type="checkbox"/>	01220080202203230186	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-19T14:42:20+08:00	2024-07-19T02:59:55+
<input type="checkbox"/>	654654656556132322	tmscust	LJH1	D20	-	-	2024-07-19T07:59:59+
<input type="checkbox"/>	01210140202309040865	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-23T14:36:36+08:00	2024-07-23T07:43:19+
<input type="checkbox"/>	01210140202309040936	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-23T15:51:19+08:00	2024-07-23T15:51:12+
<input type="checkbox"/>	01210120202305160859	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-22T10:50:07+08:00	2024-07-22T10:53:07+

2. Find the icon in the upper right corner of the page , and click it to change the number of data bars displayed in pagination; You can also modify the displayed list header.

	SN	Organization	System Version	Online/Offline
<input type="checkbox"/>	01220100202210100793	tmscust	BASE_D20-MQ_DSP_AP_V0.0.4_202...	Online
<input type="checkbox"/>	01220100202210100875	tmscust	BASE_D20-MQ_DSP_AP_V0.0.4_202...	Online
<input type="checkbox"/>	01620030202305080004	tmscust	BASE_D60-MR_DSP_AP_20240805	Offline
<input type="checkbox"/>	01210140202309040936	tmscust	BASE_D20-MQ_DSP_AP_V0.0.4_202...	Online
<input type="checkbox"/>	01220080202203230094	Test_jishuzhibu_001	BASE_D20-MQ_DSP_AP_V0.0.4_202...	Offline
<input type="checkbox"/>	12098604523120601960	Test_jishuzhibu	D20_Wirebit_debug_20240126	Online
<input type="checkbox"/>	10047593759602759689	tmscust	BASE_D20-MQ_DSP_AP_V0.0.1_202...	Offline
<input type="checkbox"/>	01620030202305080022	Test_yanfa	BASE_D60-MR_DSP_AP_V0.0.1_202...	Offline
<input type="checkbox"/>	01610020202304040038	Test_yanfa	BASE_D60-MR_DSP_AP_V0.0.4_202...	Online

4.3.1 Add new devices



1. Click the Add button in the upper right corner  of the page to add a device in the pop-up window

- Enter the *Device ID of the terminal device (the device number is the 20-digit serial number behind the terminal).
- Select the *model of the device.
- Enter the System Version for the device.
- Enter the Heartbeat Interval for the device.
- Choose whether to report the device location.
- Enter a Note for the device.

Note: Fields with * are required.

2. After confirming that the information is correct, click "Save" to add the device.

4.3.2 Remove the device

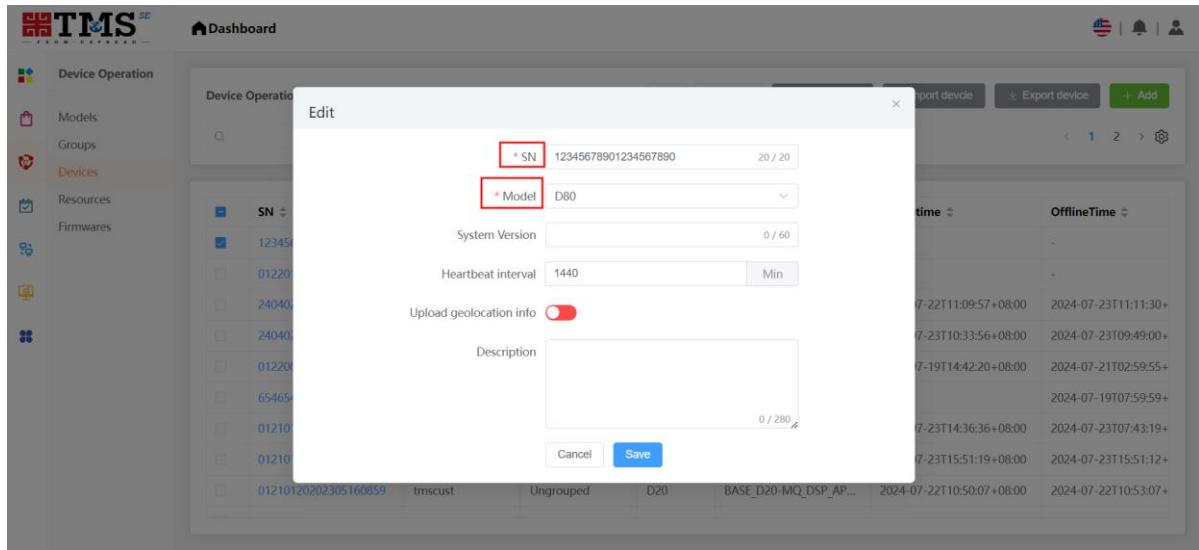
The screenshot shows the LarkTMS Device Operation interface. On the left, there's a sidebar with icons for Device Operation, Models, Groups, Devices (which is selected), Resources, and Firmwares. The main area is titled 'Device Operation / Devices (91)'. It features a search bar and a table with columns: SN, Organization, Group, Status (Enabled/Disabled), Onlinetime, and OfflineTime. One row in the table has a blue checkbox checked. A context menu is open over this row, with 'Delete' highlighted. Other options in the menu include 'Edit' and 'Enable'. At the top right of the main area, there are buttons for Action (with a dropdown arrow), Move device, Import device, Export device, and Add.

1. Select the device you want to delete, find the "Action" button in the upper right corner of the interface, click the "Delete" button in the drop-down box.
2. Click Confirm in the pop-up window to remove the device.

4.3.3 Editing Devices

This screenshot is identical to the one above, showing the LarkTMS Device Operation interface. It displays the 'Devices' section with a table of device data. A specific row is selected and a context menu is open, with the 'Edit' option highlighted. The rest of the interface elements, including the sidebar, table headers, and top buttons, are consistent with the previous screenshot.

1. Select the device you want to edit, find the "Action" button in the upper right corner of the interface, click the "Edit" button in the drop-down box.
2. In the pop-up window, the information that can be edited is the same as the information entered when adding a new device.
3. Click "Save" to complete the modification.



4.3.4 Query device

SN	Organization	Group	Model	System Version	Onlinetime	OfflineTime
12345678901234567890	tmscust	Ungrouped	D80	-	2024-07-22T11:09:57+08:00	2024-07-23T11:11:30+
01220100202210100112	tmscust	Ungrouped	D20	-	2024-07-23T10:33:56+08:00	2024-07-23T09:49:00+
24040200599240000000	tmscust	Ungrouped	D30M	BASE_D30M-MT_DSP_A...	2024-07-22T11:09:57+08:00	2024-07-23T11:13:00+
24040200600020000000	tmscust	Ungrouped	D30M	BASE_D30M-MT_DSP_A...	2024-07-23T10:33:56+08:00	2024-07-23T09:49:00+
01220080202203230186	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-19T14:42:20+08:00	2024-07-21T02:59:55+
654654655613232322	tmscust	LH1	D20	-	-	2024-07-19T07:59:59+
01210140202309040865	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-23T14:36:36+08:00	2024-07-23T07:43:19+
01210140202309040936	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-23T15:51:19+08:00	2024-07-23T15:51:12+
01210120202305160859	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-22T10:50:07+08:00	2024-07-22T10:53:07+

- Find the search box in the top left corner of the main interface and click it
- Based on the keywords displayed in the search drop-down box, select the keywords to be queried and enter or select them. You can select a single conditional query or a federated query with multiple criteria.

The screenshot shows the 'Device Operation / Devices (23)' section. On the left, there's a sidebar with icons for Device Operation, Models, Groups, Devices (which is selected and highlighted in orange), Resources, and Firmwares. The main area has a search bar at the top with a magnifying glass icon. Below it is a table with columns: SN, Organization, Group, Model, System Version, and Onlinetime. The table contains several rows of device data. At the bottom of the table are 'Search' and 'Reset' buttons.

Search

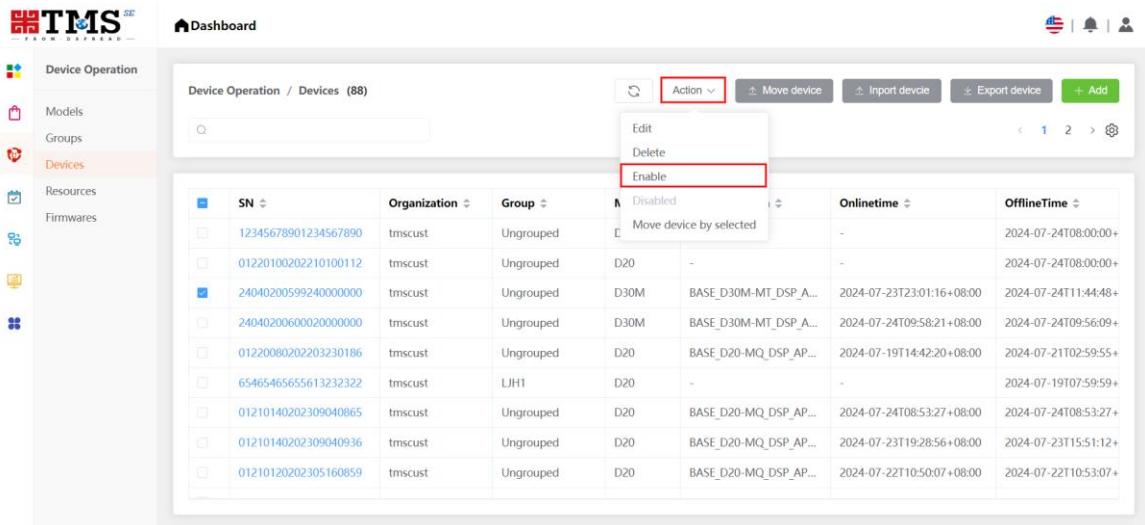
3.Click "Search" to complete the search

4.3.5 Disable/Enable the Device

1. New devices are enabled by default.
2. Select the device you want to disable, click the "Action" button at the top of the page, and click the "Disabled" button in the drop-down box.

The screenshot shows the 'Device Mgmt / Devices (89)' section. The sidebar is identical to the previous one. The main area has an 'Action' button at the top with a dropdown menu. The 'Disabled' option in this menu is highlighted with a red box. Below is a table of device records. The first row in the table has a checked checkbox and is highlighted in blue. The table has columns: SN, Organization, Group, System Version, Online Time, and Offline Time. The table contains many rows of device data.

3. In the pop-up window, click OK to disable the device. (**Disabled devices cannot receive task pushes**).
4. Select the device you want to enable, then click the "Action" button at the top of the page and click the "Enabled" button in the drop-down box.



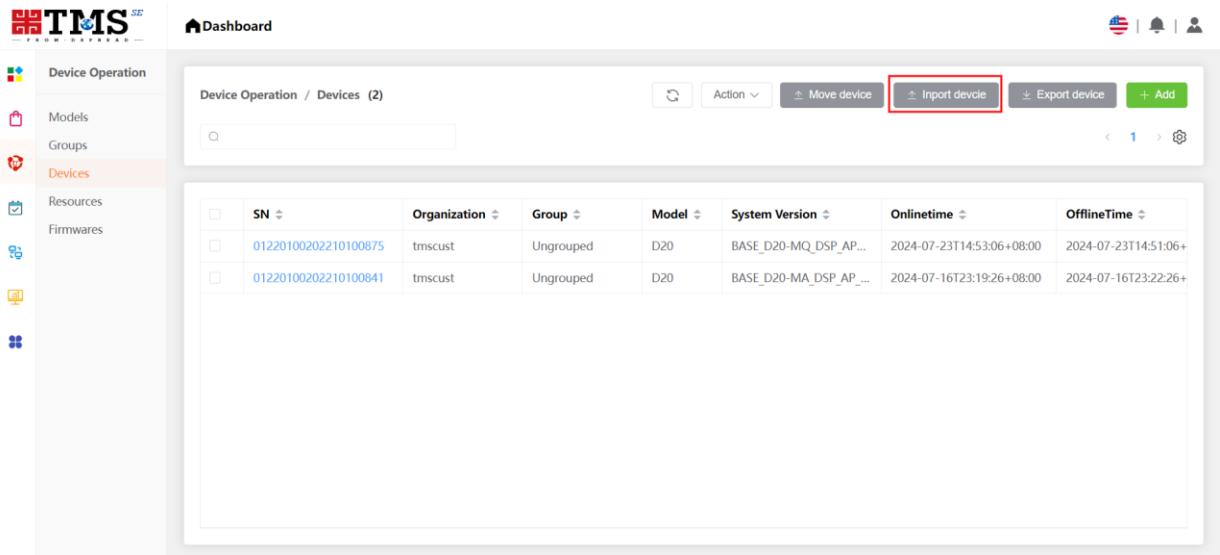
The screenshot shows the 'Device Operation / Devices (88)' section. The 'Action' dropdown menu is open, with 'Enable' highlighted by a red box.

SN	Organization	Group	Model	System Version	Onlinetime	OfflineTime
12345678901234567890	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-23T23:01:16+08:00	2024-07-24T08:00:00+
01220100202210100112	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-24T09:58:21+08:00	2024-07-24T09:56:09+
24040200599240000000	tmscust	Ungrouped	D30M	BASE_D30M-MT_DSP_A...	2024-07-23T23:01:16+08:00	2024-07-24T11:44:48+
24040200600020000000	tmscust	Ungrouped	D30M	BASE_D30M-MT_DSP_A...	2024-07-24T09:58:21+08:00	2024-07-24T09:56:09+
01220080202203230186	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-19T14:42:20+08:00	2024-07-21T02:59:55+
654654656561323232	tmscust	LJH1	D20	BASE_D20-MQ_DSP_AP...	2024-07-19T07:59:59+08:00	2024-07-19T07:59:59+
01210140202309040865	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-24T08:53:27+08:00	2024-07-24T08:53:27+
01210140202309040936	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-23T19:28:56+08:00	2024-07-23T15:51:12+
01210120202305160859	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-22T10:50:07+08:00	2024-07-22T10:53:07+

- In the pop-up window, click OK to enable the device.

4.3.6 Import Devices

Find the "Import device" button in the button at the top of the page, click it and import the device in the pop-up window.



The screenshot shows the 'Device Operation / Devices (2)' section. The 'Import device' button is highlighted by a red box.

SN	Organization	Group	Model	System Version	Onlinetime	OfflineTime
01220100202210100875	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-23T14:53:06+08:00	2024-07-23T14:51:06+
01220100202210100841	tmscust	Ungrouped	D20	BASE_D20-MA_DSP_AP...	2024-07-16T23:19:26+08:00	2024-07-16T23:22:26+

- In the pop-up page, you can choose to import the device to three locations, namely:
 - Default group of the current organization: Select by clicking the "Current Organization" radio box.
 - Default grouping for other organizations: Select by clicking on the "Organization" radio box.
 - Other groups of the current organization: Select by clicking on the "Group" radio box.
- After selecting the import location, click Next, you need to click the "[Template \(please download the template file and use it\)](#)" button to download the template, and the template will be displayed as shown below

	A	B	C	D
1	SN	Model	Remark	
2				
3				
4				
5				
6				
7				
8				
9				
10				

3. Enter the *SN number, *Model, and Remark in the template. (The SN number is 20 digits, and the model must be a model that already exists in the system).



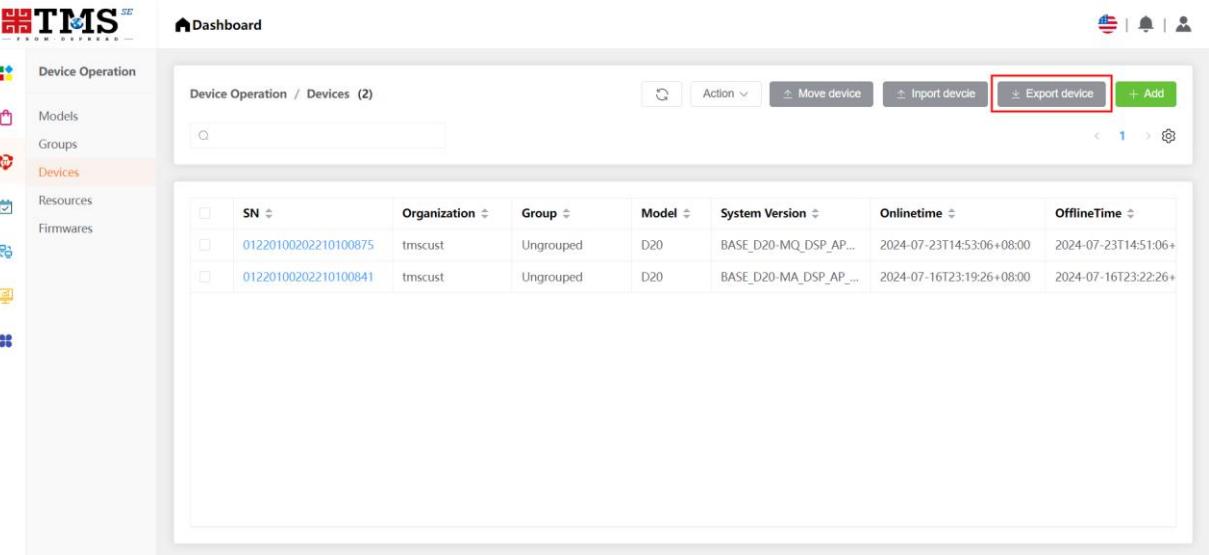
4. Go back to TMS, click "Drag Files Here Click Upload", [Drag Files Here Click Upload](#) upload the completed form in Step 3, and click Next.
 5. Click "Submit" to submit the form, and when the interface prompts that the device is successfully imported, the operation is successful.

Note: Fields with * are required.

4.3.7 Exporting Devices

Export device

Find the "Export device" button in the upper right corner of the page and click it to export all the devices in the current search results to an excel sheet.



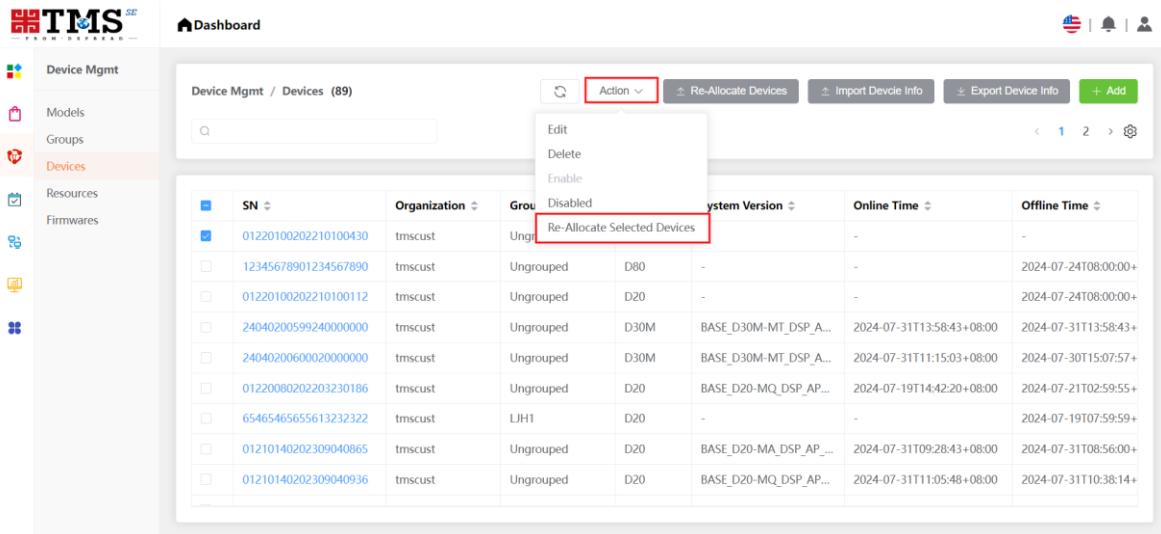
The screenshot shows the TMS Device Operation / Devices page. On the left, there's a sidebar with navigation links: Device Operation, Models, Groups, Devices (which is highlighted in orange), Resources, and Firmwares. The main area displays a table of device details. At the top right of the main area, there are several buttons: Refresh, Action, Move device, Import device, Export device (which is highlighted with a red box), and Add. Below these buttons, there are pagination controls (page 1 of 1) and a refresh icon. The table has columns for SN, Organization, Group, Model, System Version, Onlinetime, and OfflineTime. Two rows of data are visible:

	SN	Organization	Group	Model	System Version	Onlinetime	OfflineTime
<input type="checkbox"/>	01220100202210100875	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-23T14:53:06+08:00	2024-07-23T14:51:06+
<input type="checkbox"/>	01220100202210100841	tmscust	Ungrouped	D20	BASE_D20-MA_DSP_AP...	2024-07-16T23:19:26+08:00	2024-07-16T23:22:26+

4.3.8 Mobile Devices

4.3.8.1 Select Device Movement

1. Select the device that needs to be moved, and support multiple selection
2. After the selection is complete, click the Action button at the top of the page and click Re-Allocate Selected Devices in the drop-down list



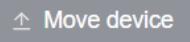
SN	Organization	Group	System Version	Online Time	Offline Time
01220100202210100430	tmscust	Ungrouped	D80	-	2024-07-24T08:00:00+
12345678901234567890	tmscust	Ungrouped	D20	-	2024-07-24T08:00:00+
01220100202210100112	tmscust	Ungrouped	D30M	BASE_D30M-MT_DSP_A...	2024-07-31T13:58:43+08:00
24040200599240000000	tmscust	Ungrouped	D30M	BASE_D30M-MT_DSP_A...	2024-07-31T11:15:03+08:00
24040200600020000000	tmscust	Ungrouped	D30M	BASE_D30M-MT_DSP_A...	2024-07-30T15:07:57+
0122008020220320186	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP...	2024-07-19T14:42:20+08:00
654654656561323232	tmscust	LH1	D20	-	2024-07-19T07:59:59+
01210140202309040865	tmscust	Ungr.	D20	BASE_D20-MA_DSP_AP...	2024-07-31T09:28:43+08:00
01210140202309040936	tmscust	Ungr.	D20	BASE_D20-MQ_DSP_AP...	2024-07-31T11:05:48+08:00

3. In the pop-up page, you can choose to import the device to three locations, which are:

- Default group of the current organization: Select by clicking the "Current Organization" radio box.
- Default grouping for other organizations: Select by clicking on the "Organization" radio box.
- Other groupings of the current organization: by clicking on the "Group" radio box.

4. Click "Save".

4.3.8.2 Batch device movement

1. Click the "Move device" button  at the top of the page.

2. In the pop-up page, you can choose to import the device to three locations, which are:

- Default group of the current organization: Select by clicking the "Current Organization" radio box.
- Default grouping for other organizations: Select by clicking on the "Organization" radio box.
- Other groups of the current organization: Select by clicking on the "Group" radio box.

3. After selecting the mobile location, click Next, you need to click the "[Template \(please download\)](#)

the template file and use it)" button to download the template

4. Enter the imported *SN number (where the SN number is a 20-digit number) in the template, as shown in the following figure

	A	B	C	D
1	SN			
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				



5. Go back to the TMS system, click on "Drag Files Here Click Upload", [Drag Files Here Click Upload](#) upload the completed form in step 4, and click Next.

6. Click "Submit" to submit the form.

Note: Fields with * are required.

4.4 Firmware Management

1. Click the 【Device】->【Firmwares】 button on the left menu bar to enter the firmware management page.

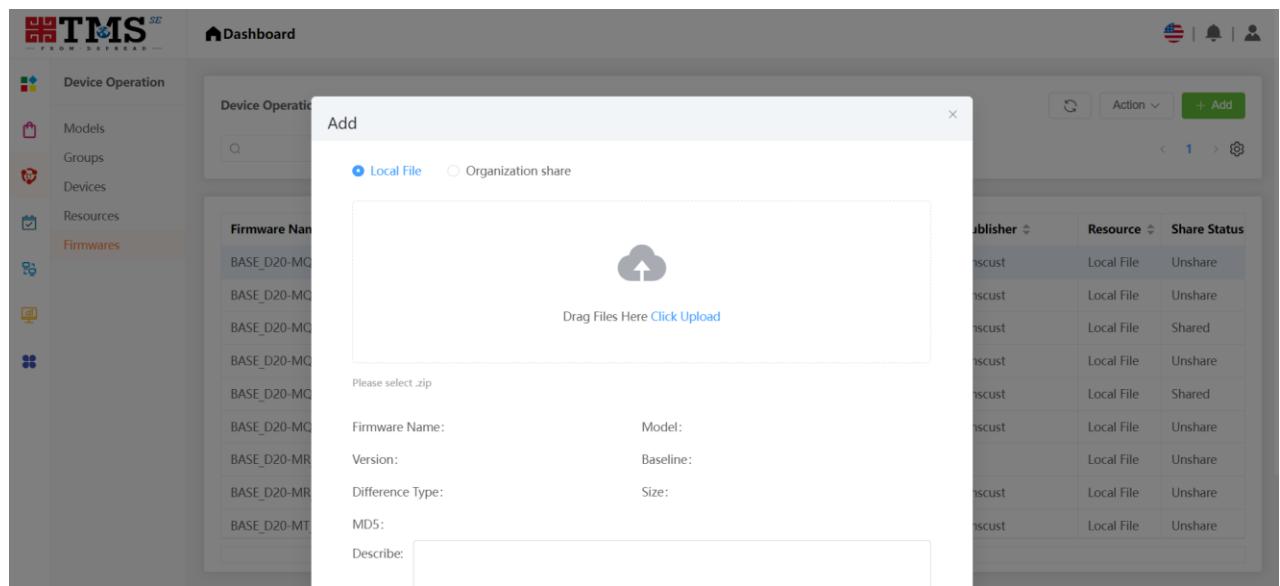
The screenshot shows the LarkTMS interface for managing device operations. The left sidebar has a 'Device Operation' section with 'Models', 'Groups', 'Devices', 'Resources', and 'Firmwares'. The 'Firmwares' tab is highlighted with a red box. The main content area is titled 'Device Operation / Firmwares (12)' and displays a table with columns: Firmware Name, Model, Version, Status, Release Time, Publisher, Resource, and Share Status. The table lists various firmwares like BASE_D20-MQ_DSP_AP, BASE_D20-MQ_DSP_SDK, etc., with details such as V0.0.4, D20, V1.2.2, etc.

2. Find the icon in the upper right corner of the page , and click it to change the number of data bars displayed in pagination; You can also modify the displayed list header.

This screenshot shows the same LarkTMS interface as above, but with a modal window open on the right side. The modal is titled 'Number of' and contains three radio buttons: 10, 25, and 50, with '50' selected. Below this is a section titled 'Items:' with checkboxes for 'Firmware Name', 'Model', 'Version', 'Status', 'Release Time', 'Publisher', 'Resource', and 'Share Status'. There is also a 'Header:' section with checkboxes for the same eight items. This allows users to customize the number of items per page and the specific fields displayed in the list header.

4.4.1 Add firmware

4.4.1.1 Add local firmware



1.Click the "Add" button at the top right of the interface 

2.In the pop-up window, select "Local"  to add the local firmware

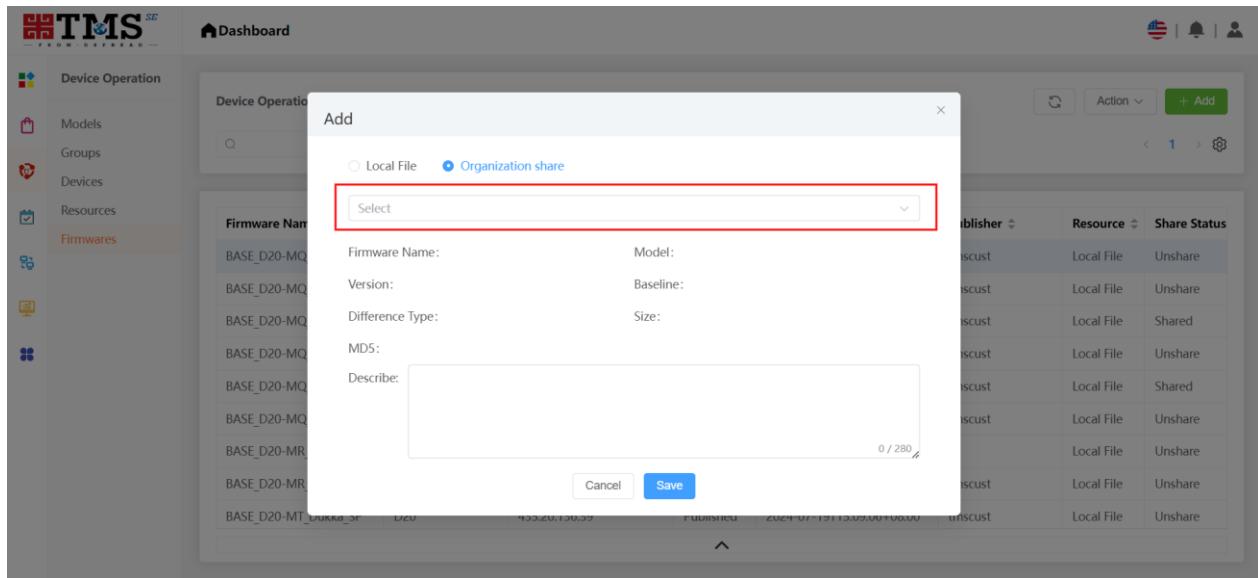
3. Click  the icon and select the firmware package to be uploaded, and the system will automatically parse the information of the firmware package.

4.Fill in the description of the firmware package, confirm that it is correct, and click Save.

4.4.1.2 Add shared firmware

1.Click the "Add" button at the top right of the interface 

2.In the pop-up window, select Organizations  to add the organization's shared firmware

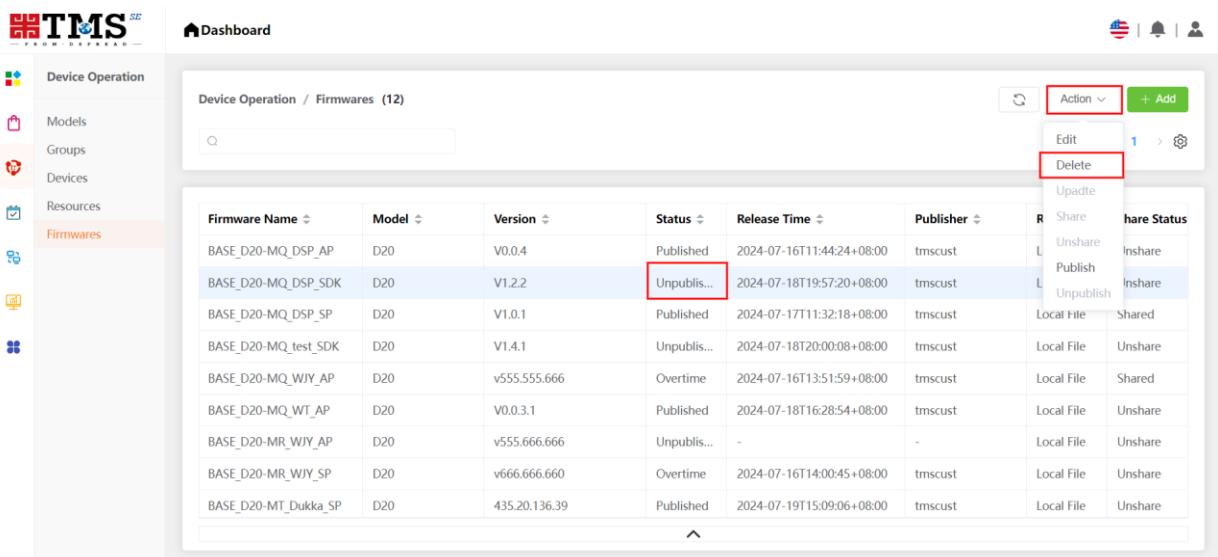


Publisher	Resource	Share Status
tmscust	Local File	Unshare
tmscust	Local File	Unshare
tmscust	Local File	Shared
tmscust	Local File	Unshare
tmscust	Local File	Shared
tmscust	Local File	Unshare

3. Select a firmware shared by the parent organization in the Select selection box.

4. The system will automatically parse out the corresponding information and click Save.

4.4.2 Remove the firmware



Firmware Name	Model	Version	Status	Release Time	Publisher	Action
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Published	2024-07-16T11:44:24+08:00	tmscust	Edit
BASE_D20-MQ_DSP_SDK	D20	V1.2.2	Unpublis...	2024-07-18T19:57:20+08:00	tmscust	Delete
BASE_D20-MQ_DSP_SP	D20	V1.0.1	Published	2024-07-17T11:32:18+08:00	tmscust	Update
BASE_D20-MQ_test_SDK	D20	V1.4.1	Unpublis...	2024-07-18T20:00:08+08:00	tmscust	Share
BASE_D20-MQ_WJY_AP	D20	v555.555.666	Overtime	2024-07-16T13:51:59+08:00	tmscust	Unshare
BASE_D20-MQ_WT_AP	D20	V0.0.3.1	Published	2024-07-18T16:28:54+08:00	tmscust	Publish
BASE_D20-MR_WJY_AP	D20	v566.666.666	Unpublis...	-	tmscust	Unpublish
BASE_D20-MR_WJY_SP	D20	v666.666.660	Overtime	2024-07-16T14:00:45+08:00	tmscust	Local File
BASE_D20-MT_Dukka_SP	D20	435.20.136.39	Published	2024-07-19T15:09:06+08:00	tmscust	Unshare

- Note:** Firmware can be removed only if it is in a non-release state
- Click the firmware row you want to remove, click the "Action" button at the top of the page, and click "Delete" in the drop-down box.
- Click Confirm in the pop-up window to remove the firmware.

4.4.3 Modify the firmware

The screenshot shows the 'Device Operation / Firmwares (12)' page. On the left is a sidebar with icons for Device Operation, Models, Groups, Devices, Resources, and Firmwares (which is selected). The main area displays a table of firmwares with columns: Firmware Name, Model, Version, Status, Release Time, Publisher, and Action. The 'Action' column contains buttons for Edit, Delete, Update, Share, Unshare, Publish, Unpublish, Local File, and Shared. The 'Edit' button is highlighted with a red box.

Firmware Name	Model	Version	Status	Release Time	Publisher	Action
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Published	2024-07-16T11:44:24+08:00	tmscust	Edit
BASE_D20-MQ_DSP_SDK	D20	V1.2.2	Unpublis...	2024-07-18T19:57:20+08:00	tmscust	Delete
BASE_D20-MQ_DSP_SP	D20	V1.0.1	Published	2024-07-17T11:32:18+08:00	tmscust	Update
BASE_D20-MQ_test_SDK	D20	V1.4.1	Unpublis...	2024-07-18T20:00:08+08:00	tmscust	Share
BASE_D20-MQ_WJY_AP	D20	v555.555.666	Overtime	2024-07-16T13:51:59+08:00	tmscust	Unshare
BASE_D20-MQ_WT_AP	D20	V0.0.3.1	Published	2024-07-18T16:28:54+08:00	tmscust	Publish
BASE_D20-MR_WJY_AP	D20	v555.666.666	Unpublis...	-	-	Unpublish
BASE_D20-MR_WJY_SP	D20	v666.666.660	Overtime	2024-07-16T14:00:45+08:00	tmscust	Local File
BASE_D20-MT_Dukka_SP	D20	435.20.136.39	Published	2024-07-19T15:09:06+08:00	tmscust	Shared

- Click the firmware row you want to modify, click the "Action" button at the top of the page, and click "Edit" in the drop-down box.
- In the pop-up window, you can modify the description of the firmware package, and click "Save" to complete the modification.

The screenshot shows the 'Edit' dialog box for the 'BASE_D20-MQ_DSP_AP' firmware. The dialog has fields for Firmware Name (BASE_D20-MQ_DSP_AP), Model (D20), Version (V0.0.4), Baseline (*), Difference Type (Full package), Size (445.78MB), and MD5 (64abffd0191da8c263d8838de18649f0). The 'Describe' field contains the text: '1、AP Version信息里面的显示改为：Custom build version 显示客户+定制包版本号
2、DeviceManager增加的电量不更新提示，优化配置升级时界面显示'. The 'Save' button is visible at the bottom right of the dialog.

4.4.4 Query firmware

The screenshot shows the 'Device Operation' section of the TMS interface. On the left, there's a sidebar with icons for Device Operation, Models, Groups, Devices, Resources, and Firmwares (which is currently selected). The main area displays a table titled 'Device Operation / Firmwares (12)'. The table has columns for Firmware Name, Model, Version, Status, Release Time, Publisher, Resource, and Share Status. Each row lists a specific firmware entry. A search bar at the top of the table area is highlighted with a red box.

1. Find the search box in the top left corner of the main interface and click it
2. Based on the keywords displayed in the search drop-down box, select the keywords to be queried and enter or select them. You can select a single conditional query or a federated query with multiple criteria.

The screenshot shows the 'Device Mgmt' section of the TMS interface. The sidebar includes icons for Device Mgmt, Models, Groups, Devices, Resources, and Firmwares. The main area shows a search interface for 'Firmwares (16)'. It features a search bar and several dropdown filters: 'Firmware Name', 'Compatible Model', 'Version', 'Status' (with an option to 'Select'), 'Release Time' (with a date range selector), and 'Publisher'. These filter fields are highlighted with a red box. Below the filters is a 'Search' button and a 'Reset' button. To the right of the filters is a table listing firmwares with columns for Release Time, Publisher, Source, and Share Status. The first two rows of the table are visible.

3. Click "Search" to complete the search

4.4.5 Listed firmware

1. Select the firmware to be listed, click Action in the upper right corner of the page, and select Publish from the drop-down list.

Device Operation / Firmwares (12)

Firmware Name	Model	Version	Status	Release Time	Publisher	R	Share	Share Status
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Published	2024-07-16T11:44:24+08:00	tmscust	L	Unshare	Inshare
BASE_D20-MQ_DSP_SDK	D20	V1.2.2	Unpublis...	2024-07-18T19:57:20+08:00	tmscust	L	Publish	Inshare
BASE_D20-MQ_DSP_SP	D20	V1.0.1	Published	2024-07-17T11:32:18+08:00	tmscust	L	Unpublish	Local File Shared
BASE_D20-MQ_test_SDK	D20	V1.4.1	Unpublis...	2024-07-18T20:00:08+08:00	tmscust	L	Local File	Unshare
BASE_D20-MQ_WJY_AP	D20	v555.555.666	Overtime	2024-07-16T13:51:59+08:00	tmscust	L	Local File	Shared
BASE_D20-MQ_WT_AP	D20	V0.0.3.1	Published	2024-07-18T16:28:54+08:00	tmscust	L	Local File	Unshare
BASE_D20-MR_WJY_AP	D20	v555.666.666	Unpublis...	-	-	L	Local File	Unshare
BASE_D20-MR_WJY_SP	D20	v666.666.660	Overtime	2024-07-16T14:00:45+08:00	tmscust	L	Local File	Unshare
BASE_D20-MT_Dukka_SP	D20	435.20.136.39	Published	2024-07-19T15:09:06+08:00	tmscust	L	Local File	Unshare

4.4.6 Deactivate the firmware

- Select the firmware row to be removed, click the Action button in the upper right corner of the page, and select UnPublish from the drop-down box to complete the removal of the firmware.

Device Operation / Firmwares (12)

Firmware Name	Model	Version	Status	Release Time	Publisher	R	Share	Share Status
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Published	2024-07-16T11:44:24+08:00	tmscust	L	Unshare	Inshare
BASE_D20-MQ_DSP_SDK	D20	V1.2.2	Unpublis...	2024-07-18T19:57:20+08:00	tmscust	L	Publish	Inshare
BASE_D20-MQ_DSP_SP	D20	V1.0.1	Published	2024-07-17T11:32:18+08:00	tmscust	L	Unpublish	Local File Shared
BASE_D20-MQ_test_SDK	D20	V1.4.1	Unpublis...	2024-07-18T20:00:08+08:00	tmscust	L	Local File	Unshare
BASE_D20-MQ_WJY_AP	D20	v555.555.666	Overtime	2024-07-16T13:51:59+08:00	tmscust	L	Local File	Shared
BASE_D20-MQ_WT_AP	D20	V0.0.3.1	Published	2024-07-18T16:28:54+08:00	tmscust	L	Local File	Unshare
BASE_D20-MR_WJY_AP	D20	v555.666.666	Unpublis...	-	-	L	Local File	Unshare
BASE_D20-MR_WJY_SP	D20	v666.666.660	Overtime	2024-07-16T14:00:45+08:00	tmscust	L	Local File	Unshare
BASE_D20-MT_Dukka_SP	D20	435.20.136.39	Published	2024-07-19T15:09:06+08:00	tmscust	L	Local File	Unshare

4.4.7 Shared firmware

- Note:** The prerequisite for sharing firmware is that the firmware is in a published state.
- Select the released firmware row to be shared, click the Action button in the upper right corner of the page, and select Share in the drop-down box to complete the firmware sharing.

Firmware Name	Model	Version	Status	Release Time	Publisher	Action	Share Status
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Published	2024-07-16T11:44:24+08:00	tmscust	Share	Unshare
BASE_D20-MQ_DSP_SDK	D20	V1.2.2	Unpublis...	2024-07-18T19:57:20+08:00	tmscust	Share	Inshare
BASE_D20-MQ_DSP_SP	D20	V1.0.1	Published	2024-07-17T11:32:18+08:00	tmscust	Share	Inshare
BASE_D20-MQ_test_SDK	D20	V1.4.1	Unpublis...	2024-07-18T20:00:08+08:00	tmscust	Share	Local File
BASE_D20-MQ_WJY_AP	D20	v555.555.666	Overtime	2024-07-16T13:51:59+08:00	tmscust	Share	Local File
BASE_D20-MQ_WT_AP	D20	V0.0.3.1	Published	2024-07-18T16:28:54+08:00	tmscust	Share	Unshare
BASE_D20-MR_WJY_AP	D20	v555.666.666	Unpublis...	-	-	Share	Local File
BASE_D20-MR_WJY_SP	D20	v666.666.660	Overtime	2024-07-16T14:00:45+08:00	tmscust	Share	Local File
BASE_D20-MT_Dukka_SP	D20	435.20.136.39	Published	2024-07-19T15:09:06+08:00	tmscust	Share	Local File

3. Select the published firmware row that you want to unshare, click the "Action" button in the upper right corner of the page, and select "Unshareing" in the drop-down box to unshare the firmware.

Firmware Name	Model	Version	Status	Release Time	Publisher	Action	Share Status
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Published	2024-07-16T11:44:24+08:00	tmscust	Unshare	Unshare
BASE_D20-MQ_DSP_SDK	D20	V1.2.2	Unpublis...	2024-07-18T19:57:20+08:00	tmscust	Unshare	Inshare
BASE_D20-MQ_DSP_SP	D20	V1.0.1	Published	2024-07-17T11:32:18+08:00	tmscust	Unshare	Shared
BASE_D20-MQ_test_SDK	D20	V1.4.1	Unpublis...	2024-07-18T20:00:08+08:00	tmscust	Unshare	Local File
BASE_D20-MQ_WJY_AP	D20	v555.555.666	Overtime	2024-07-16T13:51:59+08:00	tmscust	Unshare	Local File
BASE_D20-MQ_WT_AP	D20	V0.0.3.1	Published	2024-07-18T16:28:54+08:00	tmscust	Unshare	Shared
BASE_D20-MR_WJY_AP	D20	v555.666.666	Unpublis...	-	-	Unshare	Local File
BASE_D20-MR_WJY_SP	D20	v666.666.660	Overtime	2024-07-16T14:00:45+08:00	tmscust	Unshare	Local File
BASE_D20-MT_Dukka_SP	D20	435.20.136.39	Published	2024-07-19T15:09:06+08:00	tmscust	Unshare	Local File

4.4.8 Upgrade the firmware

1. Select the firmware row to be upgraded, click the "Action" button in the upper right corner of the page, and select "Update" from the drop-down list.

Device Operation / Firmwares (12)

Firmware Name	Model	Version	Status	Release Time	Publisher	R Share	Share Status
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Published	2024-07-16T11:44:24+08:00	tmscust	Unshare	Inshare
BASE_D20-MQ_DSP_SDK	D20	V1.2.2	Unpublis...	2024-07-18T19:57:20+08:00	tmscust	Local File	Inshare
BASE_D20-MQ_DSP_SP	D20	V1.0.1	Published	2024-07-17T11:32:18+08:00	tmscust	Unpublish	Local File Shared
BASE_D20-MQ_test_SDK	D20	V1.4.1	Unpublis...	2024-07-18T20:00:08+08:00	tmscust	Local File	Unshare
BASE_D20-MQ_WJY_AP	D20	v555.555.666	Overtime	2024-07-16T13:51:59+08:00	tmscust	Local File	Shared
BASE_D20-MQ_WT_AP	D20	V0.0.3.1	Published	2024-07-18T16:28:54+08:00	tmscust	Local File	Shared
BASE_D20-MR_WJY_AP	D20	v555.666.666	Unpublis...	-	-	Local File	Unshare
BASE_D20-MR_WJY_SP	D20	v666.666.660	Overtime	2024-07-16T14:00:45+08:00	tmscust	Local File	Unshare
BASE_D20-MT_Dukka_SP	D20	435.20.136.39	Published	2024-07-19T15:09:06+08:00	tmscust	Local File	Unshare

2. In the pop-up window, click the button, select the same firmware package of the new version, and click "Save".

Update

Drag Files Here [Click Upload](#)

Please select .zip

Firmware Name:	Model:
Version:	Baseline:
Difference Type:	Size:
MD5:	
Describe:	0 / 200

Cancel Save

4.4.9 Details

1. Click the button on the right side of the page to display the firmware details from the right or click the button at the bottom of the page to display the firmware details from the bottom.

Device Operation / Firmwares (12)

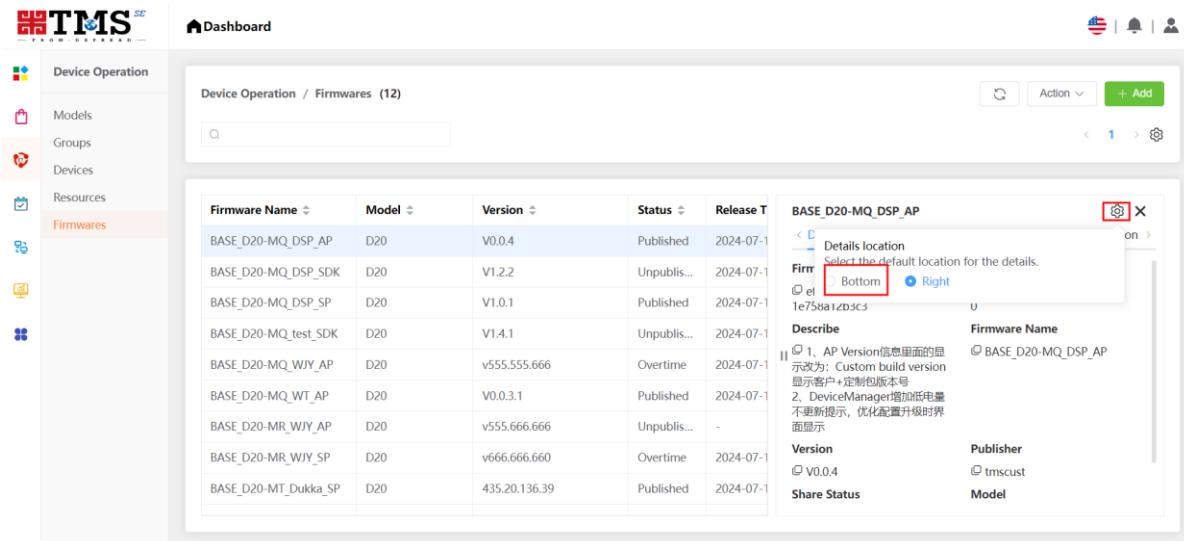
Firmware Name	Model	Version	Status	Release Time	Publisher	Resource	Share Status
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Published	2024-07-16T11:44:24+08:00	tmscust	Local File	Unshare
BASE_D20-MQ_DSP_SDK	D20	V1.2.2	Unpublished	2024-07-18T19:57:20+08:00	tmscust	Local File	Unshare
BASE_D20-MQ_DSP_SP	D20	V1.0.1	Published	2024-07-17T11:32:18+08:00	tmscust	Local File	Shared
BASE_D20-MQ_test_SDK	D20	V1.4.1	Unpublished	2024-07-18T20:00:08+08:00	tmscust	Local File	Unshare
BASE_D20-MQ_WJY_AP	D20	v555.555.666	Overtime	2024-07-16T13:51:59+08:00	tmscust	Local File	Shared
BASE_D20-MQ_WT_AP	D20	V0.0.3.1	Published	2024-07-18T16:28:54+08:00	tmscust	Local File	Shared
BASE_D20-MR_WJY_AP	D20	v555.666.666	Unpublished	-	-	Local File	Unshare
BASE_D20-MR_WJY_SP	D20	v666.666.660	Overtime	2024-07-16T14:00:45+08:00	tmscust	Local File	Unshare
BASE_D20-MT_Dukka_SP	D20	435.20.136.39	Published	2024-07-19T15:09:06+08:00	tmscust	Local File	Unshare

Device Operation / Firmwares (12)

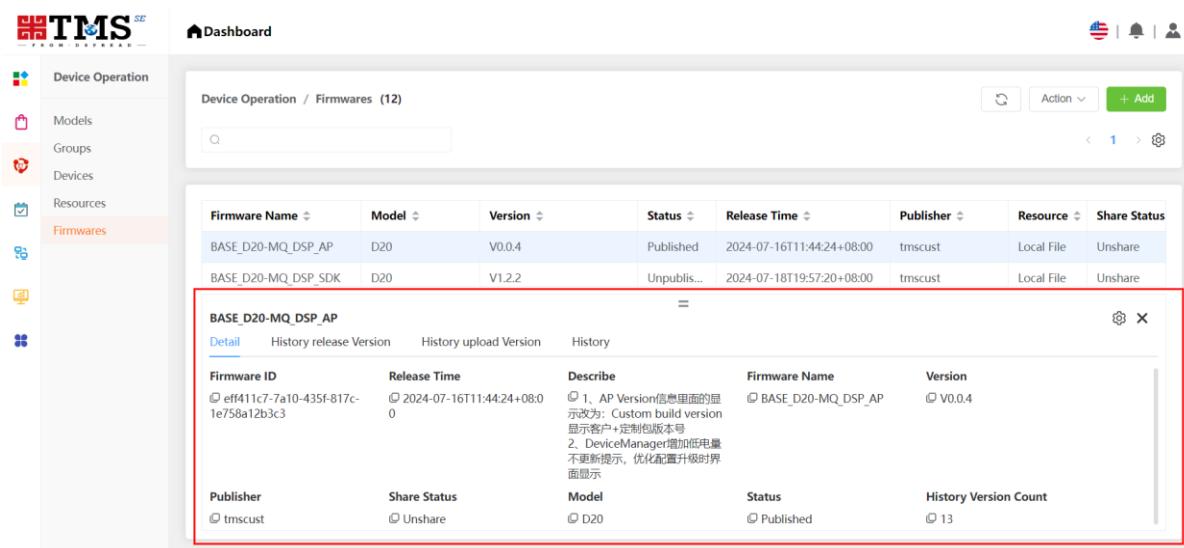
Firmware Name	Model	Version	Status	Release Time	Publisher	Resource	Share Status
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Published	2024-07-16T11:44:24+08:00	tmscust	Local File	Unshare
BASE_D20-MQ_DSP_SDK	D20	V1.2.2	Unpublished	2024-07-18T19:57:20+08:00	tmscust	Local File	Unshare
BASE_D20-MQ_DSP_SP	D20	V1.0.1	Published	2024-07-17T11:32:18+08:00	tmscust	Local File	Shared
BASE_D20-MQ_test_SDK	D20	V1.4.1	Unpublished	2024-07-18T20:00:08+08:00	tmscust	Local File	Unshare
BASE_D20-MQ_WJY_AP	D20	v555.555.666	Overtime	2024-07-16T13:51:59+08:00	tmscust	Local File	Shared
BASE_D20-MQ_WT_AP	D20	V0.0.3.1	Published	2024-07-18T16:28:54+08:00	tmscust	Local File	Shared
BASE_D20-MR_WJY_AP	D20	v555.666.666	Unpublished	-	-	Local File	Unshare
BASE_D20-MR_WJY_SP	D20	v666.666.660	Overtime	2024-07-16T14:00:45+08:00	tmscust	Local File	Unshare
BASE_D20-MT_Dukka_SP	D20	435.20.136.39	Published	2024-07-19T15:09:06+08:00	tmscust	Local File	Unshare

2. After you open the details, you can view the historical release versions, historical upload records, historical tasks, and other information

3. You can use the button in the details to move the details to the bottom, and then use the button at the bottom of the page to expand the details.



The screenshot shows the LarkTMS interface. On the left is a sidebar with icons for Device Operation, Models, Groups, Devices, Resources, and Firmwares (which is selected). The main area is titled "Device Operation / Firmwares (12)". It displays a table of firmwares with columns: Firmware Name, Model, Version, Status, and Release Time. One row is selected, showing "BASE_D20-MQ_DSP_AP" for Model D20, Version V0.0.4, Published status, and Release Time 2024-07-1. To the right of the table is a detailed info modal for "BASE_D20-MQ_DSP_AP". The modal has tabs for "Details location" (selected), "Firm", "Describe", "Version", "Publisher", and "Share Status". Under "Details location", there are two radio buttons: "Bottom" (selected) and "Right". Under "Describe", there is a note about AP Version and a list of 1. AP Version information and 2. DeviceManager. The "Version" tab shows V0.0.4. The "Publisher" tab shows tmscust. The "Share Status" tab shows Unshare.



This screenshot is similar to the one above, showing the LarkTMS interface with the Firmwares list and a detailed info modal for "BASE_D20-MQ_DSP_AP". The modal content is identical to the previous screenshot, including the "Details location" tab being selected, the note about AP Version, and the list of 1. AP Version information and 2. DeviceManager. The "Version" tab shows V0.0.4, and the "Publisher" tab shows tmscust. The "Share Status" tab shows Unshare. A red box highlights the entire detailed info modal.

