

# LarkTMS Tenant Role User Manual

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# 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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## **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.

Preface .....	III
1.Log in and out .....	1
1.1 Change password .....	2
1.2 Sign out .....	3
2.Workbench (Home) .....	3
2.1 Language switching .....	4
2.2. System notifications .....	4
2.3 Device statistics .....	5
2.4 Data Summary .....	6
2.5 Quick device screening.....	7
2.6 Additional Information.....	8
2.7 Devices Distributed .....	8
3.App Store .....	9
3.1 My Apps .....	10
3.1.1 New applications.....	10
3.1.2. Category Management.....	12
3.1.3. Boutique applications .....	13
3.1.4 List Mode.....	15
3.1.5 card mode .....	15
3.1.6 Listing Applications.....	16
3.1.7 Removal of Applications.....	17
3.1.8 Details.....	18
3.1.9 Historical release versions.....	21
3.1.10 historical download records .....	22
3.1.11 Historical Missions.....	23
3.1.12 Modify the application .....	23
3.1.13 Delete the app.....	25
3.1.14 Shared Apps .....	25
3.1.15 Pull Apps.....	27
4.Device Operations.....	29
4.1 Model management.....	29
4.1.1 Model Details .....	30
4.1.2 Search for models.....	31
4.1.3. Import the device.....	31
4.1.4. Export the device .....	33
4.2 Group management .....	33
4.2.1 Create a new group .....	35
4.2.2Create a new subgroup .....	35
4.2.3 Delete a group.....	36
4.2.4 Modify the group .....	36
4.2.5 Query grouping .....	37
4.2.6 Import devices.....	37

4.2.7. Export the current device in the group .....	39
4.2.8. Export grouping and sub-grouping devices.....	39
4.3 Device Management .....	40
4.3.1 Add new devices .....	41
4.3.2 Remove the device .....	42
4.3.3 Editing Devices .....	42
4.3.4 Query device .....	43
4.3.5 Disable/Enable the Device .....	44
4.3.6 Import Devices .....	45
4.3.7 Exporting Devices .....	46
4.3.8 Mobile Devices .....	47
4.4 Firmware Management.....	48
4.4.1 Add firmware.....	50
4.4.2 Remove the firmware.....	51
4.4.3 Modify the firmware .....	52
4.4.4 Query firmware .....	53
4.4.5 Listed firmware.....	53
4.4.6 Deactivate the firmware.....	54
4.4.7 Shared firmware .....	54
4.4.8 Upgrade the firmware .....	55
4.4.9 Details.....	56
4.4.10 Historical release versions.....	58
4.4.11. Historical upload records .....	59
4.4.12 historical tasks .....	60
4.5 Resource Management .....	61
4.5.1 Add resources.....	62
4.5.2 Delete Resources.....	64
4.5.3 Modify Resources .....	64
4.5.4 Query resources .....	65
4.5.5 Listing Resources .....	66
4.5.6 Delisting Resources .....	66
4.5.7 Shared Resources .....	67
4.5.8 Upgrade Resources.....	68
4.5.9 Details.....	69
4.5.10 Historical release versions.....	71
4.5.11. Historical upload records .....	71
4.5.12 Historical Tasks .....	73
5.System administration .....	74
5.1 Account Management.....	74
5.1.1 Add an account .....	75
5.1.2 Delete Account .....	76
5.1.3 Editing Devices .....	76
5.1.4 Query account .....	77
5.1.5 Reset password .....	78

5.1.6 Disabling/Enabling Accounts.....	79
5.2 Institutional Management .....	79
5.2.1 List of Institutions.....	80
5.2.2 Institutional Details .....	80
5.2.3 Creation of Institutions .....	81
5.2.4 Create sub-organizations.....	82
5.2.5 Deletion of institutions.....	83
5.2.6 Editorial Agencies.....	84
5.2.7 Inquiry Agency.....	85
5.3 Role Management.....	86
5.3.1 New Characters .....	87
5.3.2 Role Details.....	88
5.3.3 Delete Roles .....	89
5.3.4 Query roles.....	89
5.3.5 Modify Roles.....	90
5.3.6 Assign roles.....	91
5.3.7 Management Roles .....	92
5.4 Notification Management .....	93
5.4.1 Add notifications .....	94
5.4.2 Deletion Notice .....	96
5.4.3 Notice of Modification .....	96
5.4.4 Query Notifications .....	97
5.4.5 Notification Details.....	98
5.4.6 Publication Notice .....	99
5.5 Log Management .....	99
5.5.1 Log list .....	101
5.5.2 Query logs .....	101
6. Mission Center .....	102
6.1 Push Tasks .....	102
6.1.1 Add a task (single). .....	104
6.1.2 New Tasks (Multiple).....	106
6.1.3 Cancel the task .....	109
6.1.4 Delete the task .....	109
6.1.5 Query tasks.....	110
6.1.6 Details.....	110
6.1.7 Device List .....	111
6.1.8 Export Tasks.....	115
6.2 Orchestrate tasks.....	115
6.2.1 New Orchestration Task (Single) .....	117
6.2.2 New Orchestration Tasks (Multiple Units).....	120
6.2.3 Cancel the orchestration task.....	123
6.2.4 Delete the orchestration task.....	124
6.2.5 Query orchestration tasks .....	124
6.2.6 Details.....	125

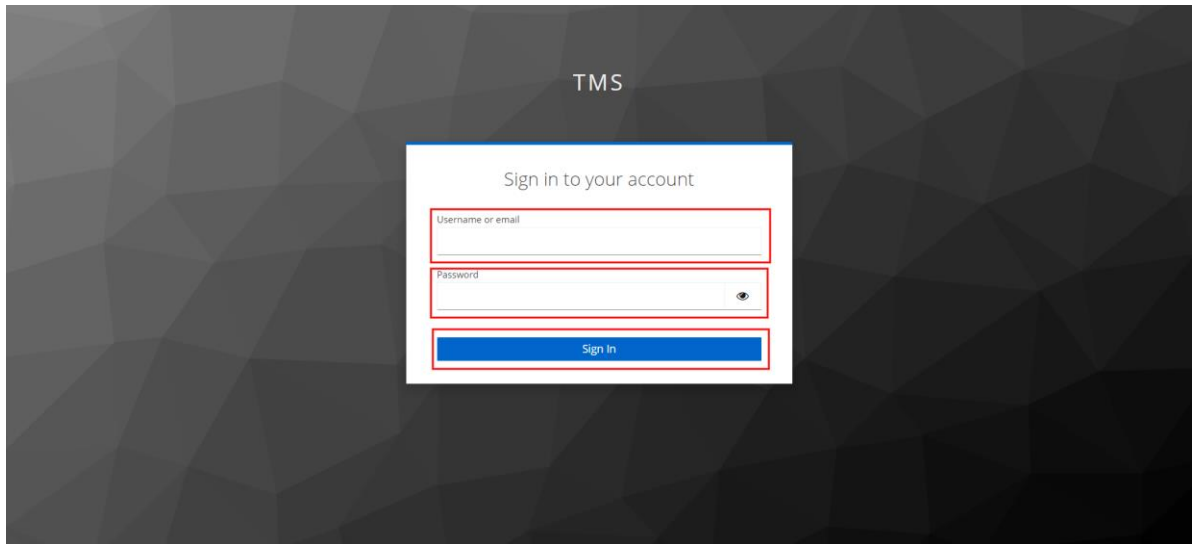
7. Data Centers.....	127
7.1 Device Data .....	127
7.1.1 Device Data List .....	128
7.1.2 Query data.....	129
7.1.3 Export device data.....	129
7.2 Activation Data .....	130
7.2.1 Activate the data line chart .....	130
7.2.2 Query Data .....	131
7.2.3 Export Activation Data .....	131
7.3 Active Data .....	132
7.3.1 Active Data Line Chart.....	132
7.3.2 Query Data .....	133
7.3.3 Export active data .....	133
7.4 Firmware Data.....	134
7.4.1 Firmware Data List.....	135
7.4.2 Query Data .....	135
7.4.3 Export firmware data .....	136
7.5 Resource Data .....	136
7.5.1 Resource Data List .....	137
7.5.2 Query data.....	138
7.5.3 Export resource data .....	138
7.6 Application Data .....	139
7.6.1 Application Data List.....	140
7.6.2 Query data.....	141
7.6.3 Export Application Data .....	141
7.7 Task Data .....	142
7.7.1 Task Data List .....	143
7.7.2 Query Data .....	144
7.7.3 Export task data .....	144
7.8 Access to Data .....	145
7.8.1 Access the data line chart .....	146
7.8.2 Query Data .....	146
7.8.3 Export Access Data .....	147
8.Remote collaboration.....	147
8.1Remote debugging .....	147
8.1.1Remote debugging list .....	149
8.1.2Enable remote debugging.....	150
8.1.3Remote debugging page Function .....	152
8.1.4Remote debugging device function .....	153
8.1.5Remote debugging frequency.....	155
8.1.6Query debugging device .....	156
8.1.7ExportDebugging device .....	156
Frequently Asked Questions .....	157



# 1.Log in and out

Login process, follow these steps:

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



2. Fill in the login information:

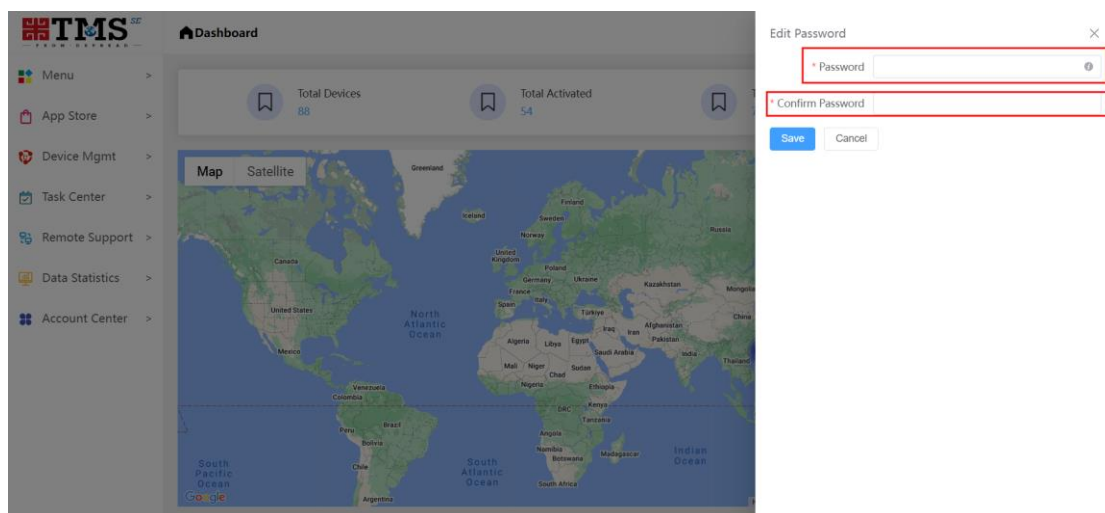
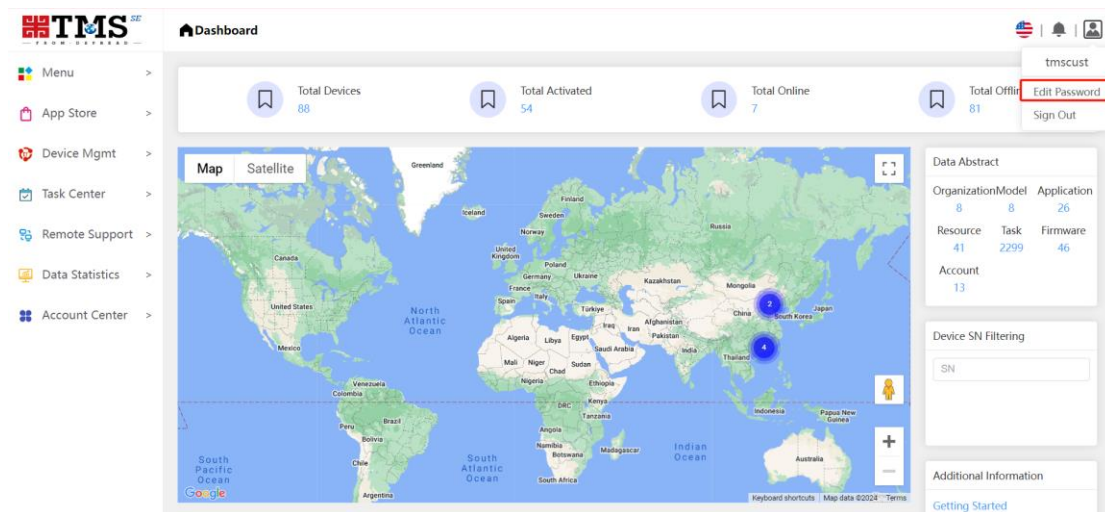
Follow the prompts to enter your account password (the account may be a username or email address).


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

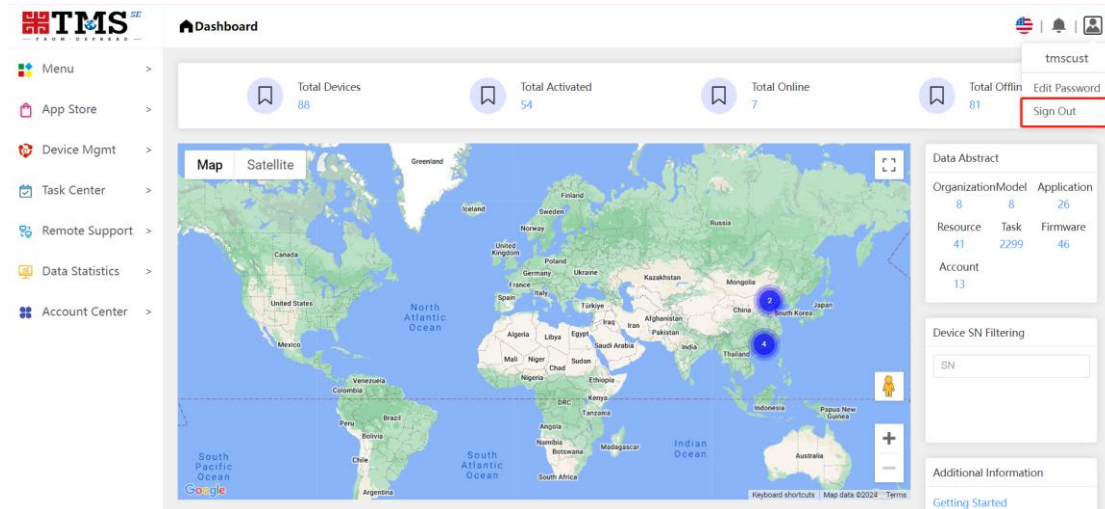


1. After logging in successfully, find the icon in the upper right corner of the Home , click the "Edit Password" option, and enter the password change interface:

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

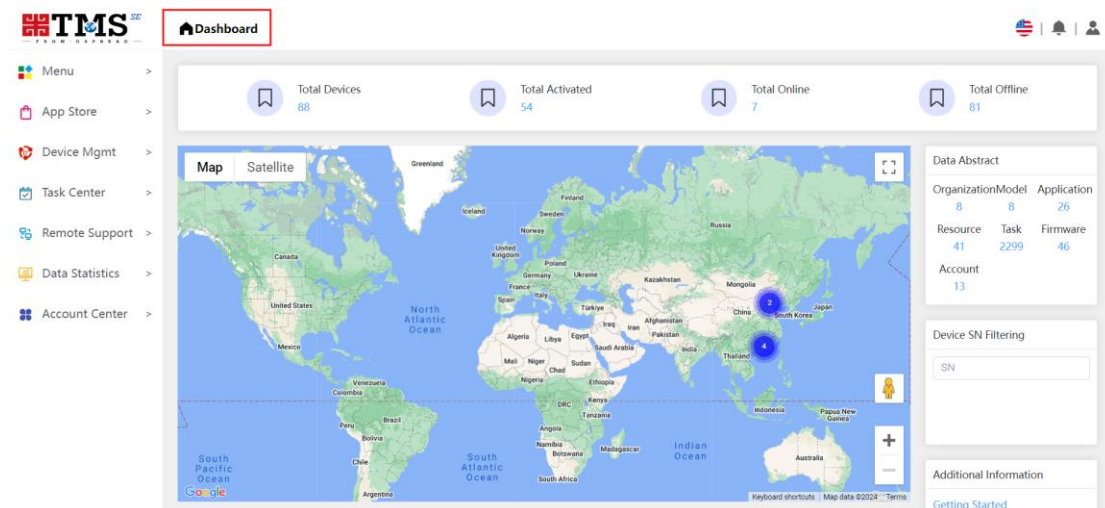
2. Click "Save".


## 1.2 Sign out



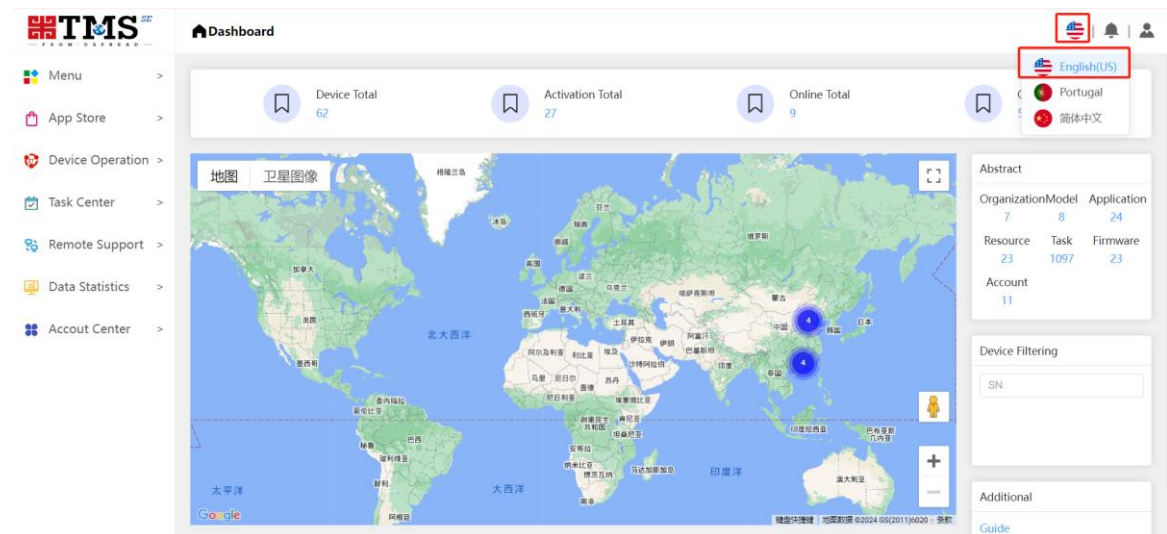
After logging in successfully, find the personal center in the upper right corner of the Home and click the "Sign out" option to log out of the system.