4.4.10 Historical release versions

1. In the detailed information pop-up window, click "Historical Release Version" to view and operate the historical release version.

The screenshot shows the LarkTMS Device Operation interface. On the left sidebar, under the 'Firmwares' section, the 'History release Version' tab is highlighted. In the main content area, a modal window is open for the firmware entry 'BASE_D20-MQ_DSP_AP'. The modal displays the following information:

Firmware Name	Model	Version	Status	Release Time	Publisher	Resource	Share Status
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Published	2024-07-16T11:44:24+08:00	tmscust	Local File	Unshare
BASE_D20-MQ_DSP_SDK	D20	V1.2.2	Unpublis...	2024-07-18T19:57:20+08:00	tmscust	Local File	Unshare

Below the main table, there are three tabs: 'Detail', 'History release Version' (which is active), and 'History'.

2. You can view details such as the supported models, firmware package name, version number, and firmware package type.
3. On the far right of the page, you can download the firmware packages for each version.

4.4.11. Historical upload records

1. Click "History upload Version" under the details pop-up window to view the upload history.

The screenshot shows the LarkTMS Device Operation interface. On the left sidebar, under the 'Firmwares' section, the 'History upload Version' tab is highlighted. In the main content area, a modal window is open for the firmware entry 'BASE_D20-MQ_DSP_AP'. The modal displays the following information:

Firmware Name	Model	Version	Difference T	Size	MD5	Baseline
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Full pack...	445.78MB	64abffd0191da8c263d8...	V0.0.3
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Different...	39.47MB	7079f86682fc07085577...	V0.0.3
BASE_D20-MQ_DSP_AP	D20	V0.0.3	Different...	39.07MB	24d8c76e0999bd6e414...	V0.0.2

Below the main table, there are three tabs: 'Detail', 'History release Version' (which is active), and 'History'.

2. Historical upload records record all versions of the firmware package that have been uploaded.

4.4.11.1 Cancel the upload

1. **Note:** The prerequisite for canceling the upload of the firmware is that the firmware is being

uploaded.

2. Select the firmware to be unuploaded, click the Action button at the top of the Upload History, and select Cancel Uploading from the drop-down list

The screenshot shows the LarkTMS web interface. On the left, there's a sidebar with icons for Device Mgmt, Models, Groups, Devices, Resources, and Firmwares (which is selected). The main area has a header 'Device Mgmt / Firmwares (16)'. Below it is a search bar and a toolbar with 'Action' and '+ Add' buttons. The main content is a table with columns: Firmware Name, Compatible Model, Version, Status, Release Time, Publisher, Source, and Share Status. Two rows are visible: 'BASE_D20-MQ_DSP_AP' (Published, V1.2.2) and 'BASE_D20-MQ_DSP_SDK' (To be Published, V1.2.2). Below the table is a 'Detailed Info' tab, followed by tabs for 'Historical Release Version', 'Historical Upload Version' (which is selected), and 'History'. Under 'Historical Upload Version', there's another table with columns: Firmware Name, Compatible Model, Version, Differential, Size, Action (with 'Cancel Uploading' highlighted in red), and Baseline Version. Three rows are shown: 'BASE_D20-MQ_DSP_AP' (V0.0.4), 'BASE_D20-MQ_DSP_AP' (V0.0.4.1), and 'BASE_D20-MQ_DSP_AP' (V0.0.4).

4.4.11.2 Continuation of transmission

1. **Note:** The prerequisite for resuming the firmware is that the firmware is in the upload failed state.

2. Select the firmware to be unuploaded, click the Action button at the top of the Upload History, and select Continue to Upload from the drop-down list

This screenshot is identical to the one above, showing the LarkTMS interface. The 'Historical Upload Version' table under the 'Upload History' tab is highlighted. The 'Action' column for the first row ('BASE_D20-MQ_DSP_AP') is highlighted in red, and the 'Cancel Uploading' option is replaced by 'Continue to Upload', indicating the action taken.

4.4.12 historical tasks

1. Click "History" under the pop-up window of detailed information to view the historical tasks.

The screenshot shows the LarkTMS interface for managing firmwares. On the left sidebar, under the 'Firmwares' section, the 'History' tab is selected. The main content area displays a table of firmwares with columns for Name, Model, Version, Status, Release Time, Publisher, Resource, and Share Status. Below this table, a sub-table titled 'BASE_D20-MQ_DSP_AP' shows historical tasks with columns for ID, TaskID, Type, Model, Object, Version, Status, and Result. A red box highlights the 'History' tab in the sub-table header.

Firmware Name	Model	Version	Status	Release Time	Publisher	Resource	Share Status
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Published	2024-07-16T11:44:24+08:00	tmscust	Local File	Unshare
BASE_D20-MQ_DSP_SDK	D20	V1.2.2	Unpublis...	2024-07-18T19:57:20+08:00	tmscust	Local File	Unshare

ID	TaskID	Type	Model	Object	Version	Status	Result
b64c32e7-1608-48be-ac1...	202407240008	Firmware	-	BASE_D20-MQ_DSP_AP	-	Executing	50%
0799022f-a19e-40a9-a91b...	202407240007	Firmware	-	BASE_D20-MQ_DSP_AP	-	Successed	100%
87b902a7-164e-4fdf-8170...	202407220029	Firmware	-	BASE_D20-MQ_DSP_AP	-	Successed	0%

2. Historical tasks record all the tasks in the task center that have pushed the firmware, including the task name, task status, and push device number.

4.5 Resource Management

1. Click the 【Device】->【Resources】button on the left menu bar to enter the resource management page.

The screenshot shows the LarkTMS interface for managing resources. On the left sidebar, under the 'Resources' section, the 'Resources' tab is selected. The main content area displays a table of resources with columns for Name, Model, Version, Status, Release Time, Publisher, Source, and Share St. A red box highlights the 'Resources' tab in the sidebar.

Name	Model	Version	Status	Release Time	Publisher	Source	Share St
CERT_D20_WIY	D20	V888.888.888	Released	2024-07-16T11:45:20+08:00	tmscust	Local	Shared
CUST_D20_Bold	D20	V0.0.2	Released	2024-07-16T11:32:49+08:00	tmscust	Local	Shared
CUST_D20_DSP	D20	V0.0.1	Released	2024-07-15T11:22:13+08:00	tmscust	Local	Shared
CUST_D30M_BOLD	D30M	V0.0.1	Released	2024-07-15T15:05:36+08:00	tmscust	Local	Unshare
D20_Baseline_CERT_rele...	D20	V6	To be Rel...	-	-	Local	Unshare
D20_LA0_CERT_release	D20	V2	Released	2024-07-04T19:12:55+08:00	tmscust	Local	Unshare
D20_WIY_CERT_debug	D20	20240708	Released	2024-07-08T16:30:04+08:00	tmscust	Local	Unshare
D20_XIN_CERT_release	D20	V2	Released	2024-07-04T19:23:47+08:00	tmscust	Local	Unshare
D20_YMH_CERT_release	D20	V998999999999999	Released	2024-07-10T11:15:38+08:00	tmscust	Local	Unshare

2. Find the icon in the upper right corner of the page , and click it to change the number of data bars displayed in pagination; You can also modify the displayed list header.

4.5.1 Add resources

4.5.1.1 Add local resources

1. Click the "Add" button at the top right of the interface

2. In the pop-up window, select "Local" to add local resources

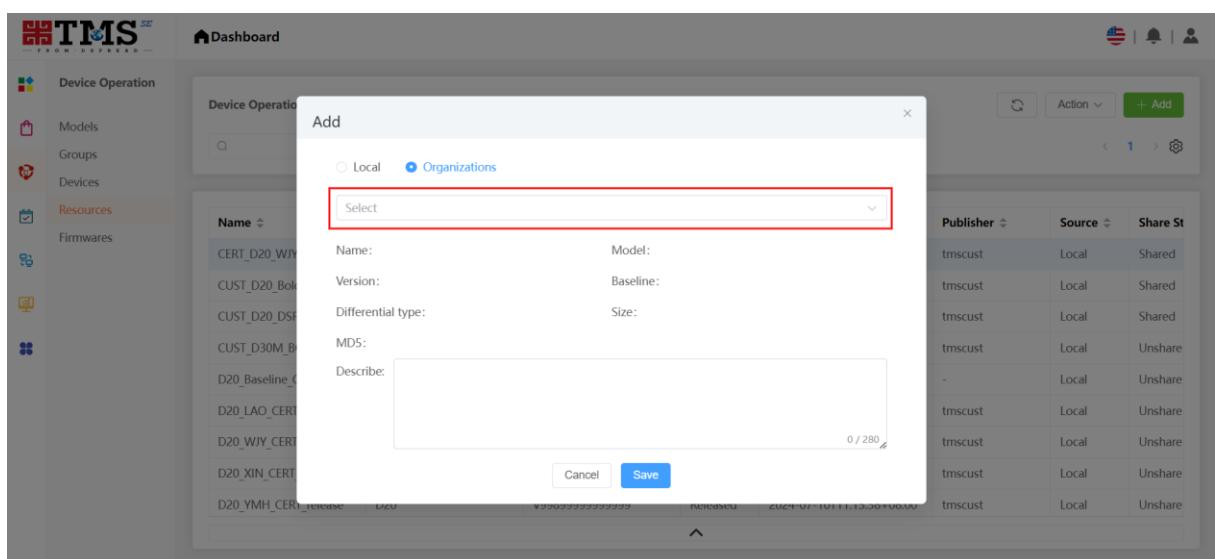
3. Click the icon and select the resource package to be uploaded, and the system will automatically parse the information of the resource package.

4. Enter the description of the resource package, confirm that it is correct, and click Save.

4.5.1.2 Add a shared resource

1. Click the "Add" button at the top right of the interface 

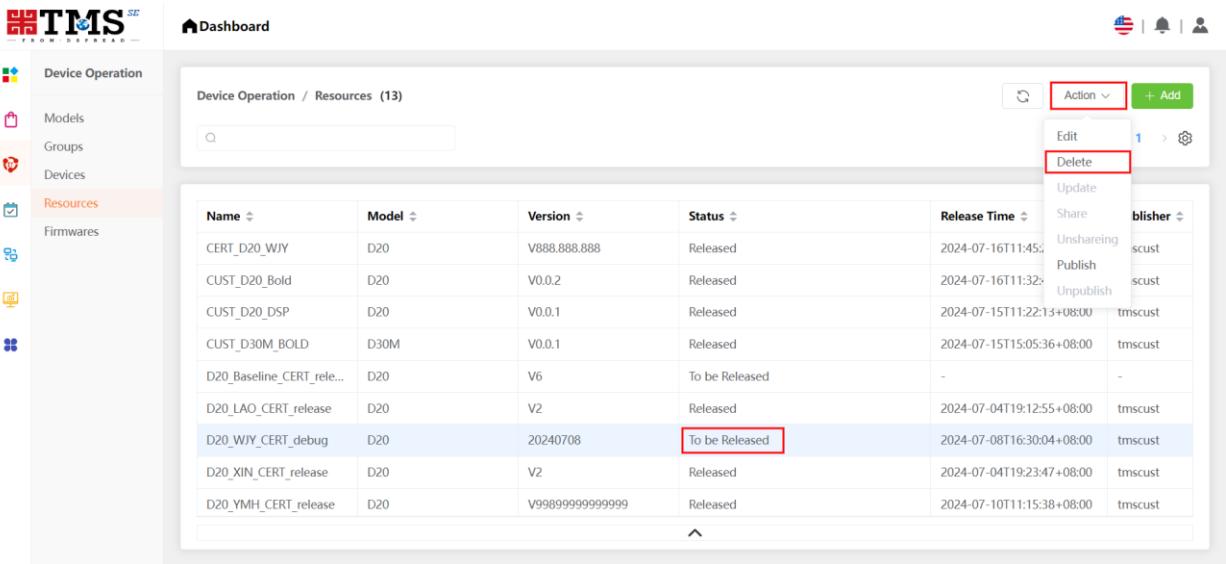
2. In the pop-up window, select Organizations  to add organization-sharing resources



3. Select a resource that is shared by the parent organization in the Select selection box.

4. The system will automatically parse out the corresponding information and click "Save".

4.5.2 Delete Resources

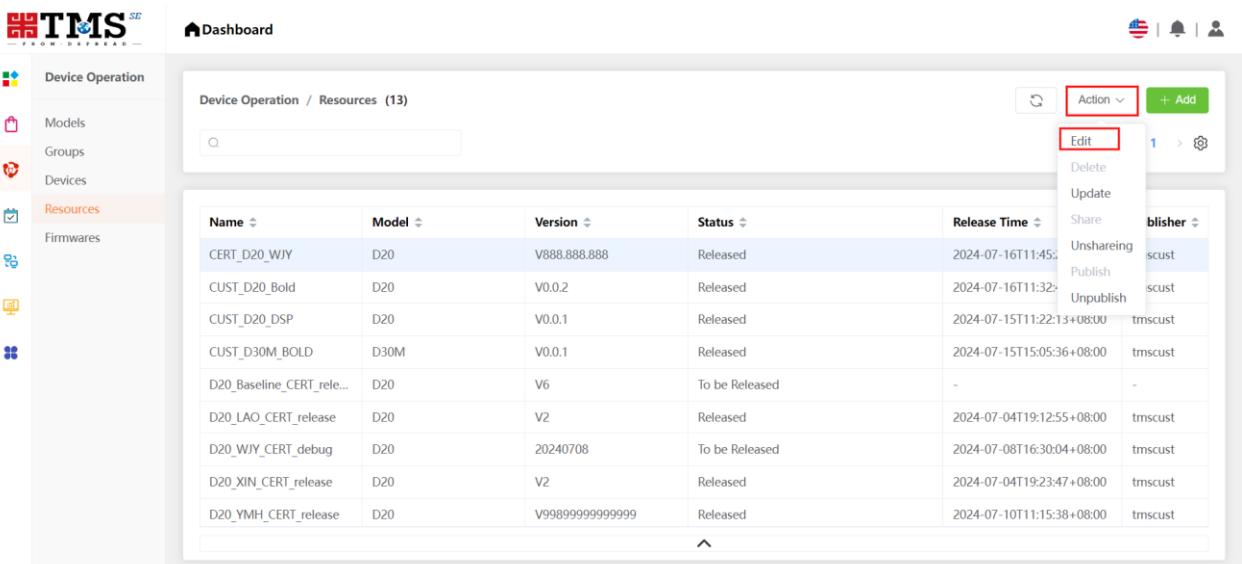


The screenshot shows the TMS software's 'Device Operation / Resources (13)' page. On the left, there is a sidebar with icons for Device Operation, Models, Groups, Devices, and Resources (which is currently selected). The main area displays a table of resources with columns: Name, Model, Version, Status, and Release Time. One row, 'D20_WJY_CERT_debug', has its 'Status' field set to 'To be Released'. In the top right corner of the table header, there is an 'Action' dropdown menu with options like Edit, Delete, Update, Share, Unsharing, Publish, and Unpublish. The 'Delete' option is highlighted with a red box.

Name	Model	Version	Status	Release Time
CERT_D20_WJY	D20	V888.888.888	Released	2024-07-16T11:45:
CUST_D20_Bold	D20	V0.0.2	Released	2024-07-16T11:32:
CUST_D20_DSP	D20	V0.0.1	Released	2024-07-15T11:22:13+08:00
CUST_D30M_BOLD	D30M	V0.0.1	Released	2024-07-15T15:05:36+08:00
D20_Baseline_CERT_rele...	D20	V6	To be Released	-
D20_LA0_CERT_release	D20	V2	Released	2024-07-04T19:12:55+08:00
D20_WJY_CERT_debug	D20	20240708	To be Released	2024-07-08T16:30:04+08:00
D20_XIN_CERT_release	D20	V2	Released	2024-07-04T19:23:47+08:00
D20_YMH_CERT_release	D20	V99899999999999	Released	2024-07-10T11:15:38+08:00

- Note:** Deleting an asset is only possible if the resource is in a non-publishing state
- Click the row of the resource you want to delete, click the Action button at the top of the page, and click Delete in the drop-down box.
- Click OK in the pop-up window to delete the resource.

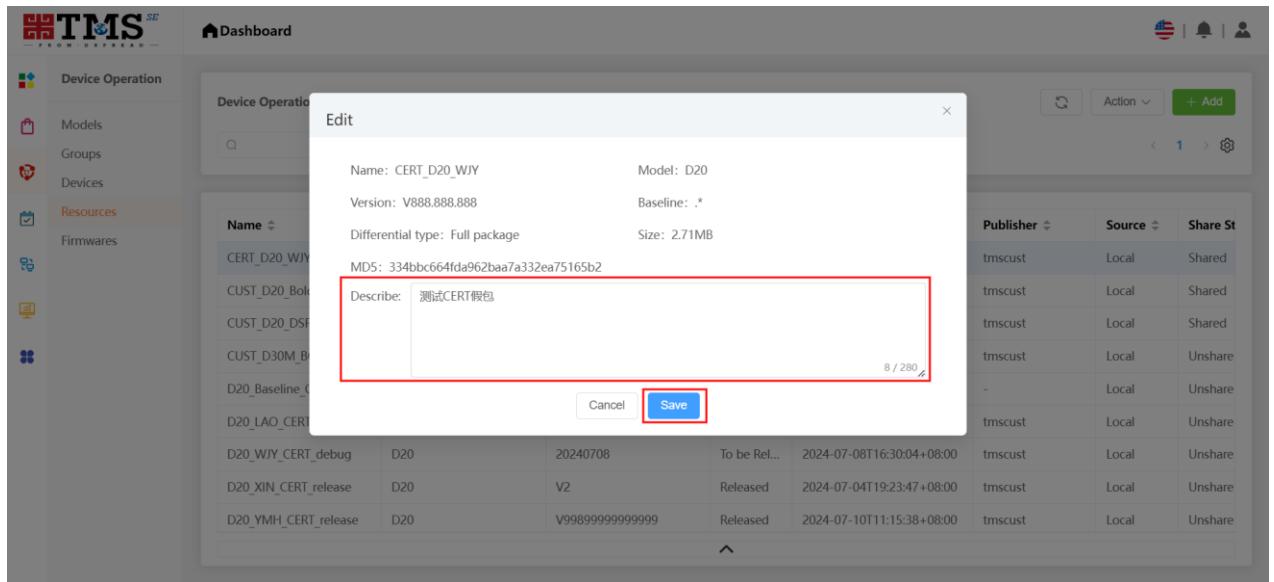
4.5.3 Modify Resources



The screenshot shows the TMS software's 'Device Operation / Resources (13)' page. The sidebar and table structure are identical to the previous screenshot, but the 'Edit' option in the Action dropdown menu is highlighted with a red box.

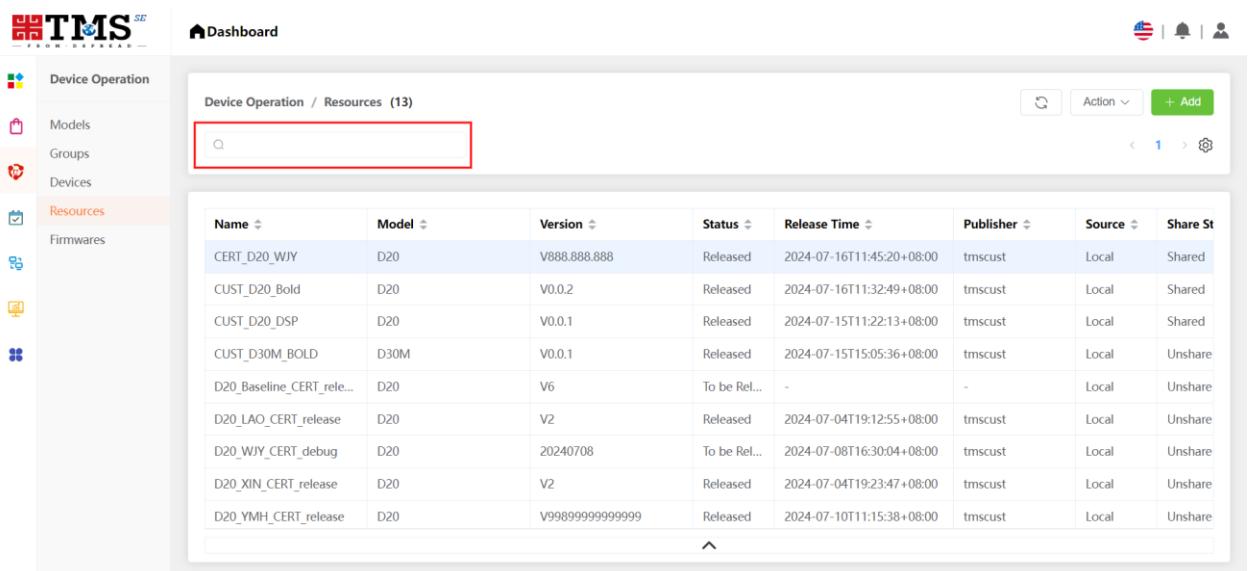
Name	Model	Version	Status	Release Time
CERT_D20_WJY	D20	V888.888.888	Released	2024-07-16T11:45:
CUST_D20_Bold	D20	V0.0.2	Released	2024-07-16T11:32:
CUST_D20_DSP	D20	V0.0.1	Released	2024-07-15T11:22:13+08:00
CUST_D30M_BOLD	D30M	V0.0.1	Released	2024-07-15T15:05:36+08:00
D20_Baseline_CERT_rele...	D20	V6	To be Released	-
D20_LA0_CERT_release	D20	V2	Released	2024-07-04T19:12:55+08:00
D20_WJY_CERT_debug	D20	20240708	To be Released	2024-07-08T16:30:04+08:00
D20_XIN_CERT_release	D20	V2	Released	2024-07-04T19:23:47+08:00
D20_YMH_CERT_release	D20	V99899999999999	Released	2024-07-10T11:15:38+08:00

- Click the row of resources you want to modify, click the Action button at the top of the page, and click Edit in the drop-down box.
- In the pop-up window, you can modify the description of the resource pack, and click Save to complete the modification.



The screenshot shows the LarkTMS interface with the 'Dashboard' tab selected. On the left, a sidebar menu includes 'Device Operation', 'Models', 'Groups', 'Devices', 'Resources' (which is currently selected), and 'Firmwares'. The main area displays a table of resources. A modal window titled 'Edit' is open, showing details for a resource named 'CERT_D20_WJY'. The 'Describe' field contains the text '测试CERT假包'. The 'Save' button in the modal is highlighted with a red box.

4.5.4 Query resources



The screenshot shows the LarkTMS interface with the 'Dashboard' tab selected. On the left, a sidebar menu includes 'Device Operation', 'Models', 'Groups', 'Devices', 'Resources' (which is currently selected), and 'Firmwares'. The main area displays a table of resources. A search bar at the top of the table header is highlighted with a red box.

1. Find the search box in the top left corner of the main interface and click it
2. Based on the keywords displayed in the search drop-down box, select the keywords to be queried and enter or select them. You can select a single conditional query or a federated query with multiple criteria.

The screenshot shows the TMS (Tool Management System) interface. On the left, there's a sidebar with icons for Device Operation, Models, Groups, Devices, Resources (which is selected), and Firmwares. The main area is titled 'Device Operation / Resources (13)'. It features a search bar at the top and a table below it. The table has columns for Name, Model, Version, Status, Release Time, and Publisher. A red box highlights the search bar and the 'Search' button. Another red box highlights the 'Publisher' column header in the table.

Name	Model	Version	Status	Release Time	Publisher
D20_XIN_CERT_release	D20	V2	Released	2024-07-04T19:23:47+08:00	tmscust
D20_YMH_CERT_release	D20	V9989999999999999	Released	2024-07-10T11:15:38+08:00	tmscust

Search

3.Click "Search" to complete the search

4.5.5 Listing Resources

1.Select the row of resources to be listed, click Action in the upper-right corner of the page, and select Publish from the drop-down list.

The screenshot shows the TMS interface. The sidebar is identical to the previous one. The main area is titled 'Device Operation / Resources (13)'. It features a search bar at the top and a table below it. A red box highlights the 'Action' button in the top right corner of the table header. Another red box highlights the 'Publish' option in the dropdown menu that appears when the action button is clicked.

Name	Model	Version	Status	Release Time	Publisher
CERT_D20_WJY	D20	V888.888.888	Released	2024-07-16T11:45:20+08:00	tmscust
CUST_D20_Bold	D20	V0.0.2	Released	2024-07-16T11:32:49+08:00	tmscust
CUST_D20_DSP	D20	V0.0.1	Released	2024-07-15T11:22:13+08:00	tmscust
CUST_D30M_BOLD	D30M	V0.0.1	Released	2024-07-15T15:05:36+08:00	tmscust
D20_Baseline_CERT_rele...	D20	V6	To be Rel...	-	tmscust
D20_LA0_CERT_release	D20	V2	Released	2024-07-04T19:12:55+08:00	tmscust
D20_WJY_CERT_debug	D20	20240708	To be Rel...	2024-07-08T16:30:04+08:00	tmscust
D20_XIN_CERT_release	D20	V2	Released	2024-07-04T19:23:47+08:00	tmscust
D20_YMH_CERT_release	D20	V9989999999999999	Released	2024-07-10T11:15:38+08:00	tmscust

4.5.6 Delisting Resources

1. Select the row of resources to be removed, click the Action button in the upper right corner of the page, and select UnPublish from the drop-down list.

Device Operation / Resources (13)

Name	Model	Version	Status	Release Time	Publisher
CERT_D20_WIY	D20	V888.888.888	Released	2024-07-16T11:45:20+08:00	tmscust
CUST_D20-Bold	D20	V0.0.2	Released	2024-07-16T11:32:49+08:00	tmscust
CUST_D20_DSP	D20	V0.0.1	Released	2024-07-15T11:22:13+08:00	tmscust
CUST_D30M_BOLD	D30M	V0.0.1	Released	2024-07-15T15:05:36+08:00	tmscust
D20_Baseline_CERT_rele...	D20	V6	To be Rel...	-	-
D20_LA0_CERT_release	D20	V2	Released	2024-07-04T19:12:55+08:00	tmscust
D20_WJY_CERT_debug	D20	20240708	To be Rel...	2024-07-08T16:30:04+08:00	tmscust
D20_XIN_CERT_release	D20	V2	Released	2024-07-04T19:23:47+08:00	tmscust
D20_YMH_CERT_release	D20	V99899999999999	Released	2024-07-10T11:15:38+08:00	tmscust

4.5.7 Shared Resources

- Note:** The prerequisite for sharing a resource is that the asset is in a published state.
- Select the published resource row, click the Action button in the upper right corner of the page, and select Share from the drop-down list to complete the resource sharing.

Device Operation / Resources (13)

Name	Model	Version	Status	Release Time	Publisher
CERT_D20_WIY	D20	V888.888.888	Released	2024-07-16T11:45:20+08:00	tmscust
CUST_D20-Bold	D20	V0.0.2	Released	2024-07-16T11:32:49+08:00	tmscust
CUST_D20_DSP	D20	V0.0.1	Released	2024-07-15T11:22:13+08:00	tmscust
CUST_D30M_BOLD	D30M	V0.0.1	Released	2024-07-15T15:05:36+08:00	tmscust
D20_Baseline_CERT_rele...	D20	V6	To be Released	-	-
D20_LA0_CERT_release	D20	V2	Released	2024-07-04T19:12:55+08:00	tmscust
D20_WJY_CERT_debug	D20	20240708	To be Released	2024-07-08T16:30:04+08:00	tmscust
D20_XIN_CERT_release	D20	V2	Released	2024-07-04T19:23:47+08:00	tmscust
D20_YMH_CERT_release	D20	V99899999999999	Released	2024-07-10T11:15:38+08:00	tmscust

- Select the published resource row to unshare, click the Action button in the upper right corner of the page, and select Unsharing from the drop-down list.

Device Operation / Resources (13)

Name	Model	Version	Status	Release Time	Publisher
CERT_D20_WIY	D20	V888.888.888	Released	2024-07-16T11:45:20+08:00	tmscust
CUST_D20_Bold	D20	V0.0.2	Released	2024-07-16T11:32:49+08:00	tmscust
CUST_D20_DSP	D20	V0.0.1	Released	2024-07-15T11:22:13+08:00	tmscust
CUST_D30M_BOLD	D30M	V0.0.1	Released	2024-07-15T15:05:36+08:00	tmscust
D20_Baseline_CERT_rele...	D20	V6	To be Released	-	Local
D20_LA0_CERT_release	D20	V2	Released	2024-07-04T19:12:55+08:00	tmscust
D20_WIY_CERT_debug	D20	20240708	To be Released	2024-07-08T16:30:04+08:00	tmscust
D20_XIN_CERT_release	D20	V2	Released	2024-07-04T19:23:47+08:00	tmscust
D20_YMH_CERT_release	D20	V998999999999...	Released	2024-07-10T11:15:38+08:00	tmscust

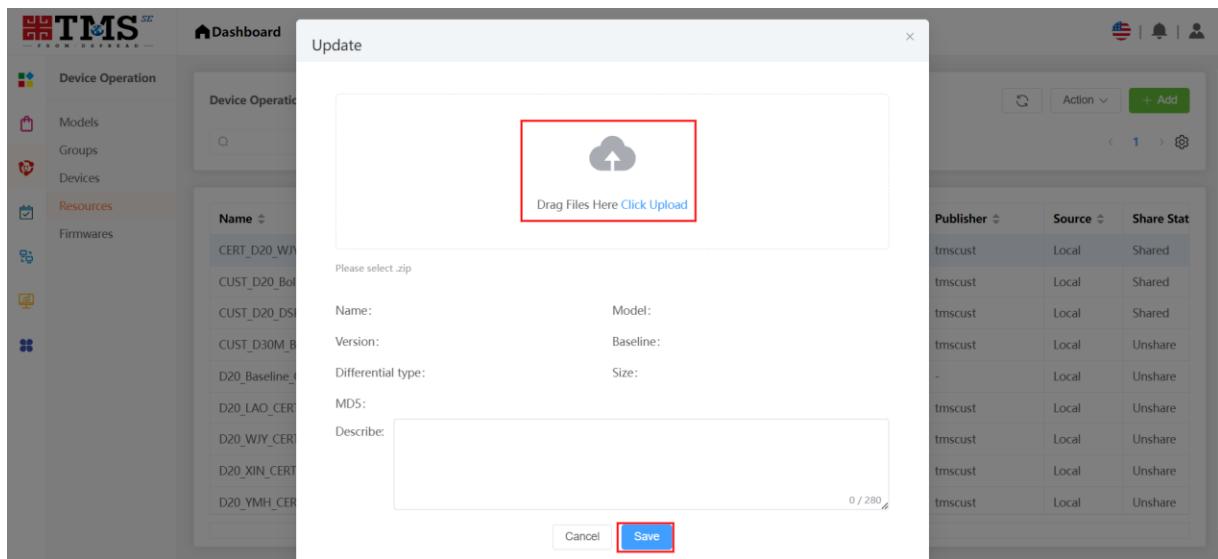
4.5.8 Upgrade Resources

- Select the resource row to be upgraded, click Action in the upper right corner of the page, and select Update from the drop-down list.

Device Operation / Resources (13)

Name	Model	Version	Status	Release Time	Publisher
CERT_D20_WIY	D20	V888.888.888	Released	2024-07-16T11:45:20+08:00	tmscust
CUST_D20_Bold	D20	V0.0.2	Released	2024-07-16T11:32:49+08:00	tmscust
CUST_D20_DSP	D20	V0.0.1	Released	2024-07-15T11:22:13+08:00	tmscust
CUST_D30M_BOLD	D30M	V0.0.1	Released	2024-07-15T15:05:36+08:00	tmscust
D20_Baseline_CERT_rele...	D20	V6	To be Released	-	Local
D20_LA0_CERT_release	D20	V2	Released	2024-07-04T19:12:55+08:00	tmscust
D20_WIY_CERT_debug	D20	20240708	To be Released	2024-07-08T16:30:04+08:00	tmscust
D20_XIN_CERT_release	D20	V2	Released	2024-07-04T19:23:47+08:00	tmscust
D20_YMH_CERT_release	D20	V998999999999...	Released	2024-07-10T11:15:38+08:00	tmscust

- In the pop-up window, click the button, select the new version of the same resource pack, and click Save.



4.5.9 Details

1. Click the button on the right side of the page to display the resource details from the right, or click the button at the bottom of the page to display the resource details from the bottom.

Name	Model	Version	Status	Release Time	Publisher	Source	Share Stat
CERT_D20_WJY	D20	V888.888.888	Released	2024-07-16T11:45:20+08:00	tmscust	Local	Shared
CUST_D20-Bold	D20	V0.0.2	Released	2024-07-16T11:32:49+08:00	tmscust	Local	Shared
CUST_D20_DSP	D20	V0.0.1	Released	2024-07-15T11:22:13+08:00	tmscust	Local	Shared
CUST_D30M_BOLD	D30M	V0.0.1	Released	2024-07-15T15:05:36+08:00	tmscust	Local	Unshare
D20_Baseline_CERT_release	D20	V6	To be Rel...	-	-	Local	Unshare
D20_LAO_CERT_release	D20	V2	Released	2024-07-04T19:12:55+08:00	tmscust	Local	Unshare
D20_WJY_CERT_debug	D20	20240708	To be Rel...	2024-07-08T16:30:04+08:00	tmscust	Local	Unshare
D20_XIN_CERT_release	D20	V2	Released	2024-07-04T19:23:47+08:00	tmscust	Local	Unshare
D20_YMH_CERT_release	D20	V99899999999999	Released	2024-07-10T11:15:38+08:00	tmscust	Local	Unshare

Device Operation / Resources (13)

Name	Model	Version	Status	Release Time	Publisher	Source	Share St
CERT_D20_WJY	D20	V888.888.888	Released	2024-07-16T11:45:20+08:00	tmscust	Local	Shared
CUST_D20_Bold	D20	V0.0.2	Released	2024-07-16T11:32:49+08:00	tmscust	Local	Shared
CUST_D20_DSP	D20	V0.0.1	Released	2024-07-15T11:22:13+08:00	tmscust	Local	Shared
CUST_D30M_BOLD	D30M	V0.0.1	Released	2024-07-15T15:05:36+08:00	tmscust	Local	Unshare
D20_Baseline_CERT_rele...	D20	V6	To be Rel...	-	-	Local	Unshare
D20_LAO_CERT_release	D20	V2	Released	2024-07-04T19:12:55+08:00	tmscust	Local	Unshare
D20_WJY_CERT_debug	D20	20240708	To be Rel...	2024-07-08T16:30:04+08:00	tmscust	Local	Unshare
D20_XIN_CERT_release	D20	V2	Released	2024-07-04T19:23:47+08:00	tmscust	Local	Unshare
D20_YMH_CERT_release	D20	V998999999999999	Released	2024-07-10T11:15:38+08:00	tmscust	Local	Unshare

2. After you open the details, you can view the historical release versions, historical upload records, historical tasks, and other information.

3. You can use the button in the details to move the details to the bottom, and then use the button at the bottom of the page to expand the details.

Device Operation / Resources (13)

Name	Model	Version	Status	Re	CERT_D20_WJY
CERT_D20_WJY	D20	V888.888.888	Released	20	<input checked="" type="radio"/> Bottom
CUST_D20_Bold	D20	V0.0.2	Released	20	<input type="radio"/> Right
CUST_D20_DSP	D20	V0.0.1	Released	20	<input type="radio"/> -6a9n/9as1ear9
CUST_D30M_BOLD	D30M	V0.0.1	Released	20	<input type="radio"/> Name
D20_Baseline_CERT_rele...	D20	V6	To be Rel...	-	<input type="radio"/> CERT_D20_WJY
D20_LAO_CERT_release	D20	V2	Released	20	<input type="radio"/> Publisher
D20_WJY_CERT_debug	D20	20240708	To be Rel...	20	<input type="radio"/> tmscust
D20_XIN_CERT_release	D20	V2	Released	20	<input type="radio"/> Model
D20_YMH_CERT_release	D20	V998999999999999	Released	20	<input type="radio"/> D20

The screenshot shows the LarkTMS interface for Device Operation Resources. On the left sidebar, 'Resources' is selected. In the main area, a table lists resources with columns: Name, Model, Version, Status, Release Time, Publisher, Source, and Share Stat. Two rows are visible: 'CERT_D20_WJY' (Model D20, Version V888.888.888) and 'CUST_D20_Bold' (Model D20, Version V0.0.2). Below the table, a detailed view for 'CERT_D20_WJY' is expanded, showing tabs for Detail, History release Version, History upload Version, and History. The 'History release Version' tab is active, displaying fields for ID, Release Time, Describe, Name, and Version. The 'History' tab is also visible.

4.5.10 Historical release versions

1. In the detailed information pop-up window, click "Historical Release Version" to view and operate the historical release version.

The screenshot shows the same LarkTMS interface as above, but with a red box highlighting the 'History release Version' tab in the expanded details for 'CERT_D20_WJY'. This tab contains a table with columns: Name, Model, Version, Differential, Size, MD5, and Baseline. One row is shown: 'CERT_D20_WJY' (Model D20, Version V888.888.888, Full pack..., 2.71MB, 334bbc664fda962baa7a...).

2. You can view the supported models, package names, version numbers, and types of resource plans.
3. On the far-right side of the page, you can download the resource packs of each version.

4.5.11. Historical upload records

1. Click "History upload Version" under the details pop-up window to view the upload history.

The screenshot shows the LarkTMS interface for managing device resources. On the left, there's a sidebar with icons for Device Operation, Models, Groups, Devices, Resources (which is selected), and Firmwares. The main area is titled 'Device Operation / Resources (13)'. It includes a search bar, action buttons ('Action', '+ Add'), and navigation controls. Below this is a table with columns: Name, Model, Version, Status, Release Time, Publisher, Source, and Share Stat. Two rows are listed: 'CERT_D20_WJY' (D20, V888.888.888, Released, 2024-07-16T11:45:20+08:00, tmscust, Local, Shared) and 'CUST_D20_Bold' (D20, V0.0.2, Released, 2024-07-16T11:32:49+08:00, tmscust, Local, Shared). A modal window for 'CERT_D20_WJY' is open, showing tabs for 'Detail', 'History release Version' (selected), 'History upload Version' (highlighted with a red box), and 'History'. This modal contains another table with columns: Name, Model, Version, Differential, Size, MDS, and Baseline. One row is shown: 'CERT_D20_WJY' (D20, V888.888.888, Full pack..., 2.71MB, 334bbc664fda962baa7a...). The bottom right of the modal has an 'Action' button.

2. Historical upload records record all versions of the resource package.

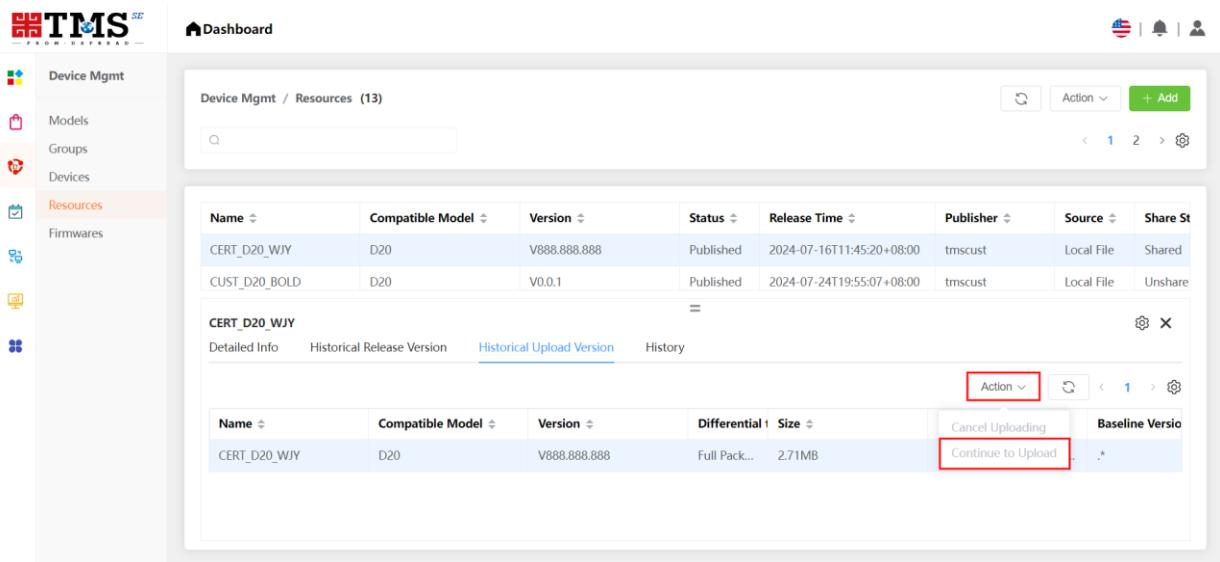
4.5.11.1 Cancellation of Uploads

1. **Note:** The prerequisite for unuploading an asset is that the asset is being uploaded.
2. Select the resources to be unuploaded, click Action at the top of the Upload History, and select Cancel Uploading from the drop-down list

The screenshot shows the LarkTMS interface for managing device management resources. The sidebar and main structure are similar to the previous screenshot, with 'Resources' selected. The main area is titled 'Device Mgmt / Resources (13)'. It includes a search bar, action buttons ('Action', '+ Add'), and navigation controls. Below this is a table with columns: Name, Compatible Model, Version, Status, Release Time, Publisher, Source, and Share St. Two rows are listed: 'CERT_D20_WJY' (D20, V888.888.888, Published, 2024-07-16T11:45:20+08:00, tmscust, Local File, Shared) and 'CUST_D20_BOLD' (D20, V0.0.1, Published, 2024-07-24T19:55:07+08:00, tmscust, Local File, Unshare). A modal window for 'CERT_D20_WJY' is open, showing tabs for 'Detailed Info', 'Historical Release Version', 'Historical Upload Version' (selected), and 'History'. This modal contains another table with columns: Name, Compatible Model, Version, Differential, Size, Action (with a red box), and Baseline Version. One row is shown: 'CERT_D20_WJY' (D20, V888.888.888, Full Pack..., 2.71MB, 'Cancel Uploading' button highlighted with a red box, and 'Continue to Upload' link). The bottom right of the modal has an 'Action' button.

4.5.11.2 Transmission

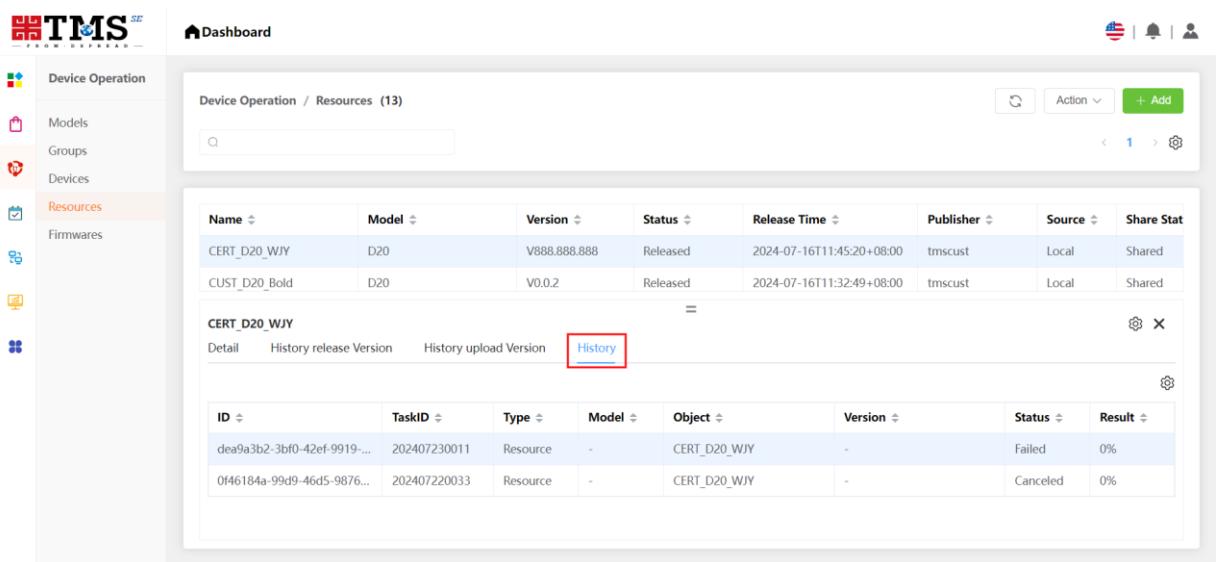
1. **Note:** The prerequisite for resuming a resource is that the asset is in the Failed Upload state.
2. Select the resources to be unuploaded, click Action at the top of the Upload History, and select Continue to Upload from the drop-down list



The screenshot shows the LarkTMS interface for managing resources. On the left sidebar, under the 'Resources' section, 'Firmwares' is selected. In the main content area, a table lists two resources: 'CERT_D20_WJY' and 'CUST_D20_BOLD'. Below the table, a detailed information window for 'CERT_D20_WJY' is open. This window includes tabs for 'Detailed Info', 'Historical Release Version', 'Historical Upload Version' (which is currently selected), and 'History'. At the bottom of this window, there is an 'Action' button and a file upload progress bar. A red box highlights the 'Action' button and the 'Continue to Upload' link in the progress bar.

4.5.12 Historical Tasks

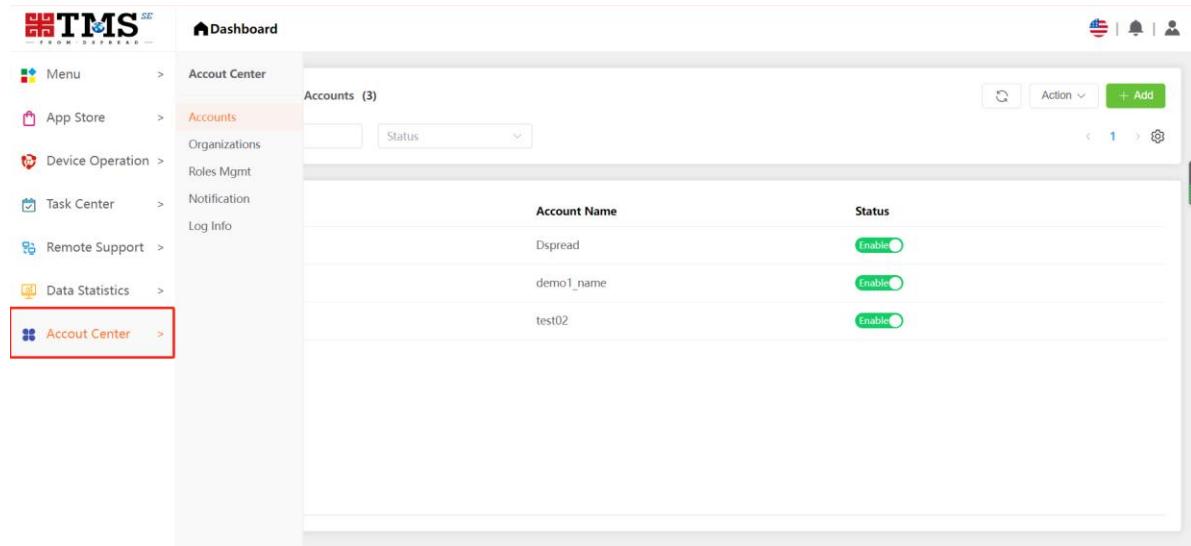
- Click "History" under the pop-up window of detailed information to view the historical tasks.



The screenshot shows the LarkTMS interface for device operation. On the left sidebar, under the 'Resources' section, 'Firmwares' is selected. In the main content area, a table lists two resources: 'CERT_D20_WJY' and 'CUST_D20-Bold'. Below the table, a detailed information window for 'CERT_D20_WJY' is open. This window includes tabs for 'Detail', 'History release Version', 'History upload Version', and 'History' (which is highlighted with a red box). At the bottom of this window, there is a table showing historical tasks. The table has columns for ID, TaskID, Type, Model, Object, Version, Status, and Result. Two entries are listed: one for 'CERT_D20_WJY' with status 'Failed' and result '0%', and another for 'CERT_D20_WJY' with status 'Canceled' and result '0%'.

- Historical tasks record all the tasks in the task center that have pushed the resource, including the task name, task status, and push device number.

5.System administration

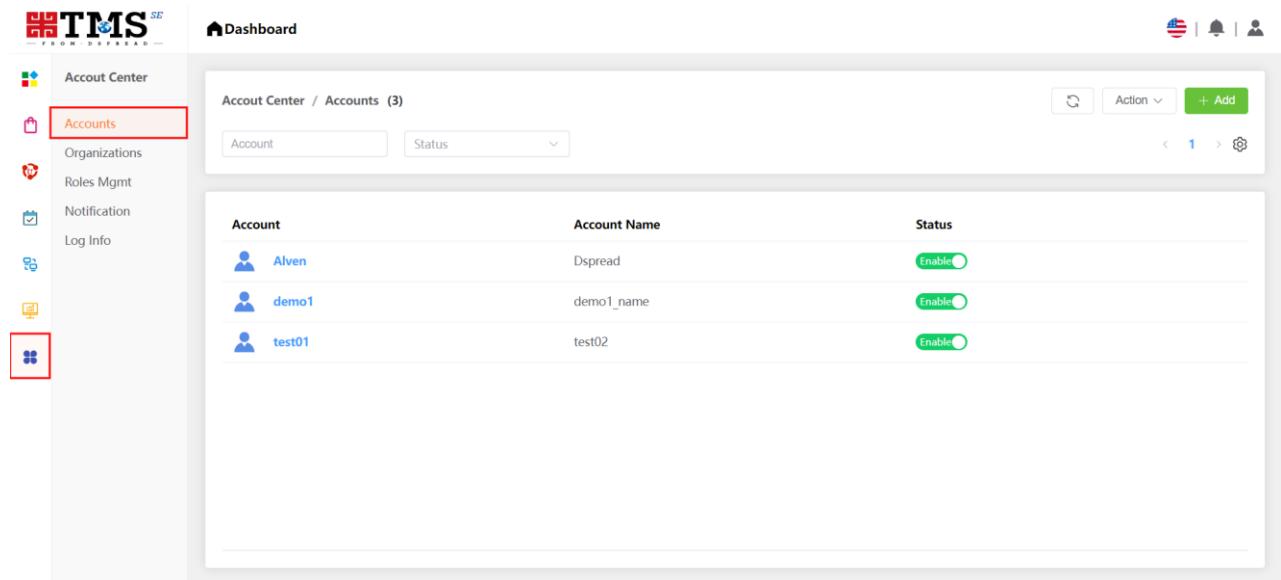


The screenshot shows the LarkTMS system administration interface. On the left, there is a navigation sidebar with various menu items. The 'Account Center' item under 'Accounts' is highlighted with a red box. The main content area displays a table titled 'Accounts (3)' with columns for 'Account Name' and 'Status'. Three accounts are listed: 'Dsspread' (Status: Enable), 'demo1_name' (Status: Enable), and 'test02' (Status: Enable). At the top right of the main content area, there are buttons for search, action, and add.

Click the 【Account Center】 button on the left menu bar to enter the system management page.

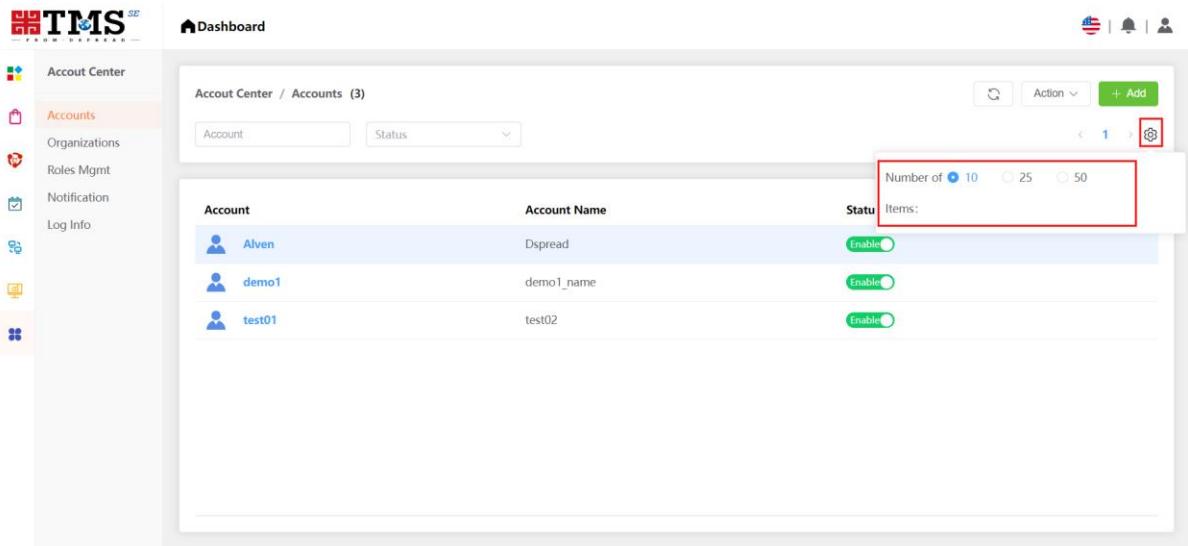
5.1 Account Management

1. Click the 【Account Center】 -> 【Accounts】 button on the left menu bar to enter the account management page.



The screenshot shows the 'Account Center / Accounts (3)' page. The left sidebar has the 'Accounts' item selected and highlighted with a red box. The main content area shows a table with columns 'Account', 'Account Name', and 'Status'. It lists three accounts: 'Alven' (Dsspread, Status: Enable), 'demo1' (demo1_name, Status: Enable), and 'test01' (test02, Status: Enable). The top right of the content area includes search, action, and add buttons, and a pagination control with a gear icon.

2. Find the icon in the upper right corner of the page  , and click it to change the number of data entries displayed in pagination.

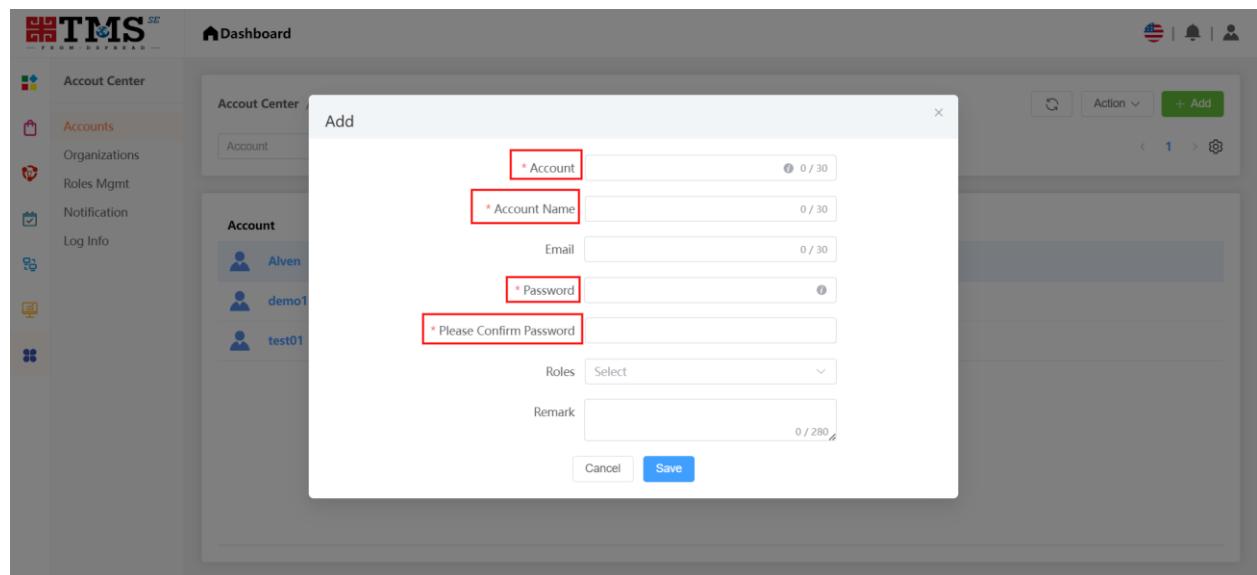


The screenshot shows the 'Accounts' section of the LarkTMS Account Center. It displays a table with three rows of account information:

Account	Account Name	Status
Alven	Dsspread	Enable
demo1	demo1_name	Enable
test01	test02	Enable

At the top right, there is a search bar, an 'Action' dropdown, and a green '+ Add' button. Below the table, there is a pagination area with 'Number of' dropdown (set to 10), a 'Items:' input field, and buttons for '<' and '>'. The sidebar on the left includes links for Account Center, Accounts, Organizations, Roles Mgmt, Notification, Log Info, and a 'Log' icon.

5.1.1 Add an account



The screenshot shows the 'Add' dialog box for creating a new account. The form fields are as follows:

- * Account
- * Account Name
- Email
- * Password
- * Please Confirm Password
- Roles: Select (dropdown menu)
- Remark

At the bottom are 'Cancel' and 'Save' buttons. The sidebar on the left shows the 'Accounts' section with existing accounts: Alven, demo1, and test01.

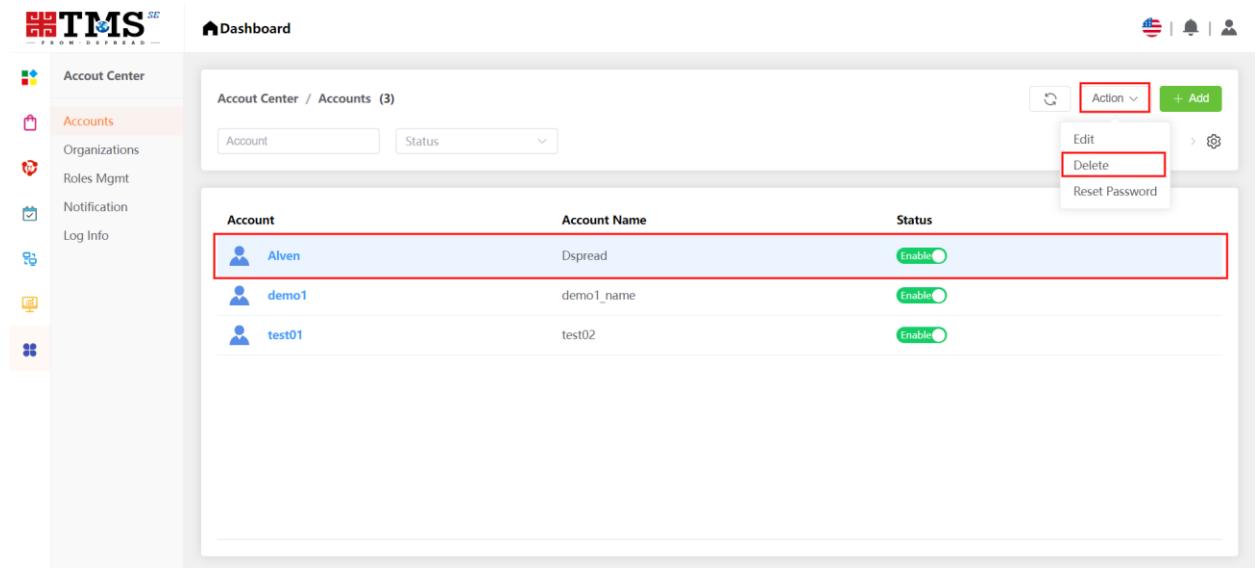
1. First, click the Add button at the top right of the account management interface  to start adding an account, and you need to fill in the following relevant information in the pop-up window:

- Enter a new *login account
- Enter a new *Account Name
- Enter your email address
- Enter the *password of the new account
- Re-enter *Confirm password
- Select the role permissions of the account
- Enter a brief description of the account

Note: Fields with * are required.

2. After filling in all the information in the above fields, check that everything is correct, and click Save.

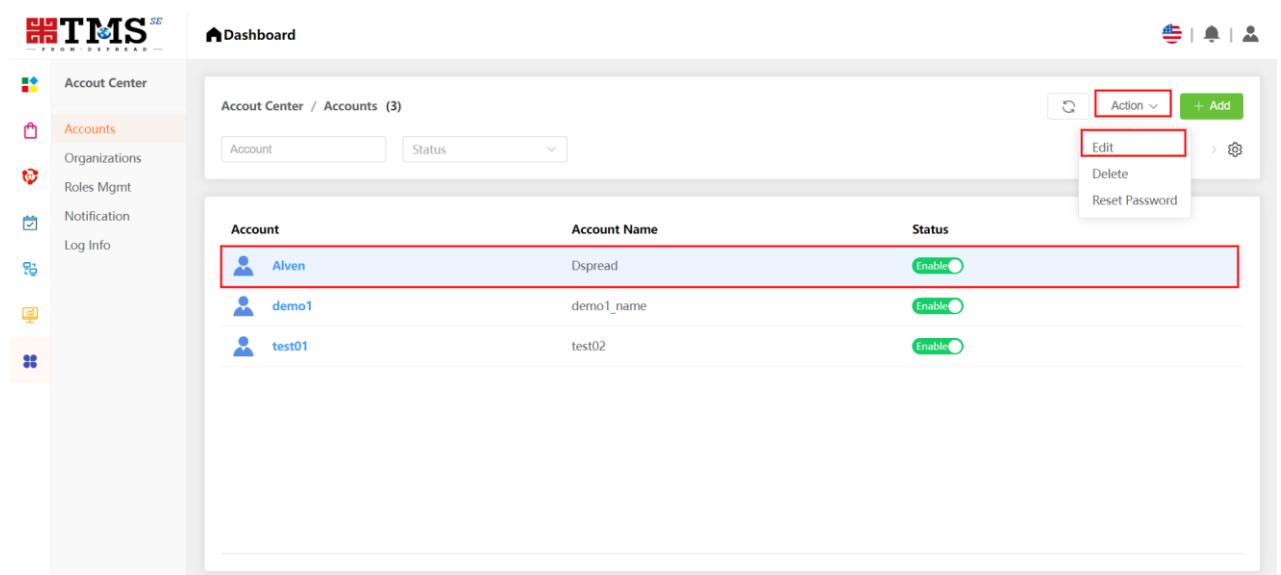
5.1.2 Delete Account



Account	Account Name	Status
Alven	Dsspread	Enable
demo1	demo1_name	Enable
test01	test02	Enable

1. Select the account you want to delete (click on the row where the account is located), click the "Action" button at the top of the page, and click "Delete" in the drop-down box.
2. Click Confirm in the pop-up window to delete the account.

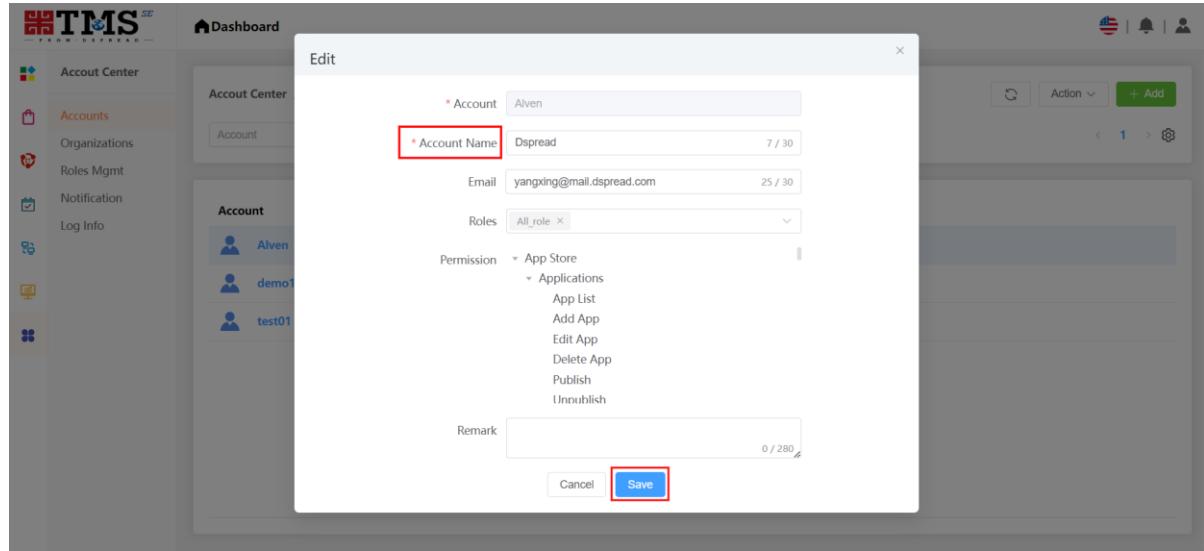
5.1.3 Editing Devices



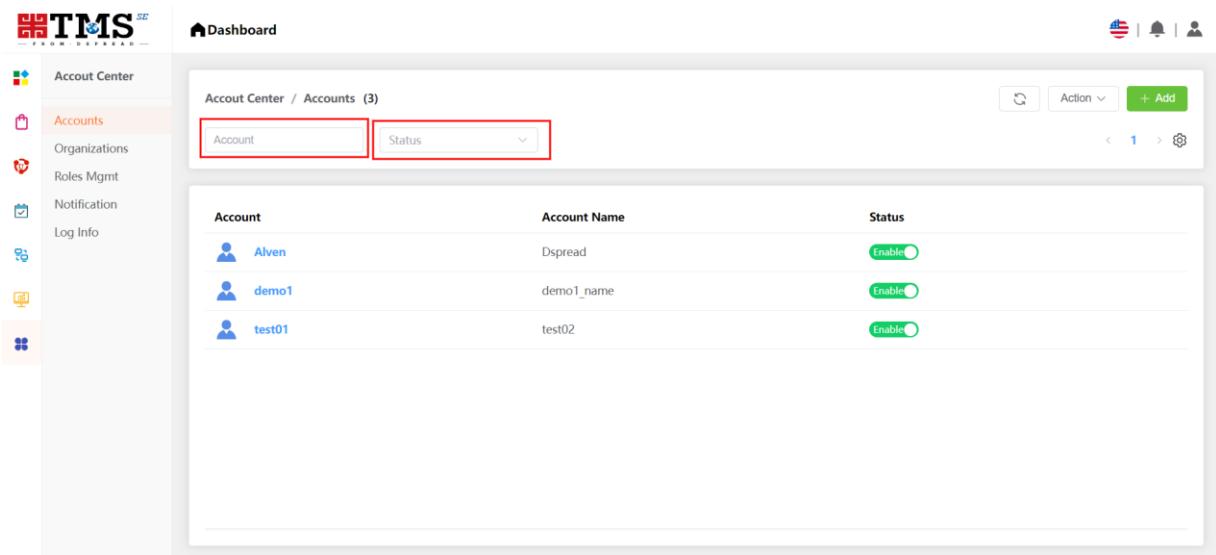
Account	Account Name	Status
Alven	Dsspread	Enable
demo1	demo1_name	Enable
test01	test02	Enable

1. Select the account you want to delete (click on the row where the account is located), click the "Action" button at the top of the page, and click "Edit" in the drop-down box.

2. In the pop-up window, you can modify the account name, email address, role permissions, profile, and other information. Once the modification is complete, click "Save" to save.



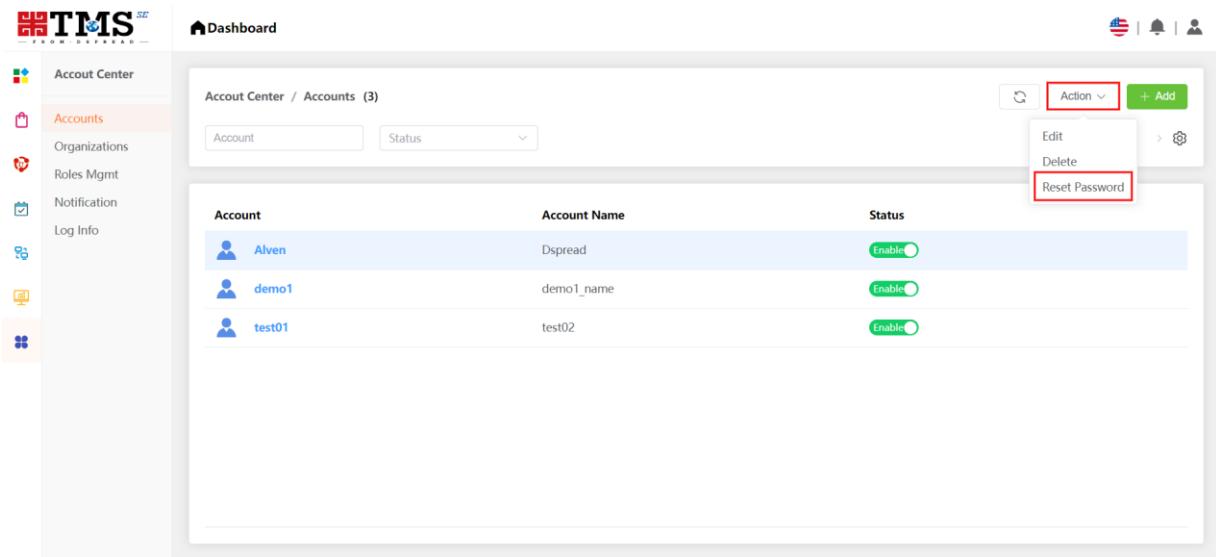
5.1.4 Query account



Account	Account Name	Status
Alven	Dsspread	Enable
demo1	demo1_name	Enable
test01	test02	Enable

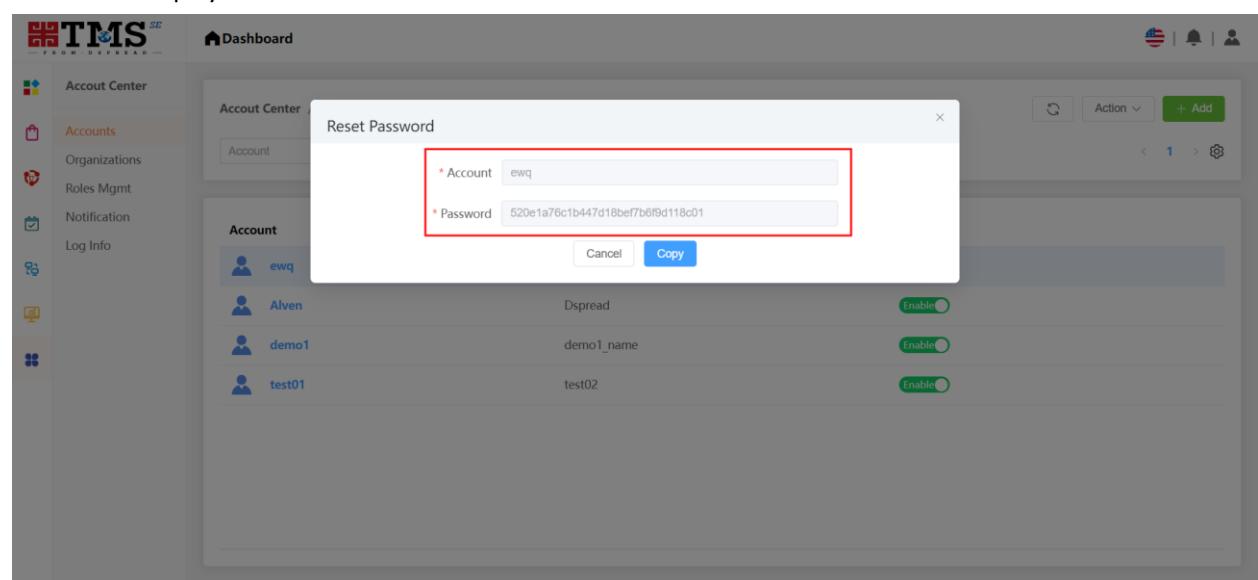
- 1.In the upper left corner of the main interface, find the account search box and the status drop-down box.
- 2.Enter the account you want to search in the account search box and click Enter to search.
- 3.Click the Status drop-down box and select the status to be queried.
- 4.You can perform a single query on the account and status, or you can search two search boxes together to perform multi-condition searches.

5.1.5 Reset password



The screenshot shows the TMS (DS P R E A D) interface. On the left, there's a sidebar with various options like Account Center, Accounts (which is selected and highlighted in orange), Organizations, Roles Mgmt, Notification, and Log Info. The main area is titled 'Dashboard' and shows 'Account Center / Accounts (3)'. It has search fields for 'Account' and 'Status'. Below is a table with columns 'Account', 'Account Name', and 'Status'. Three accounts are listed: 'Alven' (Account Name: Dspread, Status: Enable), 'demo1' (Account Name: demo1_name, Status: Enable), and 'test01' (Account Name: test02, Status: Enable). To the right of the table is an 'Action' dropdown menu with options: 'Edit', 'Delete', and 'Reset Password', where 'Reset Password' is also highlighted with a red box.

1. Select the account you want to reset your password (**click on the row where the device is located**), then click the "Action" button at the top of the page and click "Reset Password" in the drop-down box.
2. In the pop-up window, click the "OK" button, and the system will reset the selected account and password.
3. After the reset, the pop-up window of the account and new password after the password reset will be displayed.



This screenshot shows the same TMS interface as above, but with a modal dialog box in the foreground titled 'Reset Password'. The dialog has two input fields: one for 'Account' containing 'ewq' and another for 'Password' containing '520e1a76c1b447d18bef7b6f9d118c01'. Both input fields are highlighted with a red box. At the bottom of the dialog are 'Cancel' and 'Copy' buttons, with 'Copy' being the active button.

5.1.6 Disabling/Enabling Accounts

Account	Account Name	Status
ewq	ewqe	Disabled
Alven	Dspread	Enable
demo1	demo1_name	Enable
test01	test02	Enable

- 1.In the leftmost column of the account information display is the status of the account, with two options: enable and disable
- 2.Click the Disable/Enable button to toggle the disabled/enabled status of the account (**green is the enabled state, red is the disabled state**).

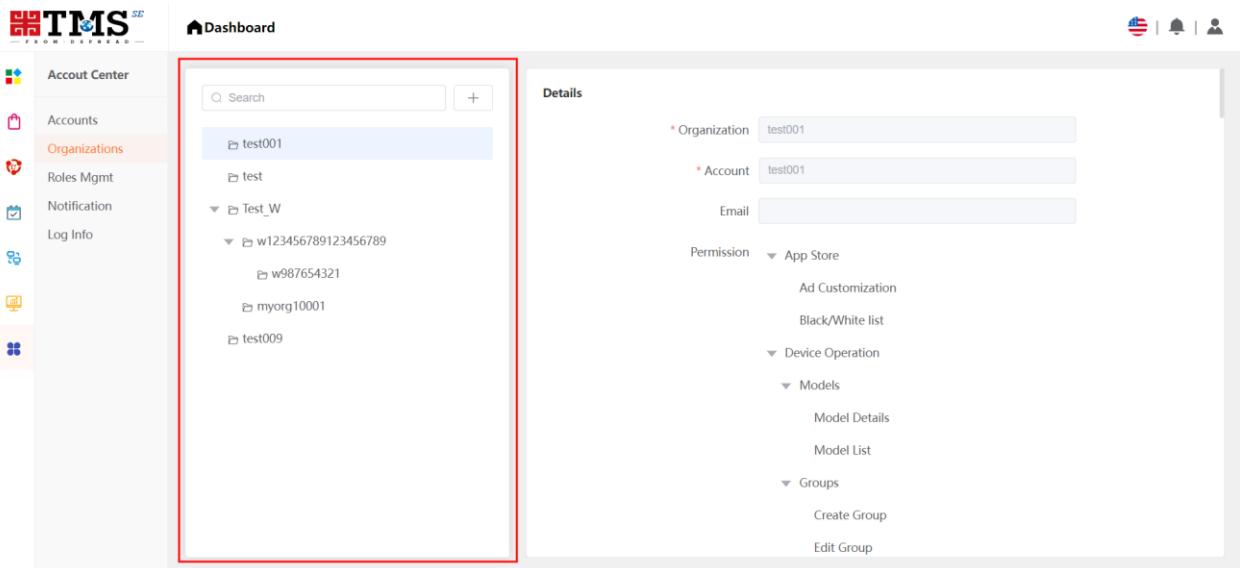
5.2 Institutional Management

- 1.Click the 【Account Center】 -> 【Organizations】 button on the left menu bar to enter the account management page.

Details

- * Organization: test001
- * Account: test001
- Email:
- Permission: App Store
 - Ad Customization
 - Black/White list
- Device Operation
- Models
 - Model Details
 - Model List
- Groups
 - Create Group
 - Edit Group

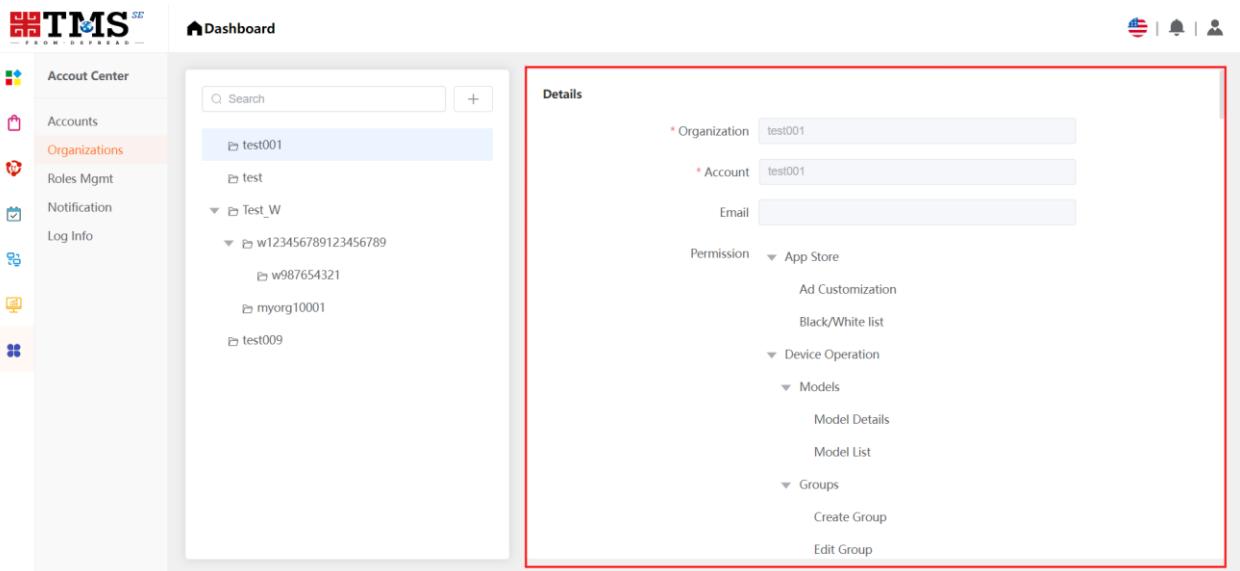
5.2.1 List of Institutions



The screenshot shows the TMS software interface. On the left, there is a sidebar with various icons and labels: Account Center, Accounts, **Organizations**, Roles Mgmt, Notification, Log Info, and a few others. The 'Organizations' option is highlighted. The main area has a title 'Dashboard'. Below it is a search bar and a list of organizations. One organization, 'test001', is selected and highlighted with a red box. To the right of the list is a detailed view window titled 'Details'. It contains fields for 'Organization' (set to 'test001'), 'Account' (set to 'test001'), and 'Email' (empty). There is also a 'Permission' section with dropdown menus for 'App Store', 'Ad Customization', 'Black/White list', 'Device Operation', and 'Models'. Under 'Models', there are links for 'Model Details' and 'Model List'. There are also sections for 'Groups', 'Create Group', and 'Edit Group'.

1. After you go to the Organization Management page, you can view all the organizations in the current organization on the left side of the page.
2. You can use this list to add organizations, modify organizations, delete organizations, and search organizations.

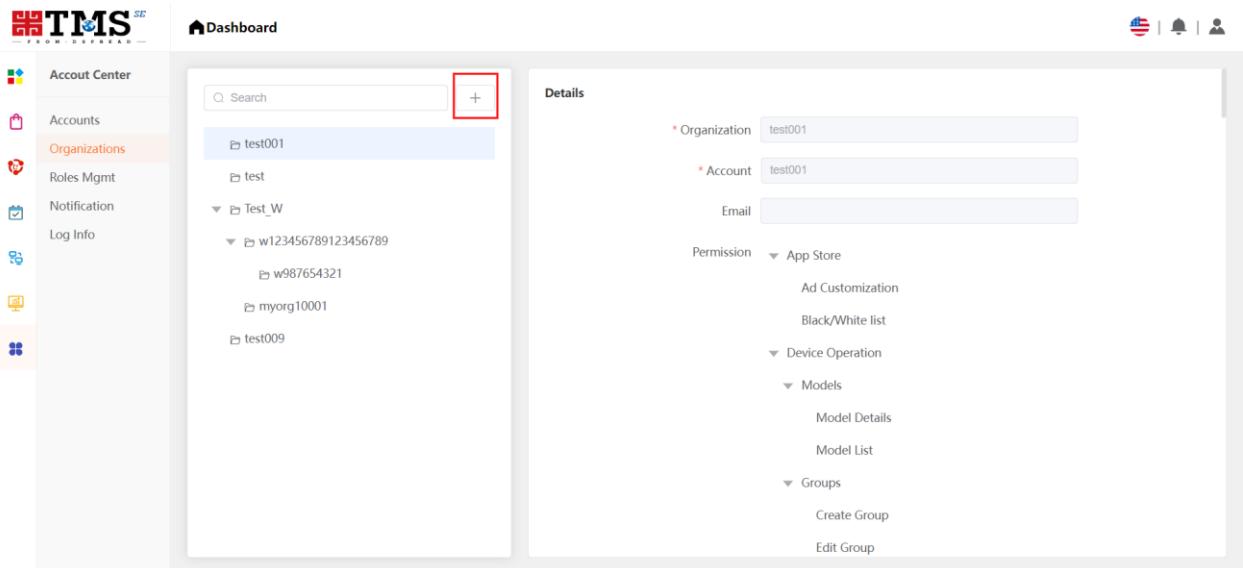
5.2.2 Institutional Details



This screenshot is similar to the previous one, showing the TMS software interface. The left sidebar and the main dashboard area are identical. The 'Organizations' list on the left shows 'test001' selected and highlighted with a red box. The 'Details' window on the right is also identical to the previous screenshot, displaying organization details and various management options.

1. Once you are on the Organization Management page, click any organization on the left side of the page, and the system will display the details of the organization in the window on the right.
2. On the details page of the window on the right, you can view information such as the organization name, organization administrator account, email address, role permissions, and organization introduction.

5.2.3 Creation of Institutions

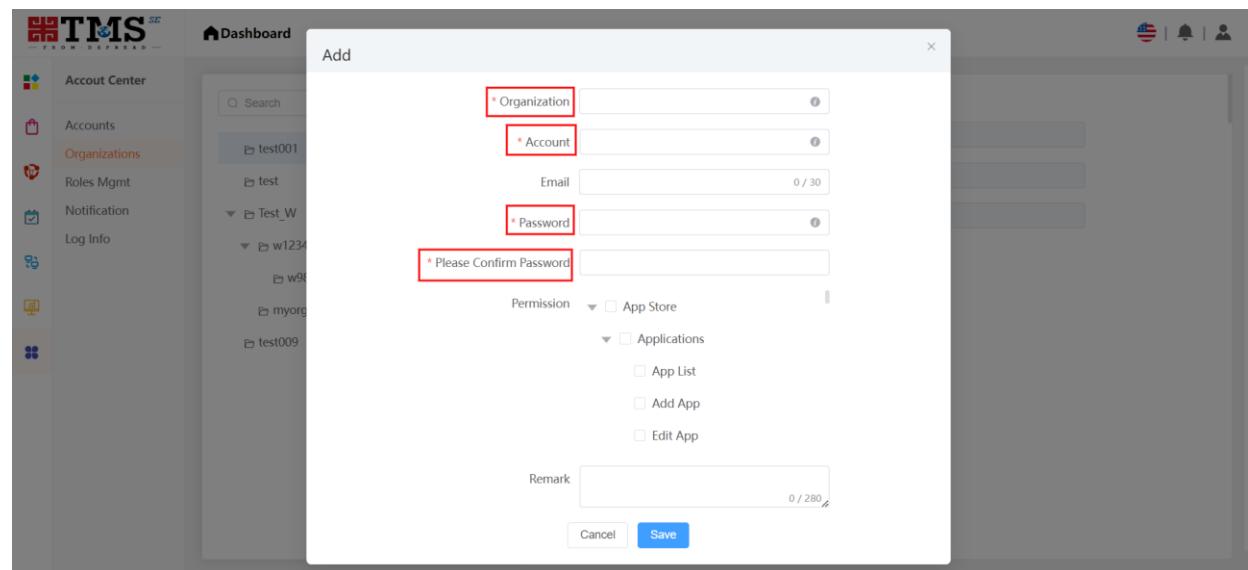


The screenshot shows the LarkTMS dashboard with the 'Organizations' section selected. On the left sidebar, 'Organizations' is highlighted. In the main content area, there is a search bar and a list of organizations including 'test001', 'test', 'Test_W', 'w123456789123456789', 'w987654321', 'myorg10001', and 'test009'. A red box surrounds the '+' button located in the top right corner of the main content area.



- Find the button on the page and click it to start creating a new organization.
- In the pop-up window for creating an organization, you need to fill in the following information:
 - Enter *Institution Name
 - Enter *Organization Administrator Account
 - Enter your email address
 - Enter the *administrator password
 - Enter *to confirm the password
 - Select Role Permissions
 - Enter the introduction of the institution

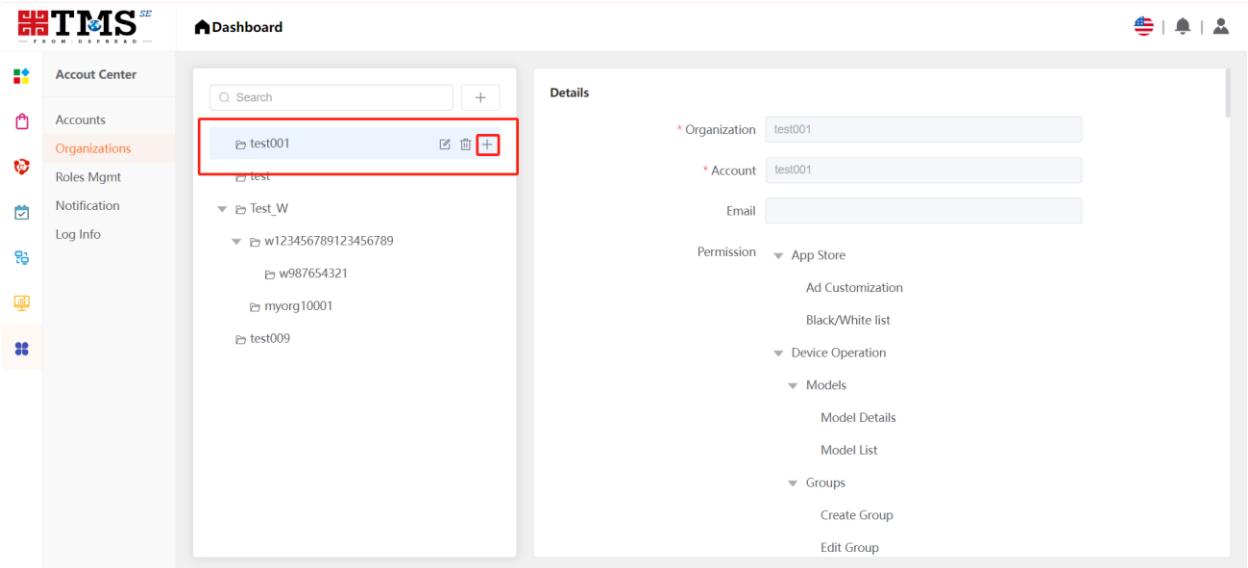
Note: Fields with * are required



The screenshot shows the 'Add' dialog box for creating a new organization. The 'Organization' field is labeled with a red box. The 'Account' field is also labeled with a red box. Below these, there is an 'Email' field and a 'Password' field, both of which are labeled with red boxes. A 'Please Confirm Password' field is also labeled with a red box. To the right of these fields, there is a 'Permission' section with several checkboxes. At the bottom of the dialog box are 'Cancel' and 'Save' buttons.

3. Once you've filled it out, click "Save".

5.2.4 Create sub-organizations

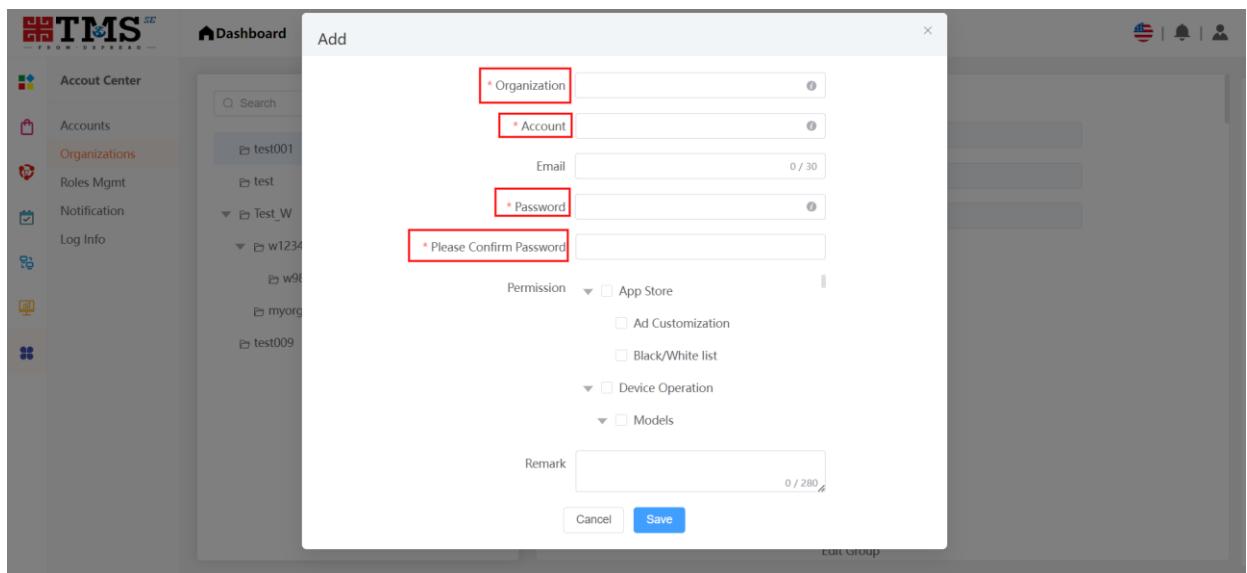


The screenshot shows the LarkTMS dashboard with the 'Organizations' tab selected. On the left, there's a sidebar with icons for Account Center, Accounts, Organizations (which is highlighted in orange), Roles Mgmt, Notification, Log Info, and other options. The main area displays a list of organizations. One organization, 'test001', is selected and highlighted with a red box. To the right of the list, a 'Details' panel appears with the following fields:

- * Organization: test001
- * Account: test001
- Email: (empty)
- Permission: (dropdown menu)
- Ad Customization
- Black/White list
- Device Operation
- Models
 - Model Details
 - Model List
- Groups
 - Create Group
 - Edit Group

1. Select an organization for which you want to create a suborganization.
2. Find the button to the right of the selected organization  and click it to start creating a new suborganization.
3. In the pop-up window for creating an organization, you need to fill in the following information:
 - Enter *Institution Name
 - Enter *Organization Administrator Account
 - Enter your email address
 - Enter the *administrator password
 - Enter * to confirm the password
 - Select the role permission (**the role permission of the child organization will be less than or equal to the parent organization**).
 - Enter the introduction of the institution

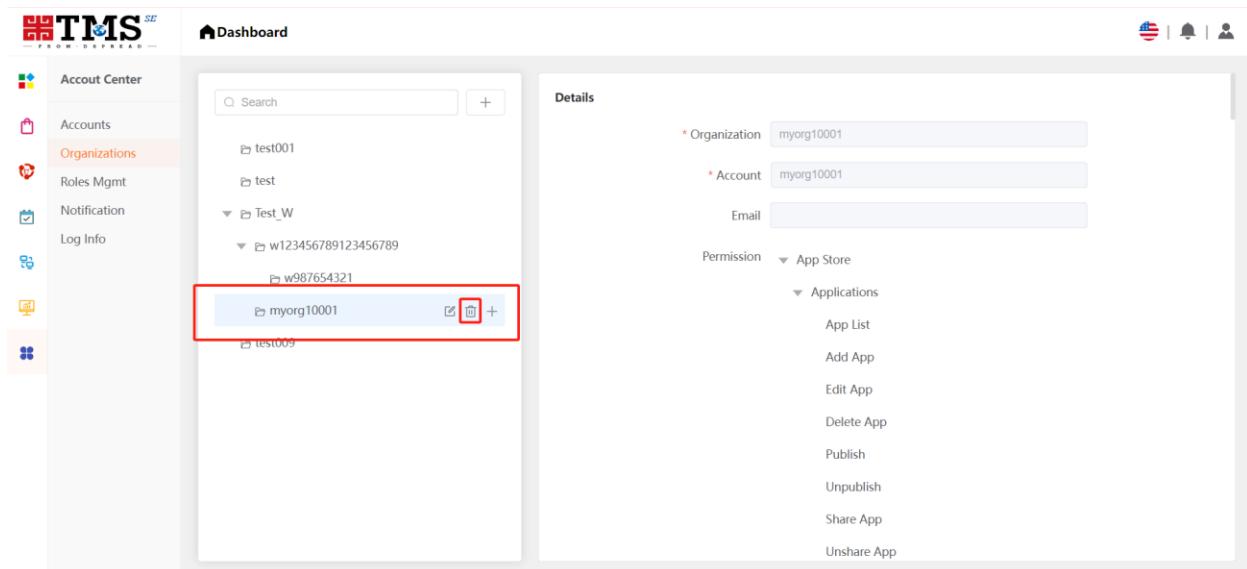
Note: Fields with * are required



The screenshot shows the 'Add' dialog box for creating a new organization. The required fields ('Organization', 'Account', 'Password', and 'Please Confirm Password') are highlighted with red boxes. The 'Permission' section contains several checkboxes: 'App Store', 'Ad Customization', 'Black/White list', 'Device Operation', and 'Models'. Below the permission section is a 'Remark' text area and a 'Save' button.

- Once you've filled it out, click "Save".

5.2.5 Deletion of institutions

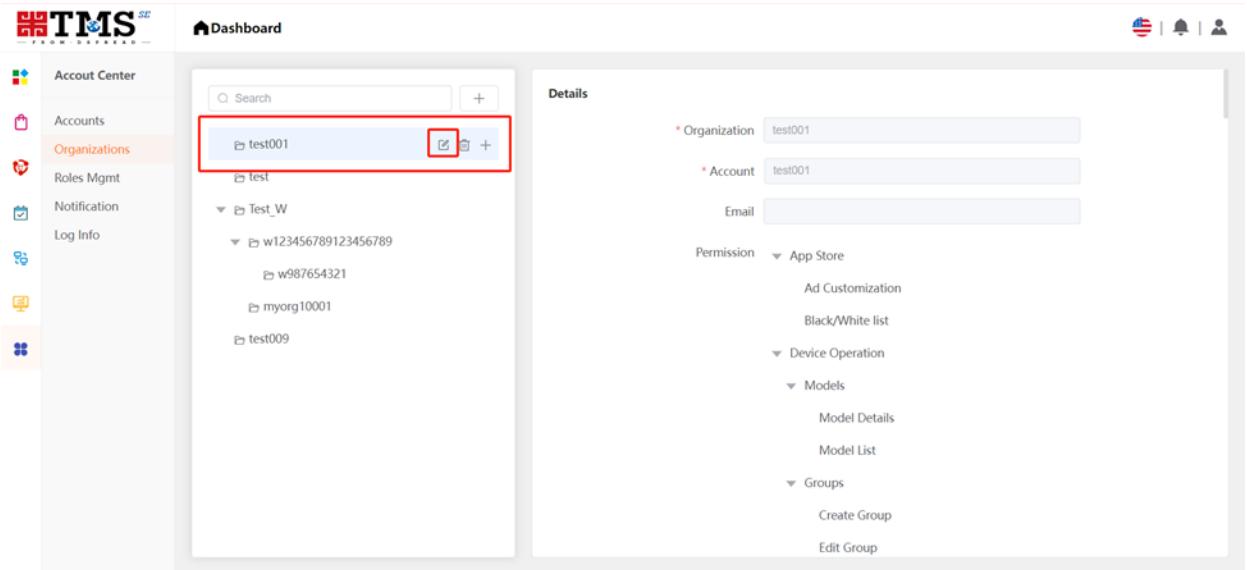


The screenshot shows the 'Organizations' page. An organization named 'myorg10001' is selected and highlighted with a red box. To its right is a delete icon (trash can). The right panel displays the 'Details' for this organization, including fields for Organization (myorg10001) and Account (myorg10001), and a 'Permission' section. The 'Applications' section on the right includes options such as App List, Add App, Edit App, Delete App, Publish, Unpublish, Share App, and Unshare App.

- Select an organization that needs to be deleted.

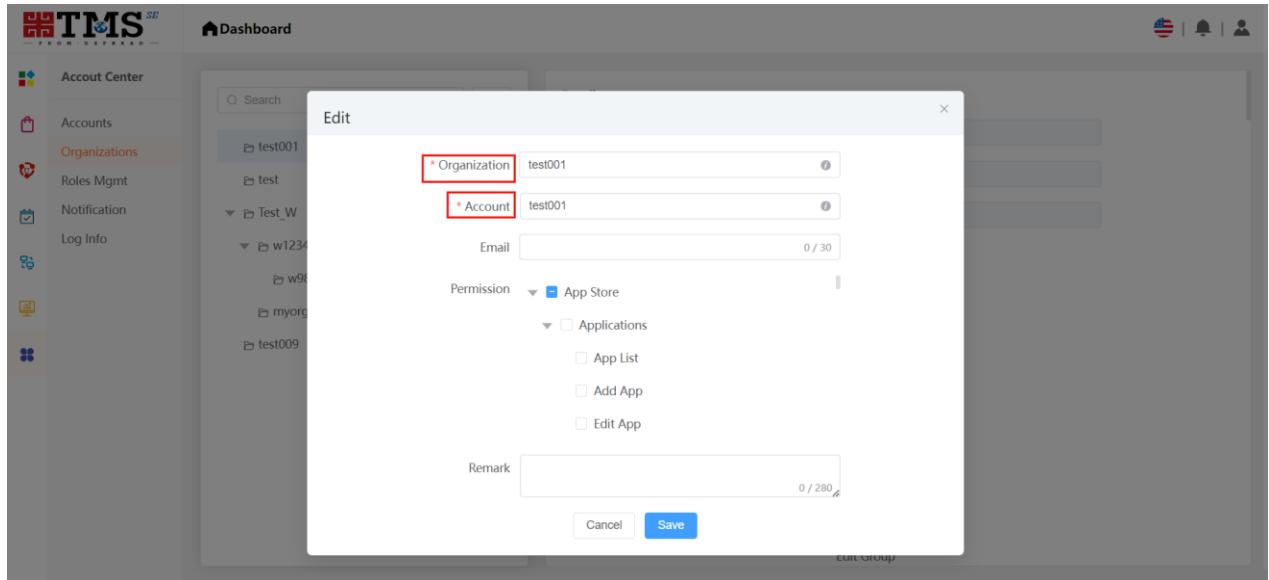
- Click the button to the right of the selected organization .
- Click "OK" again to delete the organization.

5.2.6 Editorial Agencies

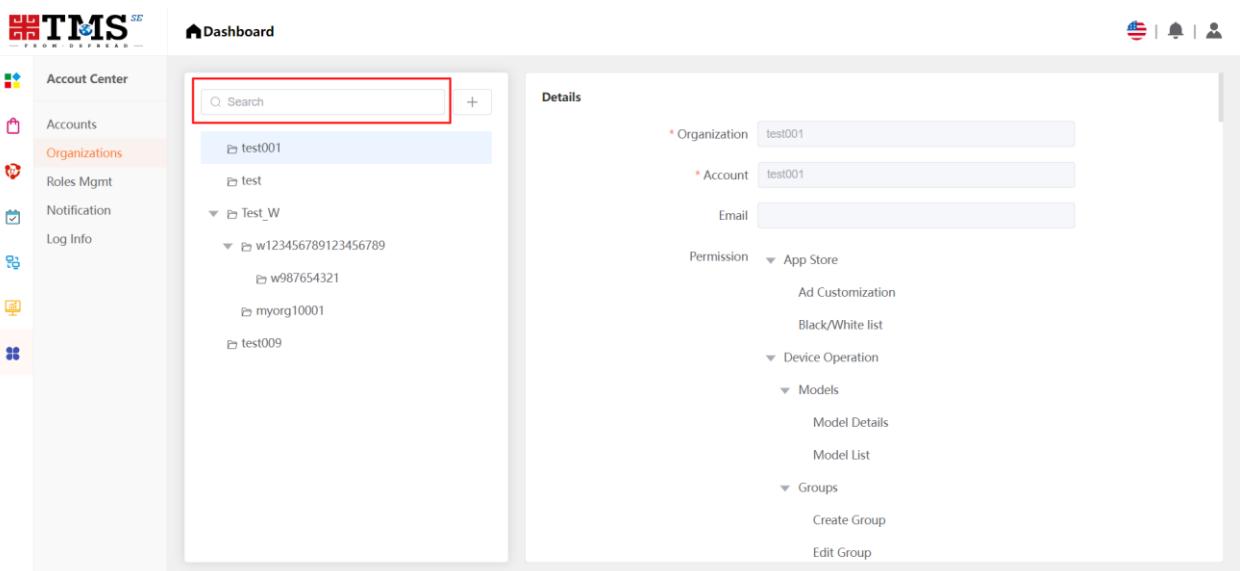


The screenshot shows the LarkTMS dashboard with the 'Organizations' section selected. On the left, there's a sidebar with icons for Account Center, Accounts, Organizations (which is highlighted in orange), Roles Mgmt, Notification, Log Info, and other options. The main area shows a list of organizations. One organization, 'test001', is selected and highlighted with a red box. To the right, a 'Details' panel displays information for this organization, including its name, account, email, and various permission settings.

1. Select an organization that needs to be modified.
2. Click the button to the right of the selected organization  to start modifying the organization's information.
3. The information that can be modified is:
 - *Name of the institution
 - *Administrator account name
 - mailbox
 - Role permissions
 - Institution Introduction
- Note:** Fields with * are required
4. After filling in the modification information, click the "Save" button to modify it successfully.



5.2.7 Inquiry Agency



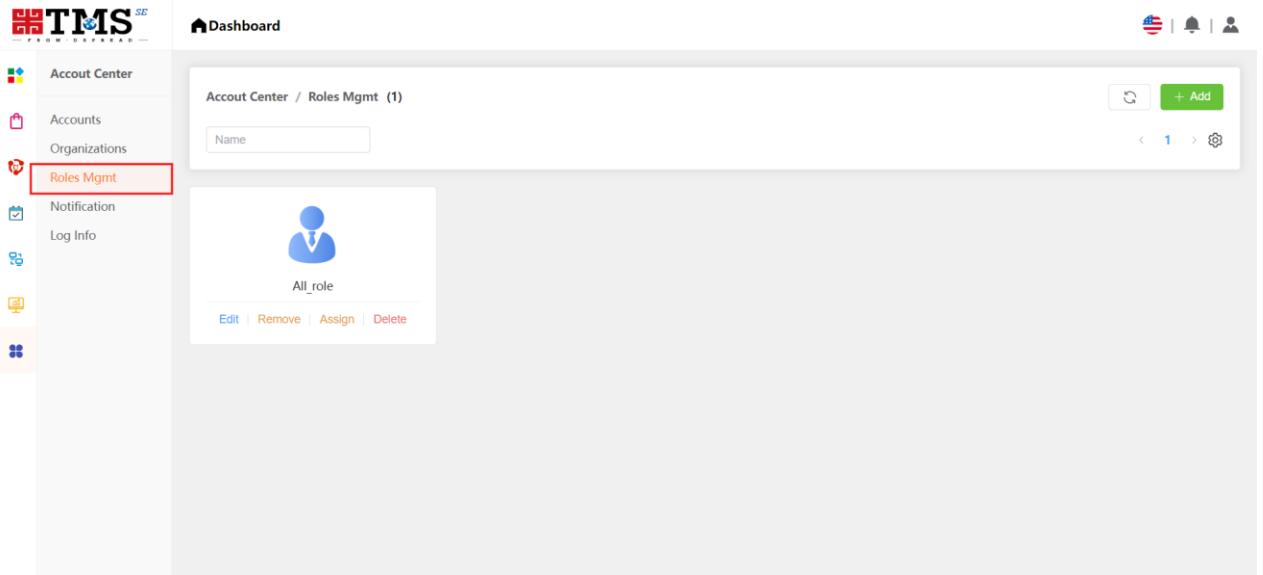
The screenshot shows the LarkTMS application interface. On the left, there is a sidebar with various icons and menu items: Account Center, Accounts, **Organizations**, Roles Mgmt, Notification, and Log Info. The 'Organizations' item is currently selected. In the main area, there is a search bar at the top left with the placeholder 'Search'. Below it is a list of organizations, with 'test001' being the selected item. To the right of the list, there is a 'Details' panel containing the following information:

- Organization:** test001
- Account:** test001
- Email:** [empty input field]
- Permission:** App Store (selected)
- Other options:** Ad Customization, Black/White list, Device Operation, Models, Model Details, Model List, Groups, Create Group, Edit Group.

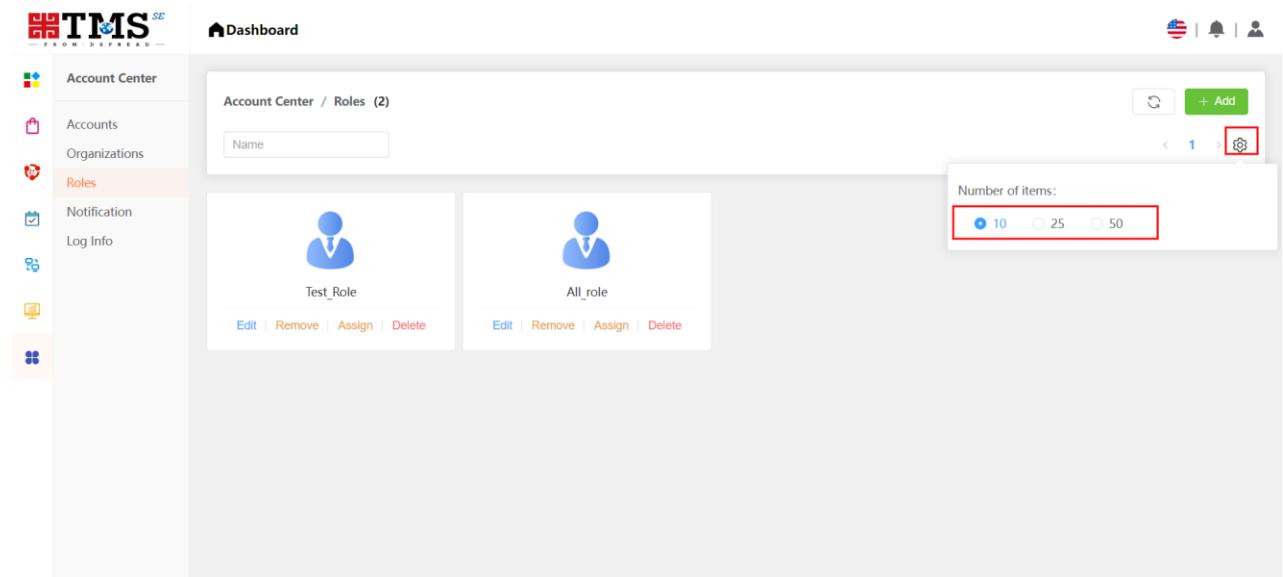
1. Find the organization search box at the top of the page and enter the full name or part of the keywords of the organization you want to search.
2. After completing the input check, click the Enter button to perform the query operation.