## 2. Workbench (Home)



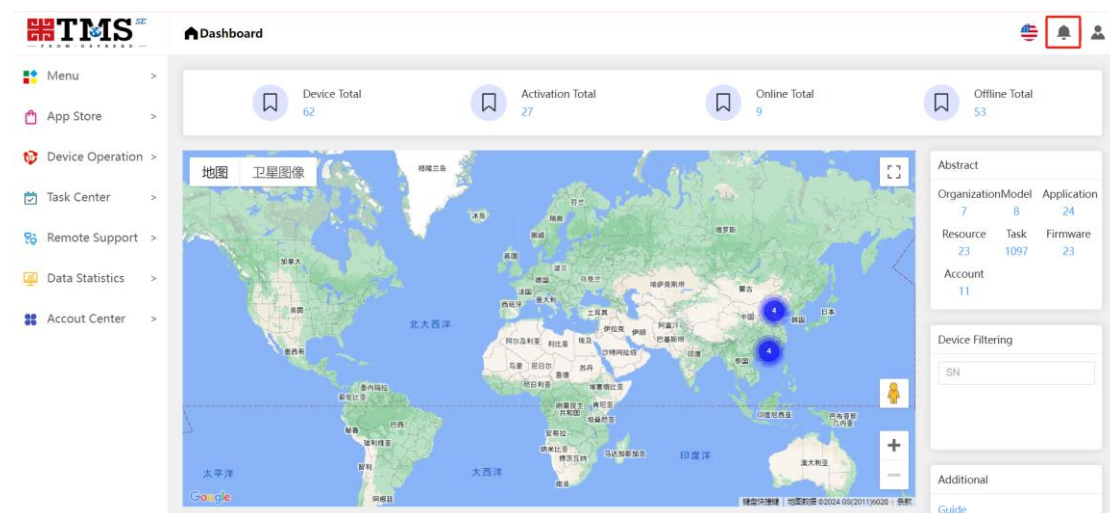
Click on the upper left corner  **Dashboard** of the Home to enter the system workbench (Home), where you can view device statistics, data summary, quick device filtering, additional information, device positioning and other information.

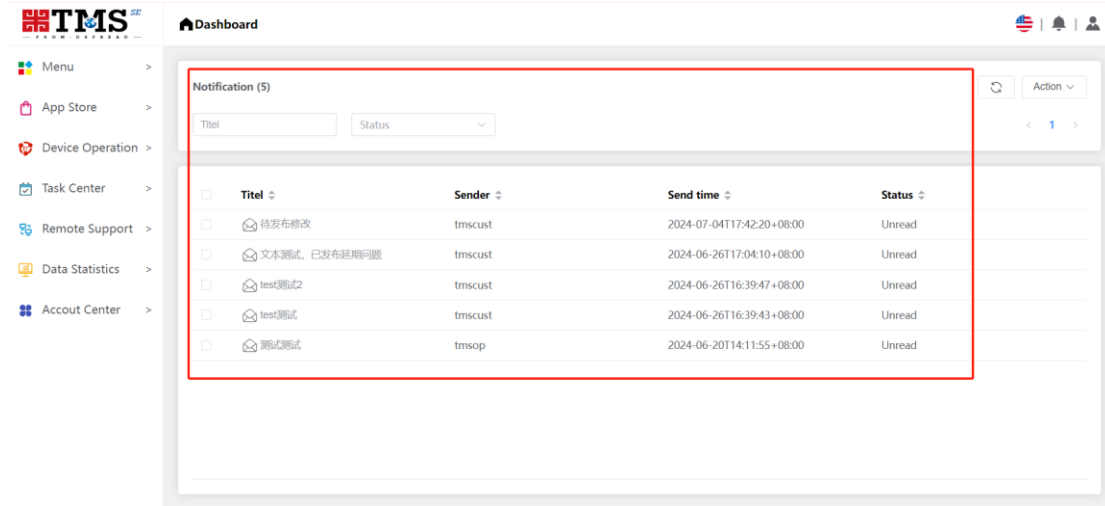
## 2.1 Language switching




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

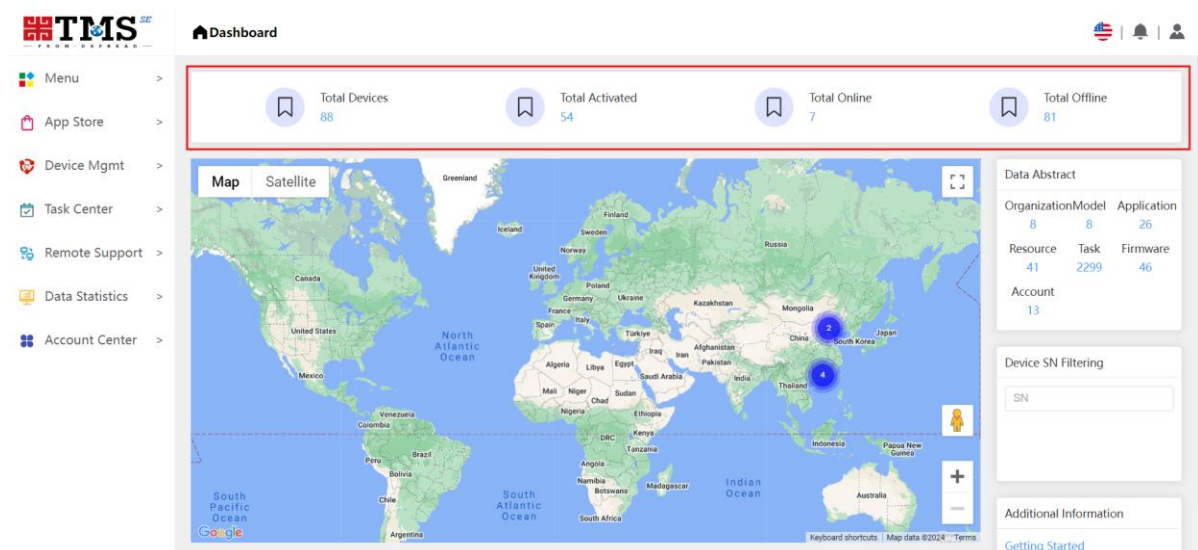
## 2.2. System notifications





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



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:

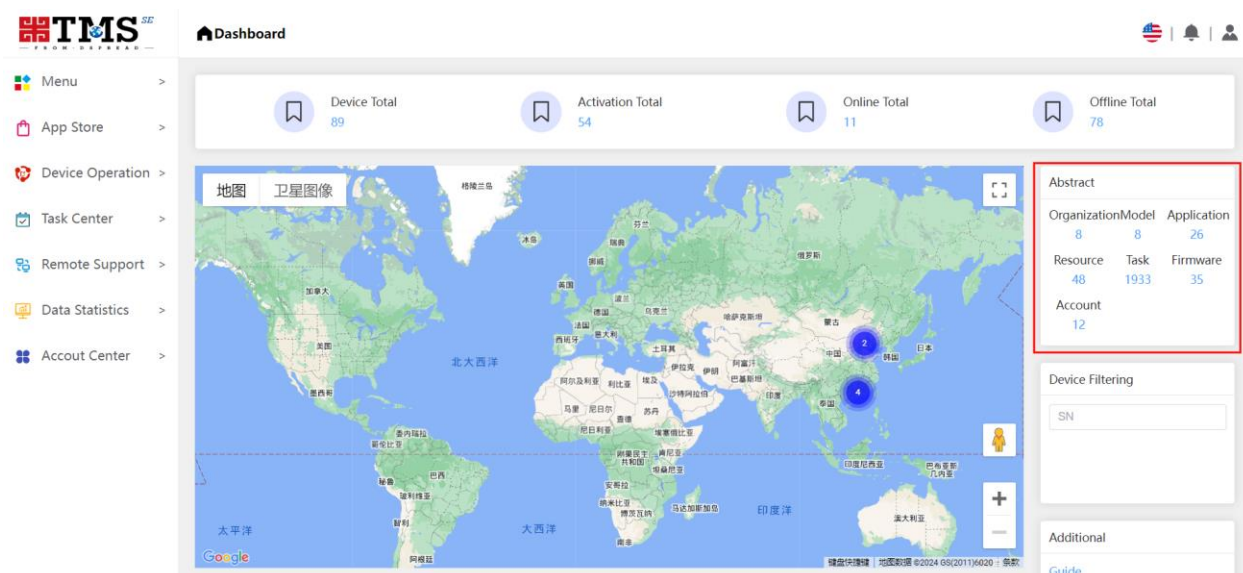
**Total Number of Devices:** All devices that have been successfully entered in the system.

**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

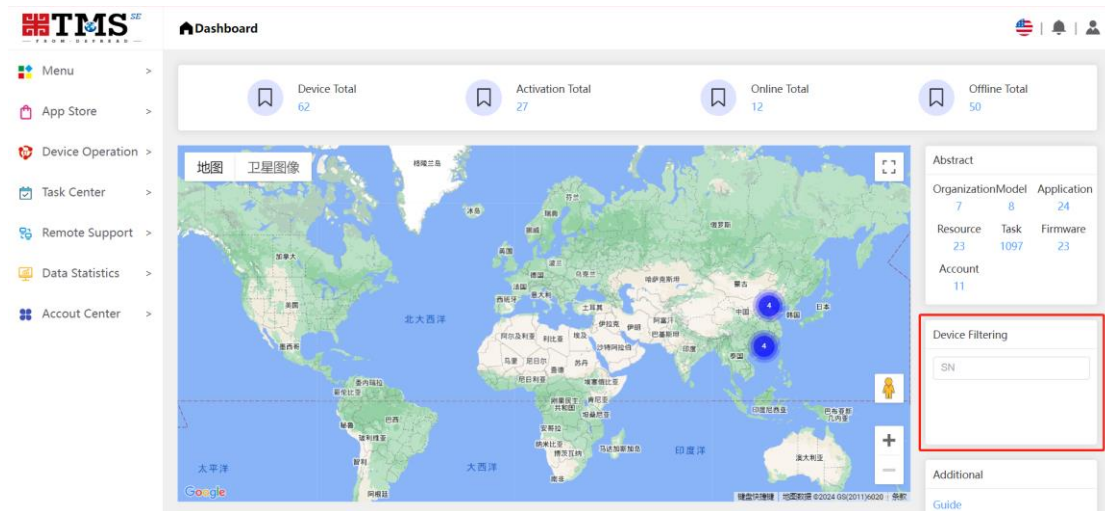
**Resources:** Collects statistics on all resources under the current organization and its sub-organizations