5.3 Role Management

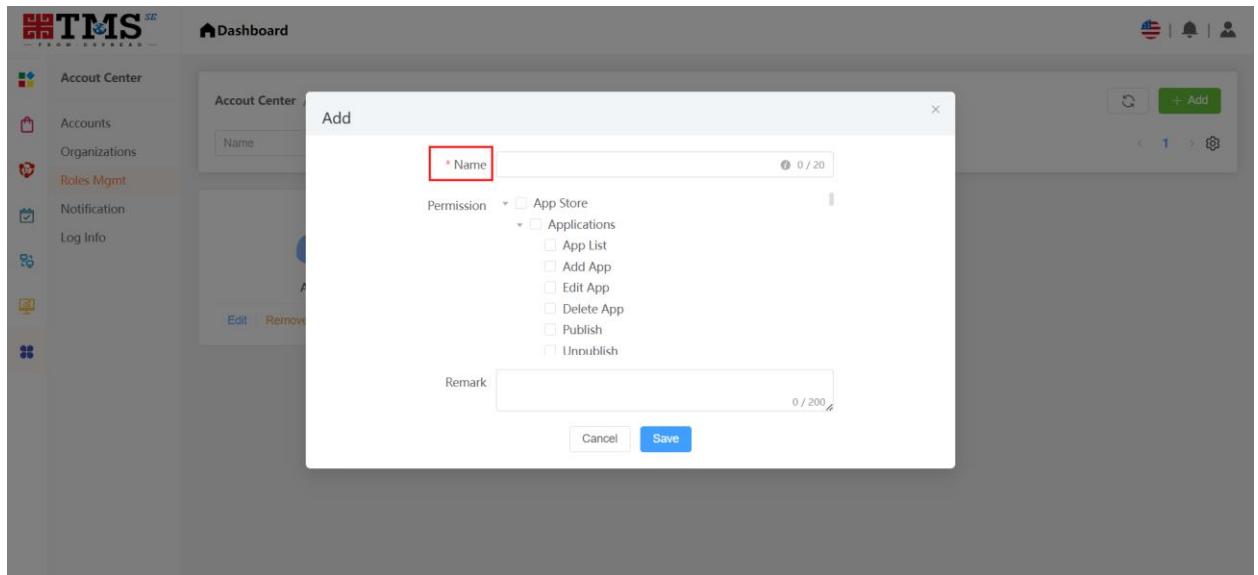
1. Click the 【Account Center】 -> 【Roles Mgmt】 button on the left menu bar to enter the role management page.



2. Find the icon in the upper right corner of the page  , and click it to change the number of data entries displayed in pagination.



5.3.1 New Characters

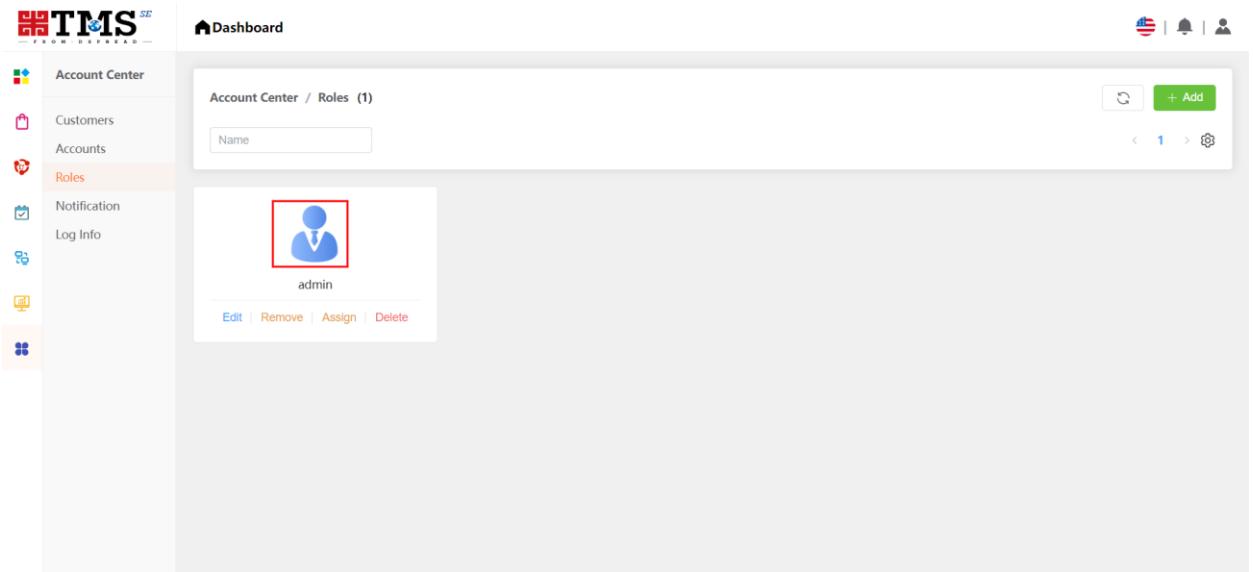


1. Click the Add button at the top right of the interface  to start adding a new character, and you need to fill in the following information in the pop-up window:
 - Enter *****Role Name
 - Select Role Permissions
 - Enter a description of the role

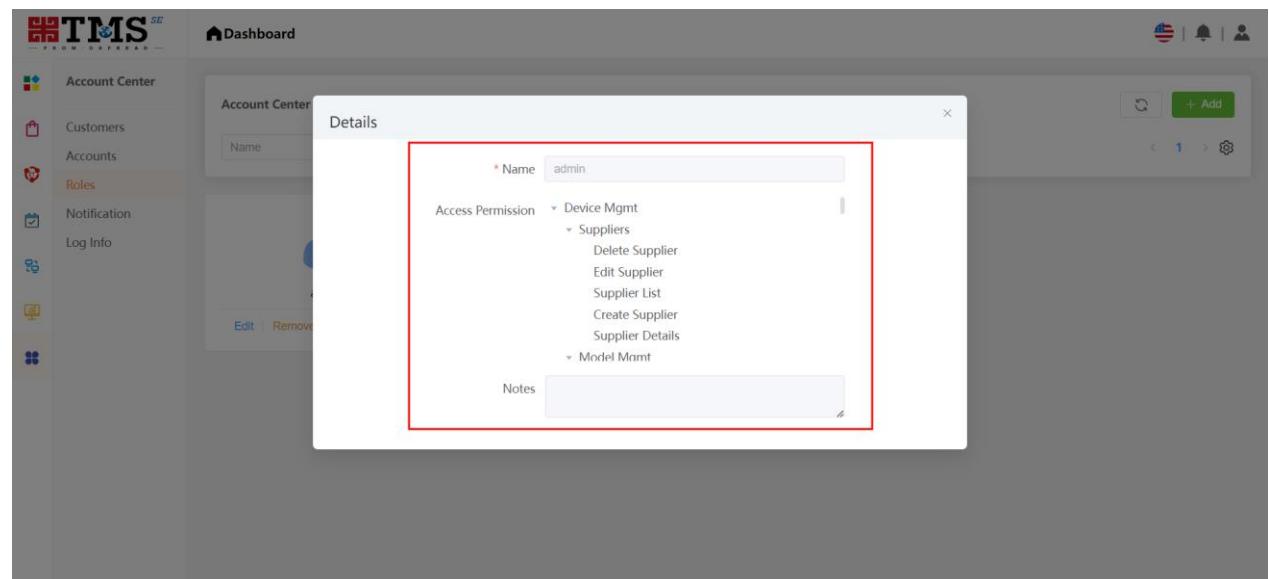
Note: Fields with ***** are required.

2. After the input is completed, click "Save" to create it successfully

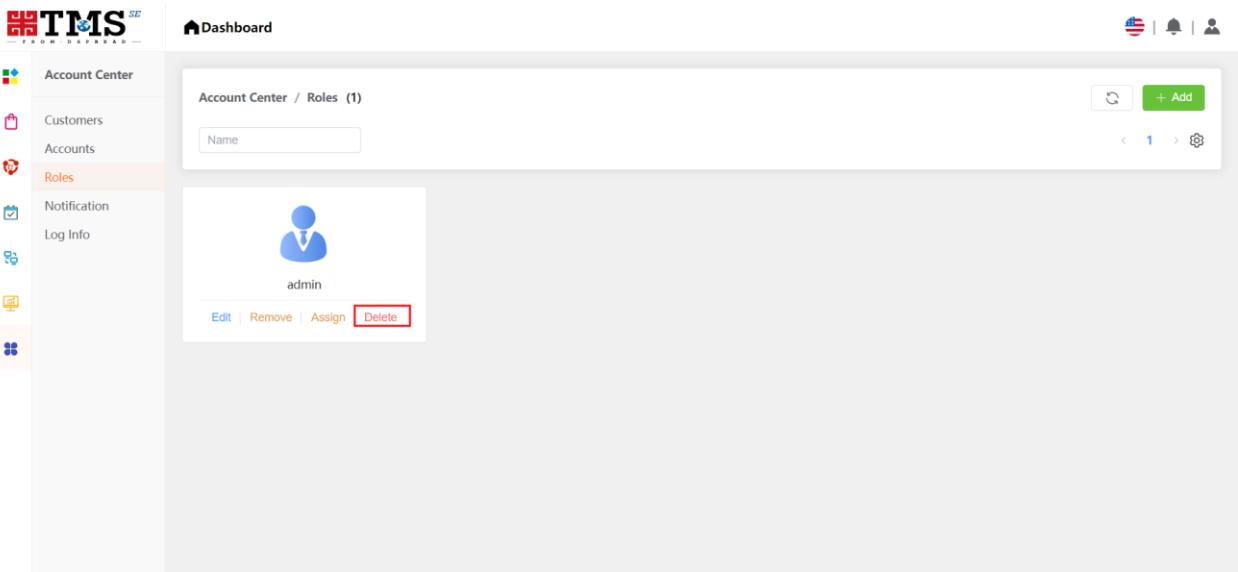
5.3.2 Role Details



1. Click the icon on the role management page to enter the role details page.
2. On the role details page, you can view the role name, role permissions, and description of the role.

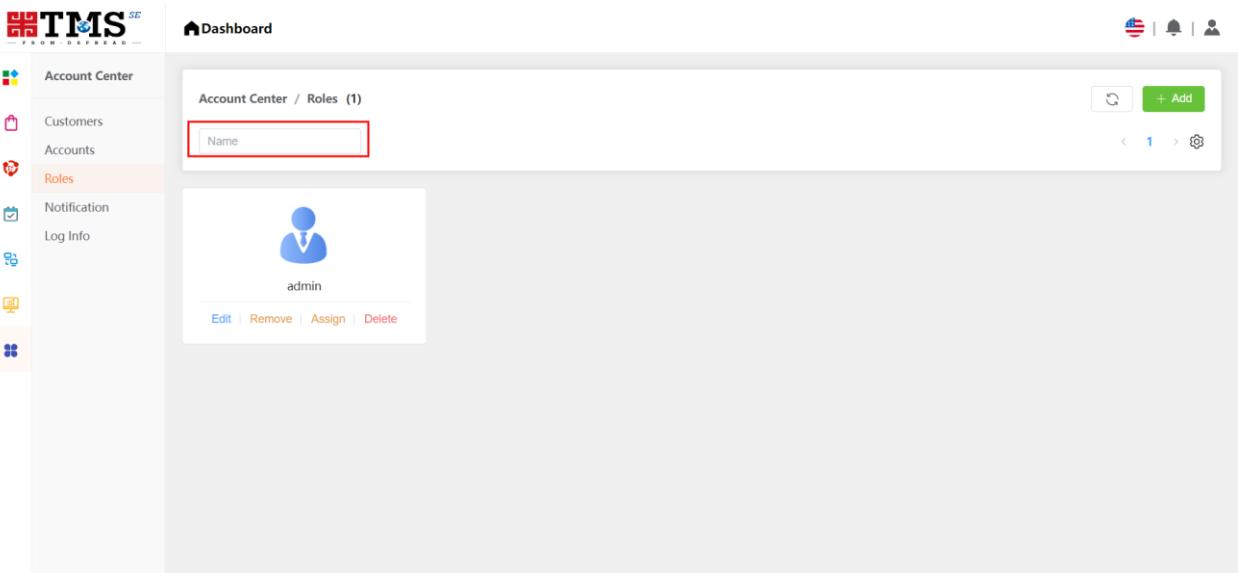


5.3.3 Delete Roles



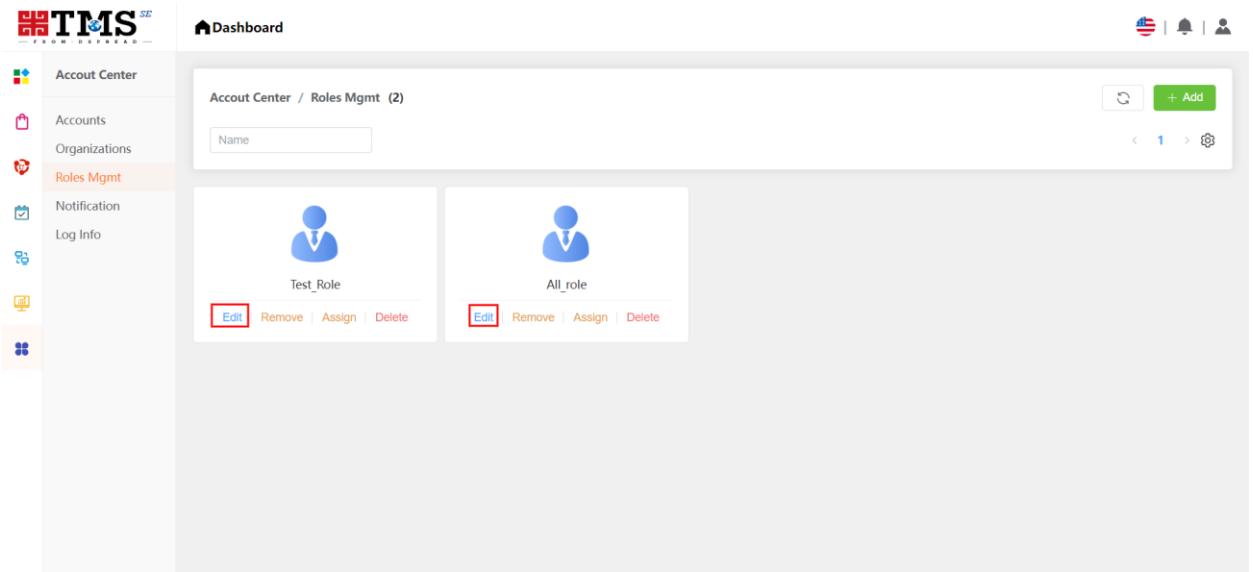
1. Find the "Delete" button in the bottom right corner of each character grid and click on it.
2. Click and click "OK" in the pop-up box to delete it successfully.

5.3.4 Query roles

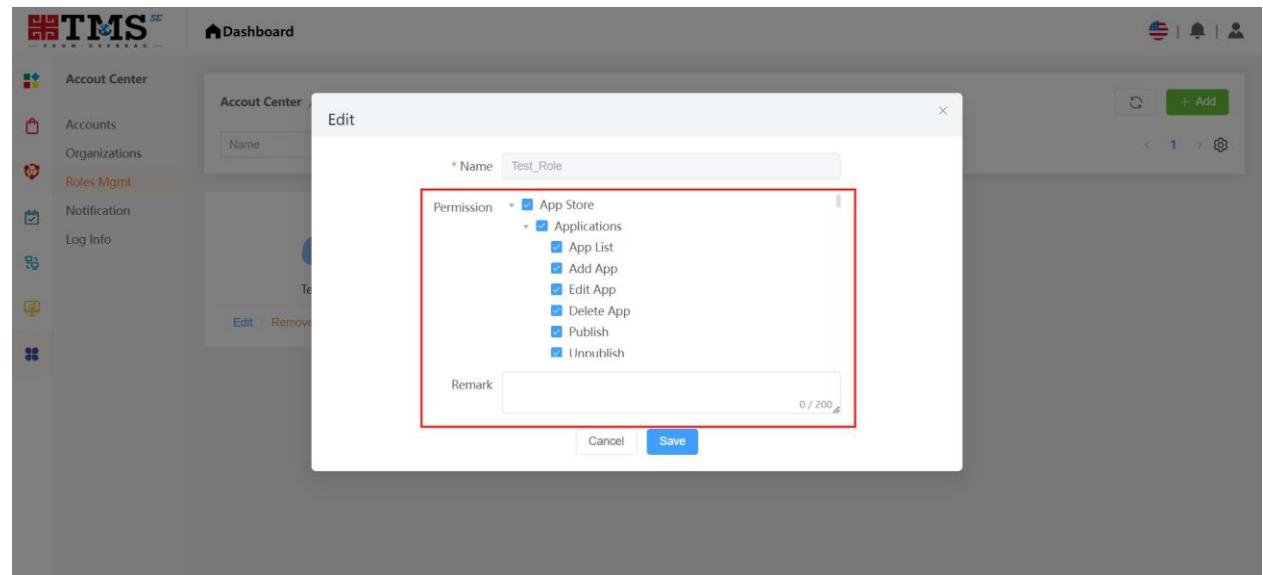


1. Find the search box at the top left of the screen and enter the name of the character you want to search.
2. After the input is complete, click the Enter button to perform the query operation.

5.3.5 Modify Roles

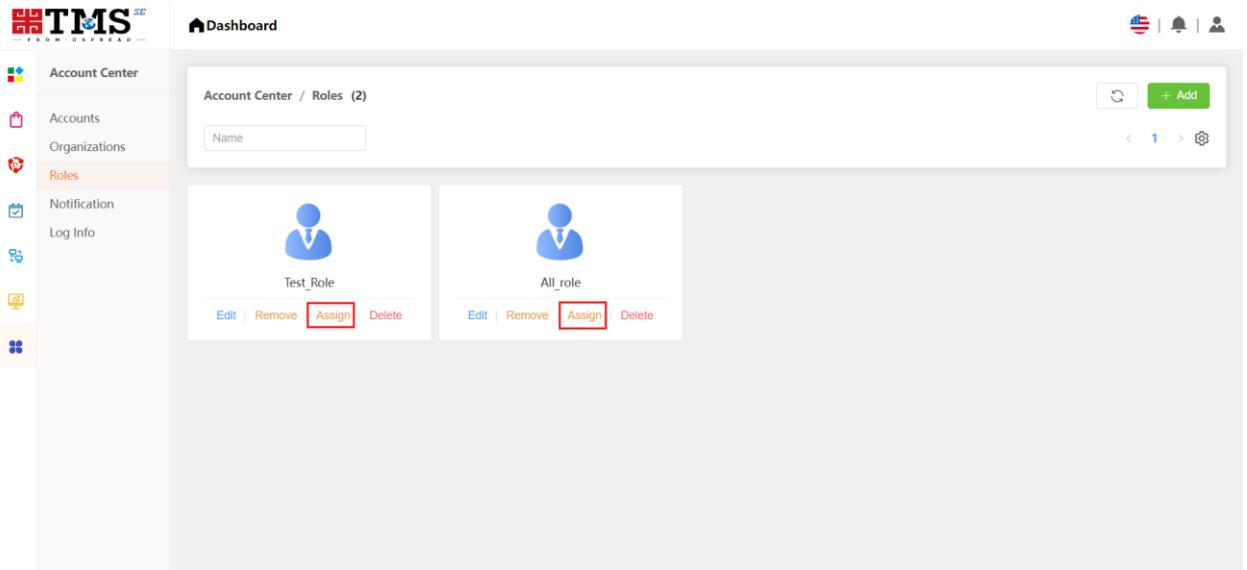


1. Find the "Edit" button in the bottom left corner of each character grid and click on it.
2. In the Modify Role pop-up window, modify the role permissions and description of the role.

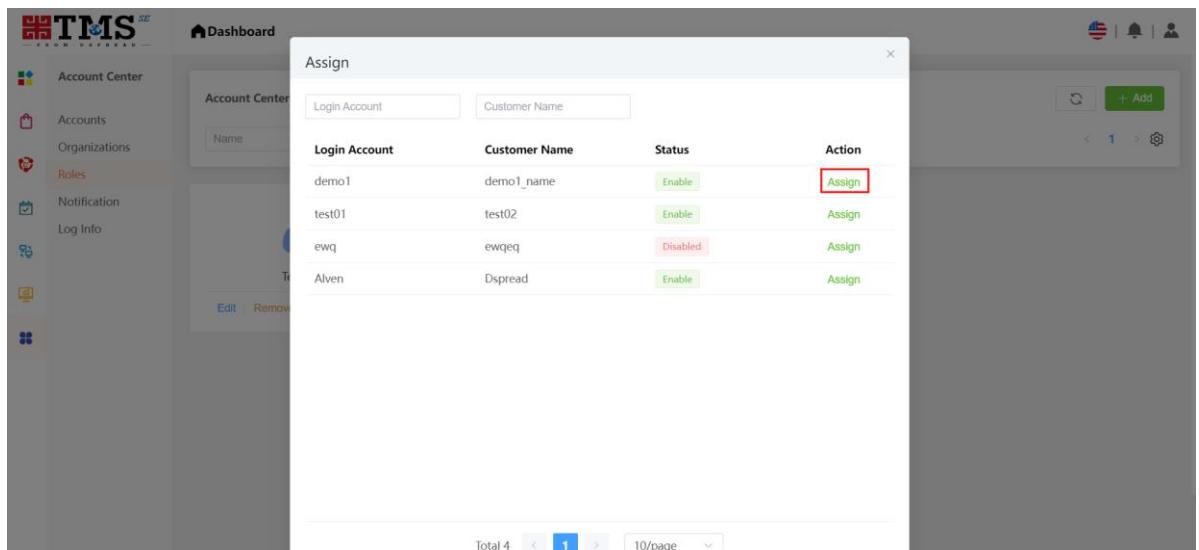


3. After the modification is completed, click "Save" to modify it successfully.

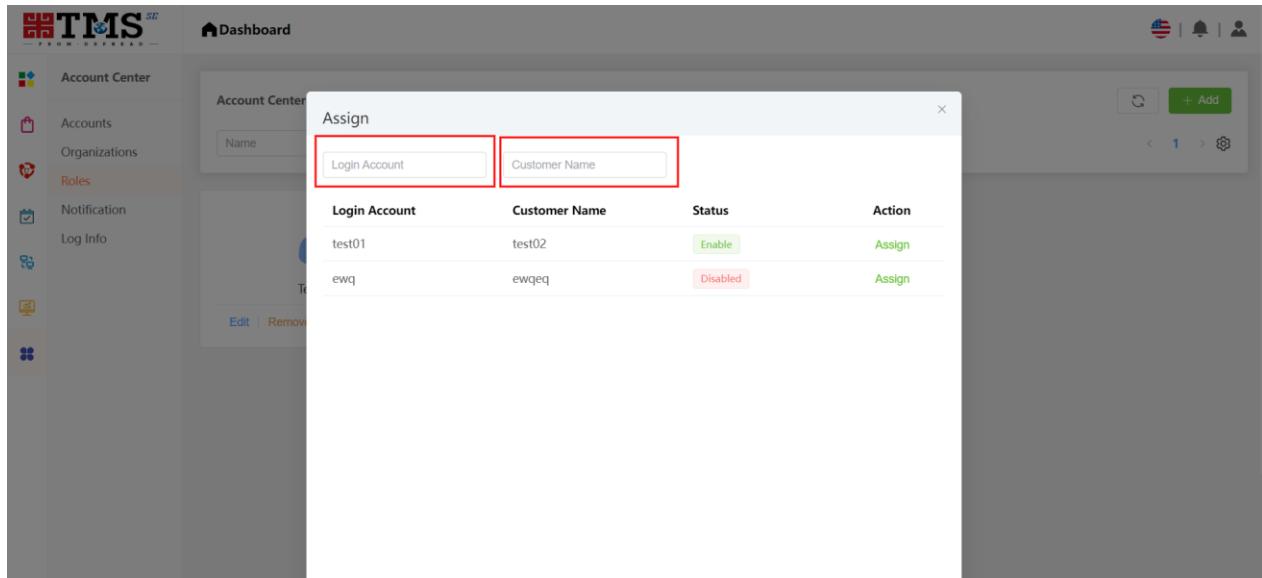
5.3.6 Assign roles



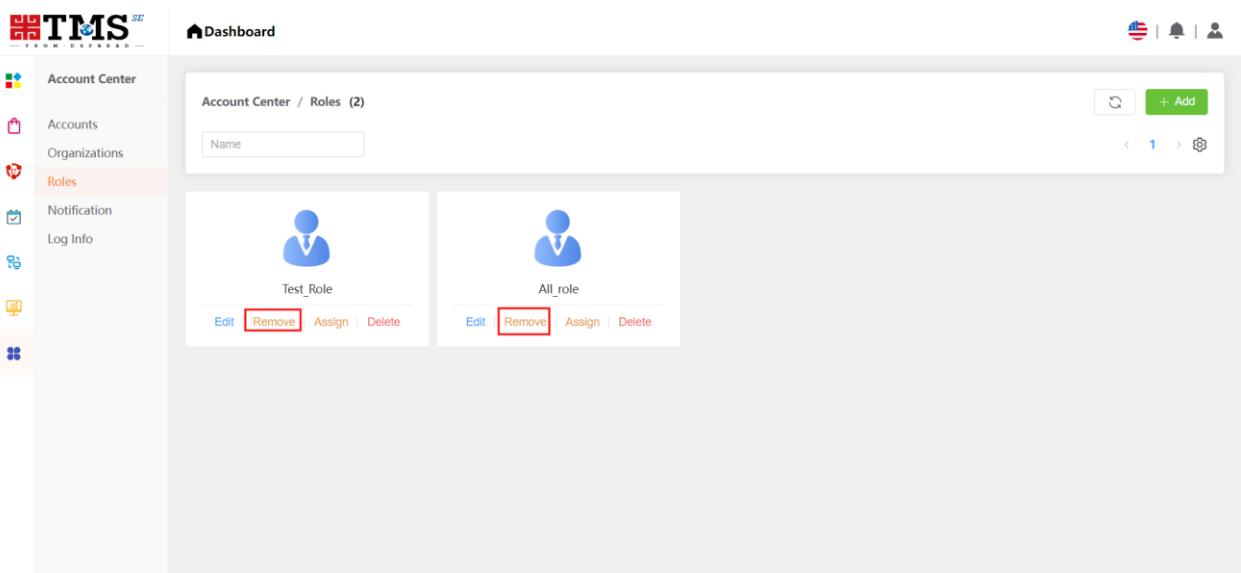
1. Find the "Assign" button below each character grid and click on it.
2. In the role assignment pop-up window, all accounts under the current organization will be displayed, and you only need to click the "Assign" button on the far right to assign roles to the accounts.



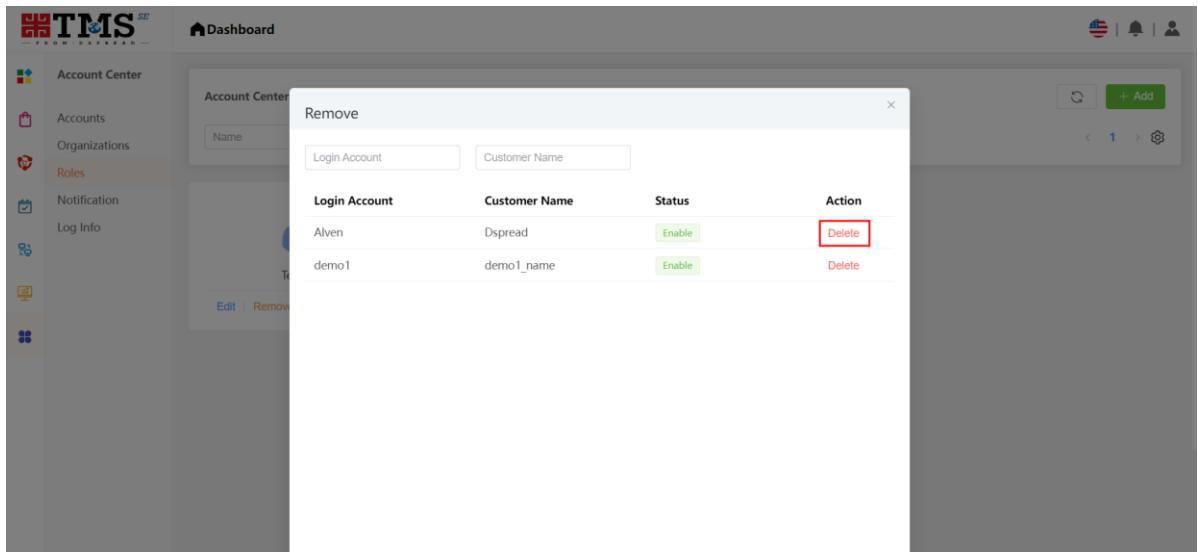
3. If you have too many accounts at your current organization, you can also use the login account search box and the customer name search box at the top of the window to search.



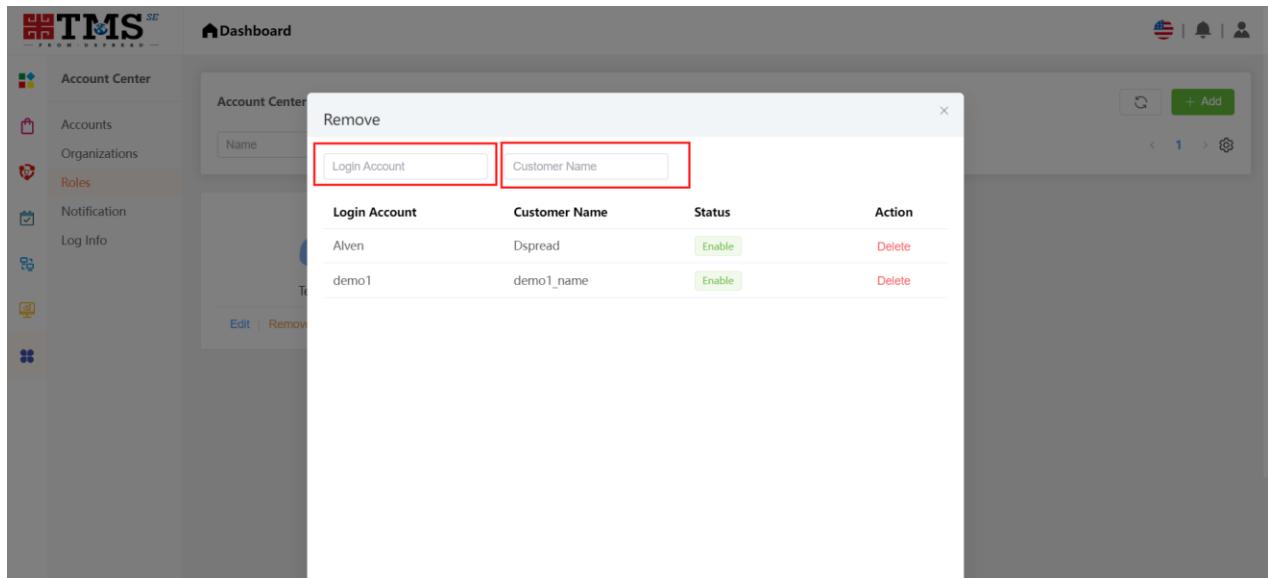
5.3.7 Management Roles



1. Find the "Remove" button below each character grid and click on it.
2. In the pop-up window of Manage Roles, all accounts that have been assigned to the role under the current organization will be displayed, and you only need to click the "Delete" button on the far right of each row to remove the role.



- If you have too many accounts at your current organization, you can also use the login account search box and the customer name search box at the top of the window to search.



5.4 Notification Management

- Click the 【Account Center】 -> 【Notification】 button on the left menu bar to enter the notification management page.

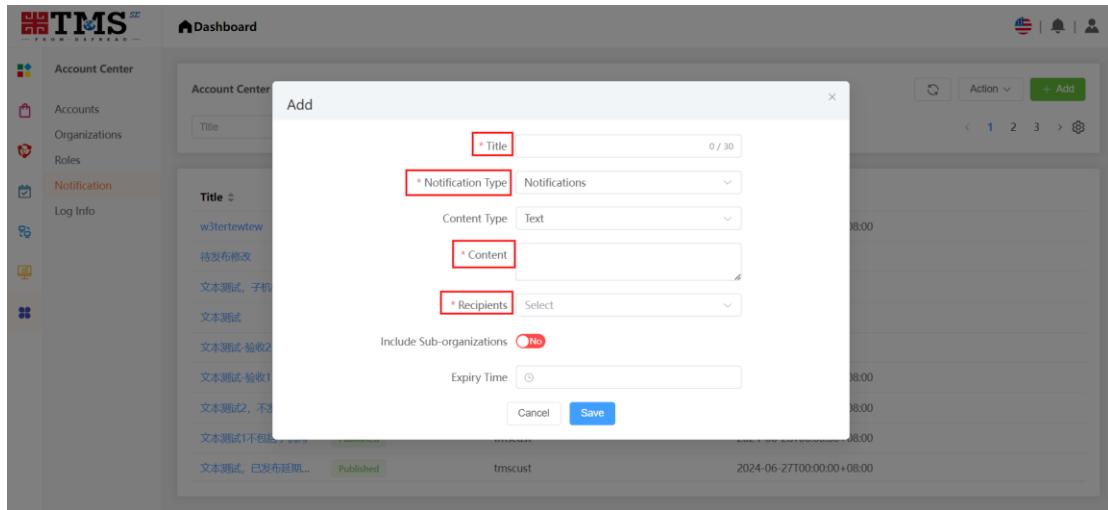
Title	Status	Sender	Expire Time
待发布修改	Published	tmscust	-
文本测试，子机构	Published	tmscust	-
文本测试	Published	tmscust	-
文本测试-验收2	Published	tmscust	-
文本测试-验收11	Published	tmscust	2024-07-02T00:00:00+08:00
文本测试2，不发送给...	Published	tmscust	2024-06-28T00:00:00+08:00
文本测试1不包括子机构	Published	tmscust	2024-06-28T00:00:00+08:00
文本测试，已发布延期...	Published	tmscust	2024-06-27T00:00:00+08:00
测试子机构的子机构能...	Published	tmscust	2024-06-27T00:00:00+08:00

2. Find the icon in the upper right corner of the page , and click it to change the number of data bars displayed in pagination; You can also modify the displayed list header.

5.4.1 Add notifications

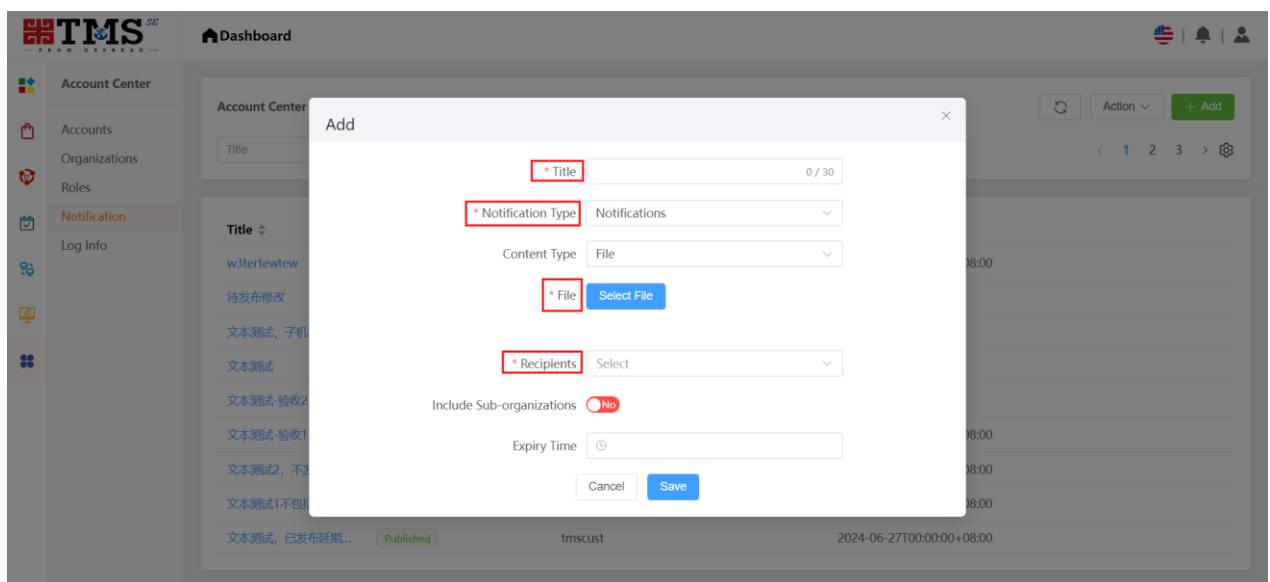
- Click the Add button at the top right of the interface to start adding a notification, and you need to fill in the following information in the pop-up window:
 - The content type is text
 - Enter *Title
 - Select *Notification type
 - Select the content type (**text and file form can be selected**).
 - Enter *Notification content
 - Select *Recipient
 - Selects whether the recipient contains a sub-organization (**when enabled, the sub-organization can also receive the notification**).

- Select the notification expiration date (**notifications after the expiration date will no longer be displayed on the notification screen**).



b. The content type is file

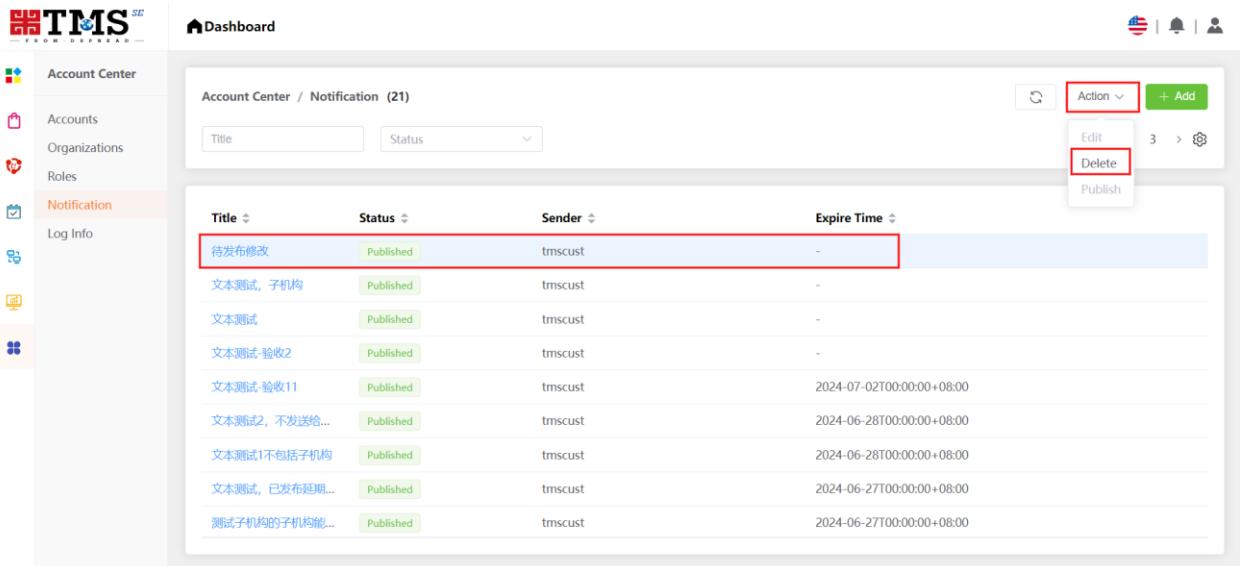
- Enter ***Title**
- Select ***Notification type**
- Select the content type (**text and file form can be selected**).
- Enter ***Notification file (PDF only)**.
- Select ***Recipient**
- Selects whether the recipient contains a sub-organization (**when enabled, the sub-organization can also receive the notification**).
- Select the notification expiration date (**notifications after the expiration date will no longer be displayed on the notification screen**).



Note: Fields with * are required.

- After filling in all the information in the above fields, check that everything is correct, and click Save.

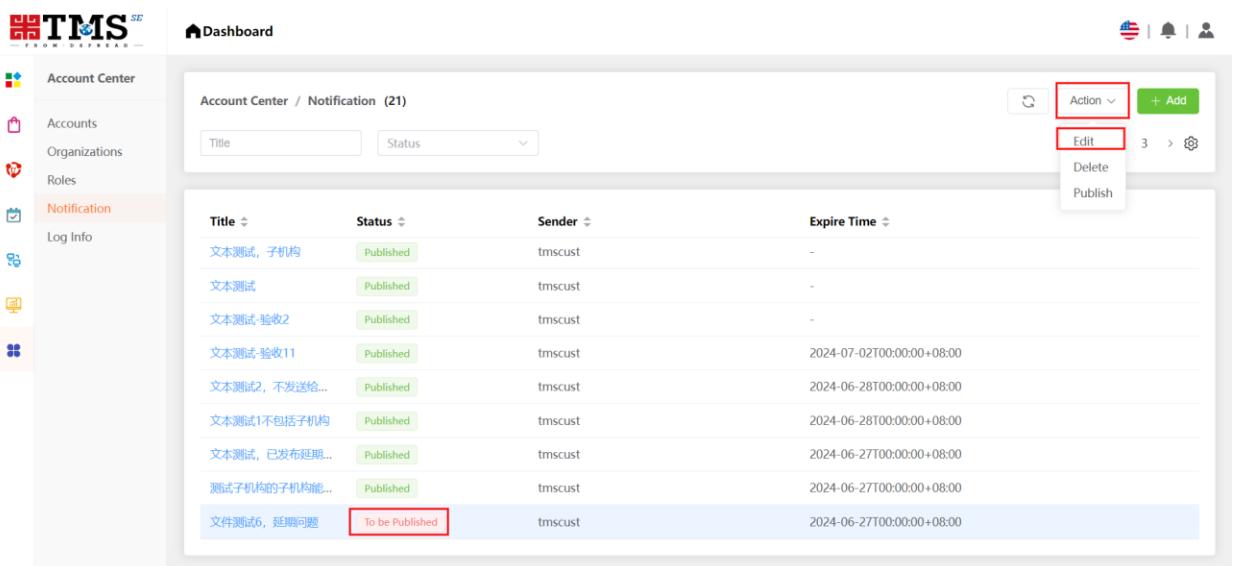
5.4.2 Deletion Notice



Title	Status	Sender	Expire Time
待发布修改	Published	tmscust	-
文本测试, 子机构	Published	tmscust	-
文本测试	Published	tmscust	-
文本测试-验收2	Published	tmscust	-
文本测试-验收11	Published	tmscust	2024-07-02T00:00:00+08:00
文本测试2, 不发送给...	Published	tmscust	2024-06-28T00:00:00+08:00
文本测试1不包括子机构	Published	tmscust	2024-06-28T00:00:00+08:00
文本测试, 已发布延期...	Published	tmscust	2024-06-27T00:00:00+08:00
测试子机构的子机构能...	Published	tmscust	2024-06-27T00:00:00+08:00

- First, select the notification you want to delete (**click on the line where the notification is located**), then click the "Action" button at the top right of the page, and click "Delete" in the drop-down box.
- Click Confirm in the pop-up window to delete the notification.

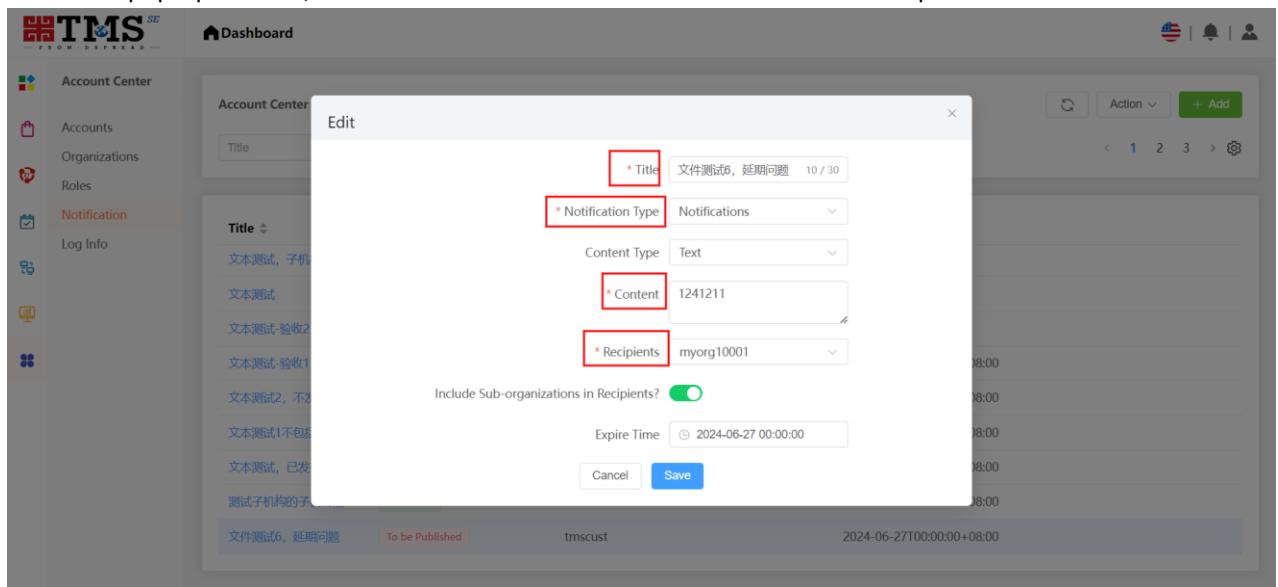
5.4.3 Notice of Modification



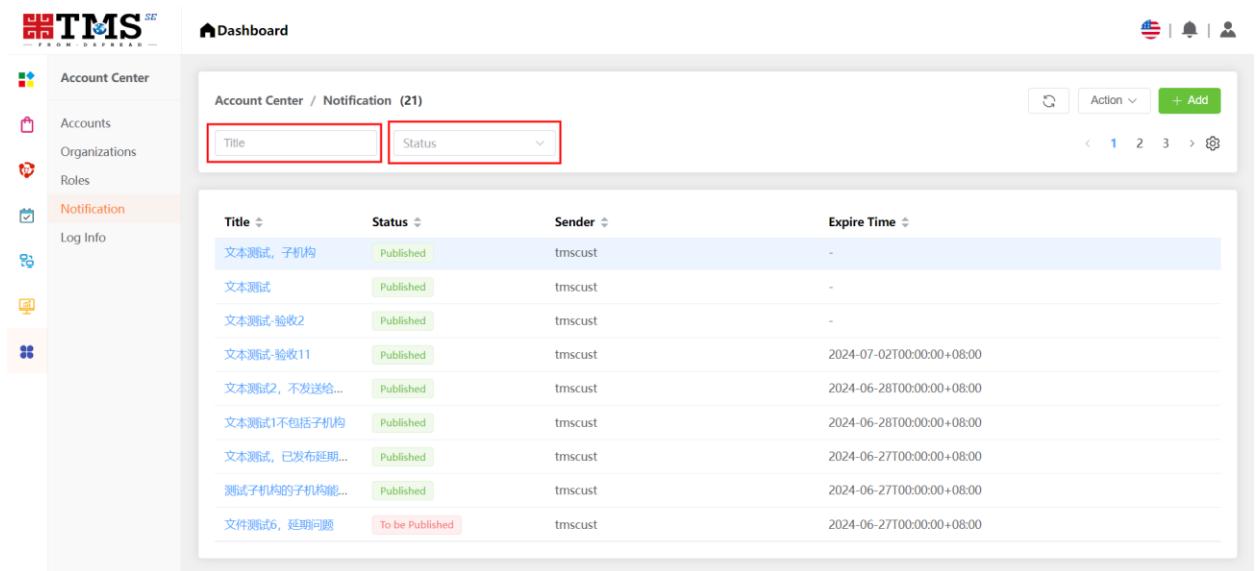
Title	Status	Sender	Expire Time
文本测试, 子机构	Published	tmscust	-
文本测试	Published	tmscust	-
文本测试-验收2	Published	tmscust	-
文本测试-验收11	Published	tmscust	2024-07-02T00:00:00+08:00
文本测试2, 不发送给...	Published	tmscust	2024-06-28T00:00:00+08:00
文本测试1不包括子机构	Published	tmscust	2024-06-28T00:00:00+08:00
文本测试, 已发布延期...	Published	tmscust	2024-06-27T00:00:00+08:00
测试子机构的子机构能...	Published	tmscust	2024-06-27T00:00:00+08:00
文件测试6, 延期问题	To be Published	tmscust	2024-06-27T00:00:00+08:00

- Note:** The prerequisite for modifying a notification is that it is not published.
- Click the notification line to be modified, find the "Action" button in the upper right corner of the interface, and select the "Edit" button in the drop-down box.

3. In the pop-up window, click the "Save" button when the modification is complete.



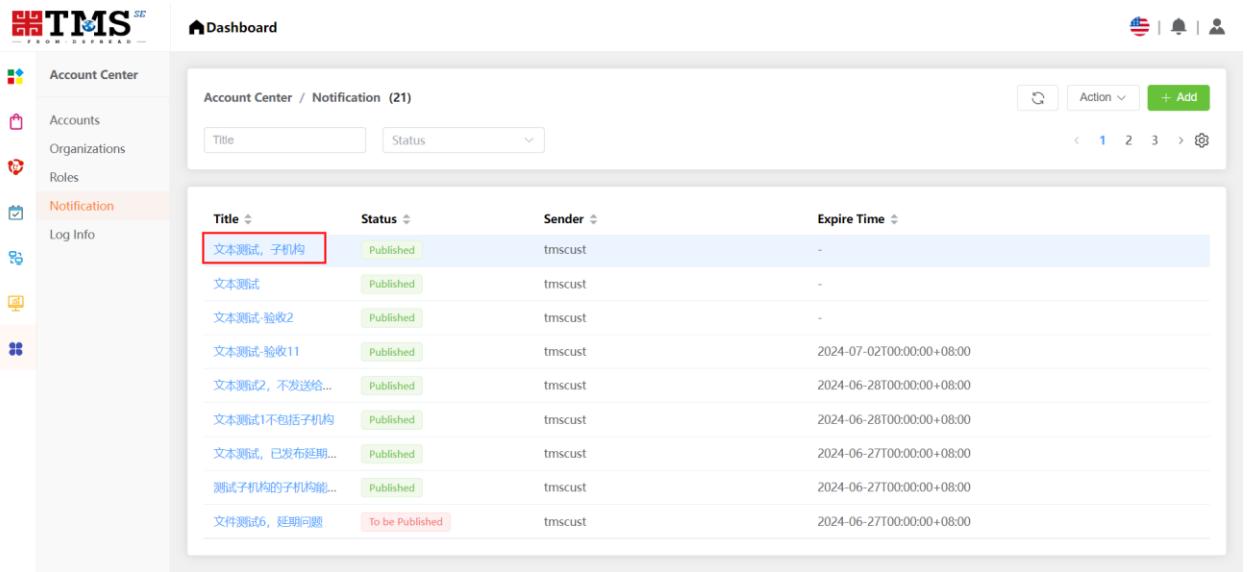
5.4.4 Query Notifications



Title	Status	Sender	Expire Time
文本测试, 子机构	Published	tmscust	-
文本测试	Published	tmscust	-
文本测试-验收2	Published	tmscust	-
文本测试-验收11	Published	tmscust	2024-07-02T00:00:00+08:00
文本测试2, 不发送...	Published	tmscust	2024-06-28T00:00:00+08:00
文本测试1不包括子机构	Published	tmscust	2024-06-28T00:00:00+08:00
文本测试, 已发布延期...	Published	tmscust	2024-06-27T00:00:00+08:00
测试子机构的子机构能...	Published	tmscust	2024-06-27T00:00:00+08:00
文件测试6, 延期问题	To be Published	tmscust	2024-06-27T00:00:00+08:00

- 1.In the upper-left corner of the notification management page, find the notification title search box and the status search box.
- 2.Enter the title you want to search in the title search box, click Enter, and you can search.
- 3.Click the Status drop-down box and select the status to be queried.
- 4.You can make a single query for the title and status, or you can search for two search boxes together to do a multi-criteria query.

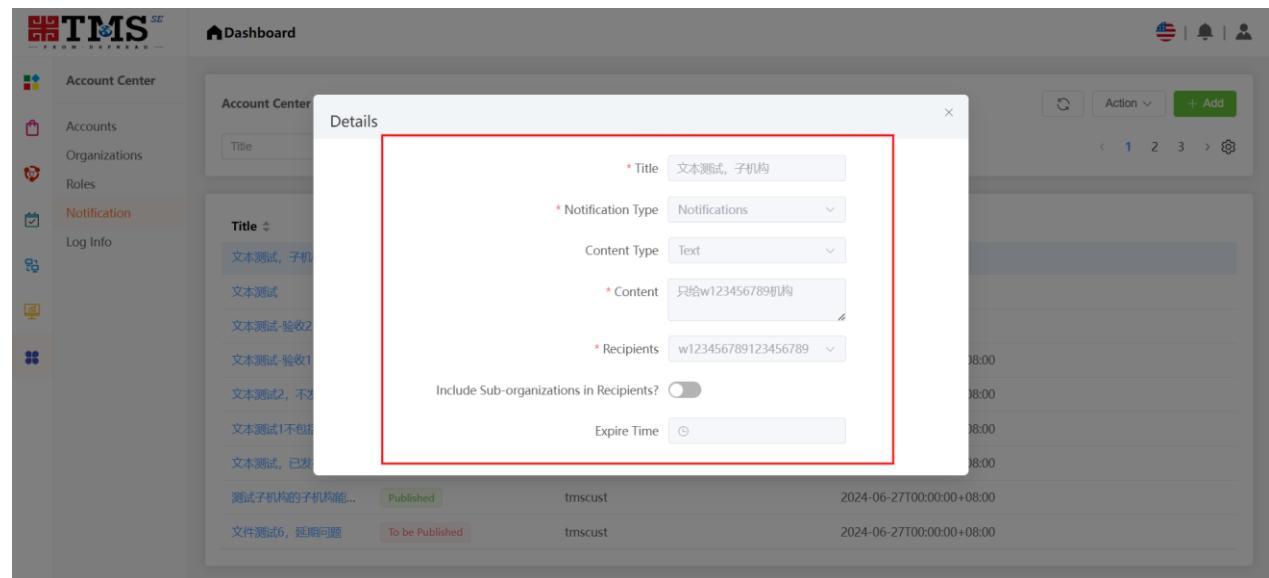
5.4.5 Notification Details



The screenshot shows the LarkTMS dashboard with the 'Notification' section selected. The notification list table has columns: Title, Status, Sender, and Expire Time. One row, '文本测试, 子机构', is highlighted with a red box.