**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

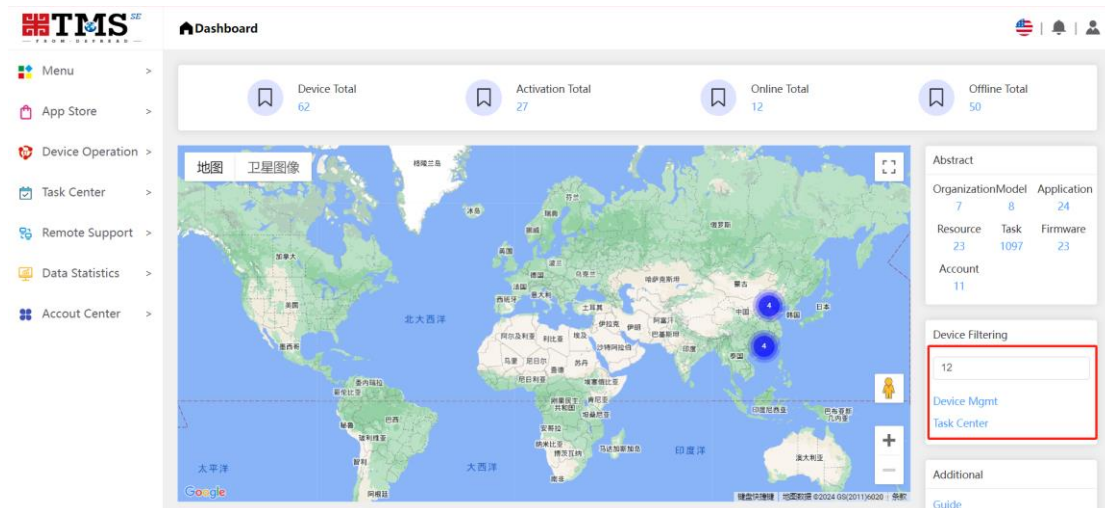
**Accounts:** Collects statistics on all accounts of the current organization and its sub-organizations

## 2.5 Quick device screening

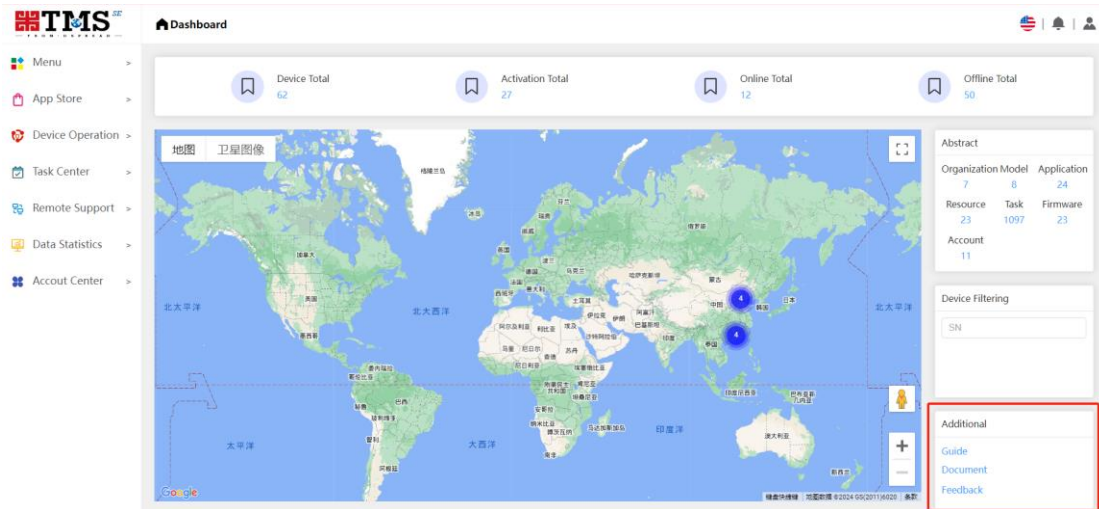


This page allows you to quickly locate the location of the device number you need to search for and check its status:

- 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.



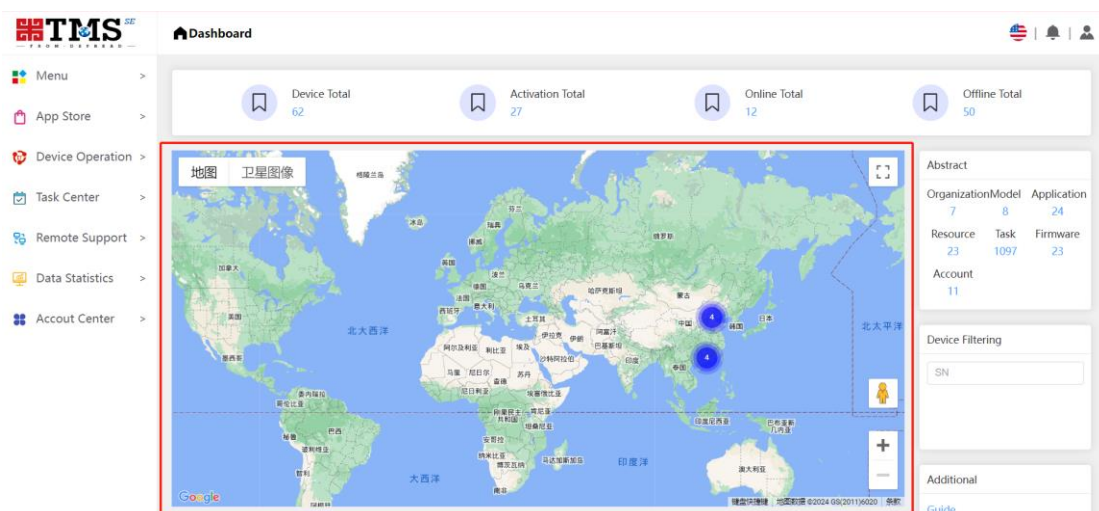
## 2.6 Additional Information




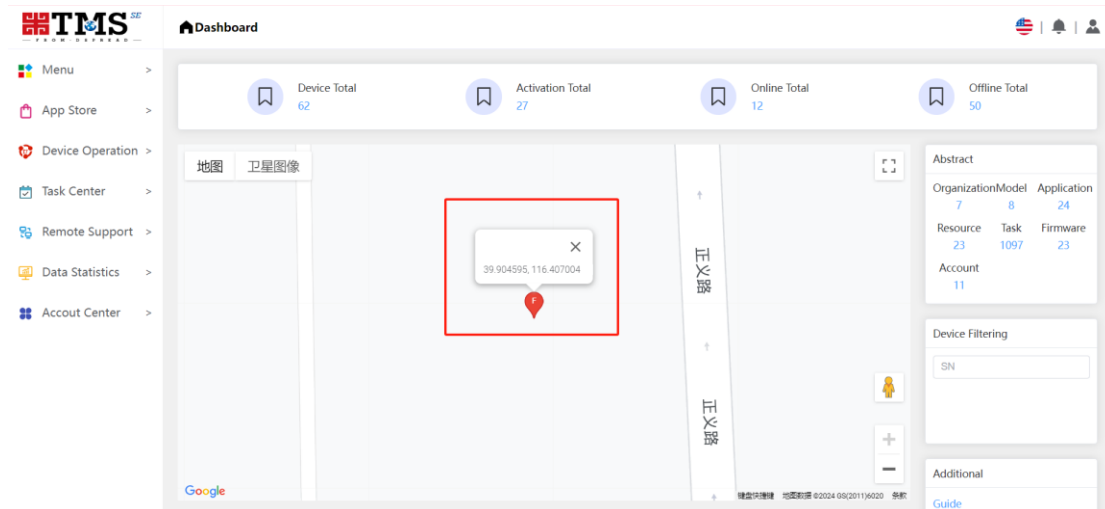
The additional information includes three buttons: Getting Started, Documentation, and Feedback, which respectively indicate:

- **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.

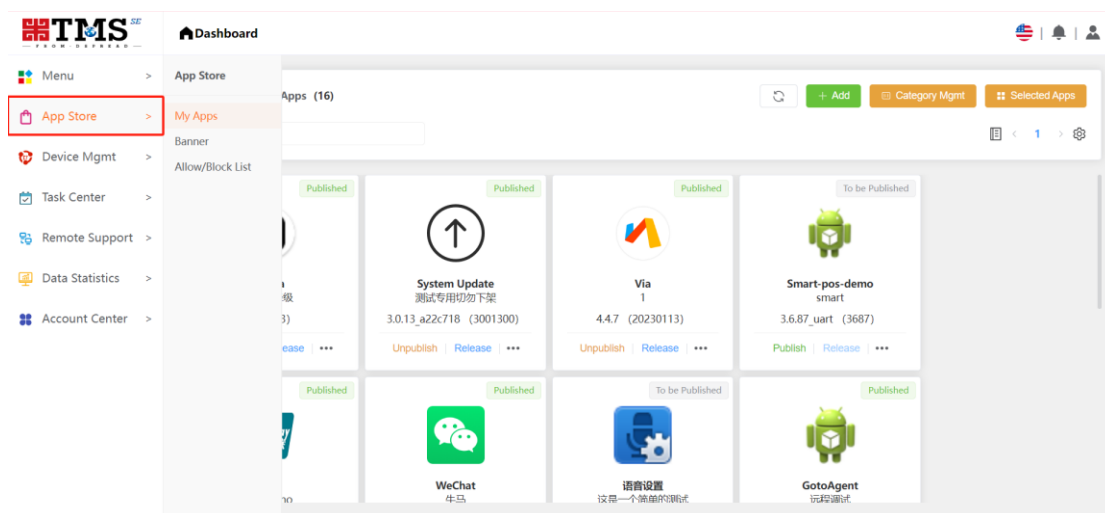
## 2.7 Devices Distributed



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.



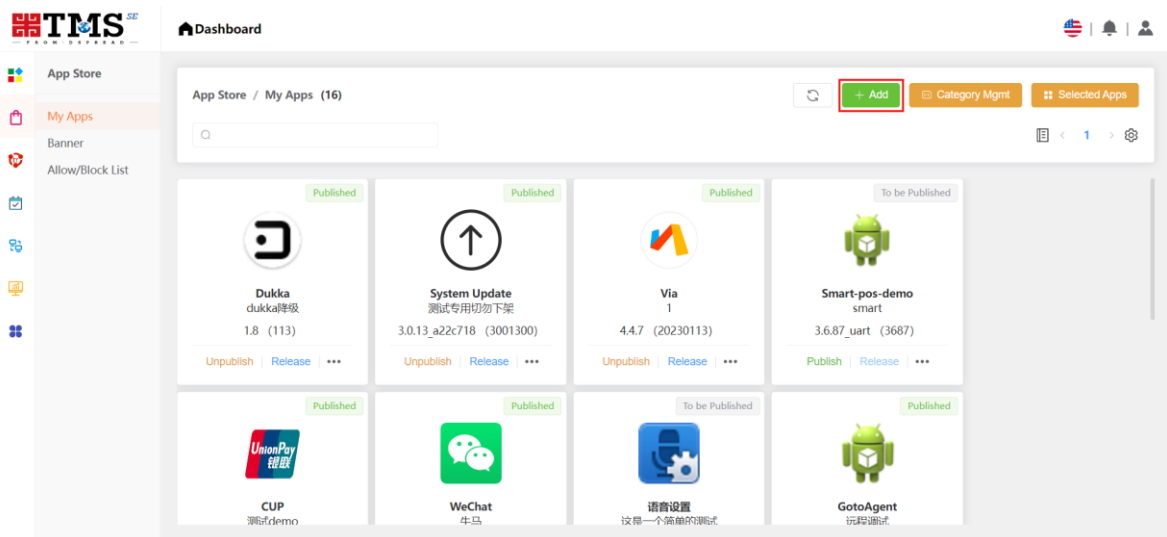
### 3.App Store




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.

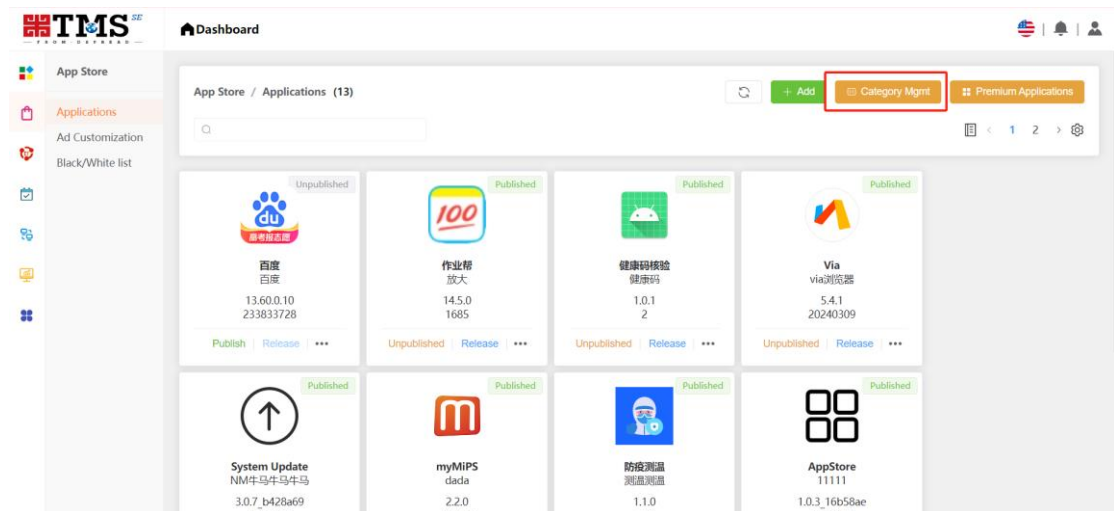
**Note:** Fields with \* are required.


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

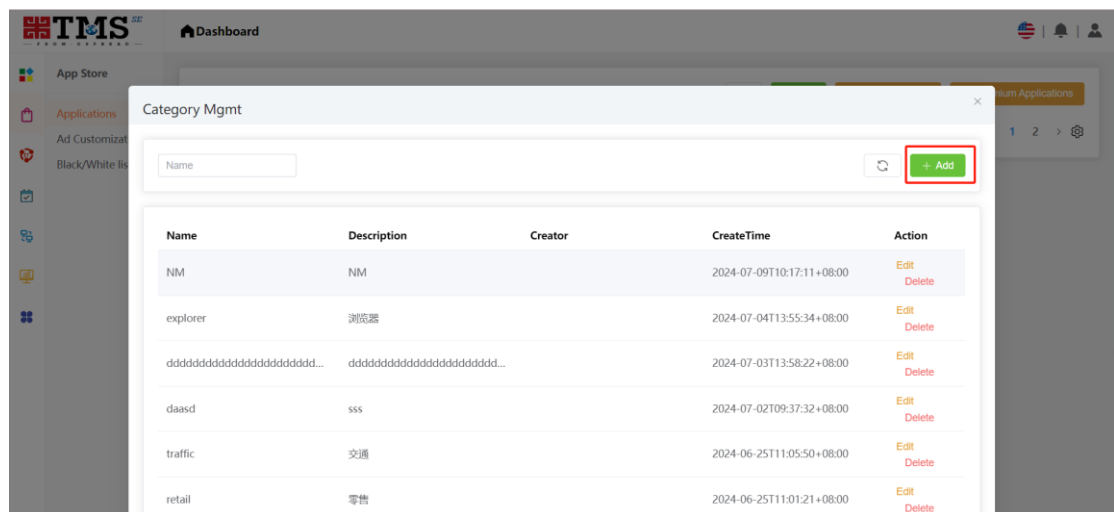
clause 11page

### 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



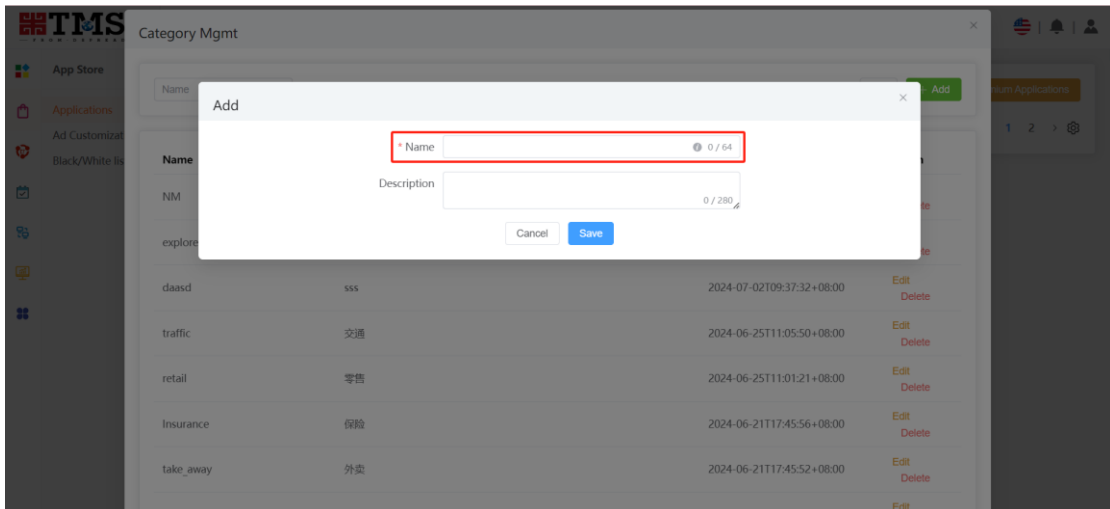
2. Click the "Add" button in the upper right corner of the category management pop-up window  to add a category (there can be a maximum of 10 categories).



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

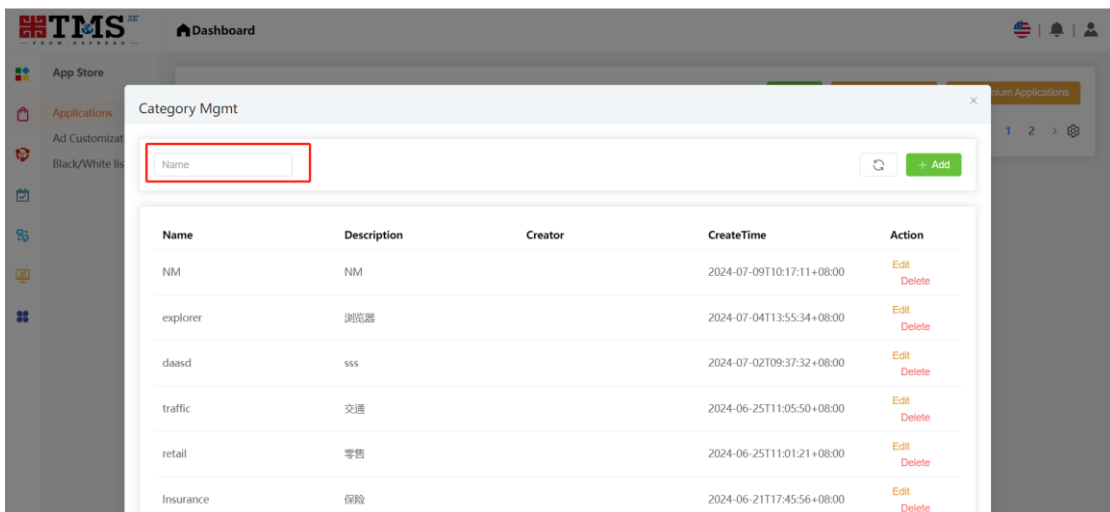
- Enter \*Classification Name
- Enter a Classification Description

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



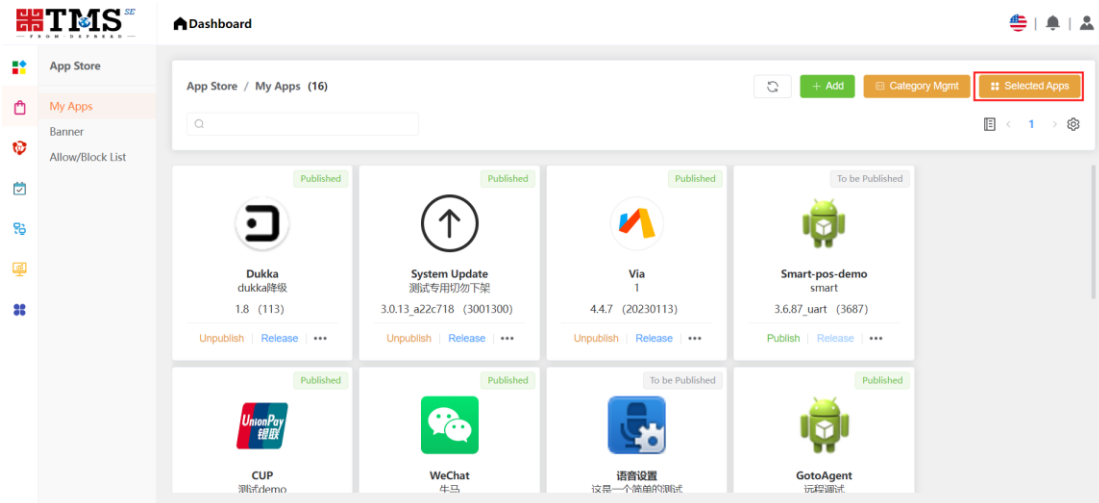
4. Click "Save".