Title	Status	Sender	Expire Time
文本测试, 子机构	Published	tmscust	-
文本测试	Published	tmscust	-
文本测试-验收2	Published	tmscust	-
文本测试-验收11	Published	tmscust	2024-07-02T00:00:00+08:00
文本测试2, 不发送...	Published	tmscust	2024-06-28T00:00:00+08:00
文本测试1不包括子机构...	Published	tmscust	2024-06-28T00:00:00+08:00
文本测试, 已发布延期...	Published	tmscust	2024-06-27T00:00:00+08:00
测试子机构的子机构能...	Published	tmscust	2024-06-27T00:00:00+08:00
文件测试6, 延期问题	To be Published	tmscust	2024-06-27T00:00:00+08:00

Click the title of the notification to go to the notification details page and view the details of the notification.



The screenshot shows the 'Details' modal for the notification titled '文本测试, 子机构'. The modal contains the following fields:

- * Title: 文本测试, 子机构
- * Notification Type: Notifications
- Content Type: Text
- * Content: 只给w123456789机构
- * Recipients: w123456789123456789
- Include Sub-organizations in Recipients? (checkbox)
- Expire Time: 2024-06-27T00:00:00+08:00

5.4.6 Publication Notice

The screenshot shows the 'Notification' section of the TMS SD interface. It lists several notifications with columns for Title, Status, Sender, and Expire Time. One notification, '文件测试6, 延期问题', has its status set to 'To be Published'. The 'Action' button in the header has a dropdown menu with options: Edit, Delete, and Publish. The 'Publish' option is highlighted with a red box.

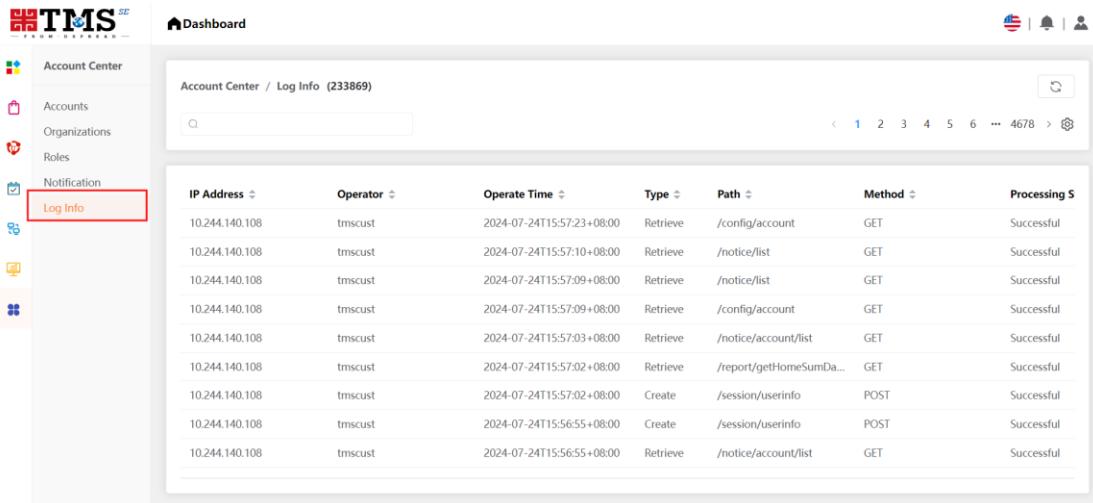
Title	Status	Sender	Expire Time
文本测试, 子机构	Published	tmscust	-
文本测试	Published	tmscust	-
文本测试-验收2	Published	tmscust	-
文本测试-验收11	Published	tmscust	2024-07-02T00:00:00+08:00
文本测试2, 不发送给...	Published	tmscust	2024-06-28T00:00:00+08:00
文本测试1不包括子机构	Published	tmscust	2024-06-28T00:00:00+08:00
文本测试, 已发布延期...	Published	tmscust	2024-06-27T00:00:00+08:00
测试子机构的子机构能...	Published	tmscust	2024-06-27T00:00:00+08:00
文件测试6, 延期问题	To be Published	tmscust	2024-06-27T00:00:00+08:00

- First, select the unpublished notification that needs to be published (**click on the line where the notification is located**), click the "Action" button at the top right of the page, and click "Publish" in the drop-down box
- Click Confirm in the pop-up window to publish the notification.
- After the notification is posted, you will receive the notification at the corresponding organization depending on the notification settings.

The screenshot shows the main dashboard of the TMS SD system. It includes a world map with device locations labeled in Chinese. To the left is a sidebar with links to different sections: Menu, App Store, Device Mgmt, Task Center, Data Center, and Account Center. On the right, there are several data summary boxes and filtering tools. The 'Data Abstract' box shows counts for OrganizationModel (2), Application (3), Resource (10), Task (8), Firmware (9), and Account (2). The 'Device SN Filtering' box has a 'SN' input field. The 'Additional Information' box has a 'Getting Started' link.

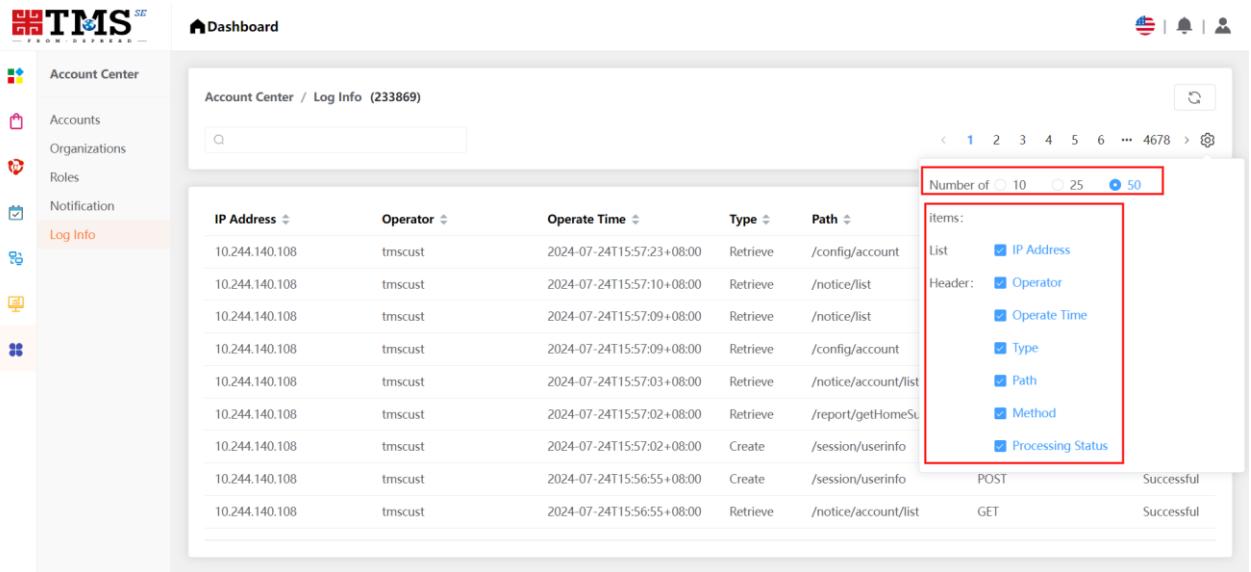
5.5 Log Management

- Click the 【Account Center】 -> 【Log Info】 button on the left menu bar to enter the log management page.



IP Address	Operator	Operate Time	Type	Path	Method	Processing S
10.244.140.108	tmscust	2024-07-24T15:57:23+08:00	Retrieve	/config/account	GET	Successful
10.244.140.108	tmscust	2024-07-24T15:57:10+08:00	Retrieve	/notice/list	GET	Successful
10.244.140.108	tmscust	2024-07-24T15:57:09+08:00	Retrieve	/notice/list	GET	Successful
10.244.140.108	tmscust	2024-07-24T15:57:09+08:00	Retrieve	/config/account	GET	Successful
10.244.140.108	tmscust	2024-07-24T15:57:03+08:00	Retrieve	/notice/account/list	GET	Successful
10.244.140.108	tmscust	2024-07-24T15:57:02+08:00	Retrieve	/report/getHomeSumDa...	GET	Successful
10.244.140.108	tmscust	2024-07-24T15:57:02+08:00	Create	/session/userinfo	POST	Successful
10.244.140.108	tmscust	2024-07-24T15:56:55+08:00	Create	/session/userinfo	POST	Successful
10.244.140.108	tmscust	2024-07-24T15:56:55+08:00	Retrieve	/notice/account/list	GET	Successful

2. Find the icon in the upper right corner of the page , and click it to change the number of data bars displayed in pagination; You can also modify the displayed list header.



Number of 10 25 50

items:	<input checked="" type="checkbox"/> IP Address
List:	<input checked="" type="checkbox"/> Operator
Header:	<input checked="" type="checkbox"/> Operate Time
	<input checked="" type="checkbox"/> Type
	<input checked="" type="checkbox"/> Path
	<input checked="" type="checkbox"/> Method
	<input checked="" type="checkbox"/> Processing Status

5.5.1 Log list

The screenshot shows the LarkTMS interface with the 'Log Info' section selected in the sidebar. The main area displays a table of log entries with columns: IP Address, Operator, Operate Time, Type, Path, Method, and Processing S. The logs listed are:

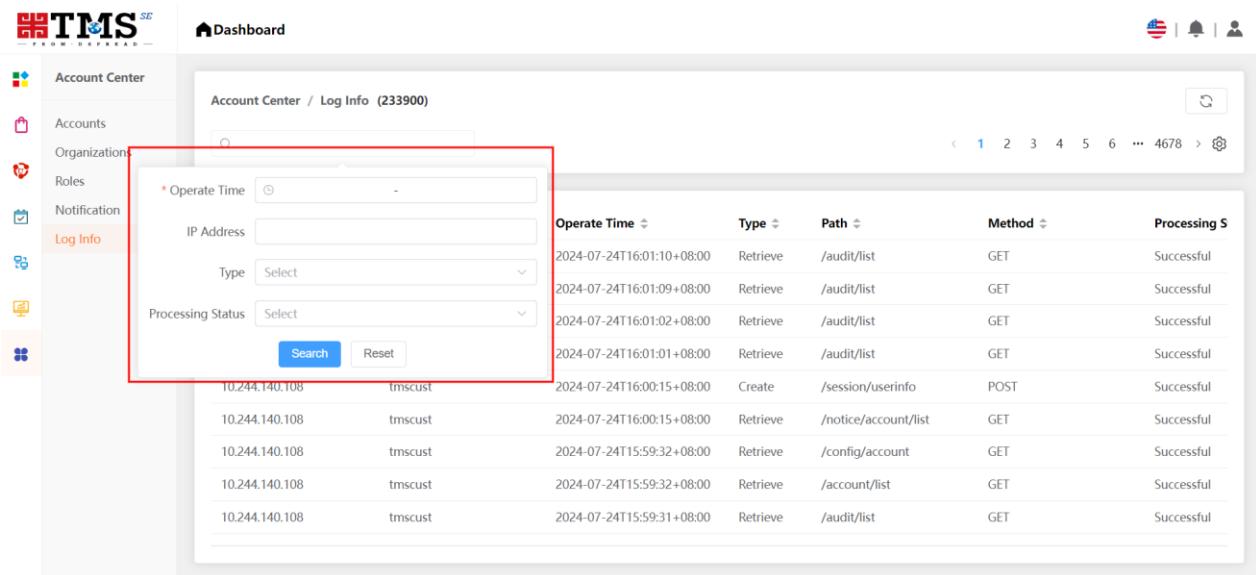
IP Address	Operator	Operate Time	Type	Path	Method	Processing S
10.244.140.108	tmscust	2024-07-24T16:01:10+08:00	Retrieve	/audit/list	GET	Successful
10.244.140.108	tmscust	2024-07-24T16:01:09+08:00	Retrieve	/audit/list	GET	Successful
10.244.140.108	tmscust	2024-07-24T16:01:02+08:00	Retrieve	/audit/list	GET	Successful
10.244.140.108	tmscust	2024-07-24T16:01:01+08:00	Retrieve	/audit/list	GET	Successful
10.244.140.108	tmscust	2024-07-24T16:00:15+08:00	Create	/session/userinfo	POST	Successful
10.244.140.108	tmscust	2024-07-24T16:00:15+08:00	Retrieve	/notice/account/list	GET	Successful
10.244.140.108	tmscust	2024-07-24T15:59:32+08:00	Retrieve	/config/account	GET	Successful
10.244.140.108	tmscust	2024-07-24T15:59:32+08:00	Retrieve	/account/list	GET	Successful
10.244.140.108	tmscust	2024-07-24T15:59:31+08:00	Retrieve	/audit/list	GET	Successful

- On the log management page, you can view the operation logs of the current organization and its sub-organizations on the system, including the IP address, operator, operation time, interface, and request method.

5.5.2 Query logs

The screenshot shows the LarkTMS interface with the 'Log Info' section selected in the sidebar. A red box highlights the search input field in the top-left corner of the main content area. The main area displays a table of log entries with columns: IP Address, Operator, Operate Time, Type, Path, Method, and Processing S. The logs listed are identical to the ones in the previous screenshot.

- Find the search box in the upper-left corner of the log management page and click it
- Select the required query field based on the keywords displayed in the search drop-down box, and enter or select it. You can select a single conditional query or a federated query with multiple criteria.



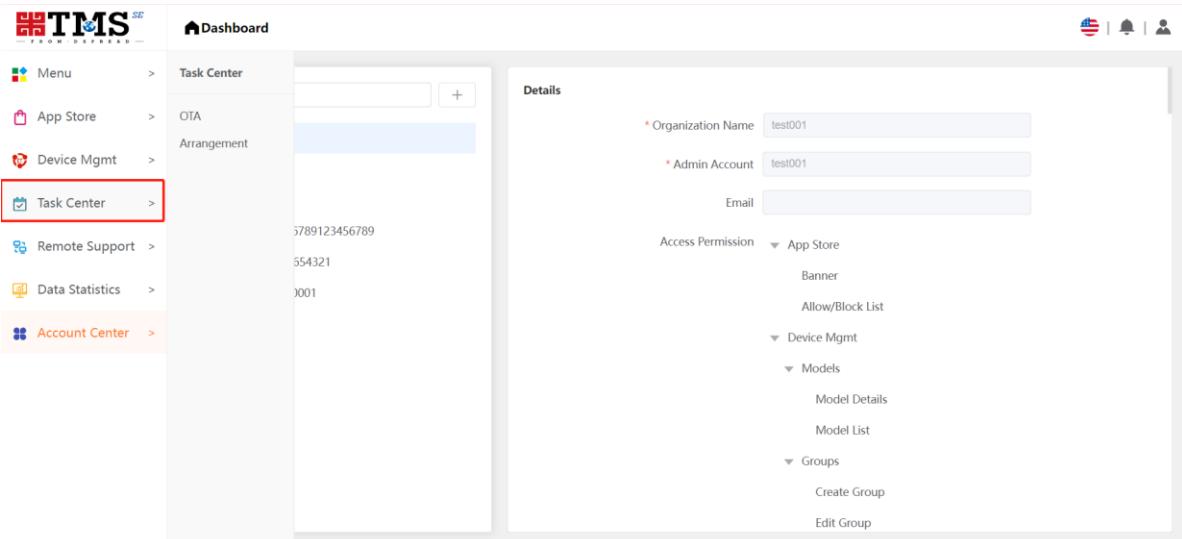
Operate Time: 2024-07-24T16:01:10+08:00 - 2024-07-24T16:01:09+08:00

Type: Select

Processing Status: Select

Operate Time	Type	Path	Method	Processing S
2024-07-24T16:01:10+08:00	Retrieve	/audit/list	GET	Successful
2024-07-24T16:01:09+08:00	Retrieve	/audit/list	GET	Successful
2024-07-24T16:01:02+08:00	Retrieve	/audit/list	GET	Successful
2024-07-24T16:01:01+08:00	Retrieve	/audit/list	GET	Successful
2024-07-24T16:00:15+08:00	Create	/session/userinfo	POST	Successful
2024-07-24T16:00:15+08:00	Retrieve	/notice/account/list	GET	Successful
2024-07-24T15:59:32+08:00	Retrieve	/config/account	GET	Successful
2024-07-24T15:59:32+08:00	Retrieve	/account/list	GET	Successful
2024-07-24T15:59:31+08:00	Retrieve	/audit/list	GET	Successful

6.Mission Center



Organization Name: test001

Admin Account: test001

Email:

Access Permission:

- App Store
- Banner
- Allow/Block List
- Device Mgmt
- Models
- Model Details
- Model List
- Groups
- Create Group
- Edit Group

Click the 【Task Center】 button on the left menu bar to enter the Task Center page.

6.1 Push Tasks

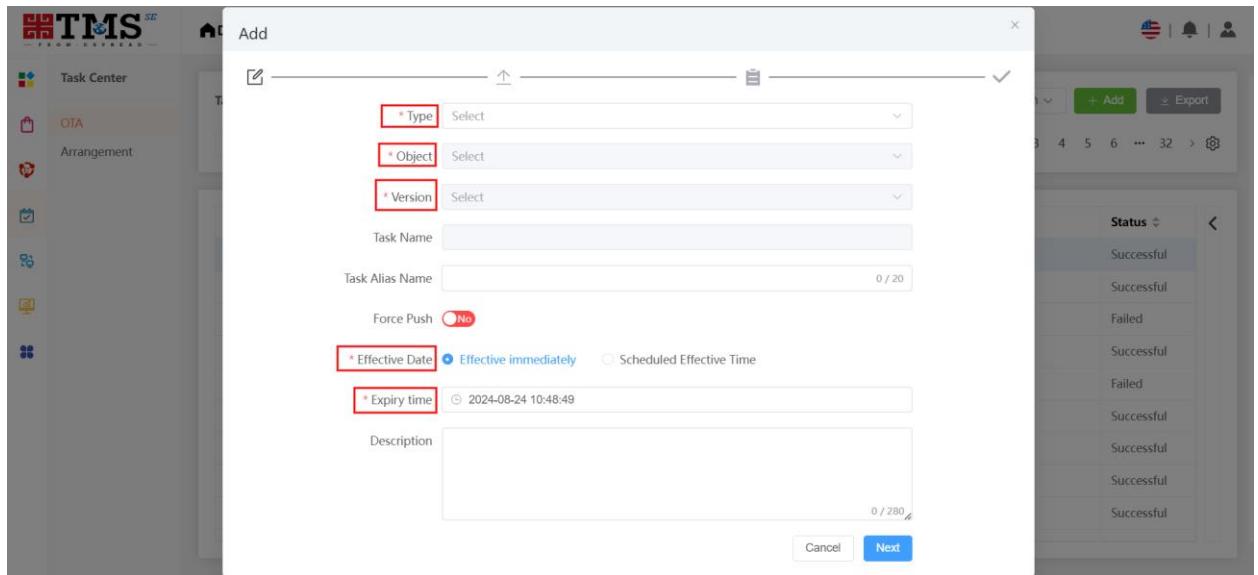
1.Click the 【Task Center】 -> 【OTA】 button on the left menu bar to enter the push task page.

The screenshot shows the LarkTMS interface with the 'Task Center' module selected. The 'OTA' tab is highlighted in red. The main area displays a table titled 'Task Center / OTA (1588)' with columns: Task ID, Task Batch Number, Type, Model, Object, Version, and Status. The status column shows 'Successful' or 'Failed' for each entry. Pagination controls at the bottom right allow for navigating through 32 pages.

2. Find the icon in the upper right corner of the page , and click it to change the number of data bars displayed in pagination; You can also modify the displayed list header.

This screenshot shows the same LarkTMS interface as the previous one, but with a dropdown menu open over the pagination controls. The dropdown is titled 'Number of' and includes options for 10, 25, and 50 items. Below this, there is a section titled 'Items:' with checkboxes for selecting different columns to display in the list. The 'Task ID' checkbox is checked. Other available options include 'List', 'Header', 'Task Name', 'Task Alias Name', 'Name of Arrangement', 'Type', 'Model', and 'Object'. The rest of the table and interface elements are visible.

6.1.1 Add a task (single).

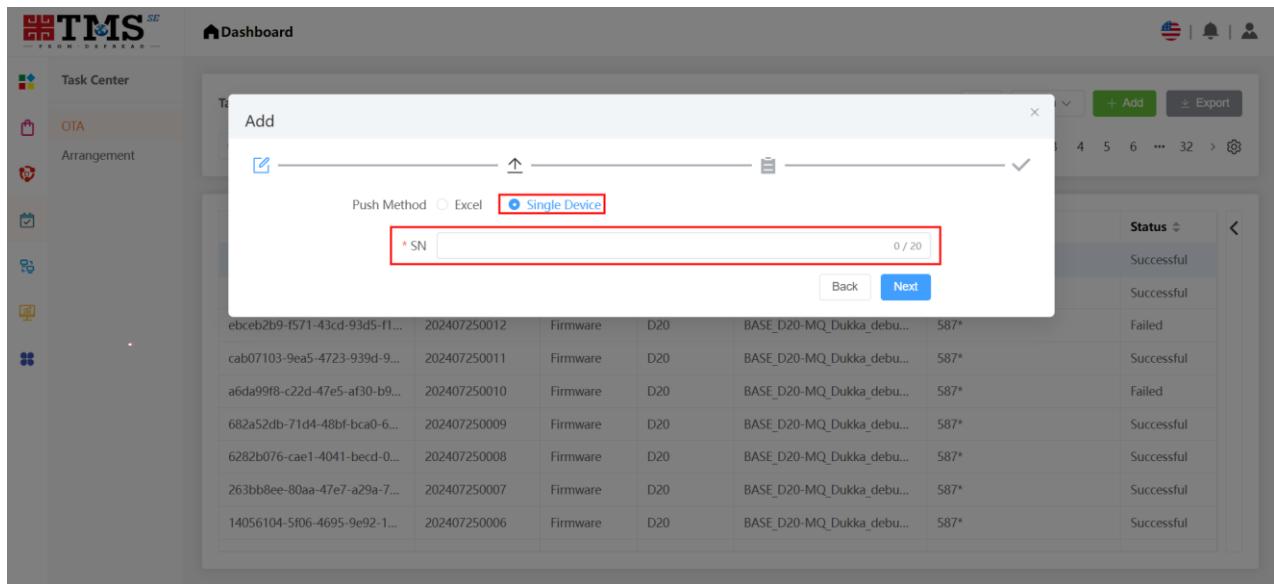


- Click the Add button at the top right of the interface to start adding a task, and you need to fill in the following relevant information in the pop-up window:

- Select the *task type (firmware, resource, application).
- Select the *Task object
- Select the *Task version
- The task name is displayed automatically
- Enter a task alias
- Select whether to force push (when turned on, it will force push to the device).
- Select *execution date (Immediate Execution, Scheduled Execution Date).
- Select the expiration date of the task (the expired task will not be pushed).

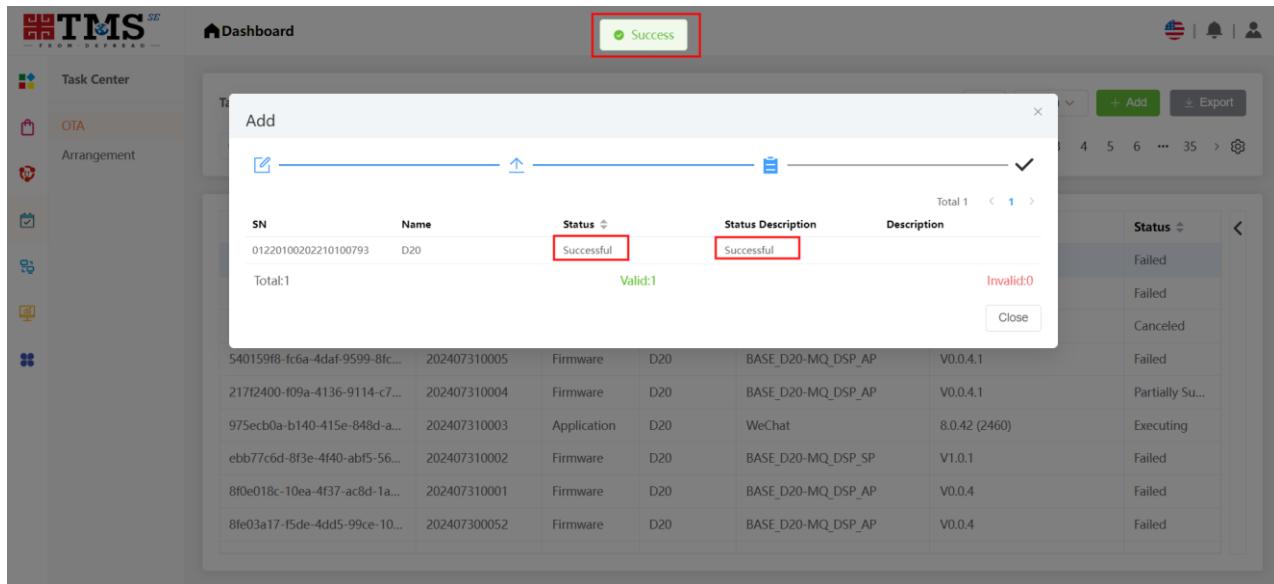
Note: Fields with * are required.

- After filling in all the information in the above fields, click "Next" to enter the next step.
- In the new window  Single Device, enter the SN number of the device you want to push, and click "Next" again.



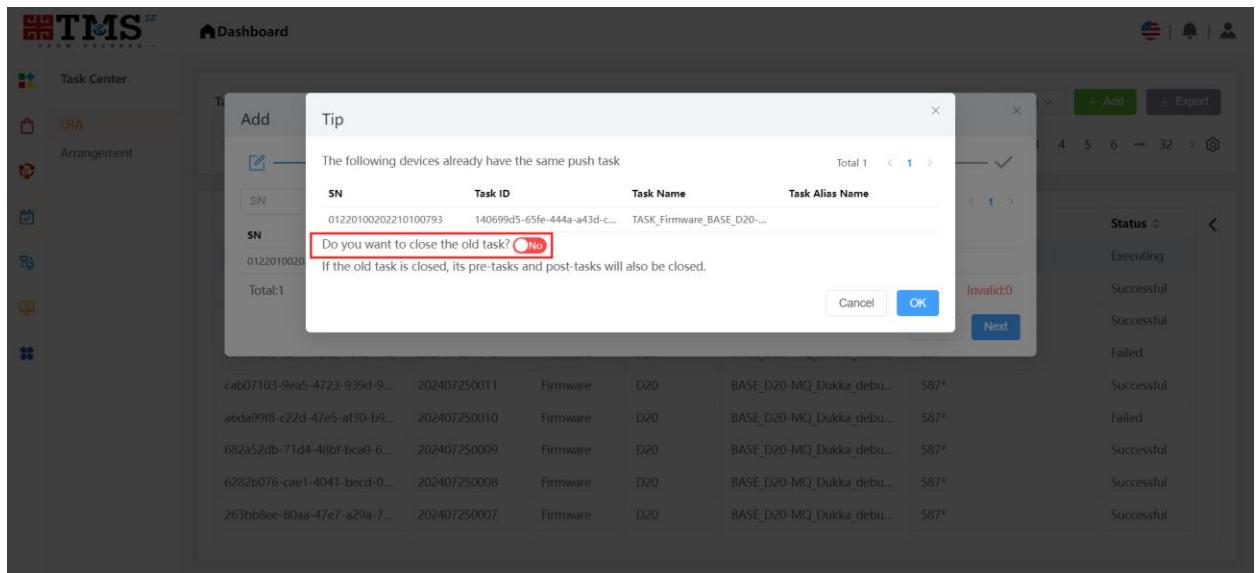
SN	Name	Type	Version	Description	Status
ebceb2b9-f571-43cd-93d5-f1...	202407250012	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*
cab07103-9ea5-4723-939d-9...	202407250011	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*
a6da99f8-c22d-47e5-af30-b9...	202407250010	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*
682a52db-71d4-48bf-bca0-6...	202407250009	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*
6282b076-cae1-4041-becd-0...	202407250008	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*
263bb8ee-80aa-47e7-a29a-7...	202407250007	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*
14056104-5f06-4695-9e92-1...	202407250006	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*

4. The system will perform verification, and the passed tasks and devices will display success; If it fails, fail will be displayed, as shown in the following figure:



SN	Name	Status	Status Description	Description	
01220100202210100793	D20	Successful	Successful		
540159f8-fc6a-4daf-9599-8fc...	202407310005	Firmware	D20	BASE_D20-MQ_DSP_AP	V0.0.4.1
217f2400-f09a-4136-9114-c7...	202407310004	Firmware	D20	BASE_D20-MQ_DSP_AP	V0.0.4.1
975ecb0a-b140-415e-848d-a...	202407310003	Application	D20	WeChat	8.0.42 (2460)
ebb77c6d-8f3e-4f40-abf5-56...	202407310002	Firmware	D20	BASE_D20-MQ_DSP_SP	V1.0.1
8f0e018c-10ea-4f37-ac8d-1a...	202407310001	Firmware	D20	BASE_D20-MQ_DSP_AP	V0.0.4
8fe03a17-f5de-4dd5-99ce-10...	202407300052	Firmware	D20	BASE_D20-MQ_DSP_AP	V0.0.4

5. **Note:** If the same task is repeatedly pushed to a device, "Device Task Conflict" will be displayed, and you can choose to click Close Old Duplicate Task to push the new task.



The screenshot shows the LarkTMS Task Center interface. A modal dialog titled "Tip" is displayed, asking if the user wants to close an old task. The dialog contains the following text:

The following devices already have the same push task.

SN	Task ID	Task Name	Task Alias Name
01220100202210100793	140699d5-65fe-444a-a43d-c...	TASK_Firmware_BASE_D20...	

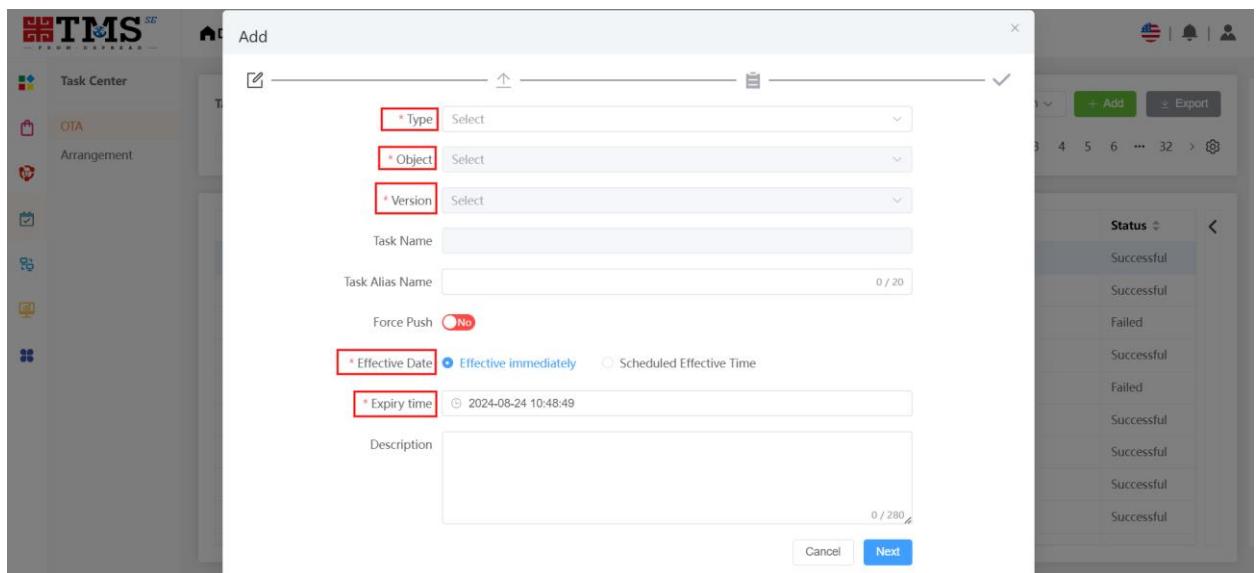
If the old task is closed, its pre-tasks and post-tasks will also be closed.

Buttons: Cancel, OK.

Below the dialog, a table lists tasks:

SN	Task ID	Task Name	Task Alias Name	Status		
01220100202210100793	140699d5-65fe-444a-a43d-c...	TASK_Firmware_BASE_D20...		Executing		
cab077103-9ea5-4723-939d-9...	202407250011	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Successful
a6da99f8-c22d-47e5-af30-b9...	202407250010	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Failed
682a52db-71d4-48bf-bca0-6...	202407250009	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Successful
6282b076-cac1-4041-beed-0...	202407250008	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Successful
263bb8ee-80aa-47e7-a29a-7...	202407250007	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Successful

6.1.2 New Tasks (Multiple)



The screenshot shows the LarkTMS Task Center interface with the "OTA" tab selected. A modal dialog titled "Add" is open, allowing the creation of a new task. The dialog fields include:

- * Type: Select
- * Object: Select
- * Version: Select
- Task Name: (empty input field)
- Task Alias Name: (empty input field) 0 / 20
- Force Push: No
- * Effective Date: Effective immediately Scheduled Effective Time
- * Expiry time: 2024-08-24 10:48:49
- Description: (empty input field) 0 / 280

Buttons: Cancel, Next.

- Click the Add button at the top right  of the interface to start adding a task, and you need to fill in the following relevant information in the pop-up window:
 - Select the *task type (firmware, resource, application).
 - Select the *Task object
 - Select the *Task version
 - The task name is displayed automatically
 - Enter a task alias
 - Select whether to force push (when turned on, it will force push to the device).
 - Select *execution date (Immediate Execution, Scheduled Execution Date).
 - Select the expiration date of the task (the expired task will not be pushed).
1. After filling in all the information in the above fields, click "Next" to enter the next step.

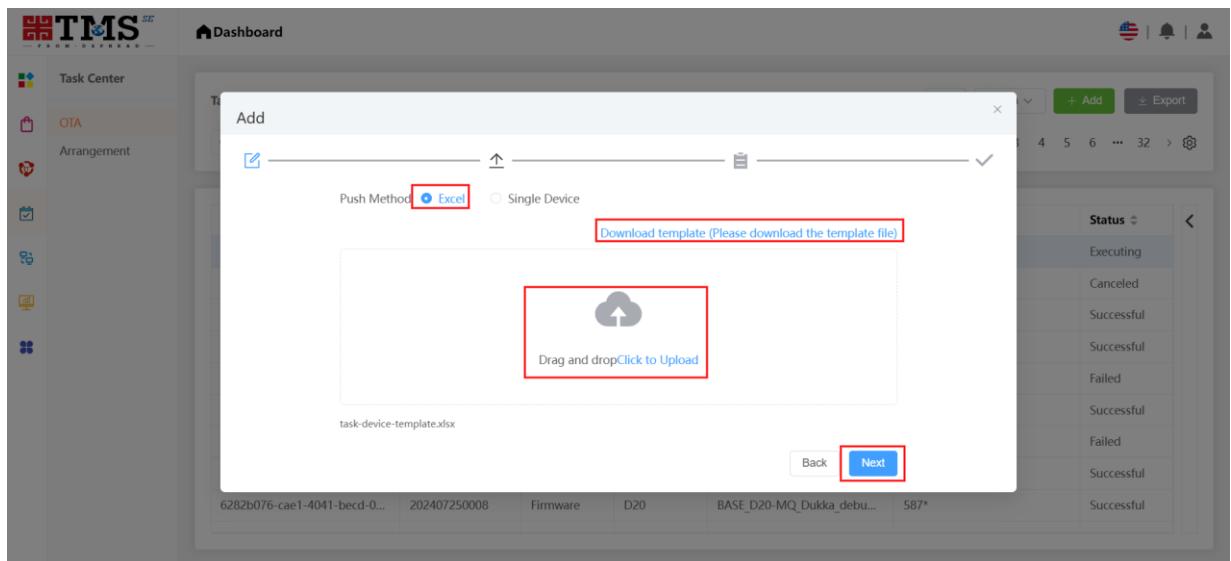
Select in the new window  Excel and click the "Template (please download the template file and use it)" button to download the template, the template is shown in the following figure:

	A	B	C
1	SN		
2			
3			
4			
5			
6			
7			
8			
9			
10			

2. Enter the imported *SN number (where the SN number is a 20-digit number) in the template.

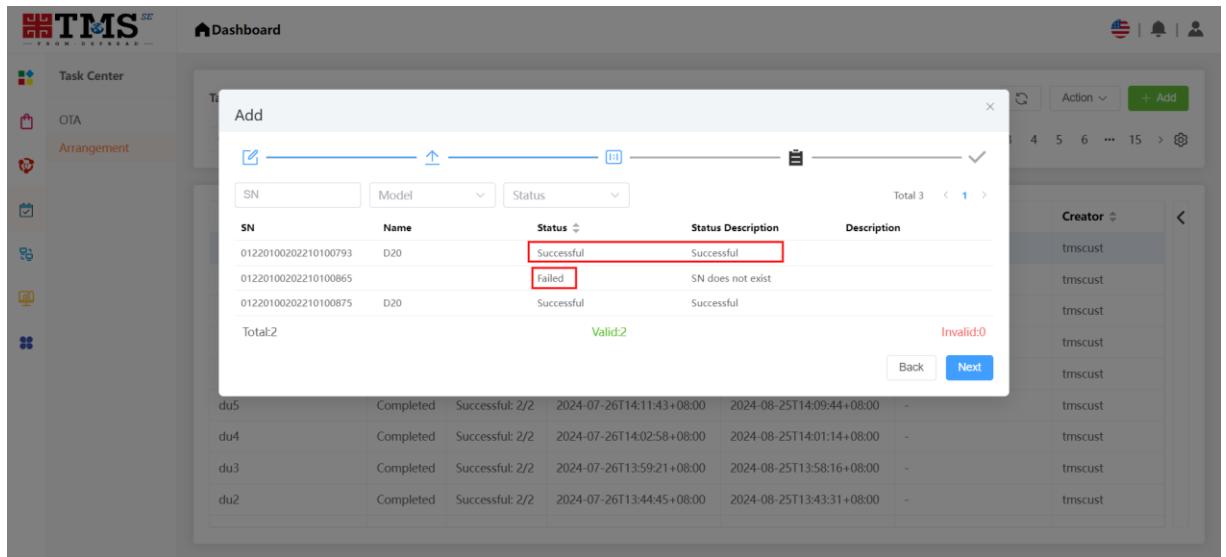


3. Go back to TMS, click "Drag Files Here Click Upload",  upload the completed form in Step 3, and click Next.



The screenshot shows the LarkTMS interface with the 'Task Center' sidebar. In the center, there's a modal dialog titled 'Add'. Inside the dialog, under 'Push Method', the 'Excel' option is selected. Below it, a link 'Download template (Please download the template file)' is highlighted with a red box. In the main area, there's a cloud upload icon with the text 'Drag and drop Click to Upload' underneath, also highlighted with a red box. At the bottom right of the dialog, a blue 'Next' button is highlighted with a red box. The background shows a list of tasks with various statuses like 'Executing', 'Canceled', 'Successful', and 'Failed'.

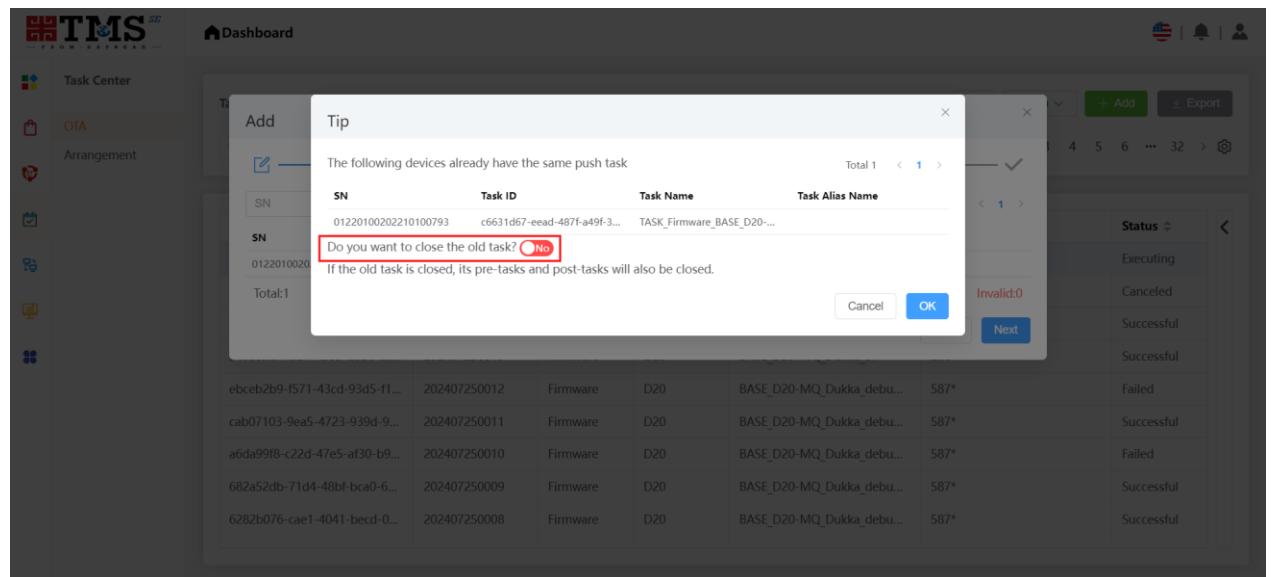
4. The system will perform verification, and the passed tasks and devices will display success; If it fails, fail will be displayed



The screenshot shows the LarkTMS Task Center interface. A modal dialog titled "Add" is open, prompting for task details. The "Status" field is highlighted with a red border. Below the dialog, a table lists several tasks, with one entry for device D20 having its status set to "Successful".

SN	Name	Status	Status Description	Description
01220100202210100793	D20	Successful	Successful	
01220100202210100865		Failed	SN does not exist	
01220100202210100875	D20	Successful	Successful	

5. **Note:** If the same task is repeatedly pushed to a device, "Device Task Conflict" will be displayed, and you can click Close the old duplicate task to push the new task.



The screenshot shows the LarkTMS Task Center interface. A modal dialog titled "Tip" appears, stating that the selected device already has a task named "TASK_Firmware_BASE_D20...". It asks if the user wants to close the old task. The "OK" button is highlighted with a red border.

SN	Task ID	Task Name	Task Alias Name
01220100202210100793	c6631d67-eaad-487f-a49f-3...	TASK_Firmware_BASE_D20...	

6.1.3 Cancel the task

The screenshot shows the LarkTMS Task Center interface. On the left is a sidebar with icons for Task Center, OTA, Arrangement, and other monitoring tools. The main area is titled 'Task Center / OTA (1590)'. It displays a table of tasks with columns: Task ID, Task Batch Number, Type, Model, Object, Version, and Status. One row in the table is highlighted with a red border. At the top right of the table, there is an 'Action' button with a dropdown menu. The 'Cancel Task' option in this menu is also highlighted with a red box.

Task ID	Task Batch Number	Type	Model	Object	Version	Status
c6631d67-eaad-487f-a49f-38...	202407250020	Firmware	D20	BASE_D20-MQ_DSP_AP	V0.0.4.1	Executing
140699d5-65fe-444a-a43d-c9...	202407250019	Firmware	D20	BASE_D20-MQ_DSP_AP	V0.0.4.1	Canceled
0db90367-41ac-4bea-a682-d...	202407250018	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Successful
343cc8f3-78d7-4585-aeb6-a8...	202407250013	Firmware	D20	BASE_D20-MQ_Dukka_SP	280*	Successful
ebceb2b9-f571-43cd-93d5-f1...	202407250012	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Failed
cab07103-9ea5-4723-939d-9...	202407250011	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Successful
a6da99f8-c22d-47e5-af30-b9...	202407250010	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Failed
682a52db-71d4-48bf-bca0-6...	202407250009	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Successful
6282b076-cae1-4041-becd-0...	202407250008	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Successful

- Note:** You can cancel a task only if it is in the Running or Pending state.
- Select the row of the task you want to cancel, click the Action button in the upper right corner of the page, and select Cancel Task in the drop-down list.
- Click Confirm in the pop-up window to cancel the task.

6.1.4 Delete the task

The screenshot shows the LarkTMS Task Center interface. The layout is similar to the previous one, with a sidebar on the left and a main table of tasks. In this version, the 'Delete' button in the 'Action' dropdown menu is highlighted with a red box. The table data is identical to the previous screenshot.

Task ID	Task Batch Number	Type	Model	Object	Version	Status
dd829454-4838-499a-bd71-8...	202407250028	Resource	D20	CERT_D20_WJY	V888.888.888	To be Exec...
d65644f3-8153-4350-acce-be...	202407250027	Firmware	D20	BASE_D20-MQ_DSP_AP	V0.0.4.1	Executing
038f12f2-e77c-431a-8eb2-ed...	202407250026	Application	D20	防疫测温	1.1.0 (12)	Failed
0803f69-cc04-4160-a961-0c...	202407250022	Application	D20	Via	4.4.7 (20230113)	Partially Su...
c6631d67-eaad-487f-a49f-38...	202407250020	Firmware	D20	BASE_D20-MQ_DSP_AP	V0.0.4.1	Executing
140699d5-65fe-444a-a43d-c9...	202407250019	Firmware	D20	BASE_D20-MQ_DSP_AP	V0.0.4.1	Canceled
0db90367-41ac-4bea-a682-d...	202407250018	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Successful
343cc8f3-78d7-4585-aeb6-a8...	202407250013	Firmware	D20	BASE_D20-MQ_Dukka_SP	280*	Successful
cab07103-9ea5-4723-939d-9...	202407250011	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Successful

- Note:** The prerequisite for deleting a task is that the task is not in the Running or Pending state.
- Select the row of tasks you want to delete, click Action in the upper right corner of the page, and select Delete from the drop-down list.
- Click OK in the pop-up window to delete the task.

6.1.5 Query tasks

The screenshot shows the Task Center interface for the OTA module. At the top, there's a navigation bar with icons for Task Center, OTA (which is selected), and Arrangement. Below the navigation is a search bar with a magnifying glass icon and a dropdown menu. To the right of the search bar are buttons for Action, Add, Export, and pagination (1-32). The main area displays a table of tasks with columns: Task ID, Task Batch Number, Type, Model, Object, Version, and Status. Each row contains a task entry with its details.

Task ID	Task Batch Number	Type	Model	Object	Version	Status
e5572da0-3814-49fb-a04d-f9...	202407250030	Firmware	D20	BASE_D20-MQ_Dukka_SP	280*	Successful
a961b7b0-ab42-42f9-a87e-1...	202407250029	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Failed
dd829454-4838-499a-bd71-8...	202407250028	Resource	D20	CERT_D20_WJY	V888.888.888	To be Execu...
d65644f3-8153-4350-acce-be...	202407250027	Firmware	D20	BASE_D20-MQ_DSP_AP	V0.0.4.1	Failed
038f12f2-e77c-431a-8eb2-ed...	202407250026	Application	D20	防疫测温	1.1.0 (12)	Failed
0803fe69-cc04-4f60-a961-0c...	202407250022	Application	D20	Via	4.4.7 (20230113)	Partially Su...
c6631d67-eead-487f-a49f-38...	202407250020	Firmware	D20	BASE_D20-MQ_DSP_AP	V0.0.4.1	Executing
140699d5-65fe-444a-a43d-c9...	202407250019	Firmware	D20	BASE_D20-MQ_DSP_AP	V0.0.4.1	Canceled
0db90367-41ac-4bea-a682-d...	202407250018	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Successful

- Find the search box in the upper left corner of the push task page and click it
- Based on the keywords displayed in the search drop-down list, select the keywords you want to query and enter or select them. You can select a single conditional query or a federated query with multiple criteria.

The screenshot shows the Task Center interface for the OTA module. On the left, there's a sidebar with icons for Task Center, OTA (selected), and Arrangement. The main area has a search bar with a magnifying glass icon and a dropdown menu. Below the search bar is a table of tasks. To the right, a detailed info panel is open for a specific task, showing fields like Task ID, Task Name, and Task Alias Name. The "Search" button is highlighted with a red box.

Task ID	Task Batch Number	Task Name	Task Alias Name	Name of Arrangement	Type
49f00262-19c7-4963-89...	202407310007	Firmware	D20	BASE_D20-MQ_DSP_AP	Select
a7cb39c6-4902-469c-8...	202407310006	Firmware	D20	BASE_D20-MQ_DSP_AP	Select

Task ID: 318fea8e-6cf6-4643-9ccf-9143166237b
Task Name: TASK_App_酷安_com.coolapk.market_14.2.5_2407091_202407310014
Name of Arrangement: D30M,D20
Model: D30M,D20
Version: Force Push

- Click "Search" to complete the search

6.1.6 Details

- Click the button on the right side of the page to display the task details from the right or

click the button at the bottom of the page to display the task details from the bottom.

Task ID	Task Batch Number	Type	Model	Object	Version	Status
3136af8e-0633-4c39-8ce3-e2...	202407250097	Firmware	D20	BASE_D20-MQ_Dukka_AP	20240723191459	Successful
eb8b6654-81c3-4b8a-bc2c-b...	202407250096	Firmware	D20	BASE_D20-MQ_Dukka_AP	20240723191459	Failed
2e7f5cbe-9ff7-440b-b339-3e...	202407250088	Firmware	D20	BASE_D20-MQ_Dukka_debu...	20240723191702	Successful
ad60996c-d29d-4dbe-b1e3-6...	202407250084	Firmware	D20	BASE_D20-MQ_Dukka_AP	20240723191459	Successful
9db6a8ac-f866-46e8-ac54-3d...	202407250083	Firmware	D20	BASE_D20-MQ_Dukka_AP	20240723191459	Failed
f8ffcc51-a0e4-49ab-90df-9c7...	202407250082	Firmware	D20	BASE_D20-MQ_Dukka_AP	20240723191459	Failed
79e949e6-a123-4895-a3e2-1...	202407250079	Firmware	D20	BASE_D20-MQ_Dukka_debu...	20240723191702	Successful
6fcf18a8-2d1a-4e4c-88cb-a4...	202407250074	Firmware	D20	BASE_D20-MQ_Dukka_debu...	20240723191702	Failed
2a13b863-9635-45fc-bfdb-e9...	202407250071	Application	D20	Dukka	1.8 (113)	Successful

2. After clicking, you can view information such as "Details" and "Device List".

3. You can use the button in the details to move the details to the bottom, and you can use the buttons at the bottom of the page to expand the details.

Detail Info Panel Location
Select the default location for the details.

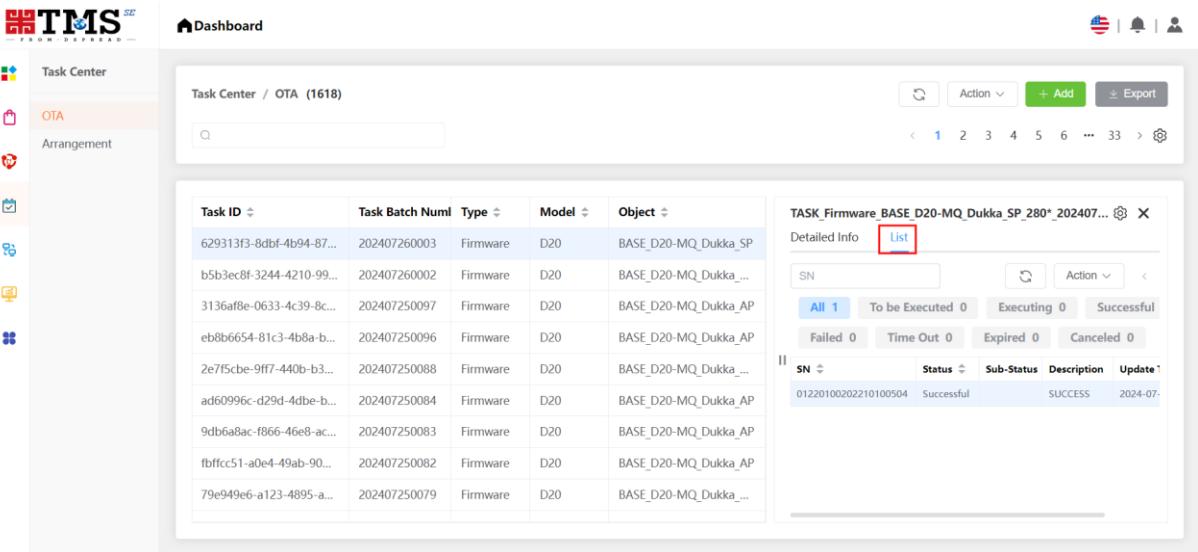
 Bottom Right

Task Name
Task Alias Name

Name of Arrangement	Type
-	<input type="checkbox"/> Firmware
Model	<input type="checkbox"/> Object
D20	<input type="checkbox"/> Version

6.1.7 Device List

Find the button at the top left of the task details window . Click on it to enter the device list page.