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

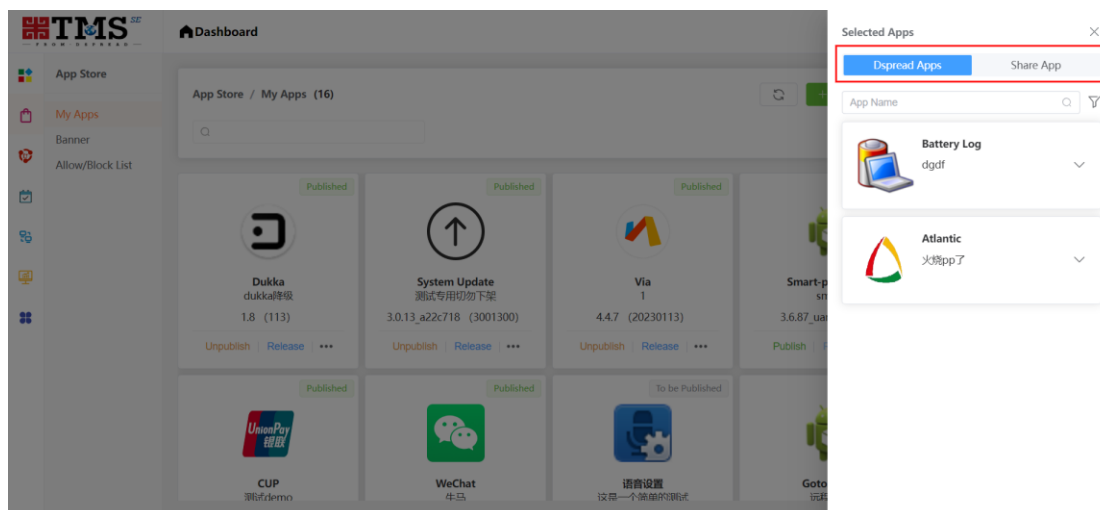


### 3.1.3. Boutique applications

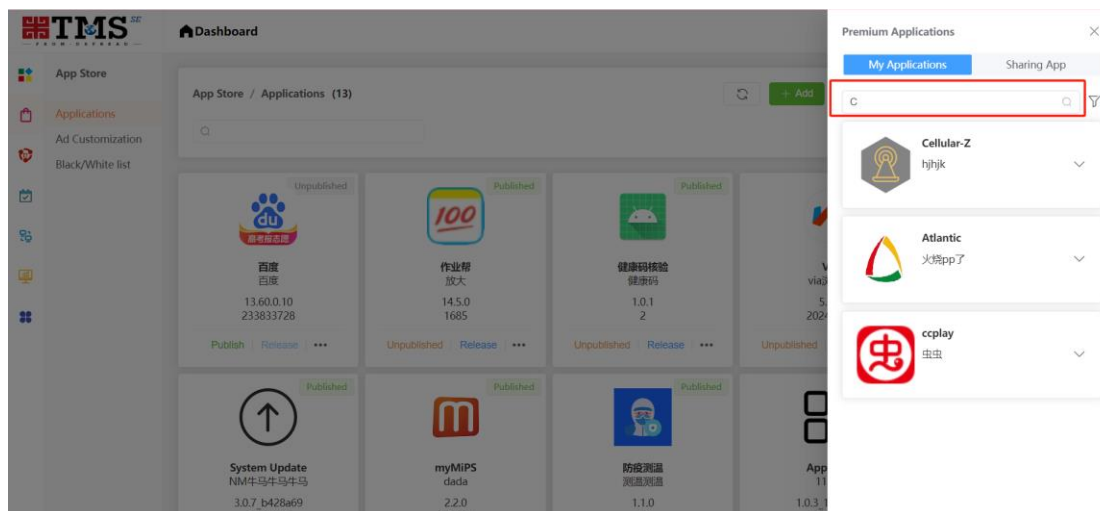
1. Click the "Selected Apps" icon  at the top right of the interface



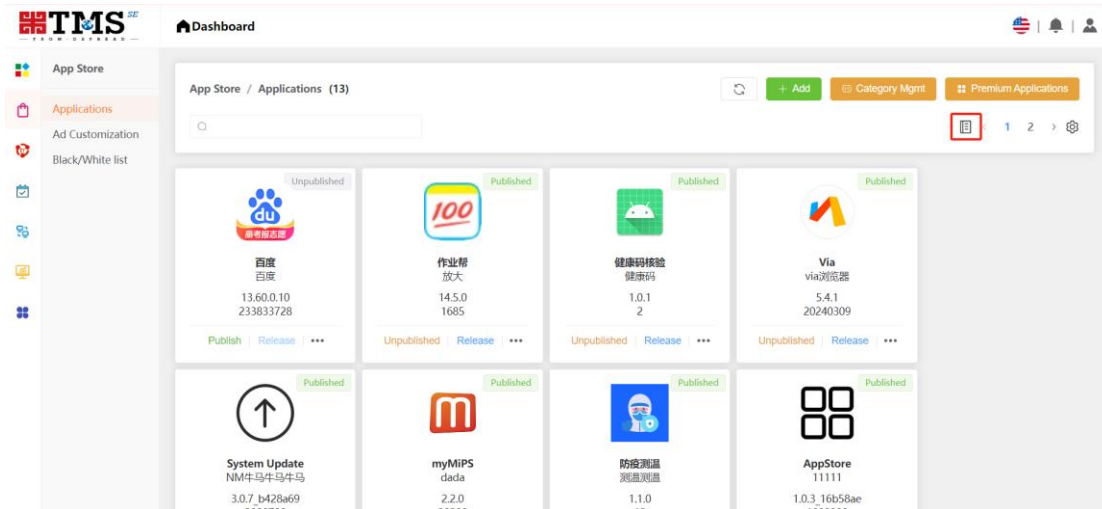
- In the pop-up window, you can add the **Dspread Apps** application uploaded by Dspread for the current app store through the button, or you can **Share App** add the application shared by the parent organization through the button.




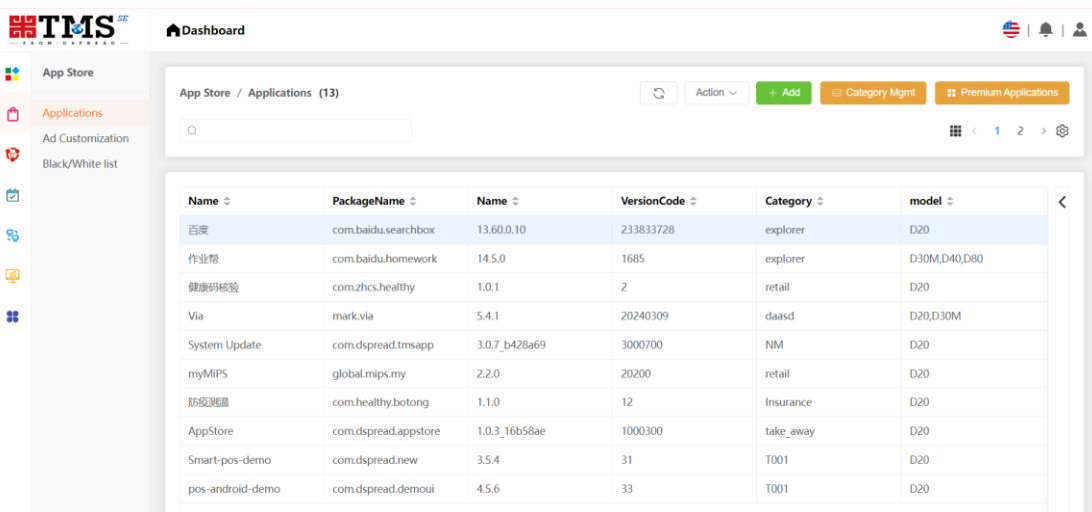
- You can enter the app you want to search for in the search box that comes with the window.