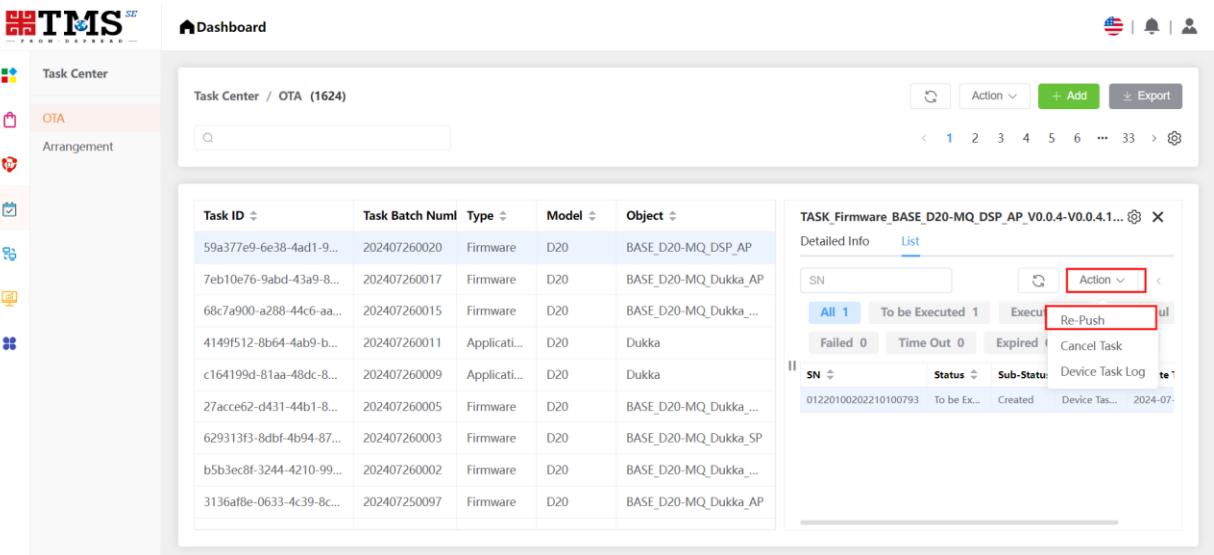


The screenshot shows the LarkTMS Task Center interface. On the left, there's a sidebar with icons for Task Center, OTA (which is selected), and Arrangement. The main area is titled 'Task Center / OTA (1618)' and contains a table with columns: Task ID, Task Batch Num, Type, Model, and Object. The table lists several tasks, mostly Firmware type, for Model D20. To the right of the table is a 'Detailed Info' panel with tabs for 'List' (highlighted with a red box) and 'Task'. The 'List' tab shows a table with columns: SN, Status, Sub-Status, Description, and Update. One row is visible: 01220100202210100504, Successful, SUCCESS, 2024-07-

6.1.7.1 Repush

1. **Note:** The premise of re-pushing is that the task fails to push.

2. Select the task to be re-pushed, click Action at the top of the List page, and select Re-Push from the drop-down list



This screenshot shows the LarkTMS Task Center interface with the OTA (1624) list page. The sidebar and table structure are similar to the previous screenshot. The 'Detailed Info' panel on the right has an 'Action' dropdown menu open, with a red box highlighting the 'Re-Push' option. The table in the 'List' tab shows various task details, including their status and sub-status.

6.1.7.2 Cancel the task

1. **Note:** You can cancel a task only if it is in the Running or Pending state.

2. Select the task to be canceled, click the Action button at the top of the List page, and click Confirm in the pop-up window in the drop-down box to cancel the task.

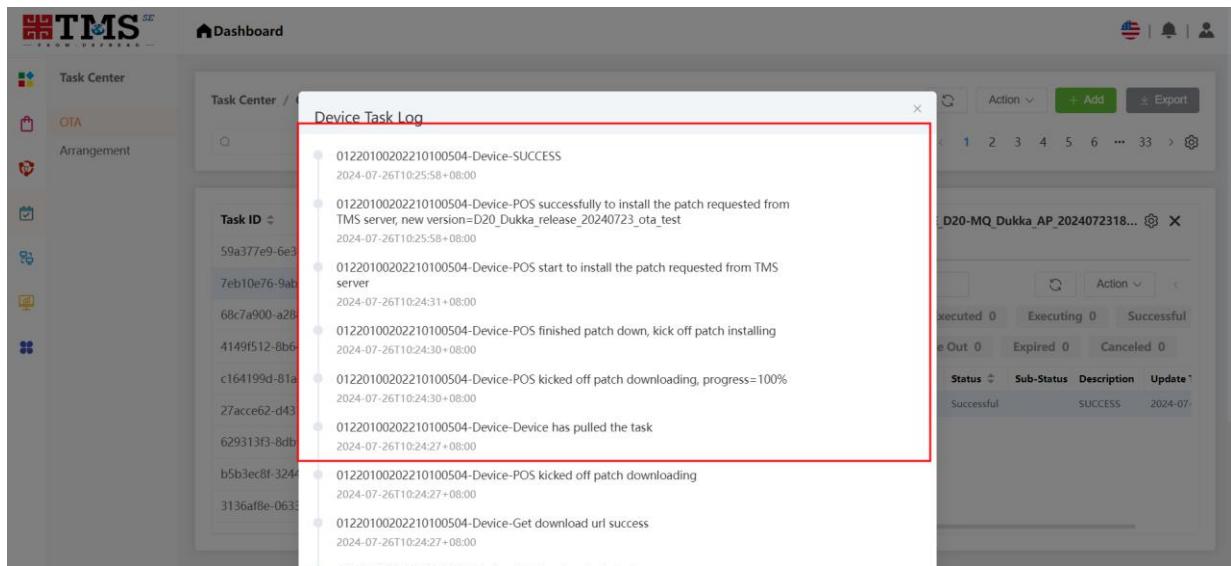
The screenshot shows the LarkTMS interface with the 'Task Center' and 'OTA' tabs selected. The main table lists various tasks with columns for Task ID, Task Batch Num, Type, Model, and Object. On the right, a detailed info card for a specific task is expanded. The 'Action' dropdown menu is open, and the 'Device Task Log' option is highlighted with a red box.

6.1.7.3 Device task logs

1. First, select the devices for which you want to view logs
2. Find the "Action" button in the upper right corner of the device list page, click it and select "Device Task Log" in the drop-down box to view the task log of the device.

The screenshot shows the LarkTMS interface with the 'Task Center' and 'OTA' tabs selected. The main table lists various tasks with columns for Task ID, Task Batch Num, Type, Model, and Object. On the right, a detailed info card for a specific task is expanded. The 'Action' dropdown menu is open, and the 'Device Task Log' option is highlighted with a red box.

3. In the device log, you can view the status of the current task on the device, such as the download progress, whether the push is successful, and error messages.

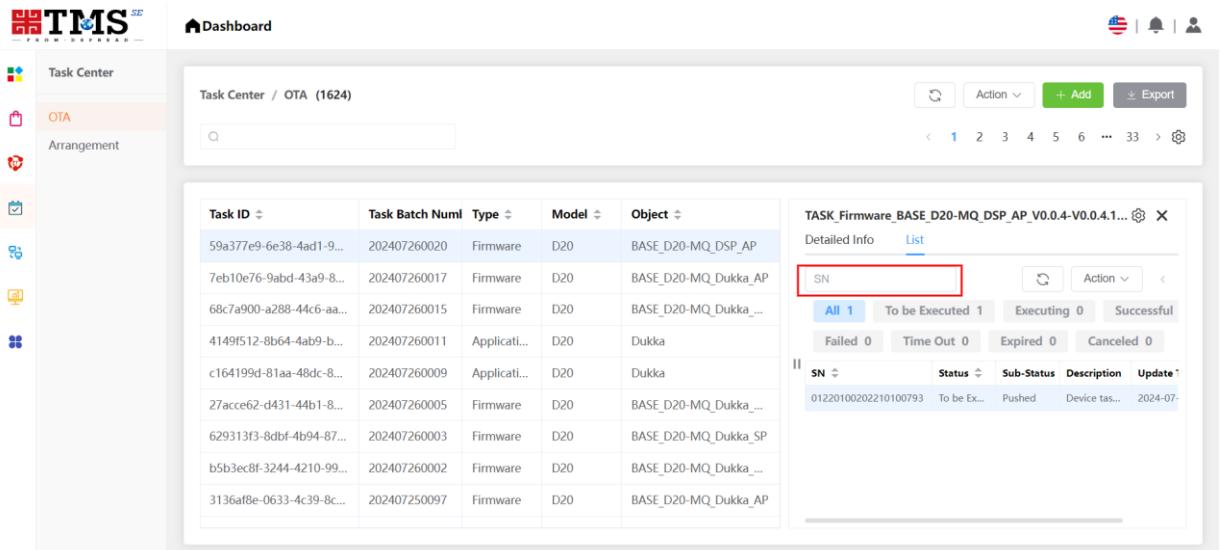


The screenshot shows the LarkTMS interface with the 'OTA' tab selected. A modal window titled 'Device Task Log' is open, displaying a list of log entries for a specific device. One entry is highlighted with a red box:

- 01220100202210100504-Device-SUCCESS
2024-07-26T10:25:58+08:00
- 01220100202210100504-Device-POS successfully to install the patch requested from TMS server, new version=D20_Dukka_release_20240723_ota_test
2024-07-26T10:25:58+08:00
- 01220100202210100504-Device-POS start to install the patch requested from TMS server
2024-07-26T10:24:31+08:00
- 01220100202210100504-Device-POS finished patch down, kick off patch installing
2024-07-26T10:24:30+08:00
- 01220100202210100504-Device-POS kicked off patch downloading, progress=100%
2024-07-26T10:24:30+08:00
- 01220100202210100504-Device-Device has pulled the task
2024-07-26T10:24:27+08:00
- 01220100202210100504-Device-POS kicked off patch downloading
2024-07-26T10:24:27+08:00
- 01220100202210100504-Device-Get download url success
2024-07-26T10:24:27+08:00

6.1.7.4 Search for device tasks

- 1.In the upper left corner of the device list page, find the SN number (**device number**) search box
- 2.Enter the SN number to be queried in the search box and press Enter to search.



The screenshot shows the LarkTMS interface with the 'OTA' tab selected. A search bar labeled 'SN' is highlighted with a red box. To the right, a detailed info panel is open, showing a table with one row of data:

SN	Status	Sub-Status	Description	Update
01220100202210100793	To be Executed	Pushed	Device tas...	2024-07-

3. You can also query the task status according to the device task information above, click the status you want to query, and you can query the corresponding status of the device.

Task ID	Task Batch Num	Type	Model	Object
59a377e9-6e38-4ad1-9...	202407260020	Firmware	D20	BASE_D20-MQ_DSP_AP
7eb10e76-9abd-43a9-8...	202407260017	Firmware	D20	BASE_D20-MQ_Dukka_AP
68c7a900-a288-44c6-aa...	202407260015	Firmware	D20	BASE_D20-MQ_Dukka_...
4149f512-8b64-4ab9-b...	202407260011	Applicati...	D20	Dukka
c164199d-81aa-48dc-8...	202407260009	Applicati...	D20	Dukka
27acce62-d431-44b1-8...	202407260005	Firmware	D20	BASE_D20-MQ_Dukka_...
629313f3-8dbf-4b94-87...	202407260003	Firmware	D20	BASE_D20-MQ_Dukka_SP
b5b3ec8f-3244-4210-99...	202407260002	Firmware	D20	BASE_D20-MQ_Dukka_...
3136af8e-0633-4c39-8c...	202407250097	Firmware	D20	BASE_D20-MQ_Dukka_AP

6.1.8 Export Tasks

Find the "Export" button in the upper right corner of the page, and click it to export all the task data displayed in the current search results to an Excel table.

Task ID	Task Batch Number	Type	Model	Object	Version	Status
dd829454-4838-499a-bd71-8...	202407250028	Resource	D20	CERT_D20_WIY	V888.888.888	To be Execu...
d6564f43-8153-4350-acce-be...	202407250027	Firmware	D20	BASE_D20-MQ_DSP_AP	V0.0.4.1	Failed
038f12f-e77c-431a-8eb2-ed...	202407250026	Application	D20	防疫测温	1.1.0 (12)	Failed
0803fe69-cc04-4f60-a961-0c...	202407250022	Application	D20	Via	4.4.7 (20230113)	Partially Su...
c6631d67-eead-487f-a49f-38...	202407250020	Firmware	D20	BASE_D20-MQ_DSP_AP	V0.0.4.1	Executing
140699d5-65fe-444a-a43d-c9...	202407250019	Firmware	D20	BASE_D20-MQ_DSP_AP	V0.0.4.1	Canceled
0db90367-41ac-4bea-a682-d...	202407250018	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Successful
343cc8f3-78d7-4585-aeb6-a8...	202407250013	Firmware	D20	BASE_D20-MQ_Dukka_SP	280*	Successful
cab07103-9eas-4723-939d-9...	202407250011	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Successful

6.2 Orchestrate tasks

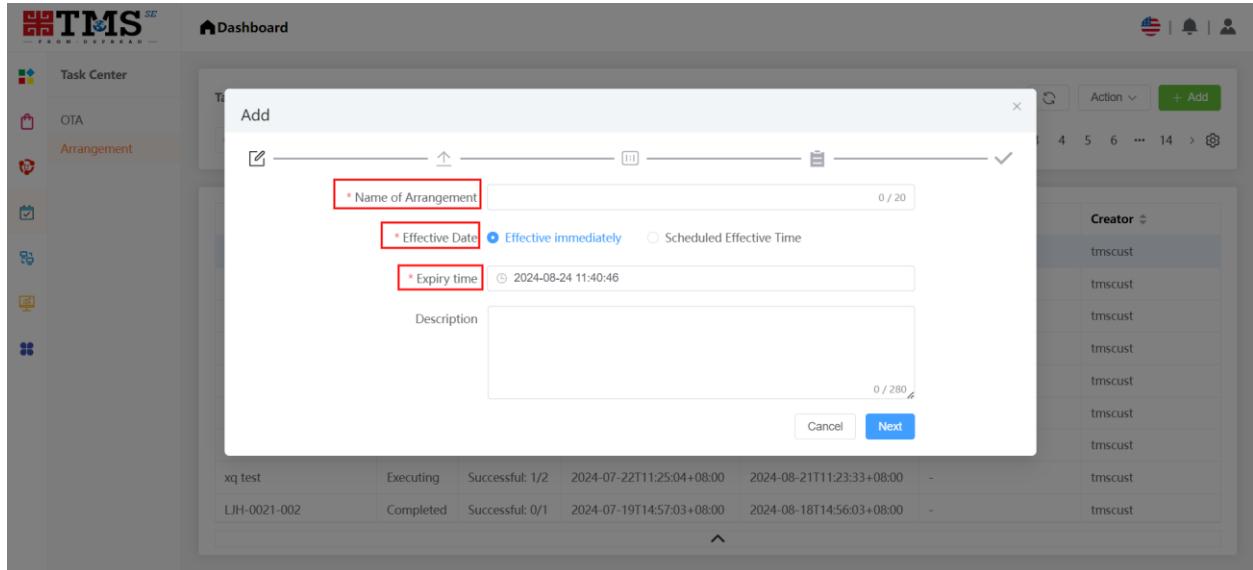
1. Click the 【Task Center】 -> 【Arrangement】 button on the left menu bar to enter the task scheduling page.

The screenshot shows the LarkTMS Task Center Arrangement page. The sidebar on the left has tabs for Task Center, OTA, and Arrangement, with Arrangement being the active tab. The main area displays a table titled "Task Center / Arrangement (133)". The table columns are: Name of Arrangement, Status, Push Result, Effective Date, Expiry time, Description, and Creator. The table lists various arrangement entries with their details. At the top right of the table area, there are pagination controls (1-14) and a gear icon for settings.

2. Find the icon in the upper right corner of the page , and click it to change the number of data bars displayed in pagination; You can also modify the displayed list header.

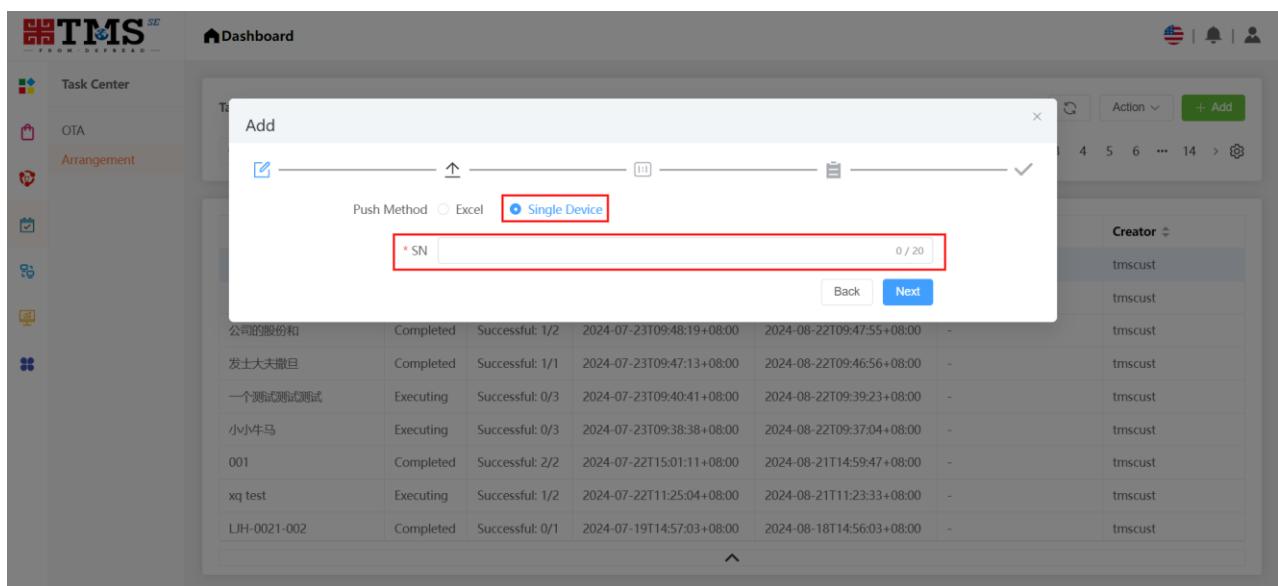
The screenshot shows the same Task Center Arrangement page as above, but with a red box highlighting the gear icon in the top right corner of the table header. A dropdown menu has been opened from this icon, containing options for changing the number of items per page (10, 25, 50) and for modifying the displayed list header. The list header configuration panel is shown on the right, with checkboxes for selecting columns: Name of Arrangement, Status, Push Result, Effective Date, Expiry time, Description, and Creator. The "Name of Arrangement" checkbox is checked by default.

6.2.1 New Orchestration Task (Single)



- Click the Add button at the top right of the interface to start adding an orchestration task, and you need to fill in the following information in the pop-up window:
 - Enter * to rank the title
 - Select *execution date (**Immediate Execution, Scheduled Execution Date**).
 - Select the expiration date of the task (**the expired task will not be pushed**).

Note: Fields with * are required.
- After filling in all the information in the above fields, click "Next" to enter the next step.
- In the new window **Single Device**, enter the SN number of the device you want to push, and click "Next" again.

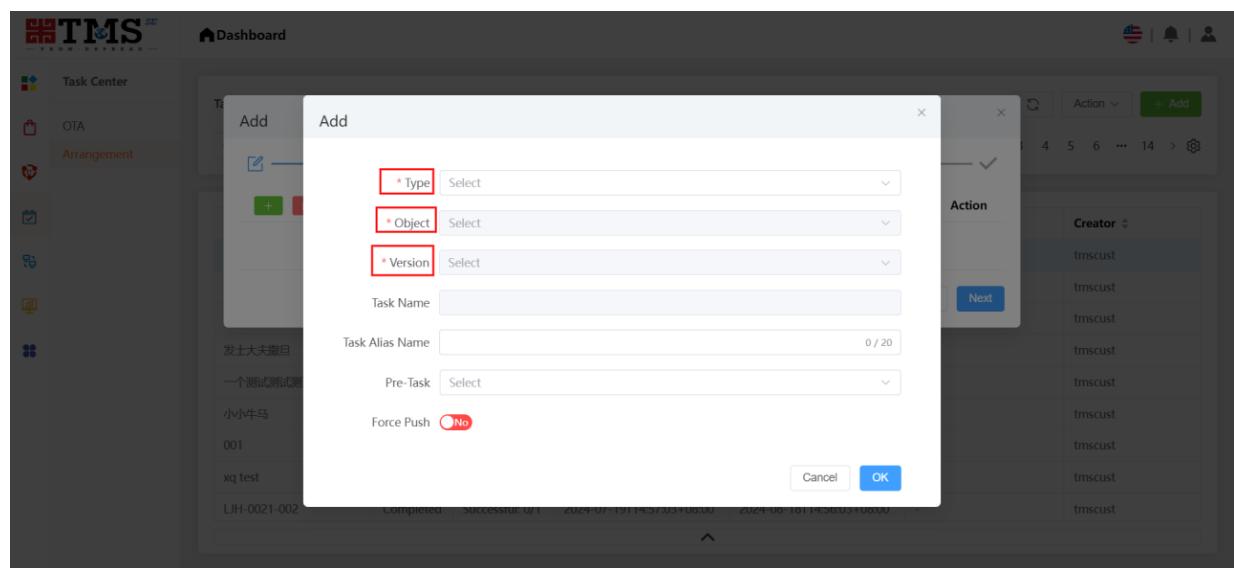


- Click the button in the upper left corner of the new pop-up window +, and the window of clause 117page

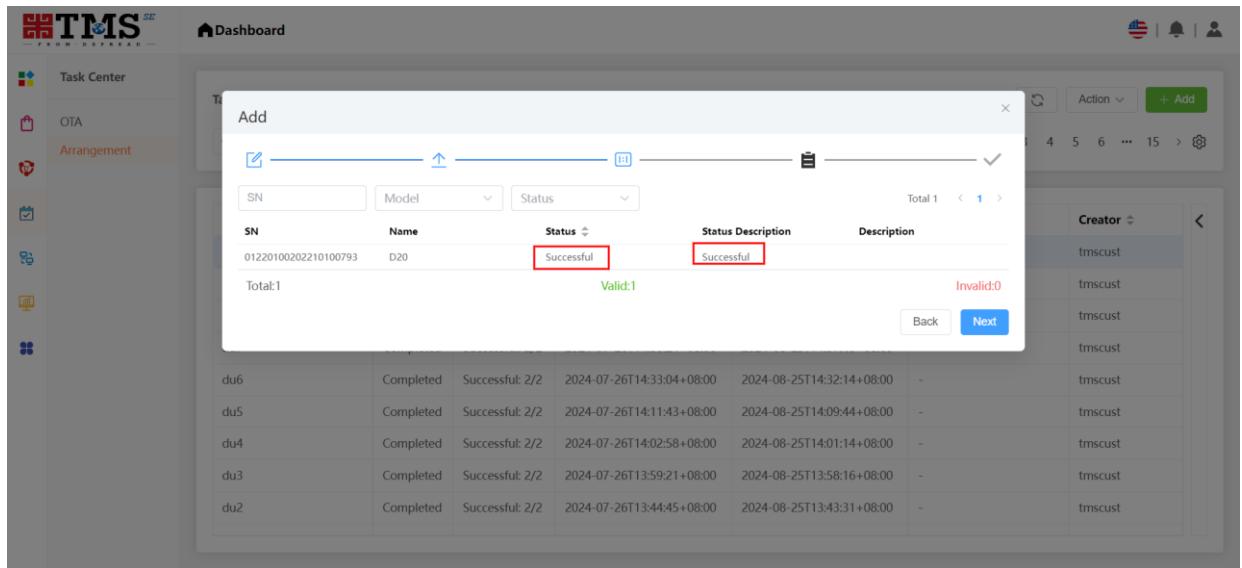
the new task will pop up, and in the window of the new task, you need to fill in the following relevant information:

- Select the *task type (**firmware, resource, application**).
- Select the *Task object
- Select the *Task version
- The task name is displayed automatically
- Enter a task alias
- Add a predecessor task (**except for the first task, you need to add a predecessor task for all other tasks, which means that the task will be executed after the predecessor task ends**).
- Select whether to force push (**when turned on, it will force push to the device**).

Note: Fields with * are required.

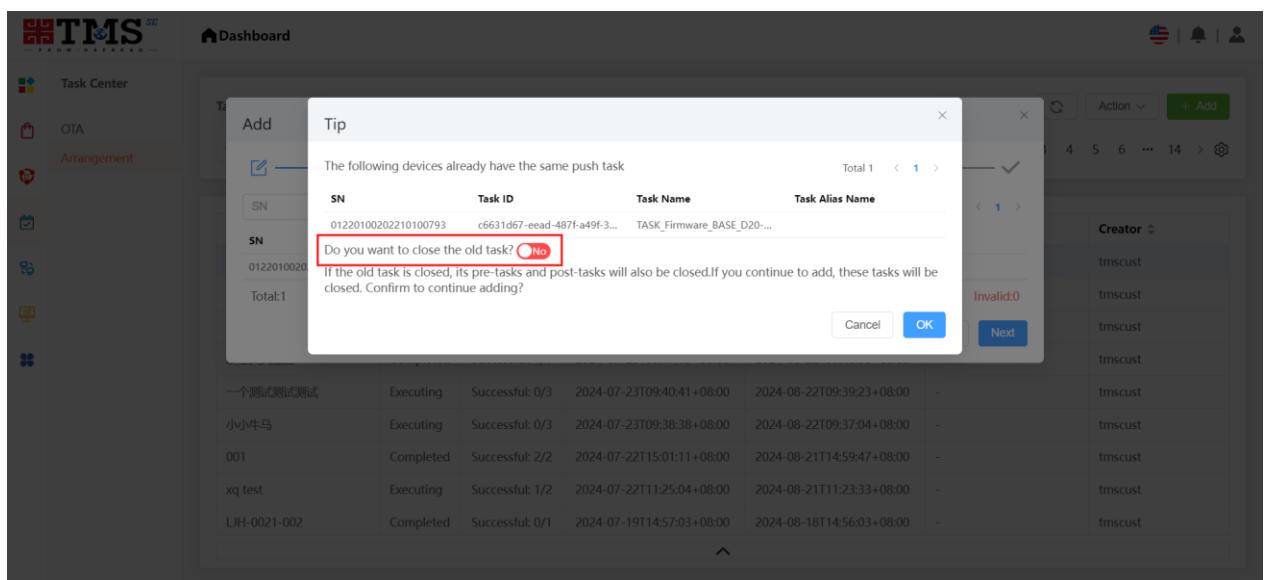


5. Only a maximum of 5 tasks can be orchestrated, and after the orchestration is completed, click "Next" to verify whether the device number is entered correctly and whether the orchestration task is reasonable.



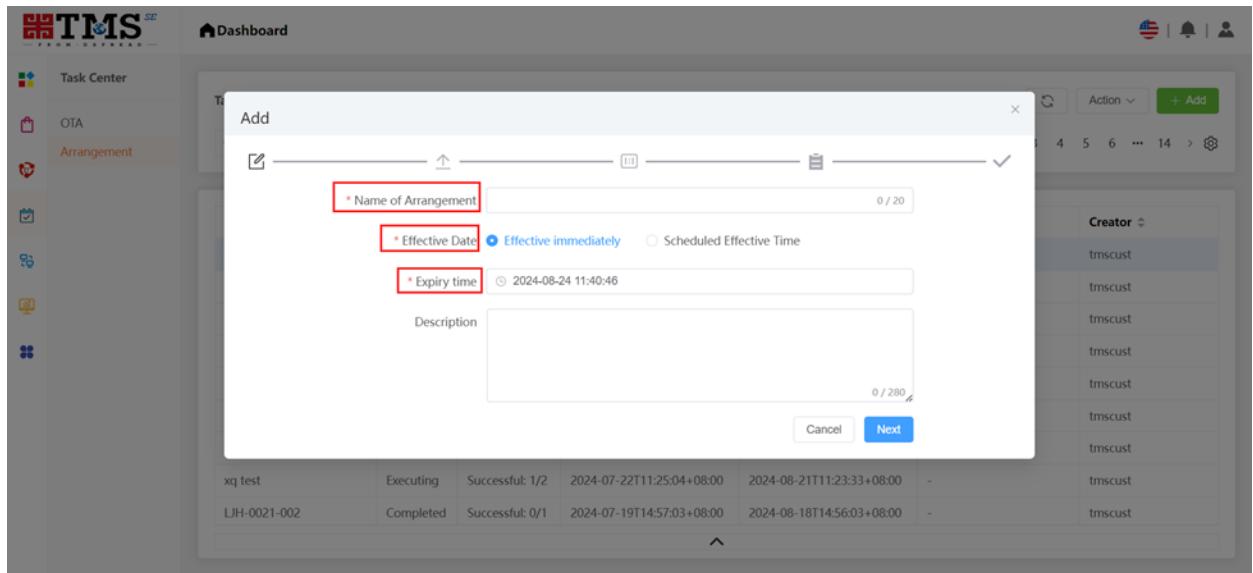
The screenshot shows the LarkTMS Task Center interface. A modal dialog titled "Add" is open, prompting for task details. The "SN" field contains "01220100202210100793", "Name" is "D20", and "Status" is set to "Successful". The "Status Description" and "Description" fields are also visible. Below the dialog, a table lists several tasks with columns for SN, Name, Status, and various timestamps. The status column for most tasks is "Completed".

- If the same task is repeatedly pushed to a device, the message "Device Task Conflict" will be displayed , and you can click Close the old duplicate task to push the new task.



The screenshot shows the LarkTMS Task Center interface. A modal dialog titled "Tip" appears, stating "The following devices already have the same push task". It lists a task with SN "01220100202210100793" and Task ID "c6631d67-eaad-487f-a49f-...". A question asks if the user wants to close the old task, with "No" selected. Below the dialog, a table lists multiple tasks, some in "Executing" state and others "Completed".

6.2.2 New Orchestration Tasks (Multiple Units)



- Click the **+ Add** button at the top right of the interface to start adding an orchestration task, and you need to fill in the following information in the pop-up window:
 - Enter ***** to rank the title
 - Select ***execution date (Immediate Execution, Scheduled Execution Date)**.
 - Select the expiration date of the task **(the expired task will not be pushed)**.

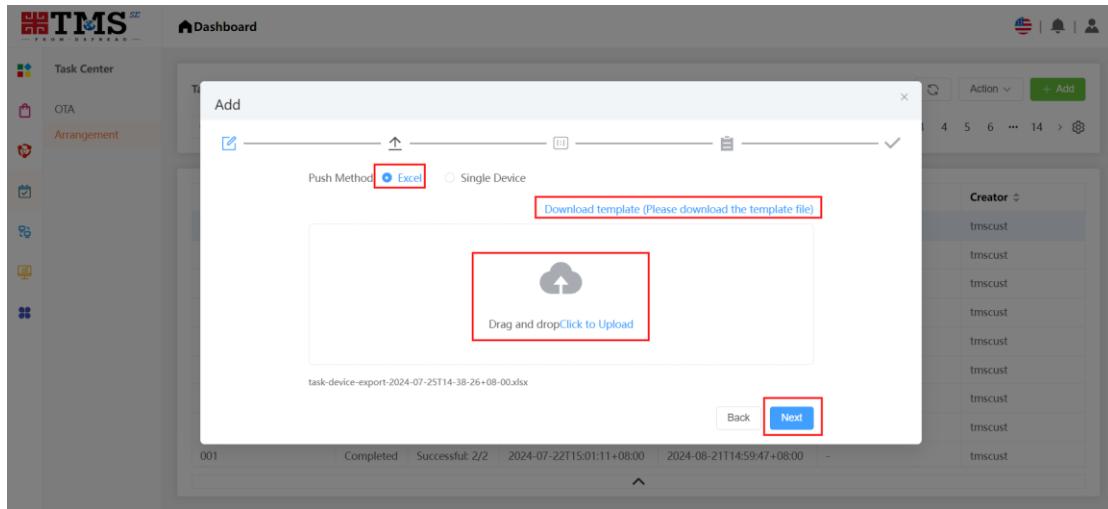
Note: Fields with ***** are required.
- After filling in all the information in the above fields, click "Next" to enter the next step.
- In the new window  [Excel](#), select and click the "[Template \(please download the template file and use it\)](#)" button to download the template, the template is shown in the following figure:

	A	B	C
1	SN		
2			
3			
4			
5			
6			
7			
8			
9			
10			

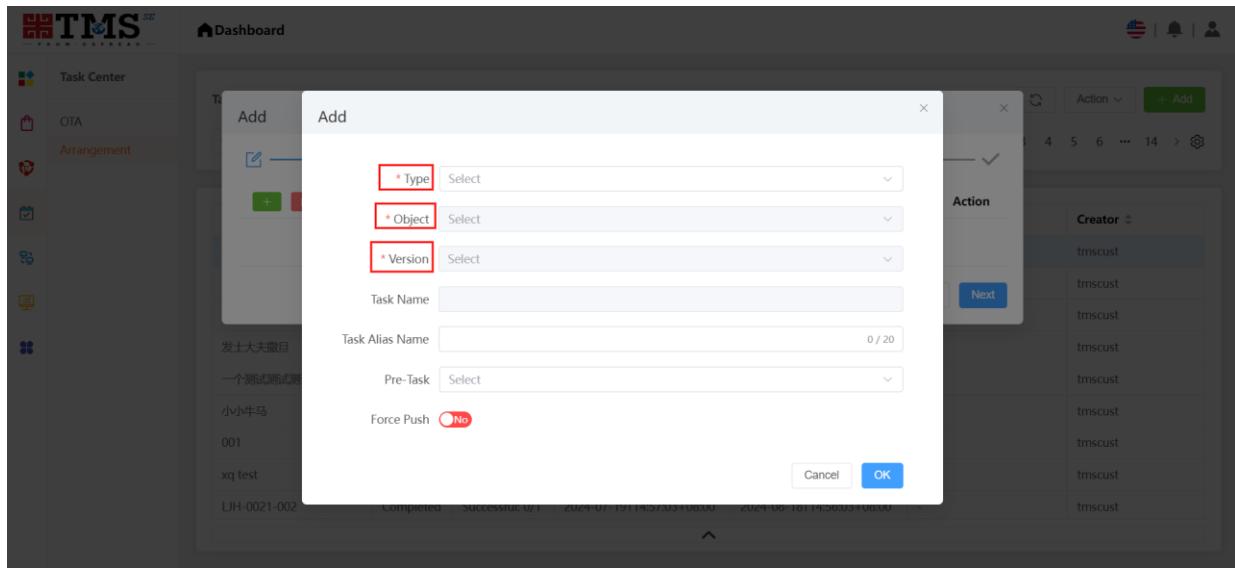
- Enter the imported ***SN number (where the SN number is a 20-digit number)** in the template.



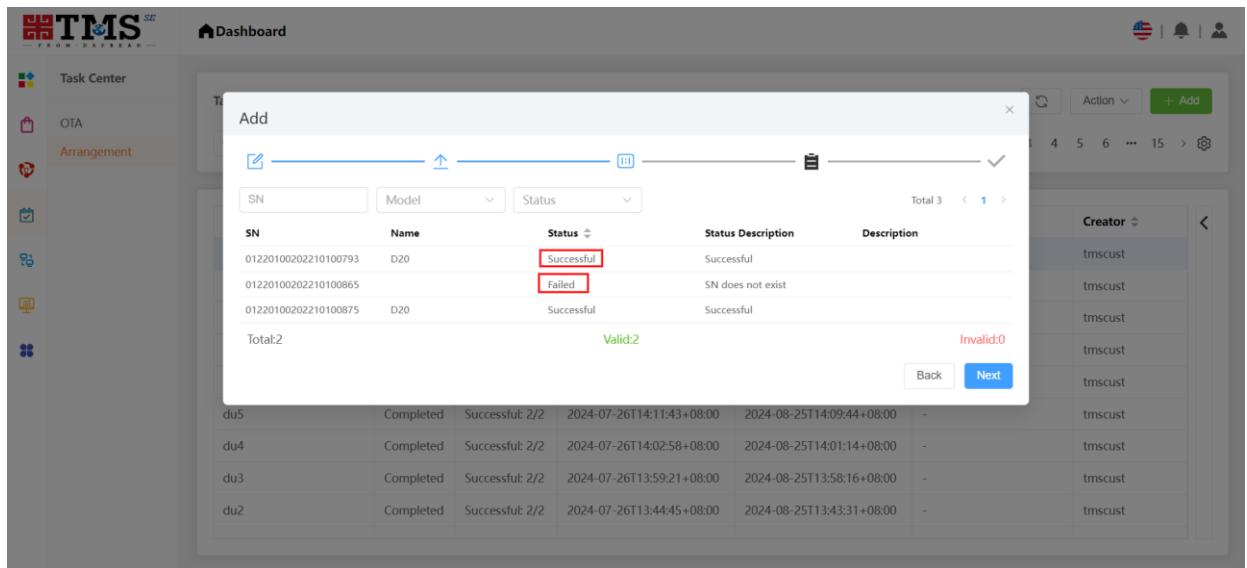
5. Go back to the TMS system, click on "Drag Files Here Click Upload", upload the completed form in step 4, and click Next.



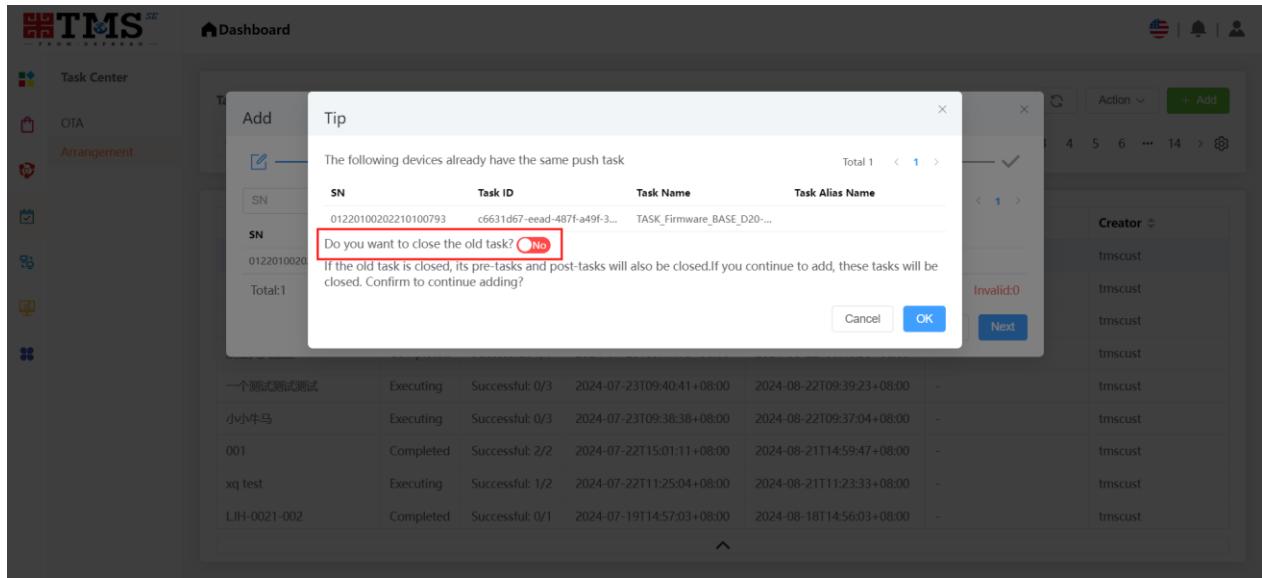
6. Click the button in the upper left corner of the new pop-up window , and the window of the new task will pop up, and in the window of the new task, you need to fill in the following relevant information:
- Select the *task type (firmware, resource, application).
 - Select the *Task object
 - Select the *Task version
 - The task name is displayed automatically
 - Enter a task alias
 - Add a predecessor task (except for the first task, you need to add a predecessor task for all other tasks, which means that the task will be executed after the predecessor task ends).
 - Select whether to force push (when turned on, it will force push to the device).
- Note:** Fields with * are required.



7. Only a maximum of 5 tasks can be orchestrated, and after the orchestration is completed, click "Next" to verify whether the device number is entered correctly and whether the orchestration task is reasonable.

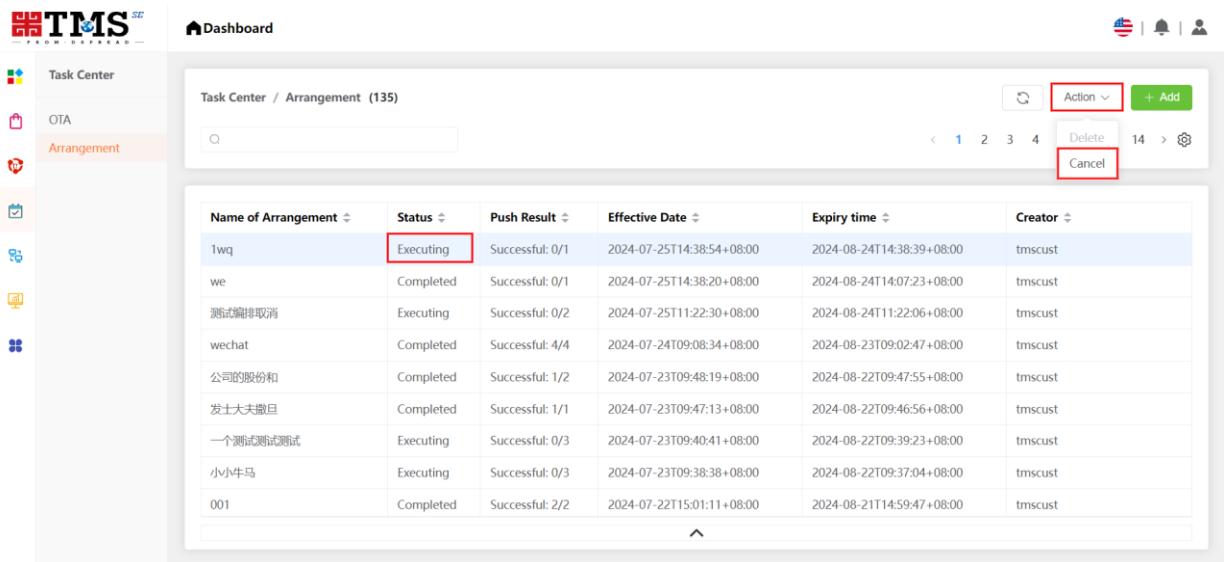


8. If the same task is repeatedly pushed to a device, the message "Device Task Conflict" will be displayed , and you can click Close the old duplicate task to push the new task.



The screenshot shows the LarkTMS Task Center interface. A modal window titled "Tip" is displayed, asking if the user wants to close the old task. The modal includes a table with columns: SN, Task ID, Task Name, and Task Alias Name. One row is visible: SN 01220100202210100793, Task ID c6631d67-eaed-487f-a49f-3..., Task Name TASK_Firmware_BASE_D20..., and Task Alias Name. Below the table, it says "Do you want to close the old task? [No]". A note below states: "If the old task is closed, its pre-tasks and post-tasks will also be closed. If you continue to add, these tasks will be closed. Confirm to continue adding?" There are "Cancel" and "OK" buttons at the bottom.

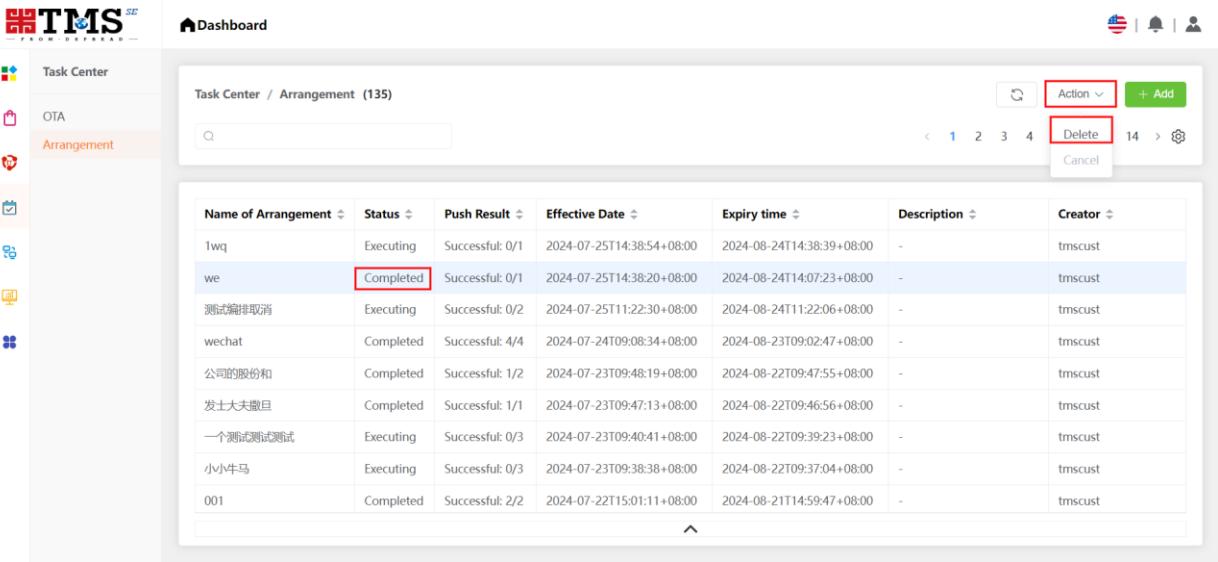
6.2.3 Cancel the orchestration task



The screenshot shows the LarkTMS Task Center interface with the "Arrangement" tab selected. In the top right corner, the "Action" dropdown menu is open, and the "Cancel" option is highlighted with a red box. The main table lists various arrangement tasks, including their names, statuses, push results, effective dates, expiry times, and creators. One task, "1wq", is currently executing.

- Note:** The prerequisite for canceling an orchestration task is that the orchestration task is in the Running or Pending state.
- Select the row of the task you want to cancel, click Action in the upper right corner of the page, and select Cancel from the drop-down list.
- Click Confirm in the pop-up window to cancel the task.

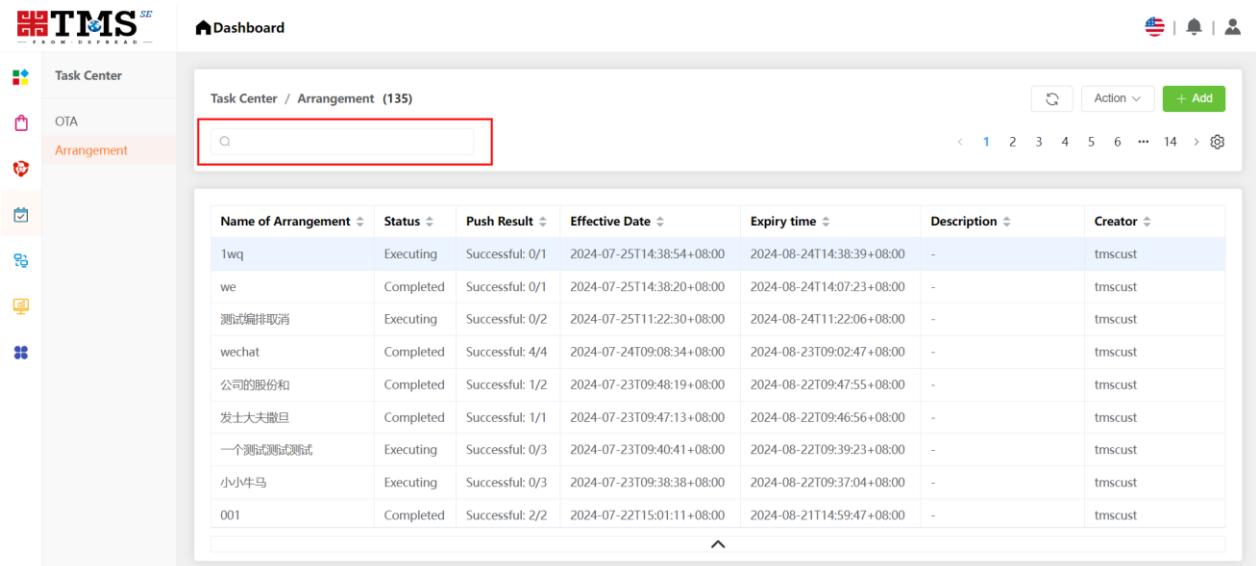
6.2.4 Delete the orchestration task



Name of Arrangement	Status	Push Result	Effective Date	Expiry time	Description	Creator
Iwq	Executing	Successful: 0/1	2024-07-25T14:38:54+08:00	2024-08-24T14:38:39+08:00	-	tmscust
we	Completed	Successful: 0/1	2024-07-25T14:38:20+08:00	2024-08-24T14:07:23+08:00	-	tmscust
测试编排取消	Executing	Successful: 0/2	2024-07-25T11:22:30+08:00	2024-08-24T11:22:06+08:00	-	tmscust
wechat	Completed	Successful: 4/4	2024-07-24T09:08:34+08:00	2024-08-23T09:02:47+08:00	-	tmscust
公司的股份和	Completed	Successful: 1/2	2024-07-23T09:48:19+08:00	2024-08-22T09:47:55+08:00	-	tmscust
发士大夫撤旦	Completed	Successful: 1/1	2024-07-23T09:47:13+08:00	2024-08-22T09:46:56+08:00	-	tmscust
一个测试测试测试	Executing	Successful: 0/3	2024-07-23T09:40:41+08:00	2024-08-22T09:39:23+08:00	-	tmscust
小小牛马	Executing	Successful: 0/3	2024-07-23T09:38:38+08:00	2024-08-22T09:37:04+08:00	-	tmscust
001	Completed	Successful: 2/2	2024-07-22T15:01:11+08:00	2024-08-21T14:59:47+08:00	-	tmscust

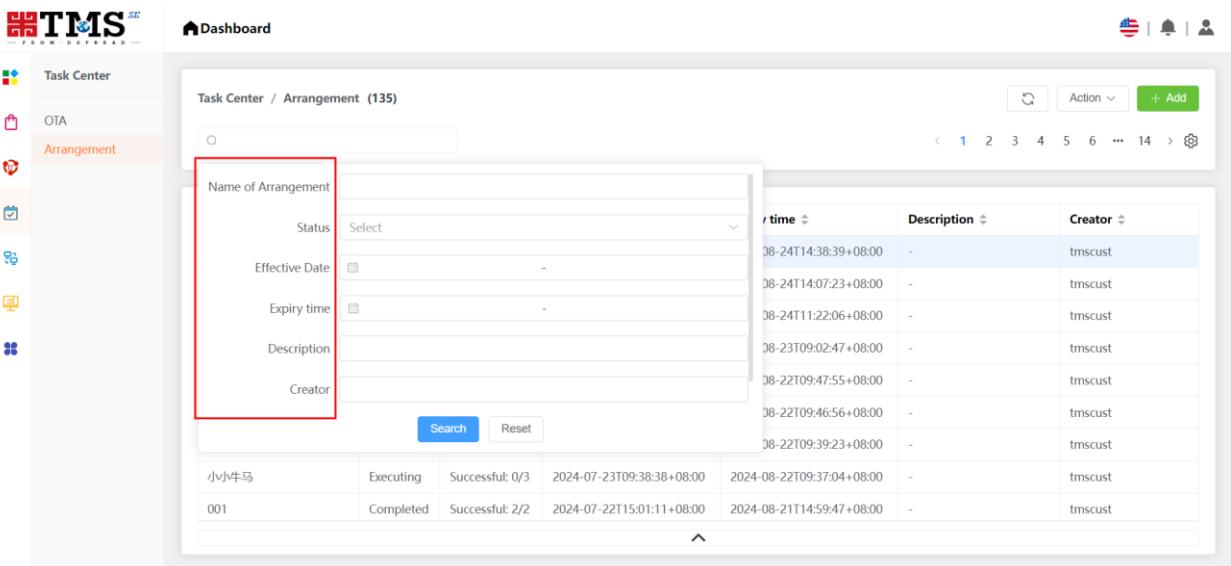
- Note:** If you delete an orchestration task, the task must not be in the Running or Pending state.
- Select the row of tasks you want to delete, click Action in the upper right corner of the page, and select Delete from the drop-down list.
- Click OK in the pop-up window to delete the task.

6.2.5 Query orchestration tasks



Name of Arrangement	Status	Push Result	Effective Date	Expiry time	Description	Creator
Iwq	Executing	Successful: 0/1	2024-07-25T14:38:54+08:00	2024-08-24T14:38:39+08:00	-	tmscust
we	Completed	Successful: 0/1	2024-07-25T14:38:20+08:00	2024-08-24T14:07:23+08:00	-	tmscust
测试编排取消	Executing	Successful: 0/2	2024-07-25T11:22:30+08:00	2024-08-24T11:22:06+08:00	-	tmscust
wechat	Completed	Successful: 4/4	2024-07-24T09:08:34+08:00	2024-08-23T09:02:47+08:00	-	tmscust
公司的股份和	Completed	Successful: 1/2	2024-07-23T09:48:19+08:00	2024-08-22T09:47:55+08:00	-	tmscust
发士大夫撤旦	Completed	Successful: 1/1	2024-07-23T09:47:13+08:00	2024-08-22T09:46:56+08:00	-	tmscust
一个测试测试测试	Executing	Successful: 0/3	2024-07-23T09:40:41+08:00	2024-08-22T09:39:23+08:00	-	tmscust
小小牛马	Executing	Successful: 0/3	2024-07-23T09:38:38+08:00	2024-08-22T09:37:04+08:00	-	tmscust
001	Completed	Successful: 2/2	2024-07-22T15:01:11+08:00	2024-08-21T14:59:47+08:00	-	tmscust

- Find the search box in the upper left corner of the Orchestration Task page and click it
- Based on the keywords displayed in the search drop-down list, select the keywords you want to query and enter or select them. You can select a single conditional query or a federated query with multiple criteria.



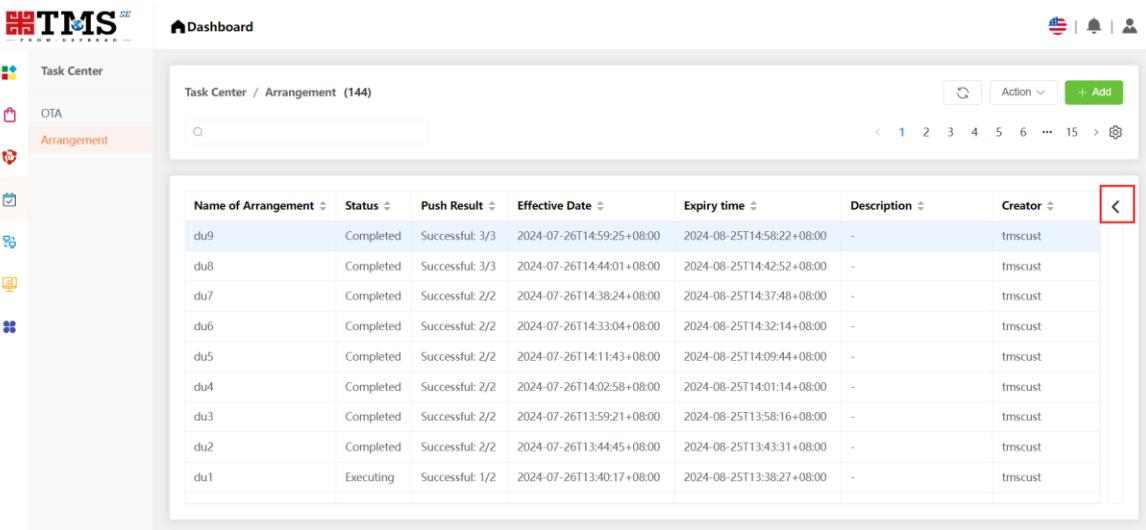
The screenshot shows the LarkTMS Task Center Arrangement page. On the left, there is a sidebar with icons for Task Center, OTA, and Arrangement (which is highlighted). The main area has a header "Task Center / Arrangement (135)". Below the header is a search bar and a table of results. The table columns include Name of Arrangement, Status, Effective Date, Expiry time, Description, and Creator. A red box highlights the search filters: "Name of Arrangement", "Status" (set to "Select"), "Effective Date", "Expiry time", "Description", and "Creator". At the bottom of the table, there are two buttons: "Search" and "Reset". Above the table, there are navigation links and a page number indicator (1-14).

Search

3. Click "Search" to complete the search

6.2.6 Details

1. Click the button on the right side  of the page to display the task details from the right, or click the button at the bottom of the page  to display the task details from the bottom.



The screenshot shows the LarkTMS Task Center Arrangement page with task details expanded on the right side. On the left, there is a sidebar with icons for Task Center, OTA, and Arrangement (highlighted). The main area has a header "Task Center / Arrangement (144)". Below the header is a search bar and a table of results. A red box highlights the "Creator" column in the table. To the right of the table, there is a large details window containing the same table data, with the "Creator" column values "tmscust" repeated for each row. There are also "X" and gear icons in the top right corner of the details window.

1. Find the pattern on the left in the upper right corner of the details page  , and you can adjust the details window to open on the right or at the bottom.

Task Center / Arrangement (144)

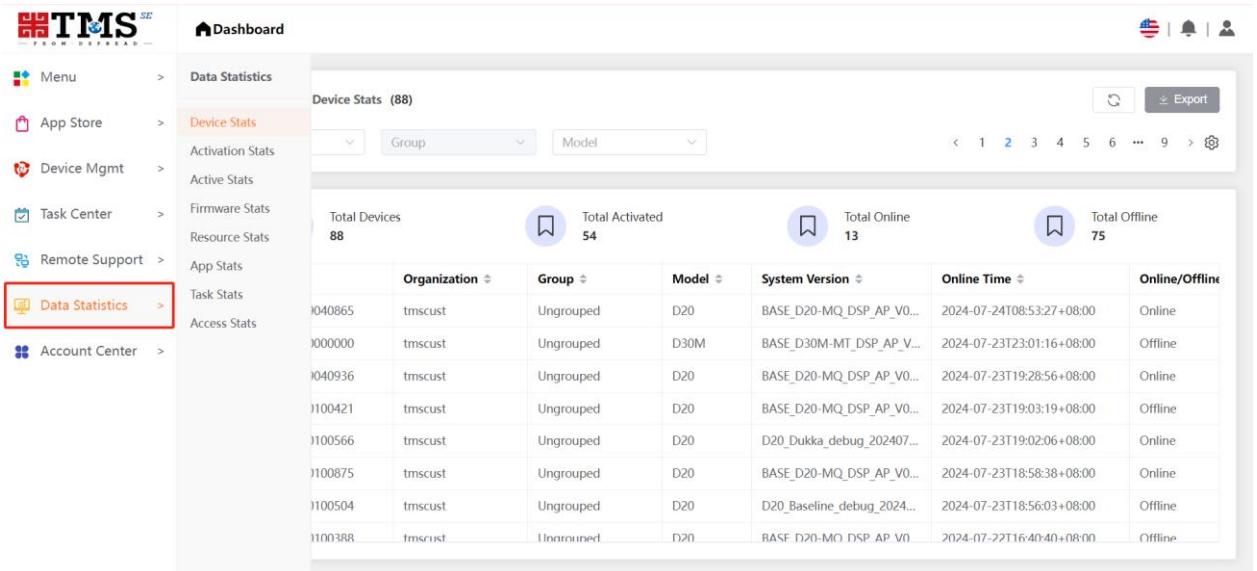
Name of Arrangement	Status	Push Result	Effective Date	Expiry time
du9	Completed	Successful: 3/3	2024-07-26T14:59:25+08:00	2024-08-2
du8	Completed	Successful: 3/3	2024-07-26T14:44:01+08:00	2024-08-2
du7	Completed	Successful: 2/2	2024-07-26T14:38:24+08:00	2024-08-2
du6	Completed	Successful: 2/2	2024-07-26T14:33:04+08:00	2024-08-2
du5	Completed	Successful: 2/2	2024-07-26T14:11:43+08:00	2024-08-2
du4	Completed	Successful: 2/2	2024-07-26T14:02:58+08:00	2024-08-2
du3	Completed	Successful: 2/2	2024-07-26T13:59:21+08:00	2024-08-2
du2	Completed	Successful: 2/2	2024-07-26T13:44:45+08:00	2024-08-2
du1	Executing	Successful: 1/2	2024-07-26T13:40:17+08:00	2024-08-2

2. Find the individual icon in the upper right corner of the details expansion page , and click it to select the list header to display.

Task Center / Arrangement (144)

Name of Arrangement	Status	Push Result	Effective Date	Expiry time
du9	Completed	Successful: 3/3	2024-07-26T14:59:25+08:00	2024-08-2
du8	Completed	Successful: 3/3	2024-07-26T14:44:01+08:00	2024-08-2
du7	Completed	Successful: 2/2	2024-07-26T14:38:24+08:00	2024-08-2
du6	Completed	Successful: 2/2	2024-07-26T14:33:04+08:00	2024-08-2
du5	Completed	Successful: 2/2	2024-07-26T14:11:43+08:00	2024-08-2
du4	Completed	Successful: 2/2	2024-07-26T14:02:58+08:00	2024-08-2
du3	Completed	Successful: 2/2	2024-07-26T13:59:21+08:00	2024-08-2
du2	Completed	Successful: 2/2	2024-07-26T13:44:45+08:00	2024-08-2
du1	Executing	Successful: 1/2	2024-07-26T13:40:17+08:00	2024-08-2

7. Data Centers

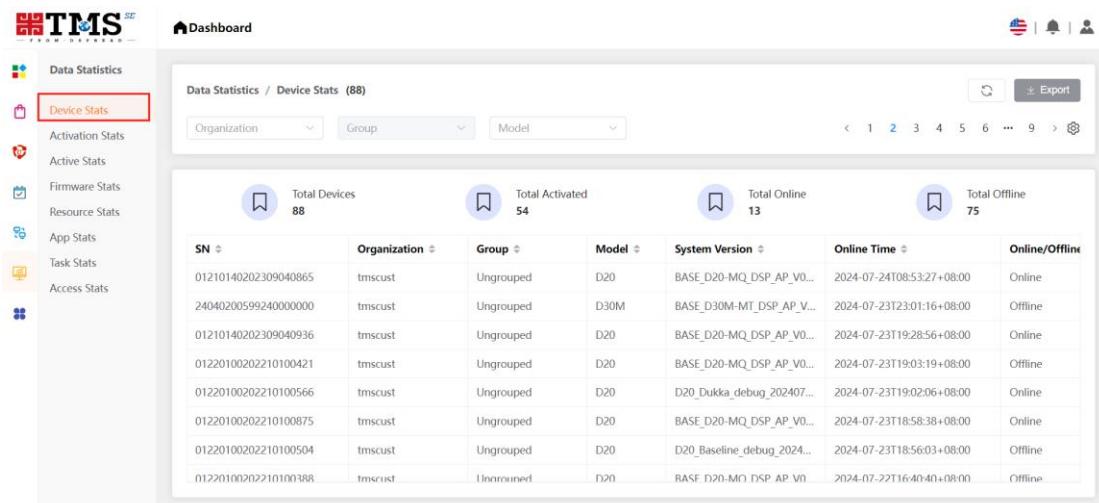


SN	Organization	Group	Model	System Version	Online Time	Online/Offline
1040865	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-24T08:53:27+08:00	Online
1000000	tmscust	Ungrouped	D30M	BASE_D30M-MT_DSP_AP_V...	2024-07-23T23:01:16+08:00	Offline
1040936	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-23T19:28:56+08:00	Online
1100421	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-23T19:03:19+08:00	Offline
1100566	tmscust	Ungrouped	D20	D20_Dukka_debug_202407...	2024-07-23T19:02:06+08:00	Online
1100875	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-23T18:58:38+08:00	Online
1100504	tmscust	Ungrouped	D20	D20_Baseline_debug_2024...	2024-07-23T18:56:03+08:00	Offline
1100388	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-22T16:40:40+08:00	Offline

Click the 【Data Statistics】 button on the left menu bar to enter the data center page.

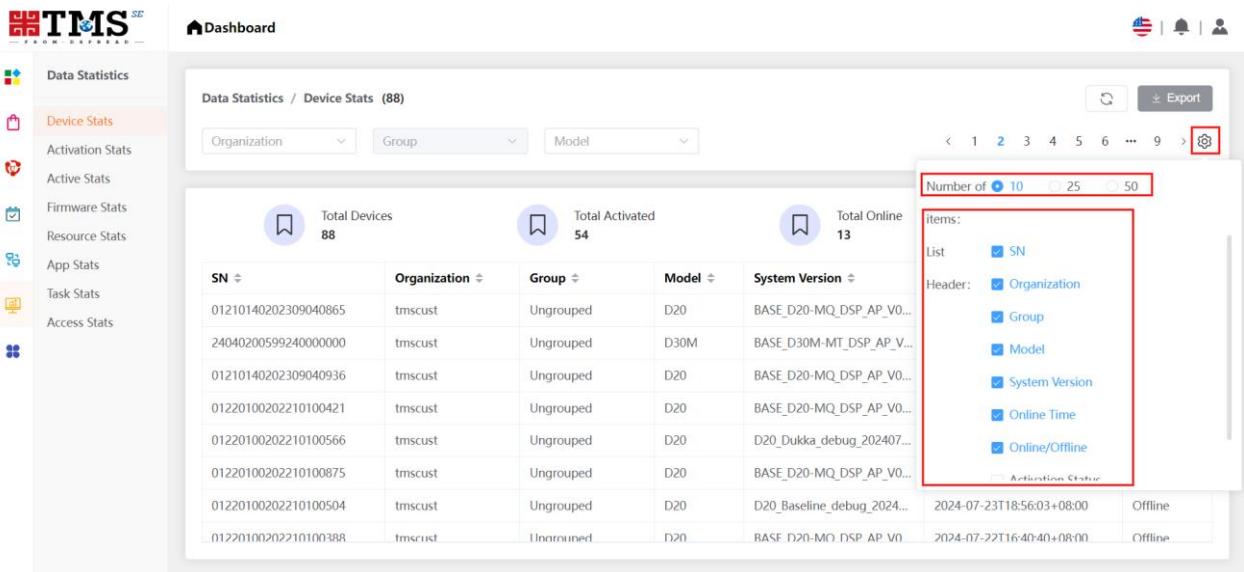
7.1 Device Data

1. Click the 【Data Statistics】 -> 【Device Stats】 button on the left menu bar to enter the device data page.



SN	Organization	Group	Model	System Version	Online Time	Online/Offline
01210140202309040965	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-24T08:53:27+08:00	Online
24040200599240000000	tmscust	Ungrouped	D30M	BASE_D30M-MT_DSP_AP_V...	2024-07-23T23:01:16+08:00	Offline
01210140202309040936	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-23T19:28:56+08:00	Online
01220100202210100421	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-23T19:03:19+08:00	Offline
01220100202210100566	tmscust	Ungrouped	D20	D20_Dukka_debug_202407...	2024-07-23T19:02:06+08:00	Online
01220100202210100875	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-23T18:58:38+08:00	Online
01220100202210100504	tmscust	Ungrouped	D20	D20_Baseline_debug_2024...	2024-07-23T18:56:03+08:00	Offline
01220100202210100388	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-22T16:40:40+08:00	Offline

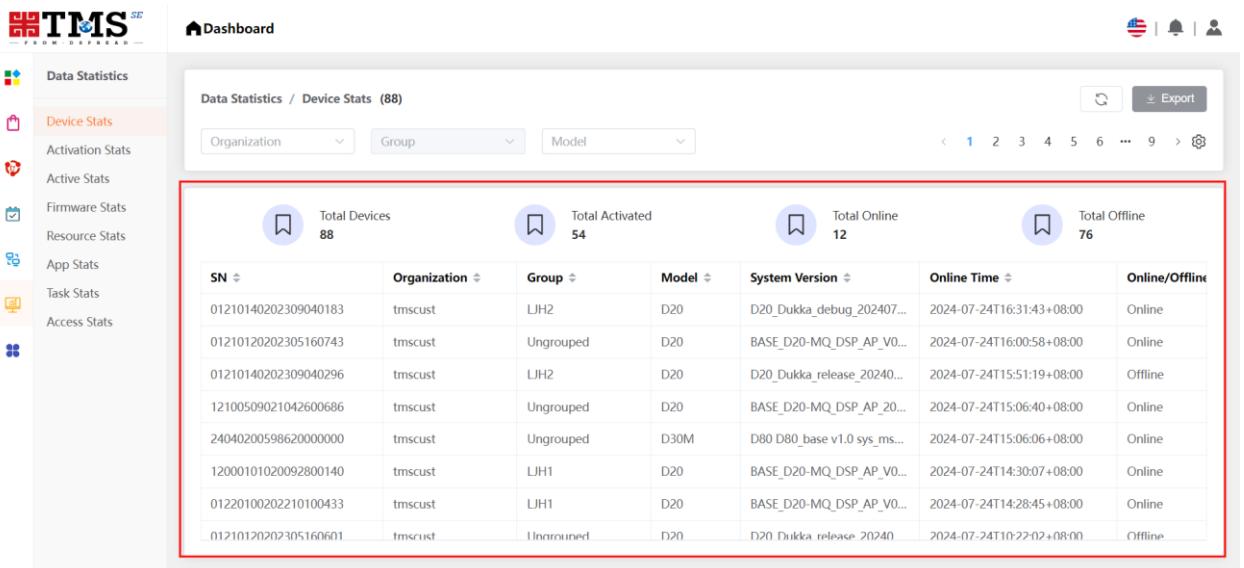
2. Find the icon in the upper right corner of the page  , and click it to change the number of data bars displayed in pagination; You can also modify the displayed list header.



The screenshot shows the 'Device Stats' section of the LarkTMS interface. At the top, there are three dropdown filters: 'Organization', 'Group', and 'Model'. Below these are four summary metrics: 'Total Devices' (88), 'Total Activated' (54), 'Total Online' (13), and 'Total Offline' (76). A red box highlights the 'Number of' dropdown set to 10, with options 25 and 50 available. To the right, a sidebar lists filter items: 'List' (SN checked), 'Header' (Organization, Group, Model, System Version, Online Time, Online/Offline checked), and 'Action Status' (unchecked). The main table lists 10 device entries with columns for SN, Organization, Group, Model, System Version, Online Time, and Online/Offline status.

SN	Organization	Group	Model	System Version	Online Time	Online/Offline
01210140202309040865	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...		
24040200599240000000	tmscust	Ungrouped	D30M	BASE_D30M-MT_DSP_AP_V...		
01210140202309040936	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...		
01220100202210100421	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...		
01220100202210100566	tmscust	Ungrouped	D20	D20_Dukka_debug_202407...		
01220100202210100875	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...		
01220100202210100504	tmscust	Ungrouped	D20	D20_Baseline_debug_2024...	2024-07-23T18:56:03+08:00	Offline
01220100202210100388	tmscust	Ungrouped	D20	RASF_D20-MQ_DSP_AP_V0...	2024-07-22T16:40:40+08:00	Offline

7.1.1 Device Data List



This screenshot shows the same 'Device Stats' section as the previous one, but with a different set of device data. The table now includes columns for 'Online Time' and 'Online/Offline'. A red box highlights the entire table area. The data shows 10 devices across various models and organizations, with specific online times and statuses.

SN	Organization	Group	Model	System Version	Online Time	Online/Offline
01210140202309040183	tmscust	LH2	D20	D20_Dukka_debug_202407...	2024-07-24T16:31:43+08:00	Online
01210120202305160743	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-24T16:00:58+08:00	Online
01210140202309040296	tmscust	LH2	D20	D20_Dukka_release_20240...	2024-07-24T15:51:19+08:00	Offline
12100509021042600686	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_20...	2024-07-24T15:06:40+08:00	Online
24040200598620000000	tmscust	Ungrouped	D30M	D80_D80_base_v1.0.sys_ms...	2024-07-24T15:06:06+08:00	Online
12000101020092800140	tmscust	LH1	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-24T14:30:07+08:00	Online
01220100202210100433	tmscust	LH1	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-24T14:28:45+08:00	Online
01210120202305160601	tmscust	Ungrouped	D20	D20_Dukka_release_20240...	2024-07-24T10:22:02+08:00	Offline

- After entering the device data page, you can view the information of all devices in the current organization.
- You can view the total number of devices, the total number of activations, the total number of online, and the total number of offline at the top of the page.
- You can view the detailed information of the device at the bottom of the page, including the device number, organization, model, system version, and other information.

7.1.2 Query data

The screenshot shows the LarkTMS interface for device statistics. On the left, there's a sidebar with various stats like Data Statistics, Device Stats (highlighted in orange), Activation Stats, etc. The main area is titled 'Data Statistics / Device Stats (88)'. It features three search dropdowns at the top: 'Organization' (set to 'tmscust'), 'Group' (set to 'Ungrouped'), and 'Model' (set to 'D20'). Below these are four summary metrics with icons: 'Total Devices 88', 'Total Activated 54', 'Total Online 12', and 'Total Offline 76'. At the bottom is a table listing device details with columns for SN, Organization, Group, Model, System Version, Online Time, and Online/Offline status.

SN	Organization	Group	Model	System Version	Online Time	Online/Offline
01210140202309040183	tmscust	LH2	D20	D20_Dukka_debug_202407...	2024-07-24T16:31:43+08:00	Online
01210120202305160743	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-24T16:00:58+08:00	Online
01210140202309040296	tmscust	LH2	D20	D20_Dukka_release_20240...	2024-07-24T15:51:19+08:00	Offline
12100509021042600686	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_20...	2024-07-24T15:06:40+08:00	Online
24040200598620000000	tmscust	Ungrouped	D30M	D80_D80_base_v1.0.sys_ms...	2024-07-24T15:06:06+08:00	Online
12000101020092800140	tmscust	LH1	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-24T14:30:07+08:00	Online
01220100202210100433	tmscust	LH1	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-24T14:28:45+08:00	Online
01210120202305160601	tmscust	Ungrouped	D20	D20_Dukka_release_20240...	2024-07-24T10:22:02+08:00	Offline

- At the top of the device data interface, find the organization search box, group search box, and model search box.
- Select the field to be queried based on the keywords displayed in the search drop-down box. You can select a single conditional query or a federated query with multiple criteria.

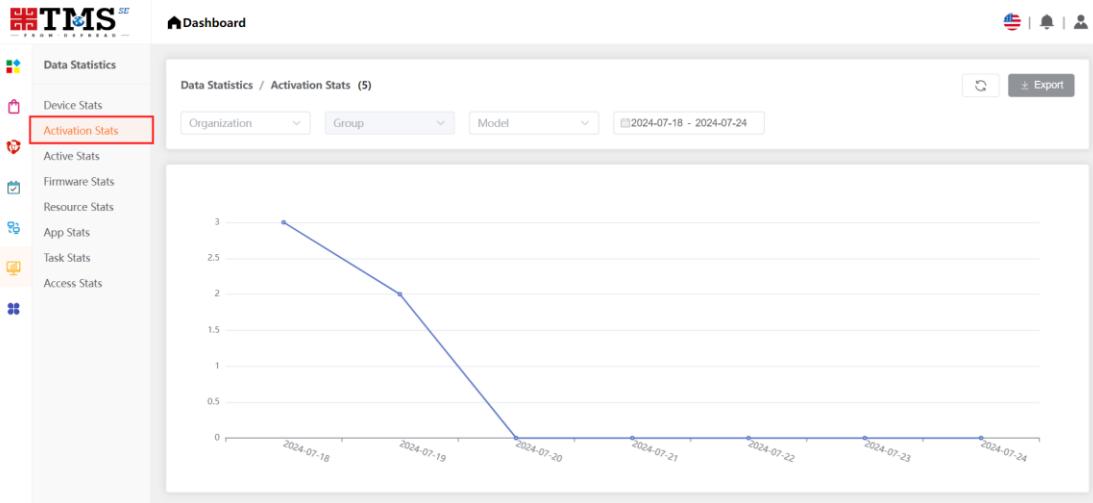
7.1.3 Export device data

Find the "Export" button in the upper right corner of the page, and click it to export all the device data of the current search results to an excel sheet.

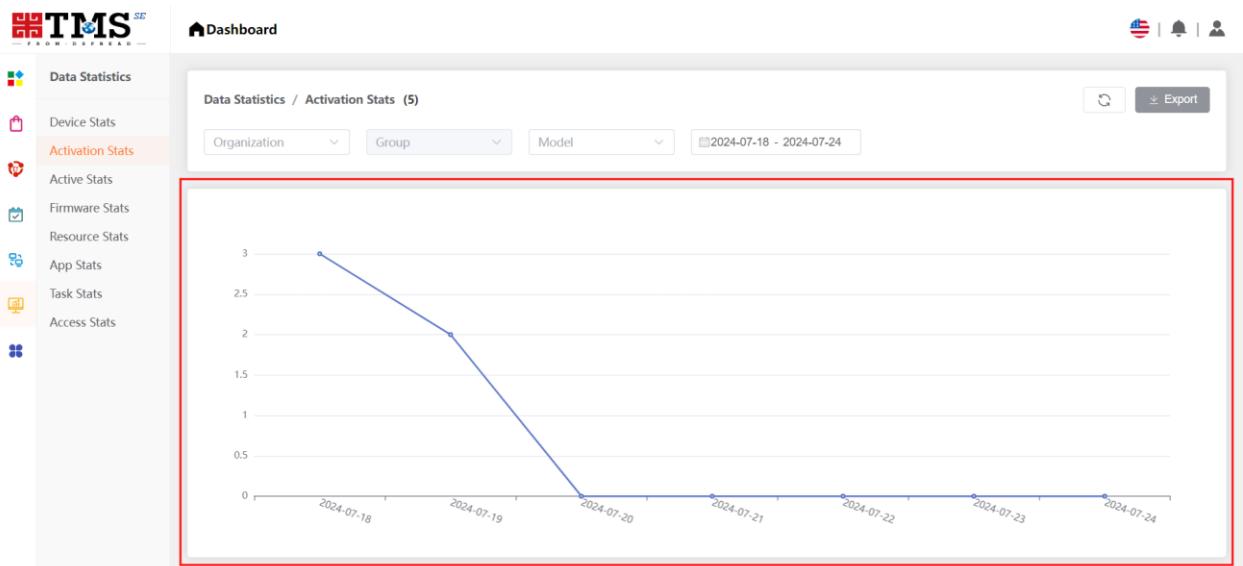
This screenshot is identical to the one above, showing the LarkTMS Data Statistics / Device Stats interface. The 'Export' button in the top right corner of the main search area is highlighted with a red box.

7.2 Activation Data

Click the 【Data Statistics】->【Activation Stats】button on the left menu bar to enter the activation data page.

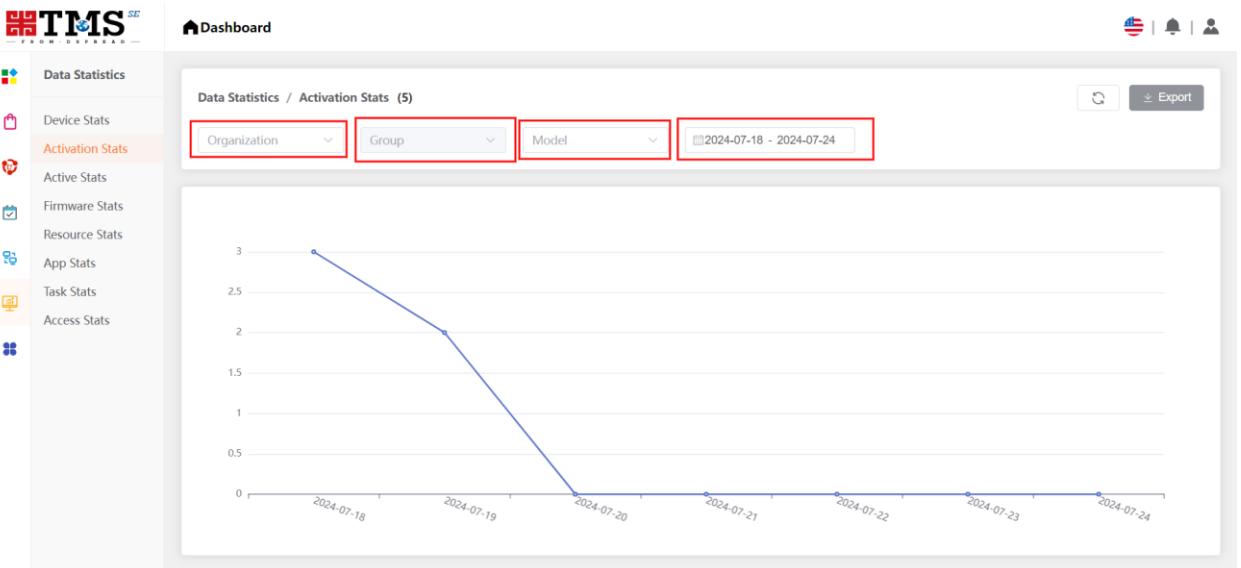


7.2.1 Activate the data line chart



After entering the activation data page, you can view the data information of all activated devices in any specified range in the previous 180 days of the current organization. For example, 2 devices were activated on July 19, 2024.

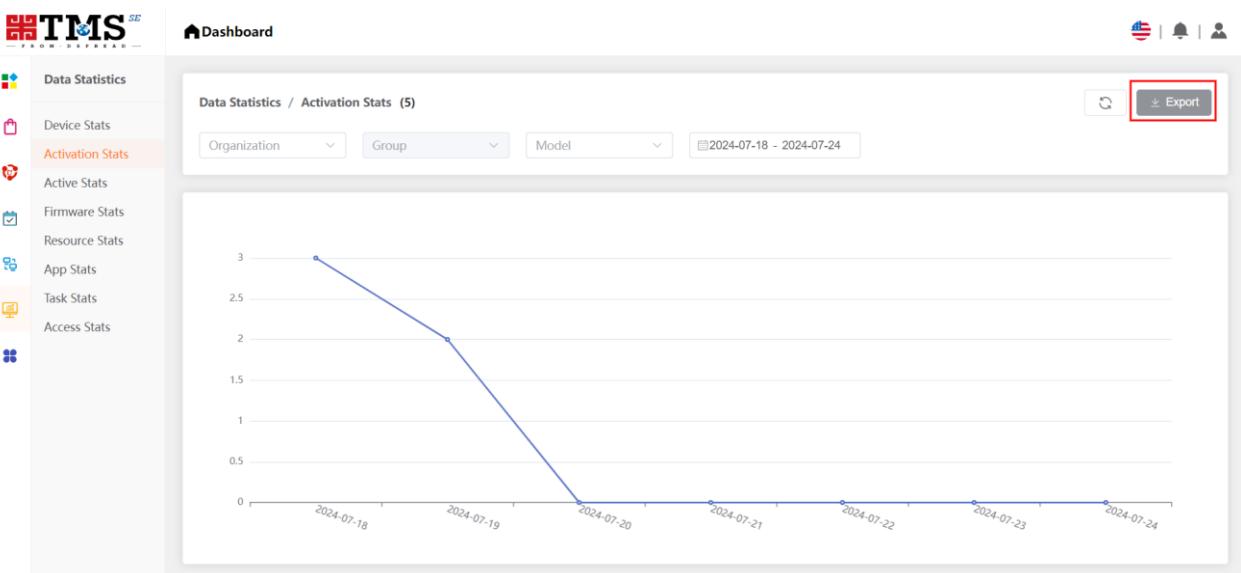
7.2.2 Query Data



- At the top of the activation data interface, find the organization search box, group search box, model search box, and date selection box.
- Select the field to be queried based on the keywords displayed in the search drop-down box. You can select a single conditional query or a federated query with multiple criteria.
- You can use the date selection box to select the data of activated devices within the date range that you want to query. You can combine queries with other search boxes.

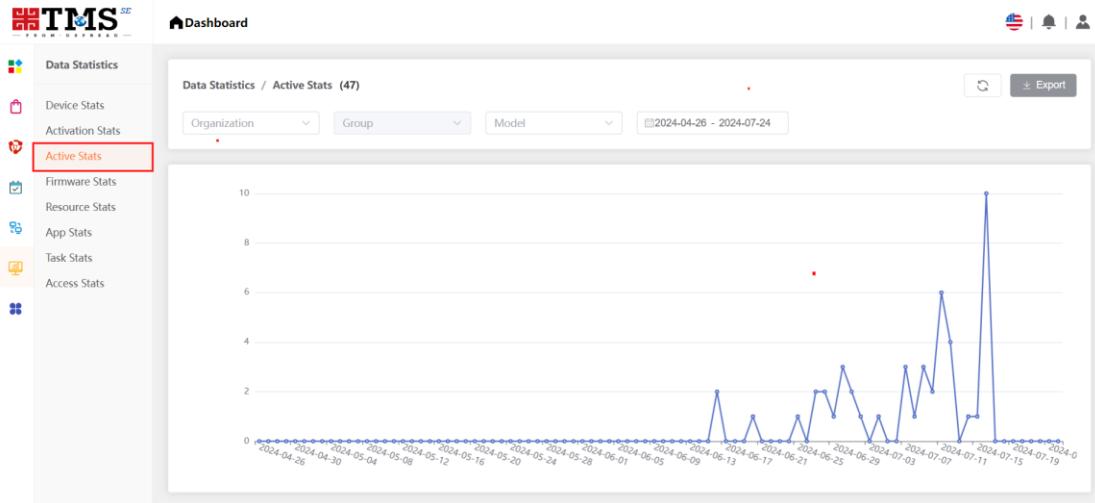
7.2.3 Export Activation Data

Find the "Export" button in the upper right corner of the page, and click it to export all the activation data displayed in the current search results to an excel sheet.

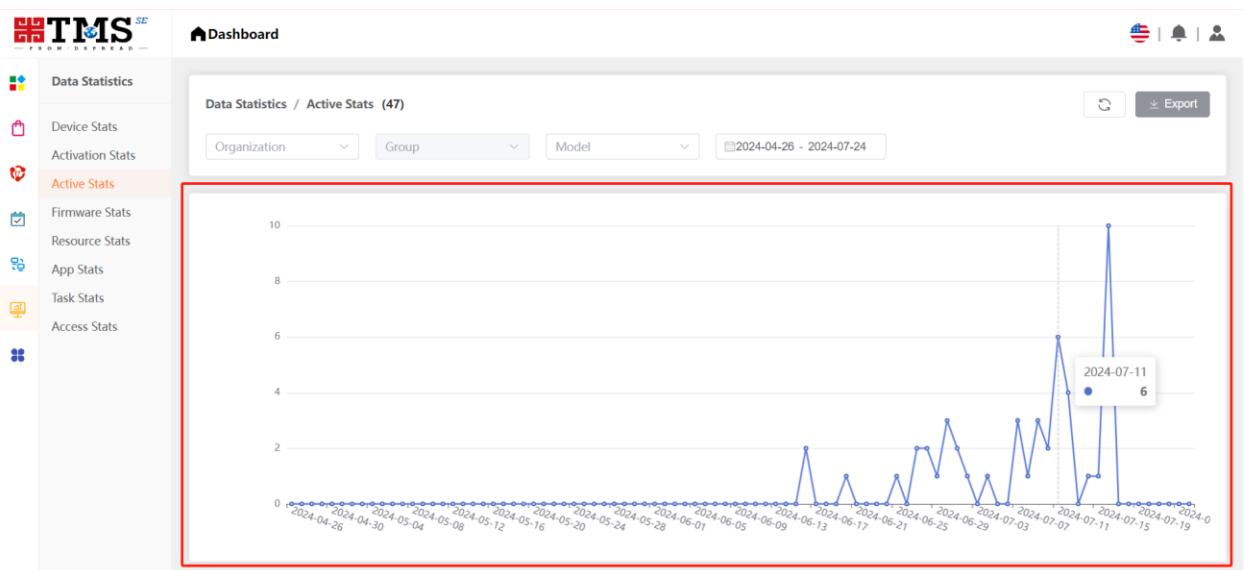


7.3 Active Data

Click the 【Data Statistics】 -> 【Active Stats】 button on the left menu bar to enter the active data page.

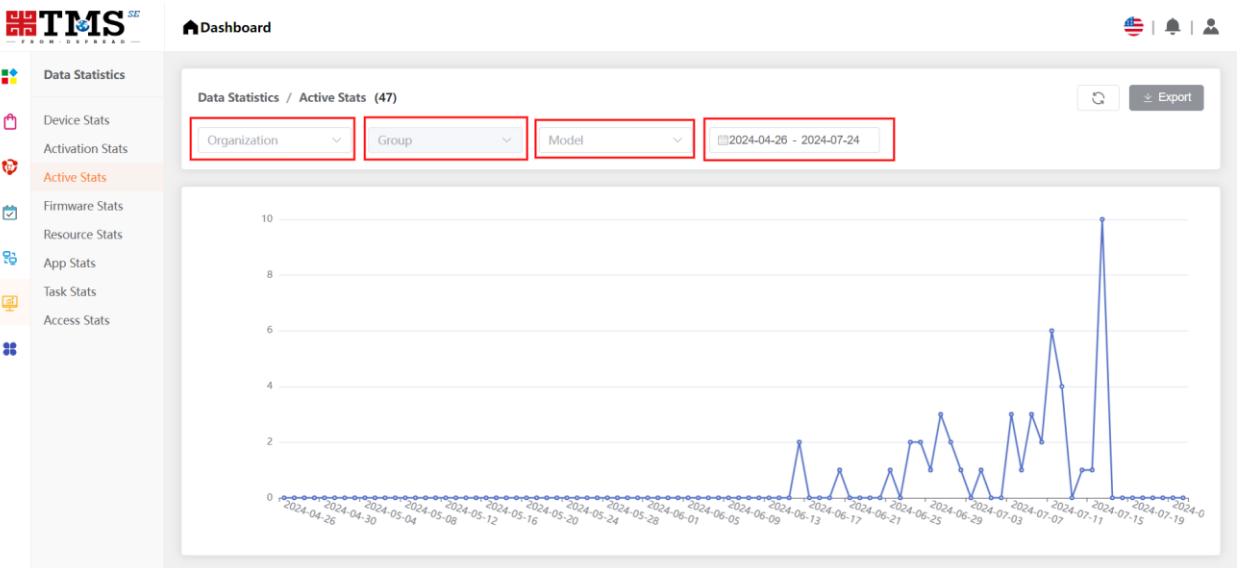


7.3.1 Active Data Line Chart



After entering the Active Data page, you can view the data information of all active devices in any specified range in the previous 180 days of the current organization. For example, on July 11, 2024, 6 devices were active.

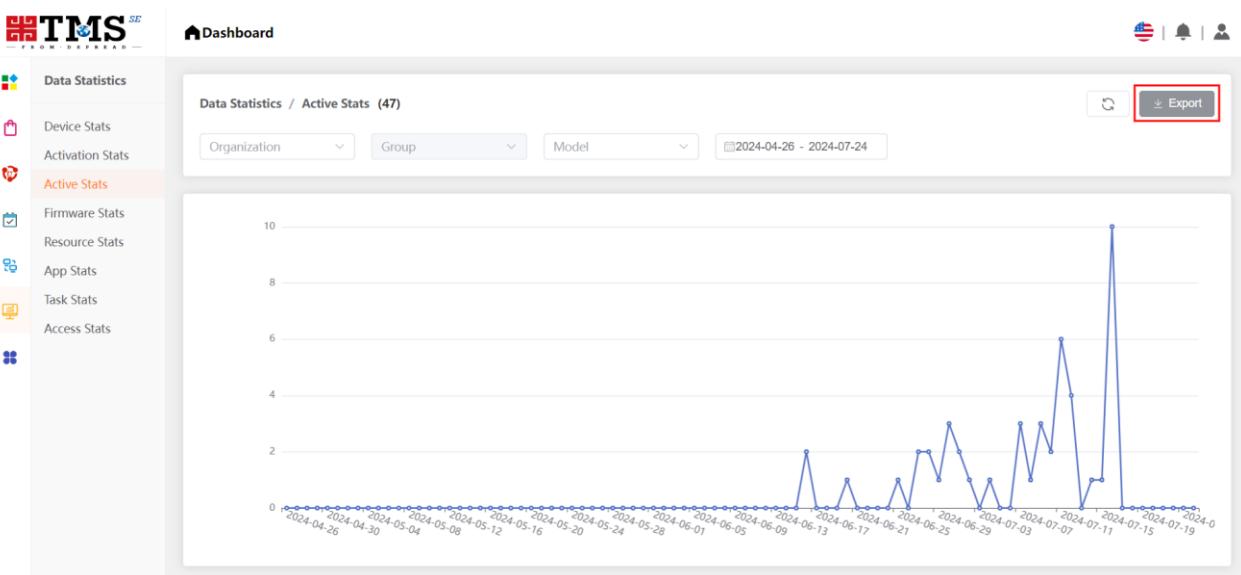
7.3.2 Query Data



1. At the top of the active data interface, you can find the organization search box, group search box, model search box, and date search box.
2. Select the field to be queried based on the keywords displayed in the search drop-down box. You can select a single conditional query or a federated query with multiple criteria.
3. You can use the date selection box to select the active device data within the date range that you want to query. You can combine queries with other search boxes.

7.3.3 Export active data

Find the "Export" button in the upper right corner of the page, and click it to export all the active data displayed in the current search results to an excel sheet.



7.4 Firmware Data

1. Click the 【Data Statistics】 -> 【Firmware Stats】 button on the left menu bar to enter the firmware data page.

Firmware Name	Version	Organization	Group	Pushed Devices	Compatible Model	Time of Installation
BASE_D20-MQ_Dukka_...	587*	tmscust	LJH2	01210140202309040296	BASE	2024-07-24T16:56:
BASE_D20-MQ_Dukka_...	587*	tmscust	LJH2	01210140202309040296	BASE	2024-07-24T16:50:
BASE_D20-MQ_Dukka_...	20240723191702	tmscust	LJH2	01210140202309040183	BASE	2024-07-24T16:31:
BASE_D20-MQ_Dukka_AP	20240723191459	tmscust	LJH2	01210140202309040296	BASE	2024-07-24T15:51:
BASE_D20-MQ_Dukka_SP	280*	tmscust	LJH2	01210140202309040296	BASE	2024-07-24T15:48:
BASE_D20-MQ_Dukka_SP	280*	tmscust	LJH2	01210140202309040183	BASE	2024-07-24T15:42:
BASE_D20-MT_Dukka_SP	435.20.136.39	tmscust	Ungrouped	01210120202305160601	BASE	2024-07-24T10:22:

2. Find the icon in the upper right corner of the page , and click it to change the number of data bars displayed in pagination; You can also modify the displayed list header.

Number of: 10 25 50

Items:
 Firmware Name
 Version
 Organization
 Group
 Pushed Devices
 Compatible Model
 Time of Installation

Header:
 Version
 Organization
 Group
 Pushed Devices
 Compatible Model
 Time of Installation

7.4.1 Firmware Data List

The screenshot shows the TMS Dashboard with the 'Firmware Stats' section selected. At the top, there are four summary metrics: Total Firmwares (46), Total Versions (41), Total Installation (239), and Total Deliveries (18). Below these are two search boxes: 'Firmware Name' and 'SN'. The main area is a table with columns: Firmware Name, Version, Organization, Group, Pushed Devices, Compatible Model, and Time of Installation. The table lists several entries, including BASE_D20-MQ_Dukka_SP and BASE_D20-MT_Dukka_SP.

Firmware Name	Version	Organization	Group	Pushed Devices	Compatible Model	Time of Installation
BASE_D20-MQ_Dukka_SP	587*	tmscust	LJH2	01210140202309040296	BASE	2024-07-24T16:56:
BASE_D20-MQ_Dukka_SP	587*	tmscust	LJH2	01210140202309040296	BASE	2024-07-24T16:50:
BASE_D20-MQ_Dukka_SP	20240723191702	tmscust	LJH2	01210140202309040183	BASE	2024-07-24T16:31:
BASE_D20-MQ_Dukka_AP	20240723191459	tmscust	LJH2	01210140202309040296	BASE	2024-07-24T15:51:
BASE_D20-MQ_Dukka_SP	280*	tmscust	LJH2	01210140202309040296	BASE	2024-07-24T15:44:
BASE_D20-MQ_Dukka_SP	280*	tmscust	LJH2	01210140202309040183	BASE	2024-07-24T15:42:
BASE_D20-MT_Dukka_SP	435.20.136.39	tmscust	Ungrouped	01210140202305160601	BASE	2024-07-24T10:22:

- After entering the firmware data page, you can view the firmware data information that the firmware task pushed by the current organization has been successfully sent to the device.
- At the top of the page, you can view the total number of firmware, the total number of versions, the number of installations, and the number of devices reached.
- You can view the firmware details at the bottom of the page, including the firmware name, version, organization, push device, and adaptation information.

7.4.2 Query Data

The screenshot shows the TMS Dashboard with the 'Firmware Stats' section selected. The 'Organization' and 'Model' dropdowns at the top are highlighted with red boxes. Below them are the same four summary metrics and search boxes as in the previous screenshot. The main table is identical to the one in the previous screenshot.

- At the top of the interface, find the institution search box and the model search box respectively; On the left side of the interface, find the firmware name search box and the device number search box.
- Select the keywords that you want to query based on the keywords displayed in the

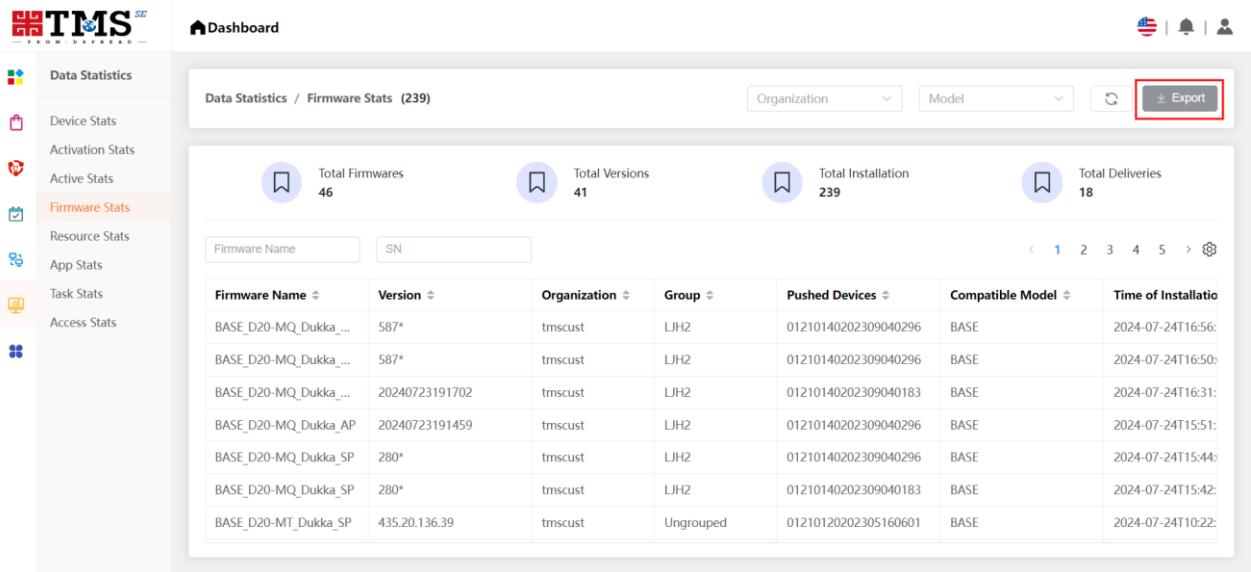
Organization drop-down list and the Model drop-down list. You can select a single conditional query or a federated query with multiple criteria.

3. You can enter the firmware name to be queried in the firmware name search box, and click enter to query; You can also enter the device number to be queried in the device number search box, and click enter to query. Enter the search box to jointly search with the drop-down box.

7.4.3 Export firmware data



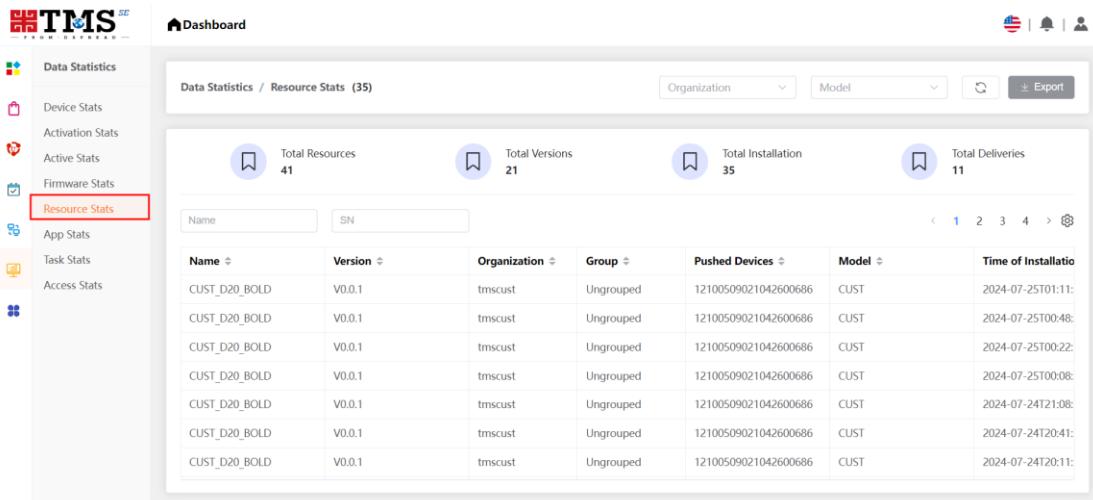
Find the "Export" button in the upper right corner of the page, and click it to export all the firmware data displayed in the current search results to an excel sheet.



The screenshot shows the TMS system's Firmware Stats page. On the left, there is a sidebar with various statistics categories: Data Statistics, Device Stats, Activation Stats, Active Stats, **Firmware Stats**, Resource Stats, App Stats, Task Stats, and Access Stats. The Firmware Stats category is currently selected. The main content area displays four summary metrics: Total Firmwares (46), Total Versions (41), Total Installation (239), and Total Deliveries (18). Below these metrics is a search bar with fields for 'Firmware Name' and 'SN'. A table lists eight rows of firmware data, each with columns for Firmware Name, Version, Organization, Group, Pushed Devices, Compatible Model, and Time of Installation. The 'Export' button in the top right corner is highlighted with a red box.

7.5 Resource Data

1. Click the 【Data Statistics】 -> 【Resource Stats】 button on the left menu bar to enter the resource data page.



The screenshot shows the TMS system's Resource Stats page. On the left, there is a sidebar with various statistics categories: Data Statistics, Device Stats, Activation Stats, Active Stats, Firmware Stats, **Resource Stats**, App Stats, Task Stats, and Access Stats. The Resource Stats category is currently selected. The main content area displays four summary metrics: Total Resources (41), Total Versions (21), Total Installation (35), and Total Deliveries (11). Below these metrics is a search bar with fields for 'Name' and 'SN'. A table lists eight rows of resource data, each with columns for Name, Version, Organization, Group, Pushed Devices, Model, and Time of Installation. The 'Export' button in the top right corner is highlighted with a red box.

2. Find the icon in the upper right corner of the page , and click it to change the number of data bars displayed in pagination; You can also modify the displayed list header.

The screenshot shows the 'Resource Stats' section of the LarkTMS interface. On the left is a sidebar with various stats like Data Statistics, Device Stats, Activation Stats, etc. The 'Resource Stats' item is highlighted. The main area displays four summary metrics: Total Resources (41), Total Versions (21), Total Installation (35), and Total Deliveries (11). Below these are two search input fields: 'Name' and 'SN'. A table lists resource details with columns: Name, Version, Organization, Group, Pushed Devices, Model, and Time of Installation. At the bottom right of the table, there's a dropdown menu with options for 'Number of' (10, 25, 50) and a 'Header' configuration panel. The 'Header' panel includes checkboxes for Name, Version, Organization, Group, Pushed Devices, Model, and Time of Installation. A red box highlights the 'Number of' dropdown and the 'Header' panel.

7.5.1 Resource Data List

The screenshot shows the 'Resource Data List' section of the LarkTMS interface. It has the same sidebar and top navigation as the previous screenshot. The main area shows the same four summary metrics and search fields. The table below is more detailed, including a 'Model' column. A large red box highlights the entire table content. The table rows show resource names like 'CUST_D20_BOLD' with version 'V0.0.1' and organization 'tmscust', along with their respective push device IDs and model information.

- After entering the resource data page, you can view the resource data information of the current organization that successfully pushes the resource task to the device.
- At the top of the page, you can view the total number of resources, the total number of versions, the number of installs, and the number of devices reached.
- You can view the detailed information of the resource at the bottom of the page, including the resource name, version, organization, push device, and adaptation information.

7.5.2 Query data

Name	Version	Organization	Group	Pushed Devices	Model	Time of Installation
CUST_D20_BOLD	V0.0.1	tmscust	Ungrouped	12100509021042600686	CUST	2024-07-25T01:11:48
CUST_D20_BOLD	V0.0.1	tmscust	Ungrouped	12100509021042600686	CUST	2024-07-25T00:48:59
CUST_D20_BOLD	V0.0.1	tmscust	Ungrouped	12100509021042600686	CUST	2024-07-25T00:22:48
CUST_D20_BOLD	V0.0.1	tmscust	Ungrouped	12100509021042600686	CUST	2024-07-25T00:08:59
CUST_D20_BOLD	V0.0.1	tmscust	Ungrouped	12100509021042600686	CUST	2024-07-24T21:08:59
CUST_D20_BOLD	V0.0.1	tmscust	Ungrouped	12100509021042600686	CUST	2024-07-24T20:41:59
CUST_D20_BOLD	V0.0.1	tmscust	Ungrouped	12100509021042600686	CUST	2024-07-24T20:11:59

- At the top of the interface, find the institution search box and the model search box respectively; On the left side of the page, find the resource name search box and device number search box.
- Select the keywords that you want to query based on the keywords displayed in the Organization drop-down list and the Model drop-down list. You can select a single conditional query or a federated query with multiple criteria.
- You can enter the name of the resource to be queried in the resource name search box, and click Enter to query. You can also enter the device number to be queried in the device number search box, and click enter to query. Enter the search box to jointly search with the drop-down box.

7.5.3 Export resource data

Find the "Export" button in the upper right corner of the page, and click it to export all the resource data displayed in the current search results to an excel sheet.

Firmware Name	Version	Organization	Group	Pushed Devices	Compatible Model	Time of Installation
BASE_D20-MQ_Dukka_...	587*	tmscust	LJH2	01210140202309040296	BASE	2024-07-24T16:56:
BASE_D20-MQ_Dukka ...	587*	tmscust	LJH2	01210140202309040296	BASE	2024-07-24T16:50:
BASE_D20-MQ_Dukka_...	20240723191702	tmscust	LJH2	01210140202309040183	BASE	2024-07-24T16:31:
BASE_D20-MQ_Dukka_AP	20240723191459	tmscust	LJH2	01210140202309040296	BASE	2024-07-24T15:51:
BASE_D20-MQ_Dukka_SP	280*	tmscust	LJH2	01210140202309040296	BASE	2024-07-24T15:44:
BASE_D20-MQ_Dukka_SP	280*	tmscust	LJH2	01210140202309040183	BASE	2024-07-24T15:42:
BASE_D20-MT_Dukka_SP	435.20.136.39	tmscust	Ungrouped	01210120202305160601	BASE	2024-07-24T10:22:

7.6 Application Data

1. Click the 【Data Statistics】 -> 【App Stats】 button on the left menu bar to enter the app data page.

App Name	Version Name	Version Code	Organization	Group	Pushed Devices	Model
Via	4.4.7	20230113	tmscust	LJH2	01210140202309040183	D20
GotoAgent	11.0	11	tmscust	Ungrouped	01210100202210100601	D20
Android-Location	1.0	1	tmscust	Ungrouped	01220100202210100626	D20
WeChat	8.0.42	2460	tmscust	Ungrouped	01220100202210100626	D20
WeChat	8.0.42	2460	tmscust	Ungrouped	01220100202210100626	D20
GotoAgent	11.0	11	tmscust	Ungrouped	01220100202210100566	D20
GotoAgent	11.0	11	tmscust	Ungrouped	01220100202210100504	D20

2. Find the icon in the upper right corner of the page , and click it to change the number of data bars displayed in pagination; You can also modify the displayed list header.