### 3.1.4 List Mode




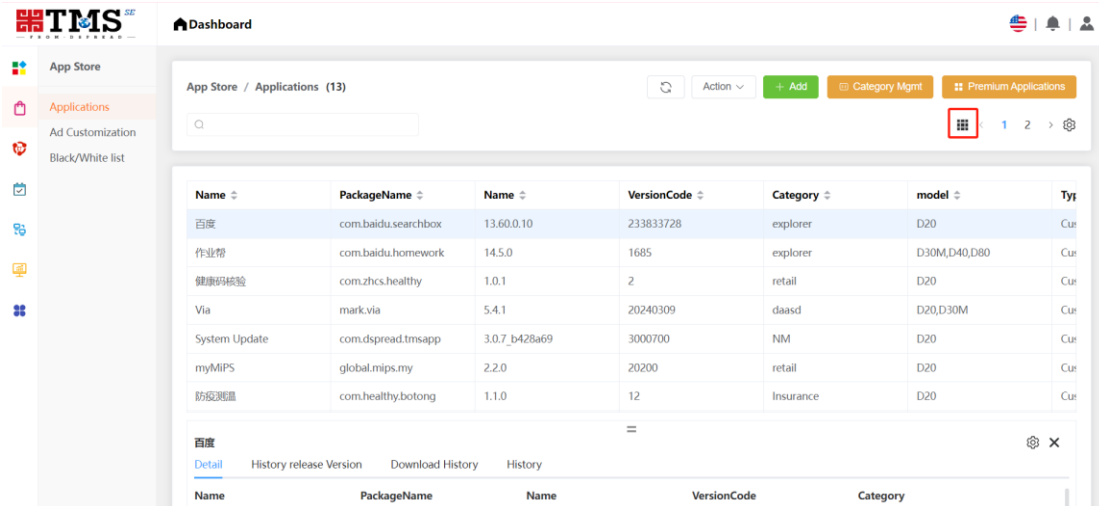
1. When you first enter the app store, the display mode defaults to card mode.
2. Find the icon in the upper right position of the page in card mode , and click it to enter the list mode, which is displayed as shown in the following figure



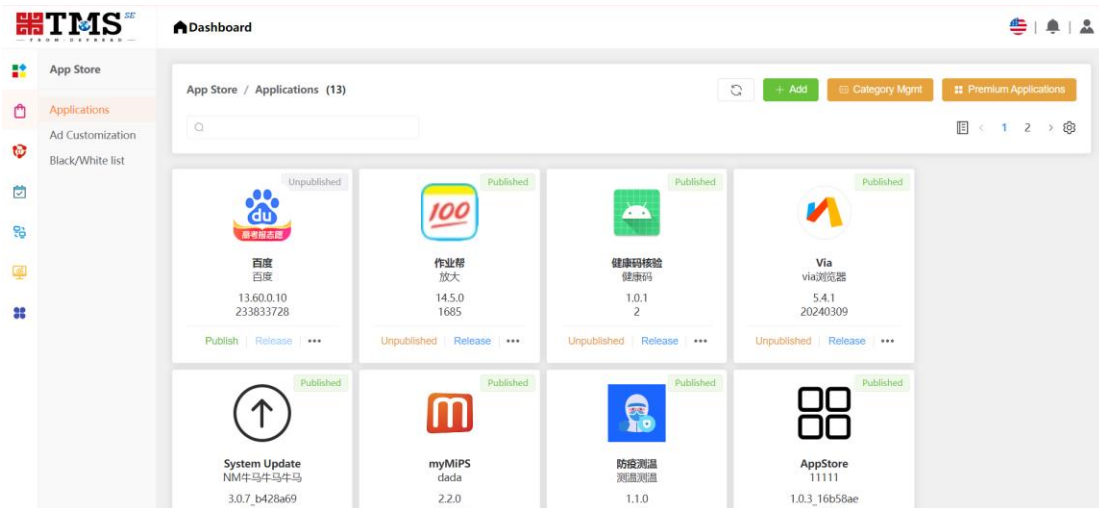
3. In the list mode, you can view the basic information of each application, including the application name, application package name, category, and model.

### 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.



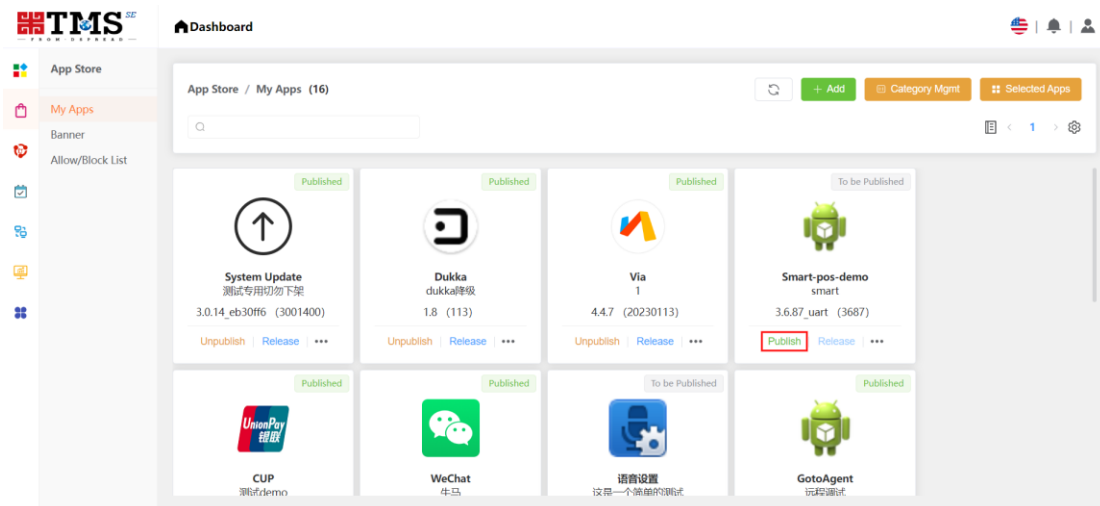
2. The card pattern is shown in the following figure:



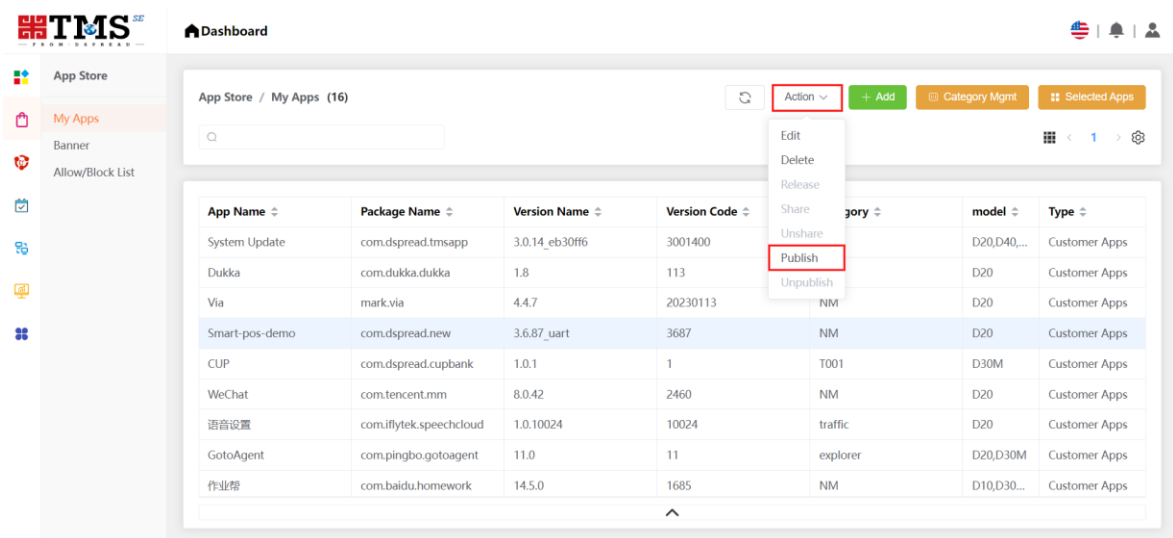
3. In card mode, you can see information such as the icon and version number of each app.