The screenshot shows the 'App Stats' section of the TMS dashboard. At the top, there are four summary metrics: Total Apps (29), Total Versions (31), Total Installation (195), and Total Deliveries (20). Below these are two input fields for 'App Name' and 'SN'. To the right is a pagination control showing page 1 of 20. A red box highlights the 'Number of' dropdown set to 10, and the 'Export' button. On the far right, a sidebar lists items like 'List' (checkboxes for App Name, Version Name, Version Code, Organization, Group, Pushed Devices, Model) and 'Header' (checkboxes for the same categories).

App Name	Version Name	Version Code	Organization	Group
Via	4.4.7	20230113	tmscust	LJH2
GotoAgent	11.0	11	tmscust	Ungrouped
Android-Location	1.0	1	tmscust	Ungrouped
WeChat	8.0.42	2460	tmscust	Ungrouped
WeChat	8.0.42	2460	tmscust	Ungrouped
GotoAgent	11.0	11	tmscust	Ungrouped
GotoAgent	11.0	11	tmscust	Ungrouped

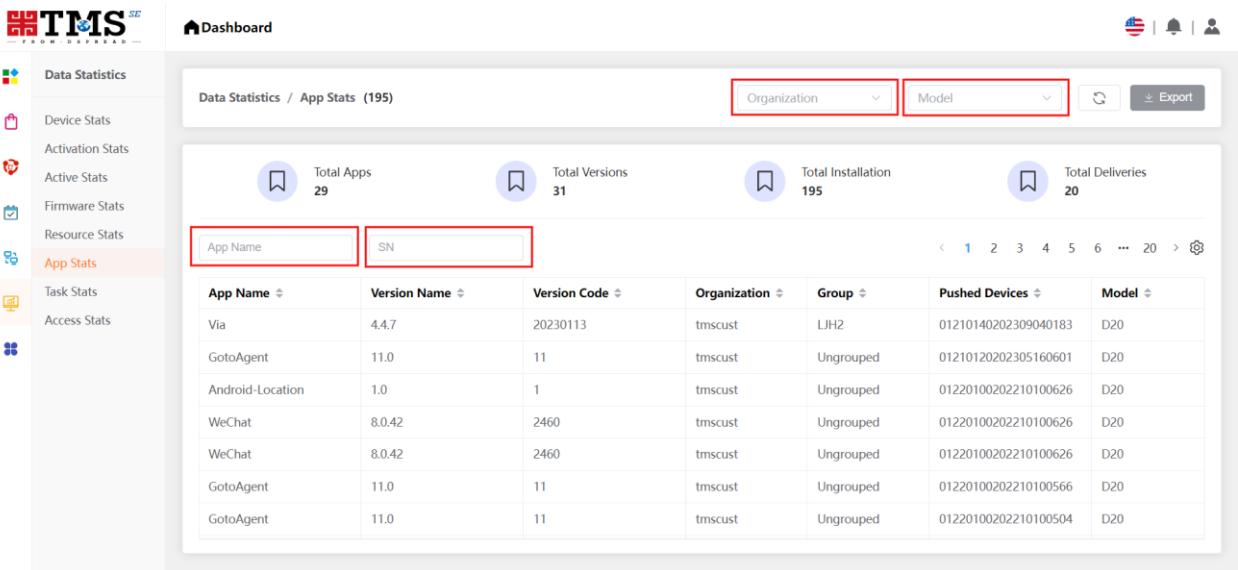
7.6.1 Application Data List

The screenshot shows the 'App Stats' section of the TMS dashboard. It includes the same summary metrics and search/filter controls as the previous screenshot. A large red box surrounds the main data table, which has an additional column for 'Pushed Devices' and 'Model'.

App Name	Version Name	Version Code	Organization	Group	Pushed Devices	Model
Via	4.4.7	20230113	tmscust	LJH2	01210140202309040183	D20
GotoAgent	11.0	11	tmscust	Ungrouped	01210120202305160601	D20
Android-Location	1.0	1	tmscust	Ungrouped	01220100202210100626	D20
WeChat	8.0.42	2460	tmscust	Ungrouped	01220100202210100626	D20
WeChat	8.0.42	2460	tmscust	Ungrouped	01220100202210100626	D20
GotoAgent	11.0	11	tmscust	Ungrouped	01220100202210100566	D20
GotoAgent	11.0	11	tmscust	Ungrouped	01220100202210100504	D20

- After entering the application data page, you can view the application data information that the application task pushed by the current organization has been successfully delivered to the device.
- At the top of the page, you can see the total number of apps, the total number of versions, the number of installs, and the number of devices reached.
- You can view the detailed information of the application at the bottom of the page, including the application name, version, organization, push device, and adaptation information.

7.6.2 Query data



App Name	Version Name	Version Code	Organization	Group	Pushed Devices	Model
Via	4.4.7	20230113	tmscust	LJH2	01210140202309040183	D20
GotoAgent	11.0	11	tmscust	Ungrouped	01210120202305160601	D20
Android-Location	1.0	1	tmscust	Ungrouped	01220100202210100626	D20
WeChat	8.0.42	2460	tmscust	Ungrouped	01220100202210100626	D20
WeChat	8.0.42	2460	tmscust	Ungrouped	01220100202210100626	D20
GotoAgent	11.0	11	tmscust	Ungrouped	01220100202210100566	D20
GotoAgent	11.0	11	tmscust	Ungrouped	01220100202210100504	D20

1. At the top of the interface, find the institution search box and the model search box respectively; On the left side of the page, find the app name search box and device number search box.
2. Select the keywords that you want to query based on the keywords displayed in the Organization drop-down list and the Model drop-down list. You can select a single conditional query or a federated query with multiple criteria.
3. You can enter the name of the application to be queried in the application name search box, and click enter to search. You can also enter the device number to be queried in the device number search box, and click enter to query. Enter the search box to jointly search with the drop-down box.

7.6.3 Export Application Data

Find the "Export" button in the upper right corner of the page , and click it to export all the app data displayed in the current search results to an excel sheet.

Data Statistics / Firmware Stats (239)

Total Firmwares: 46 | Total Versions: 41 | Total Installation: 239 | Total Deliveries: 18

Firmware Name	Version	Organization	Group	Pushed Devices	Compatible Model	Time of Installation
BASE_D20-MQ_Dukka_...	587*	tmscust	LJH2	01210140202309040296	BASE	2024-07-24T16:56:
BASE_D20-MQ_Dukka_...	587*	tmscust	LJH2	01210140202309040296	BASE	2024-07-24T16:50:
BASE_D20-MQ_Dukka_...	20240723191702	tmscust	LJH2	01210140202309040183	BASE	2024-07-24T16:31:
BASE_D20-MQ_Dukka_AP	20240723191459	tmscust	LJH2	01210140202309040296	BASE	2024-07-24T15:51:
BASE_D20-MQ_Dukka_SP	280*	tmscust	LJH2	01210140202309040296	BASE	2024-07-24T15:44:
BASE_D20-MQ_Dukka_SP	280*	tmscust	LJH2	01210140202309040183	BASE	2024-07-24T15:42:
BASE_D20-MT_Dukka_SP	435.20.136.39	tmscust	Ungrouped	01210120202305160601	BASE	2024-07-24T10:22:

7.7 Task Data

1. Click the 【Data Statistics】 -> 【Task Stats】 button on the left menu bar to enter the task data page.

Data Statistics / Task Stats (1399)

Total Tasks: 2099 | Total Firmware Tasks: 749 | Total App Tasks: 618 | Total Resources: 355 | Total Deliveries: 28

Task Name	Object	Version	Type	Organization	Group	Pushed Devices
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP	Firmware	tmscust	LJH2	01210140202309040183
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP	Firmware	tmscust	LJH2	01210140202309040296
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP	Firmware	tmscust	LJH2	01210140202309040183
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP	Firmware	tmscust	LJH2	01210140202309040296
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP	Firmware	tmscust	LJH2	01210140202309040183
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP	Firmware	tmscust	LJH2	01210140202309040296
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP	Firmware	tmscust	LJH2	01210140202309040183

2. Find the icon in the upper right corner of the page , and click it to change the number of data bars displayed in pagination; You can also modify the displayed list header.

The screenshot shows the LarkTMS interface with the 'Task Stats' section selected. At the top, there are five summary metrics: Total Tasks (2099), Total Firmware Tasks (749), Total App Tasks (618), Total Resources (355), and Total Deliveries (28). Below these are two search input fields: 'Task Name' and 'SN'. To the right of the table, there is a pagination control with pages 1 through 140 and a red box highlighting the 'Number of' dropdown set to 10, along with buttons for 25 and 50. A red box also highlights the 'Pushed Devices' column header in the table. The table lists multiple rows of task data, each with columns for Task Name, Object, Version, Type, Organization, Group, and Pushed Devices.

7.7.1 Task Data List

This screenshot is identical to the one above, showing the Task Data List page. A large red box surrounds the entire table area, emphasizing the data grid where users can view detailed task information across various columns.

- After entering the task data page, you can view the task data information of all types of tasks successfully pushed by the current organization to the device.
- You can view the total number of tasks, the total number of firmware tasks, the total number of application tasks, the total number of resource tasks, and the number of devices reached at the top of the page.
- You can view the detailed information of the task at the bottom of the page, including the task name, task object, task type, version, organization, push device, and adaptation information.

7.7.2 Query Data

Task Name	Object	Version	Type	Organization	Group	Pushed Devices
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP	Firmware	tmscust	LJH2	01210140202309040183
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP	Firmware	tmscust	LJH2	01210140202309040296
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP	Firmware	tmscust	LJH2	01210140202309040183
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP	Firmware	tmscust	LJH2	01210140202309040296
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP	Firmware	tmscust	LJH2	01210140202309040183
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP	Firmware	tmscust	LJH2	01210140202309040296
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP	Firmware	tmscust	LJH2	01210140202309040183

- At the top of the interface, find the institution search box and the model search box respectively; On the left side of the page, find the task name search box and device number search box.
- Select the keywords that you want to query based on the keywords displayed in the Organization drop-down list and the Model drop-down list. You can select a single conditional query or a federated query with multiple criteria.
- You can enter the name of the task to be queried in the task name search box, and click Enter to search. You can also enter the device number to be queried in the device number search box, and click enter to query. Enter the search box to jointly search with the drop-down box.

7.7.3 Export task data

Find the "Export" button in the upper right corner of the page , and click it to export all the task data displayed in the current search results to an excel sheet.

Data Statistics / Task Stats (1399)

Total Tasks: 2099 | Total Firmware Tasks: 749 | Total App Tasks: 618 | Total Resources: 355 | Total Deliveries: 28

Task Name	Object	Version	Type	Organization	Group	Pushed Devices
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka.d...	SP	Firmware	tmscust	LJH2	01210140202309040183
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka.d...	SP	Firmware	tmscust	LJH2	01210140202309040296
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka.d...	SP	Firmware	tmscust	LJH2	01210140202309040183
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka.d...	SP	Firmware	tmscust	LJH2	01210140202309040296
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka.d...	SP	Firmware	tmscust	LJH2	01210140202309040183
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka.d...	SP	Firmware	tmscust	LJH2	01210140202309040296
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka.d...	SP	Firmware	tmscust	LJH2	01210140202309040183

7.8 Access to Data

Click the 【Data Statistics】 -> 【Access Stats】 button on the left menu bar to enter the access data page.

Data Statistics / Access Stats

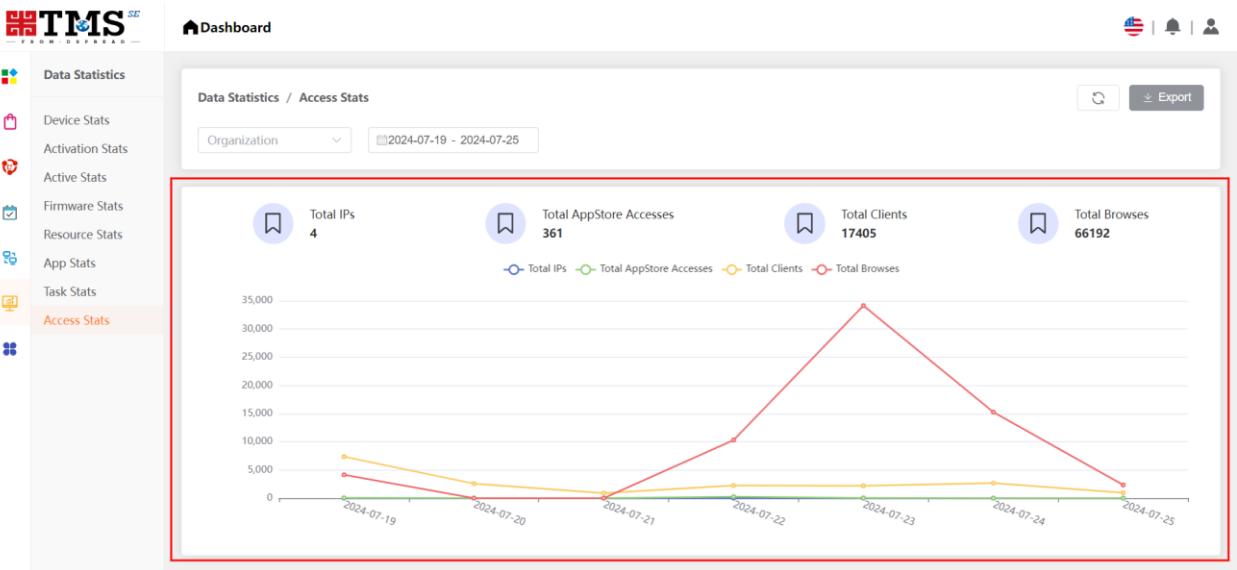
Organization: 2024-07-19 - 2024-07-25

Total IPs: 4 | Total AppStore Accesses: 361 | Total Clients: 17405 | Total Browses: 66192

Line Chart (2024-07-19 to 2024-07-25):

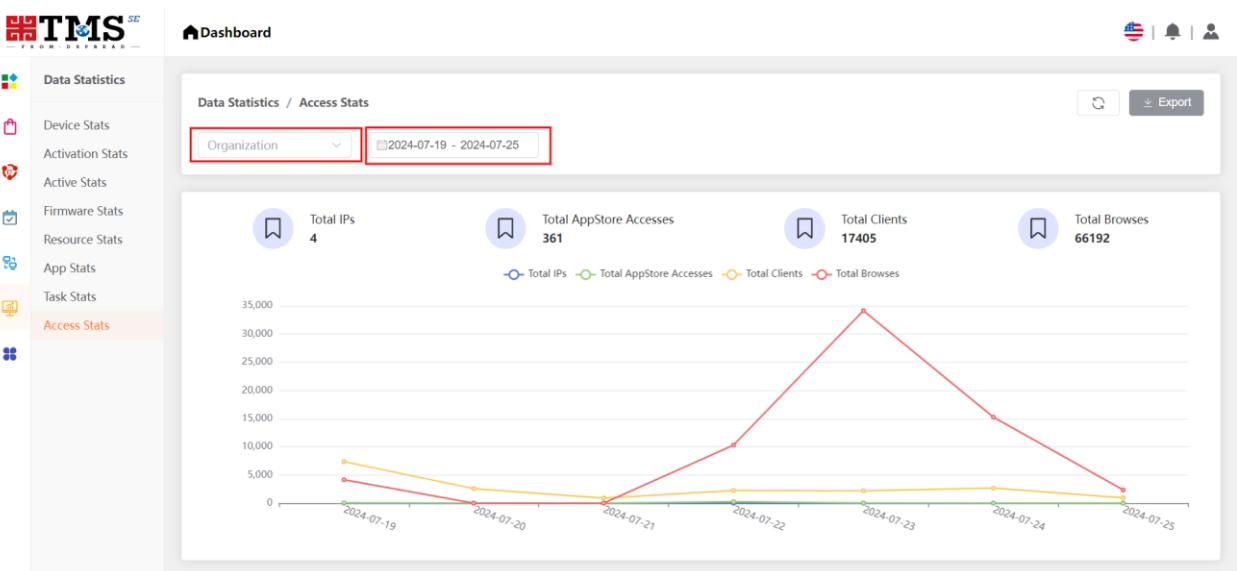
- Total IPs (Blue Line): Decreased from ~4 to ~2
- Total AppStore Accesses (Green Line): Remained flat at 361
- Total Clients (Yellow Line): Remained flat at 17405
- Total Browses (Red Line): Increased from ~4000 to a peak of ~32000 on July 22nd, then decreased to ~20000 by July 25th

7.8.1 Access the data line chart



After entering the Access Data page, you can view the data information of all devices within the specified range in the previous 180 days of the current organization, as well as the data information of the website and IP address.

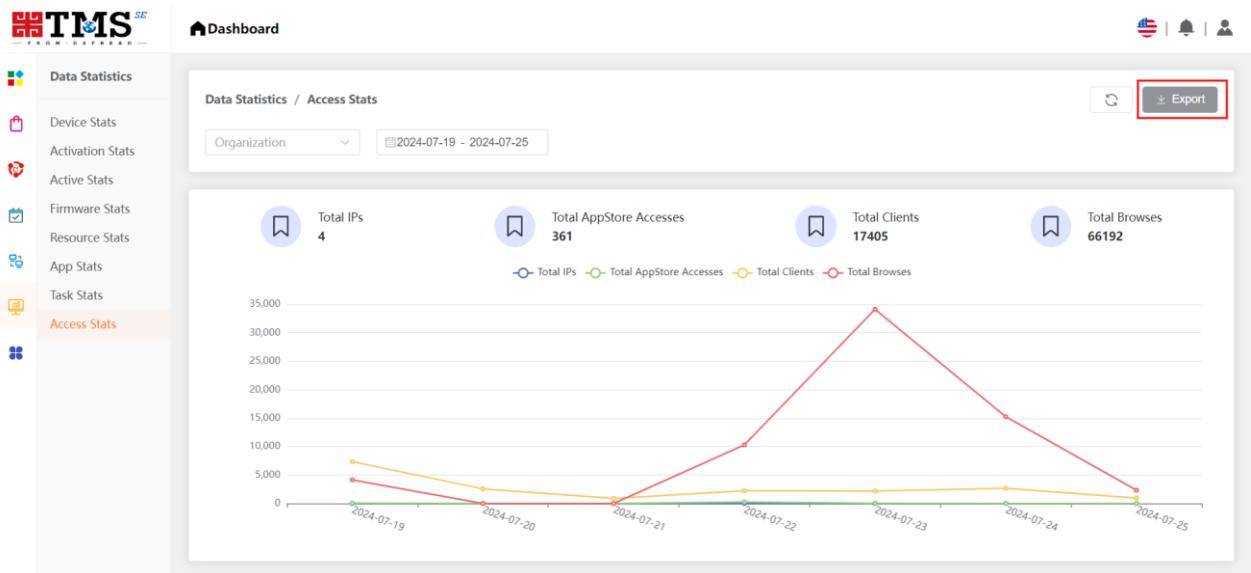
7.8.2 Query Data



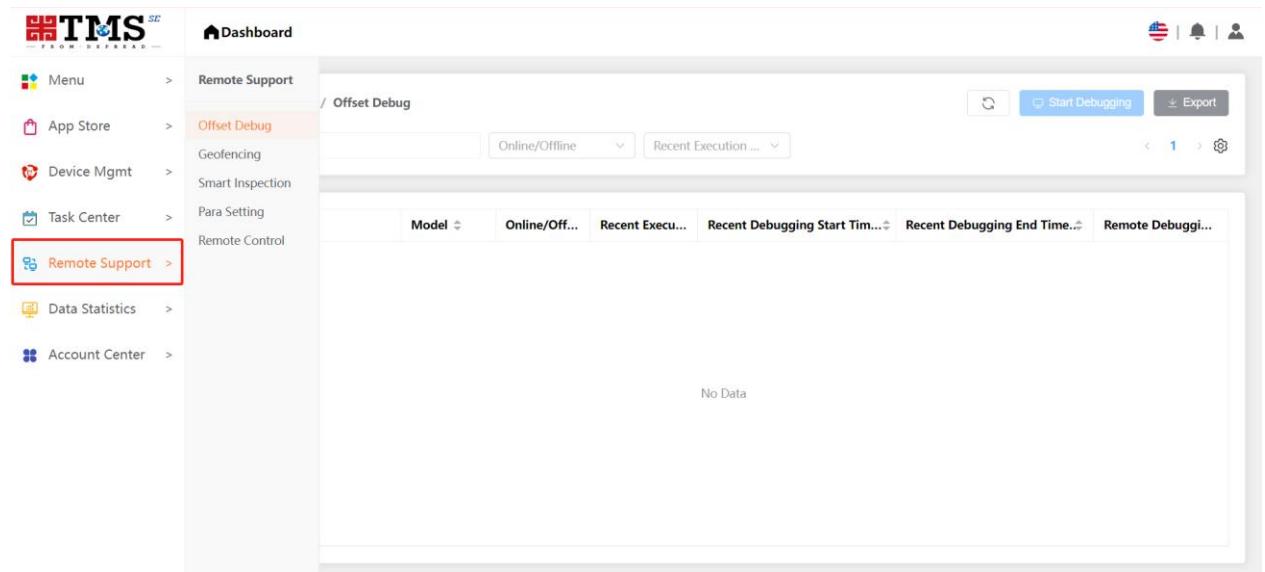
- At the top of the activation data interface, find the organization search box and the date selection box.
- Select the keywords that you want to query based on the keywords displayed in the search drop-down box. You can select a single conditional query or a federated query with multiple criteria.
- You can use the date selection box to select access data within the date range that you want to query. You can combine the query with the organization search box.

7.8.3 Export Access Data

Find the "Export" button in the upper right corner of the page , and click it to export all the access data displayed in the current search results to an excel sheet.



8. Remote collaboration

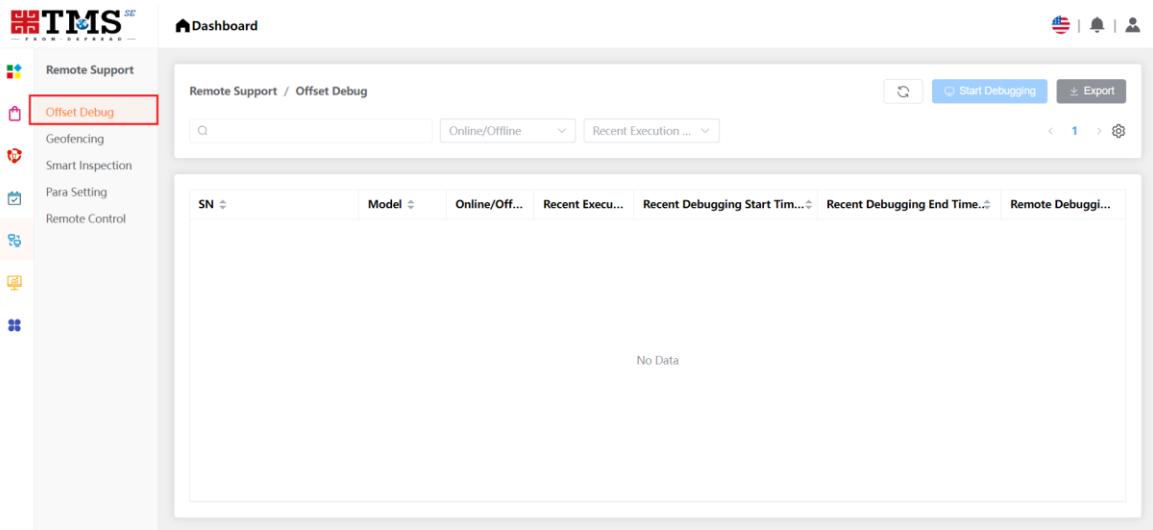


Click the 【Remote Support】 button to enter Remote collaboration page.

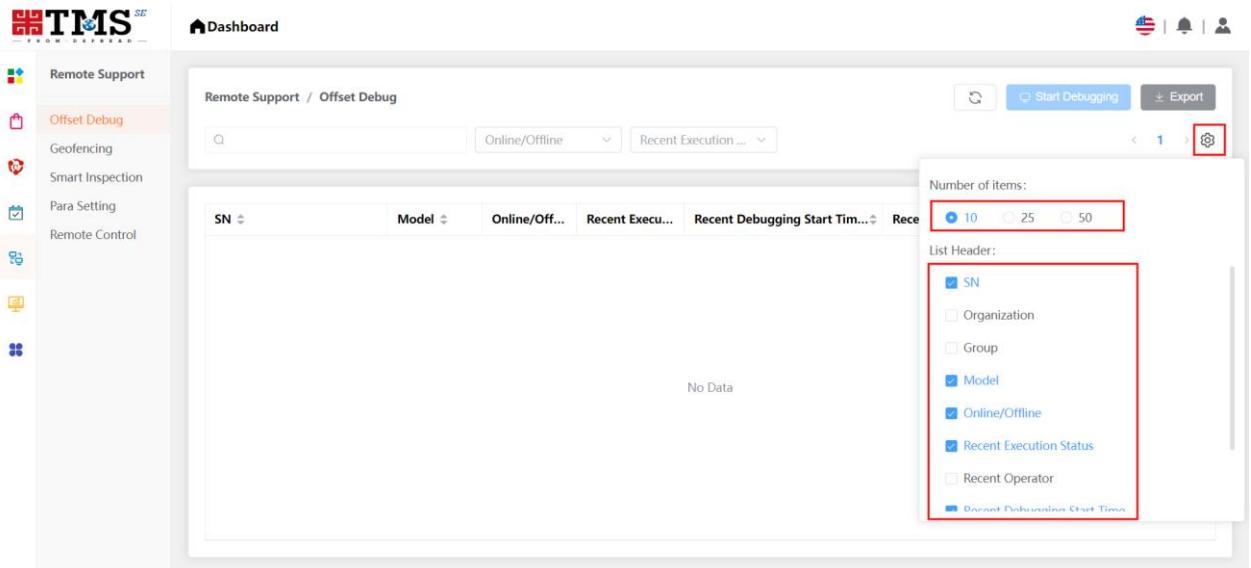
8.1 Remote debugging

1.By clicking the 【Remote Support】->【Offset Debug】button to enter Remote debugging page.

clause 147page



2. Find it in the upper right corner of the page  icon, click to Change the paging display The number of data items; you can also modify the displayed list surface head.



8.1.1 Remote debugging list

SN	Model	Online/Off...	Recent Execu...	Recent Debugging Start Tim...	Recent Debugging End Time...	Remote Debuggi...
01210140202309040865	D20	Online	Stopped	2024-08-08T16:22:24+08:00	2024-08-08T16:28:59+08:00	179

Enter Remote debugging page, you can view the current organization Down **Open Remote debugging** of Device information.

8.1.1.1 Download debug software

If you do not find the device you want to debug remotely on the page, you need to first by Next steps:

a. In TMS Operation on the system:

- exist TMS System 【My Apps】 page, add “GotoAgent” application.



- Enter 【Task center】 -> 【OTA】 page, push the application to the device that needs to enable remote debugging
- After the device is installed, the device information can be displayed on the remote debugging page and can enable remote debugging.

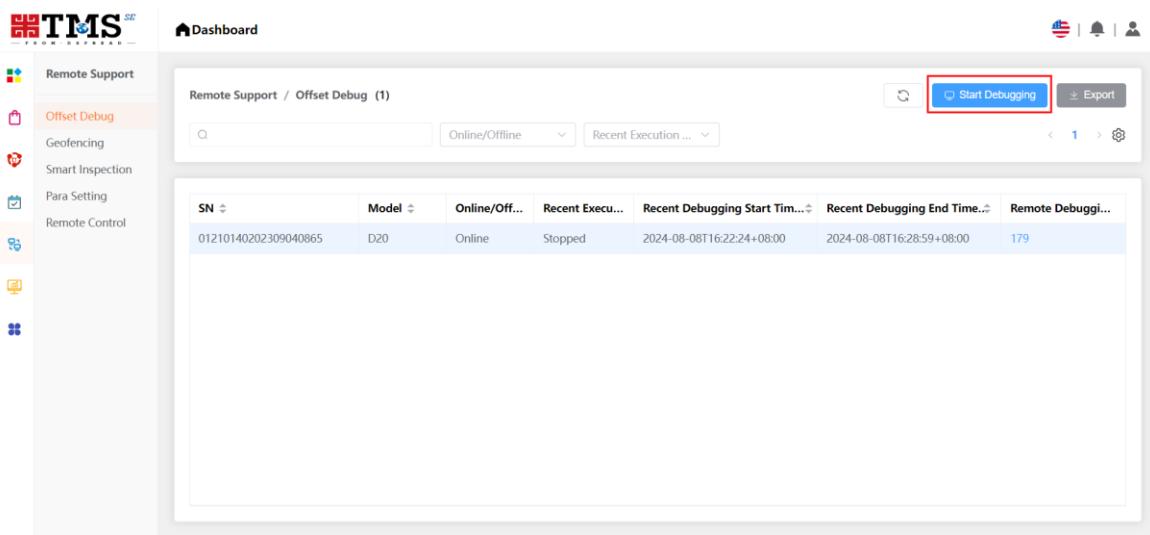
b. exist device on operation:

1. Open the “AppStore” application, find “GotoAgent” application, click to download



2. After the installation is complete, the device information can be displayed on the remote debugging page, and can enable remote debugging.

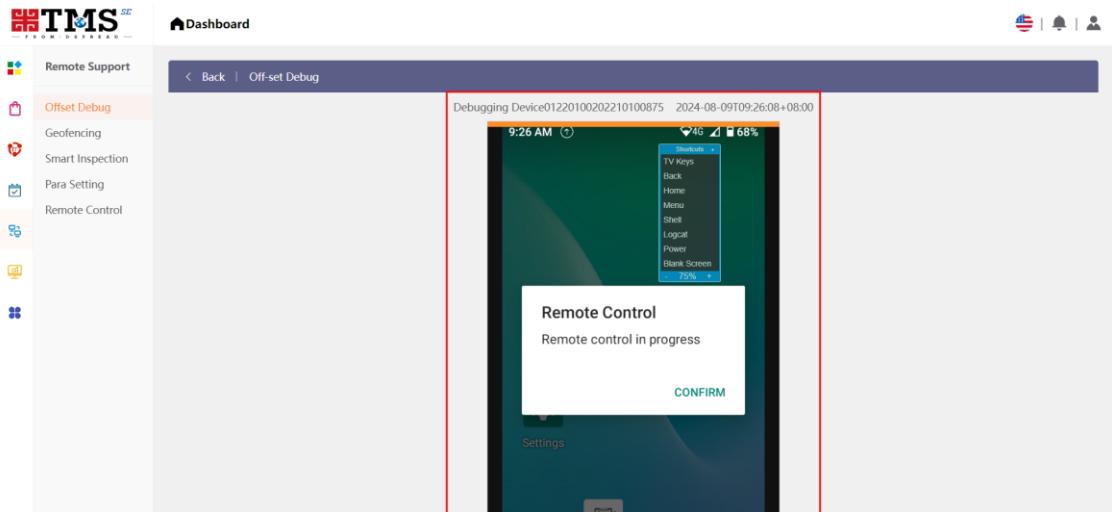
8.1.2 Enable remote debugging



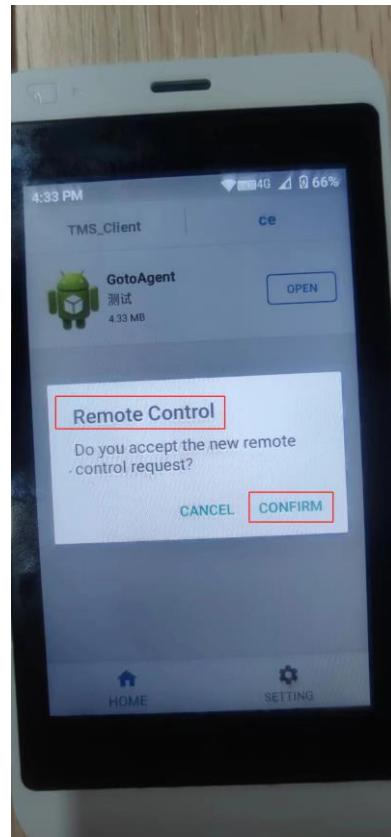
The screenshot shows the LarkTMS web interface. On the left is a sidebar with icons for Remote Support, Offset Debug (which is highlighted in orange), Geofencing, Smart Inspection, Para Setting, and Remote Control. The main area is titled "Offset Debug (1)". It contains a search bar, filters for "Online/Offline" and "Recent Execution ...", and a table with one row of data. The table columns are: SN, Model, Online/Off..., Recent Execu..., Recent Debugging Start Tim..., Recent Debugging End Tim..., and Remote Debuggi... . The data row shows: 01210140202309040865, D20, Online, Stopped, 2024-08-08T16:22:24+08:00, 2024-08-08T16:28:59+08:00, and 179. A blue button labeled "Start Debugging" is visible at the top right of the table area. The entire screenshot is framed by a light gray border.

1. Select the device that needs remote debugging and find the “Start Debugging” Button,

 Start Debugging click to enterRemote debugging interface.

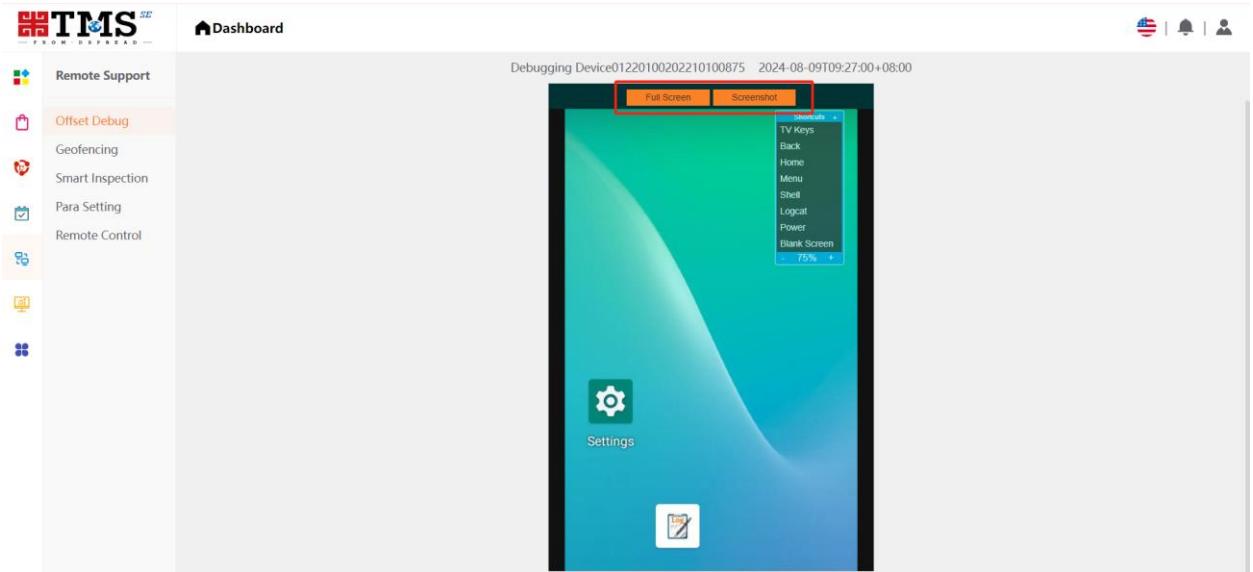


2. After clicking the button, the device will prompt “Remote Control”information, click “CONFIRM” to successfully start remote debugging.



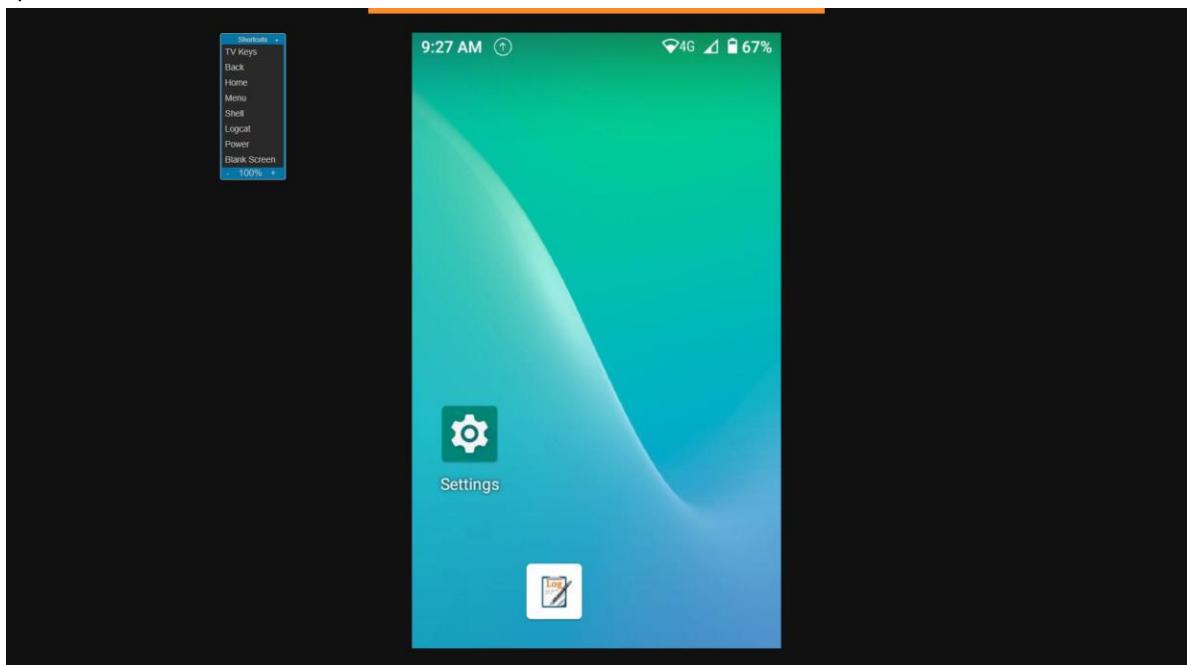
3. After successful opening, the device can be controlled on the TMS system by simulating finger sliding with the mouse and clicking shortcut keys.

8.1.3 Remote debugging page Function

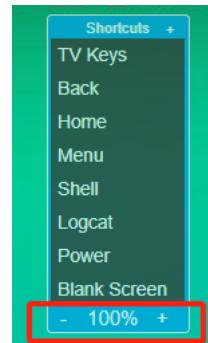


After successfully starting remote debugging, you can display the full screen and take screen shots of the device interface

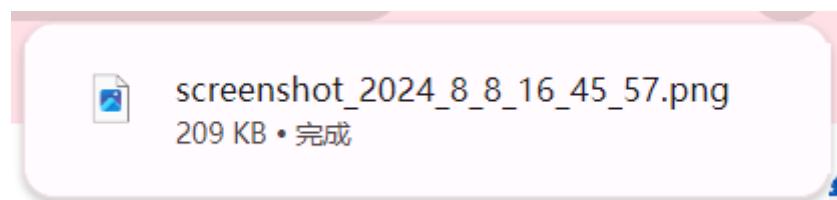
1. Open full screen effect as shown below:



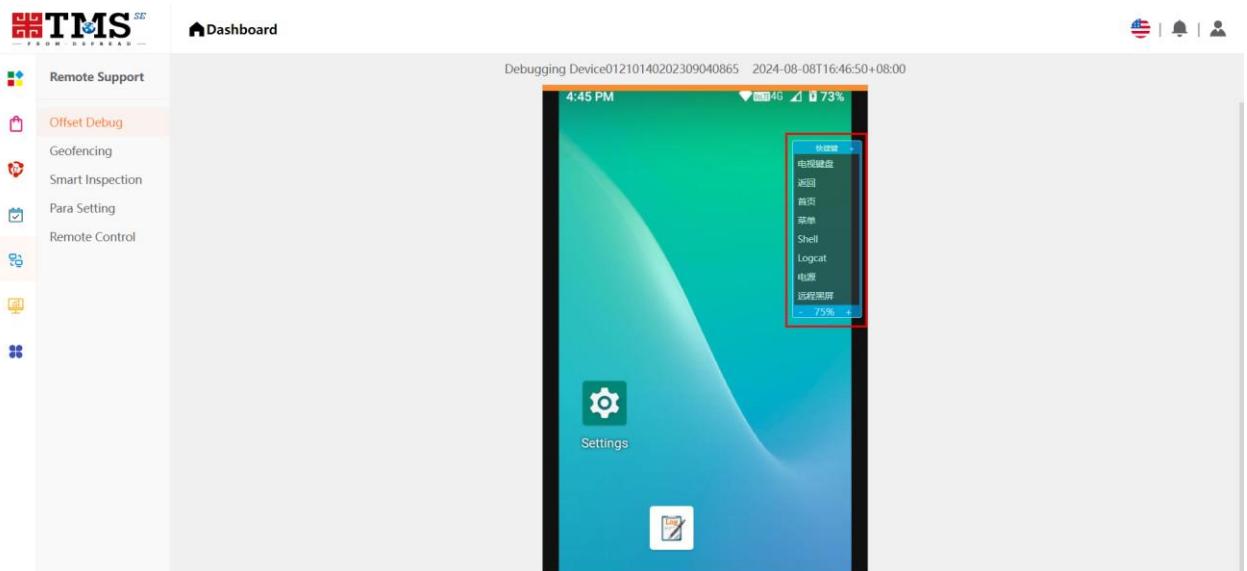
Note:Please adjust the resolution to an appropriate size after exiting full screen.



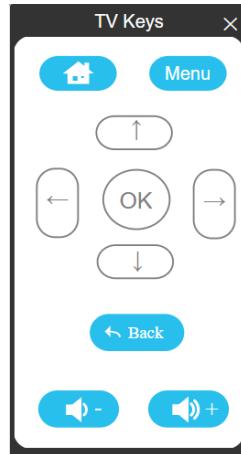
- Click on the screen shot to open the browser automatic create a download task, the download content is the device interface screenshot.



8.1.4 Remote debugging device function

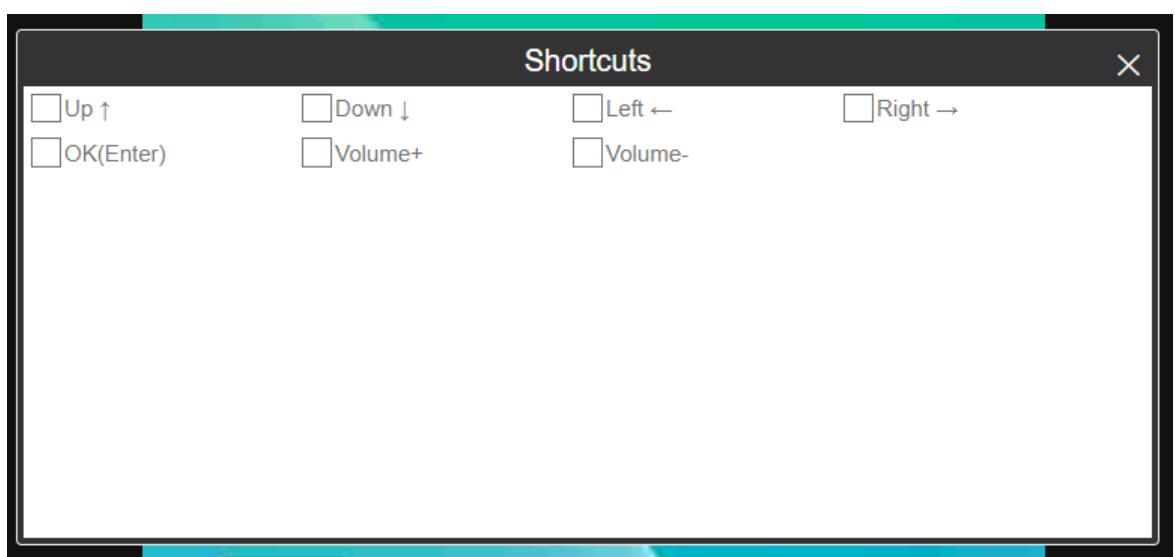


- After remote debugging is successfully started, a shortcut key suspension box will be displayed on the page, which can be used to simulate the operation of the device, including TV keyboard, back, home page, menu, Shell, Logcat, power supply, remote black screen, change resolution and other functions. The functions are described as follows:
 - TV keyboard:** After clicking, a TV keyboard will be displayed on the page. The device can be operated by the buttons on the TV keyboard.



- **Return:** Click to return to the previous level on the device, clicking the back button twice will light up the screen.
- **Front page:** After clicking, the device will return to the desktop.
- **Menu:** Clicking it will open the menu bar.
- **Shell:** Click on it and you will Open the terminal interface and you can shell programming.
- **Logcat:** Clicking it will open the system log.
- **Power supply:** The clicking effect is the same as the device power button.
- **Remote black screen:** After clicking, the device will turn to black screen.
- **Change the resolution:** At the bottom of the shortcut keys, click "+"、"-" symbol adjusts the device's resolution size on the page.

2. In addition, you can also click the "+"  Open the Add Shortcut Keys interface, where you can check the required shortcut keys to the page.



3. Click the "Back" button to cancel remote debugging.

8.1.5 Remote debugging frequency

SN	Model	Online/Offline	Recent Execution Status	Remote Debugging Count
012101402023090408...	D20	Online	Stopped	180

- Find the page list "Remote Debugging Count" column, click the number of the device whose debugging times you want to view.
- After clicking, in the pop-up debug log, you can view when and by which organization the device was debugged.Over debugging.

Operator	Debugging Start Time	Debugging End Time	Debugging Dur...	Description
WeiJY	2024-08-08T16:33:27+08:00	2024-08-08T17:03:23+08:00	0H29M55S	
WeiJY	2024-08-08T16:22:24+08:00	2024-08-08T16:28:59+08:00	0H6M35S	
tmscust	2024-07-30T18:44:01+08:00	2024-08-07T09:37:59+08:00	182H53M57S	Disconnecting remote deb...
tmscust	2024-07-30T18:44:01+08:00	2024-08-08T15:29:24+08:00	212H45M23S	Disconnecting remote deb...
tmscust	2024-07-30T18:44:01+08:00	2024-08-08T15:30:14+08:00	212H46M13S	Disconnecting remote deb...
tmscust	2024-07-30T18:44:01+08:00	2024-08-08T09:40:38+08:00	206H56M36S	Disconnecting remote deb...
tmscust	2024-07-30T18:44:01+08:00	2024-08-08T15:35:51+08:00	212H51M50S	Disconnecting remote deb...
tmscust	2024-07-30T18:44:01+08:00	2024-07-31T04:27:58+08:00	9H43M57S	Disconnecting remote deb...
tmscust	2024-07-30T18:44:01+08:00	2024-08-07T10:08:51+08:00	183H24M50S	Disconnecting remote deb...
tmscust	2024-07-30T18:44:01+08:00	2024-08-08T10:45:13+08:00	208H1M12S	Disconnecting remote deb...

8.1.6Query debugging device

SN	Model	Online/Offline	Recent Execut...	Recent Debugging Start ...	Recent Debugging End Tim...	Remote Debuggin...
012101402023090408...	D20	Online	Stopped	2024-08-08T16:33:27+08:00	2024-08-08T17:03:23+08:00	180

1. Locate the search box, debug status search box, and Recent Execution status search box in the upper part of the page.

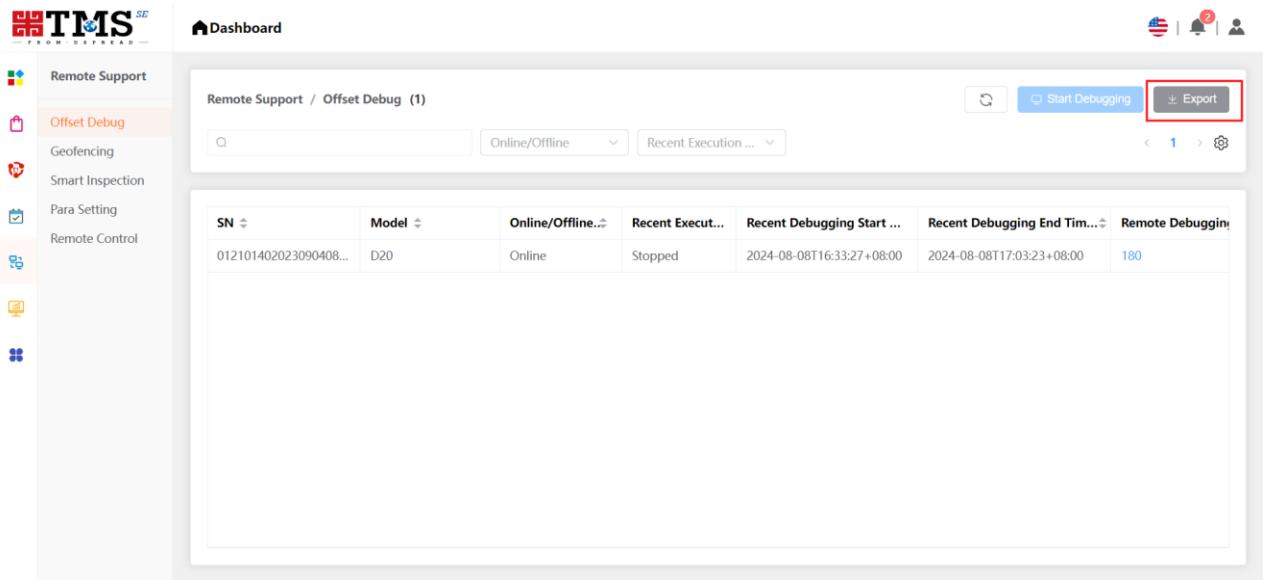
2. Select the field to be queried based on the keyword displayed in the search drop-down list. You can select a single search criteria or multiple search criteria, and you can join with other search boxes.

Debugging Start ...	Recent Debugging End Tim...	Remote Debuggin...
8-08T16:33:27+08:00	2024-08-08T17:03:23+08:00	180

8.1.7Export Debugging device

Export

In the upper right corner of the page, find the “Export” Button, after clicking all the current search results will be displayed Debugging device export to excel.



SN	Model	Online/Offline	Recent Execut...	Recent Debugging Start ...	Recent Debugging End Tim...	Remote Debuggin...
012101402023090408...	D20	Online	Stopped	2024-08-08T16:33:27 +08:00	2024-08-08T17:03:23 +08:00	180

Frequently Asked Questions

If you encounter any difficulties or doubts during use, here are some possible answers for reference:

Q: How do I access my account?

A: You will need to contact your vendor or service provider to obtain an account number

Q: How do I know if my device has been successfully added to the system?

A: When you successfully add the device, you will see a green "success" message at the top of the page

Q: How do I know if my device is activated?

A: When your device is added and connected to the network, the device will be automatically activated

Q: What is the SN number?

A: SN refers to the 20-digit unique serial number on the back of the handheld terminal device

Q: What causes push failures?

A: This may be due to the current poor network conditions, which causes the server to fail to receive your push request. To solve this problem, we recommend that you try to push the details again, or wait for a period of time until the server responds stably before pushing

Q: What is an organization?

A: It's a subordinate branch of your management devices. By setting up different

organizations, you can achieve hierarchical, structured and efficient management of your device

Q: How do I know if the task I pushed succeeded or failed?

A: You can log in to the LARKTMS system and view the task list in the "Push Task" module, and the status of "Completed" means that the task you pushed this time is successful

Q: What should I do if I regret it after the push is successful?

A: If you find that you need to cancel the content after the push is successful, we are sorry, but we cannot directly withdraw the content that has been pushed. However, you can downgrade to some extent, but Note that this is limited to the SP version, and cannot be recalled or downgraded for other formats of files or content. Therefore, please be cautious when performing each push task and ensure that the content is correct before pushing

Q: What should I do if a push task expires?

A: Once a task expires, you will not be able to continue updating the task. To resolve this issue, it is recommended that you create a new task and perform the push again. It is important to Note that the push is completed in time within the validity period of the task to avoid missing the opportunity and causing the task to become invalid

Q: I have already added the device, why is it not displayed on the LARKTMS?

A: This may be due to network connection issues or server latency that prevents you from receiving updates in a timely manner. When you add a new device, it should theoretically be displayed in real-time in the LARKTMS system. Please check whether your network connection is stable, and try to refresh the page to get the latest data to make sure the server is updated synchronously; If the problem is not resolved for a long time, we recommend that you contact technical support for further troubleshooting

Q: Where can I find and view the data and file storage I downloaded from the system?

A: Normally, when you download data in the system, the file will be automatically saved in the default download path of your computer, for example, the "Downloads" folder is usually the "Downloads" folder for Windows and the "Downloads" folder for Mac. You can directly find and open the downloaded file in the corresponding download directory to view or edit

Q: Why can some apps be deleted and some can't?

A: This difference stems from the different state management mechanisms of the application in the system. When an app is in the "Live" state, it mainly supports version updates and content pushes, while when the app is in the "Offline" state, deletion and content modification are allowed

Q: I want to push to a specific device, how do I do it?

A: Specify the SN number of a single device in the task center or push the specified device in Device Management

Q: I want to push to multiple devices, how do I do this?

A: You can download the import template provided by LARKTMS in the task center, fill in the SN number and model of multiple devices that you want to push, and import them into LARKTMS after confirming that they are correct