### 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.

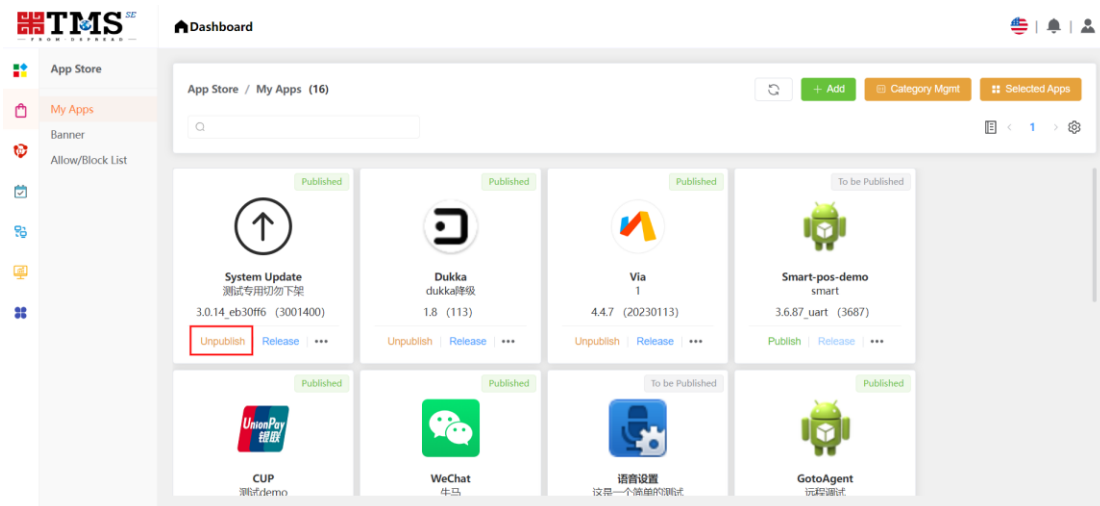


2. In list mode, you can use the "Publish" button under the "Action" button to list the shelves.

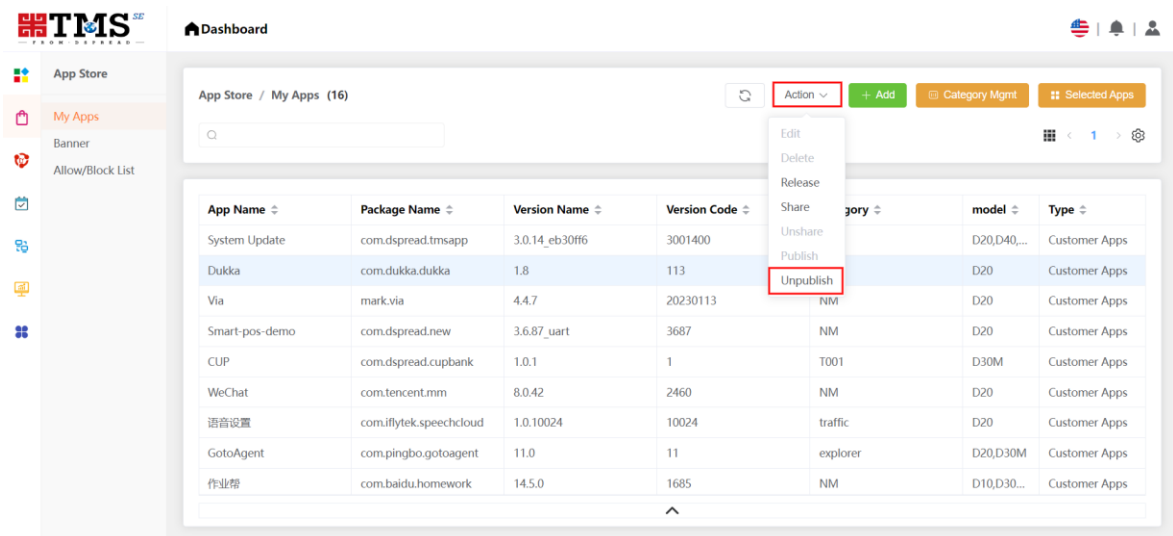


### 3.1.7 Removal of Applications

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

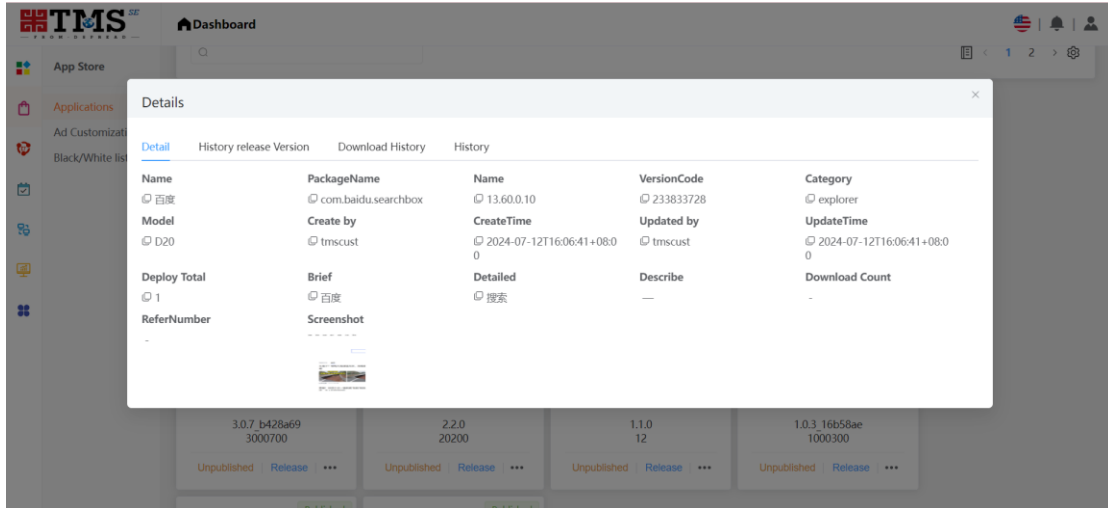


2. In list mode, you can use the UnPublished button under the Action button to remove the list.

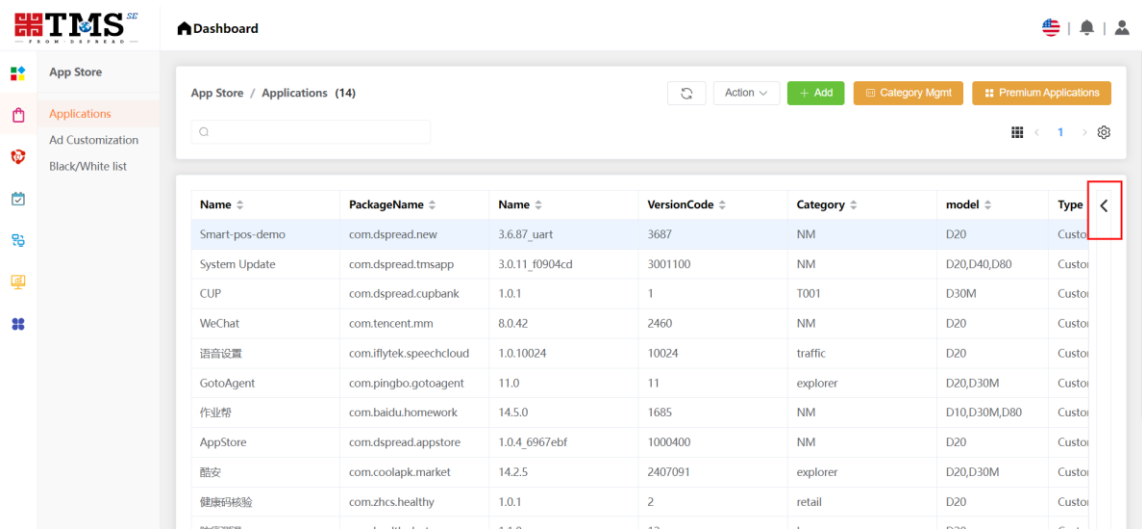


### 3.1.8 Details

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



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 .



App Store / Applications (14)

Name	PackageName	Name	VersionCode	Category	model	Type
Smart-pos-demo	com.dspreload.new	3.6.87_uart	3687	NM	D20	Custom...
System Update	com.dspreload.tmsapp	3.0.11_f0904cd	3001100	NM	D20,D40,D80	Custom...
CUP	com.dspreload.cupbank	1.0.1	1	T001	D30M	Custom...
WeChat	com.tencent.mm	8.0.42	2460	NM	D20	Custom...
语音设置	com.iflytek.speechcloud	1.0.10024	10024	traffic	D20	Custom...
GotoAgent	com.pingbo.gotoagent	11.0	11	explorer	D20,D30M	Custom...
作业帮	com.baidu.homework	14.5.0	1685	NM	D10,D30M,D80	Custom...
AppStore	com.dspreload.appstore	1.0.4_6967ebf	1000400	NM	D20	Custom...
酷安	com.coolapk.market	14.2.5	2407091	explorer	D20,D30M	Custom...
健康码核验	com.zhcs.healthy	1.0.1	2	retail	D20	Custom...
防疫测温	com.healthy.botong	1.1.0	12	Insurance	D20	Custom...
pos-android-demo	com.dspreload.demoui	4.5.6	33	T001	D20	Custom...
Cellular-Z	make.more.r2d2.cellular_z	5.5.1	59	traffic	D20	Custom...
Android-Location	com.example.android_1...	1.0	1	take_away	D20,D80	Custom...

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.

App Store / Applications (14)

Name	PackageName	Name	VersionCode
Smart-pos-demo	com.dspreload.new	3.6.87_uart	3687
System Update	com.dspreload.tmsapp	3.0.11_f0904cd	3001100
CUP	com.dspreload.cupbank	1.0.1	1
WeChat	com.tencent.mm	8.0.42	2460
语音设置	com.iflytek.speechcloud	1.0.10024	10024
GotoAgent	com.pingbo.gotoagent	11.0	11
作业帮	com.baidu.homework	14.5.0	1685
AppStore	com.dspreload.appstore	1.0.4_6967ebf	1000400
酷安	com.coolapk.market	14.2.5	2407091
健康码核验	com.zhcs.healthy	1.0.1	2

Smart-pos-demo

Details location  
Select the default location for the details

Bottom Right

Name  
3.6.87\_uart

VersionCode  
3687

Category  
NM

Model  
D20

Create by  
tmscust

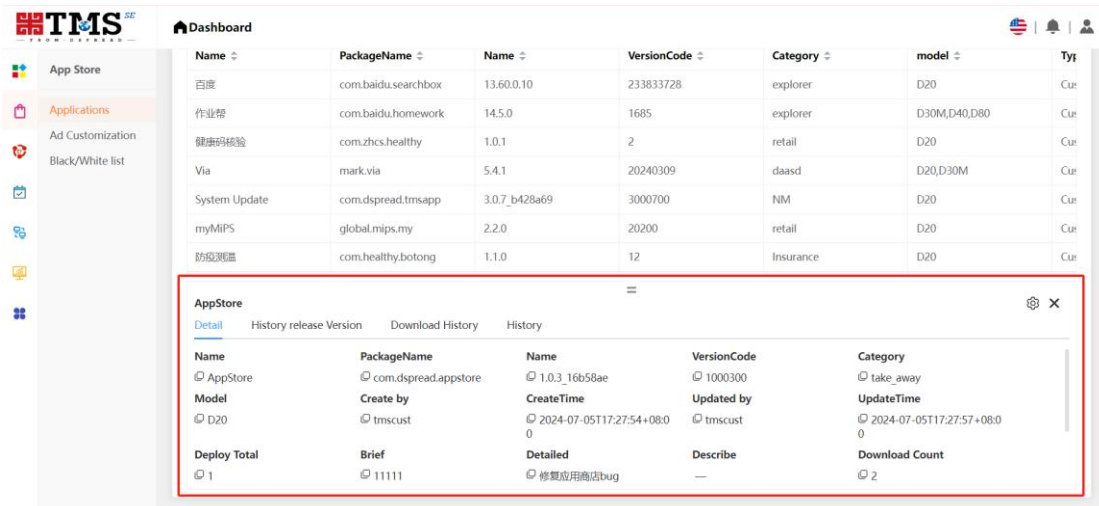
CreateTime  
2024-07-23T14:37:26+08:00

Updated by  
tmscust

UpdateTime  
2024-07-23T14:37:50+08:00

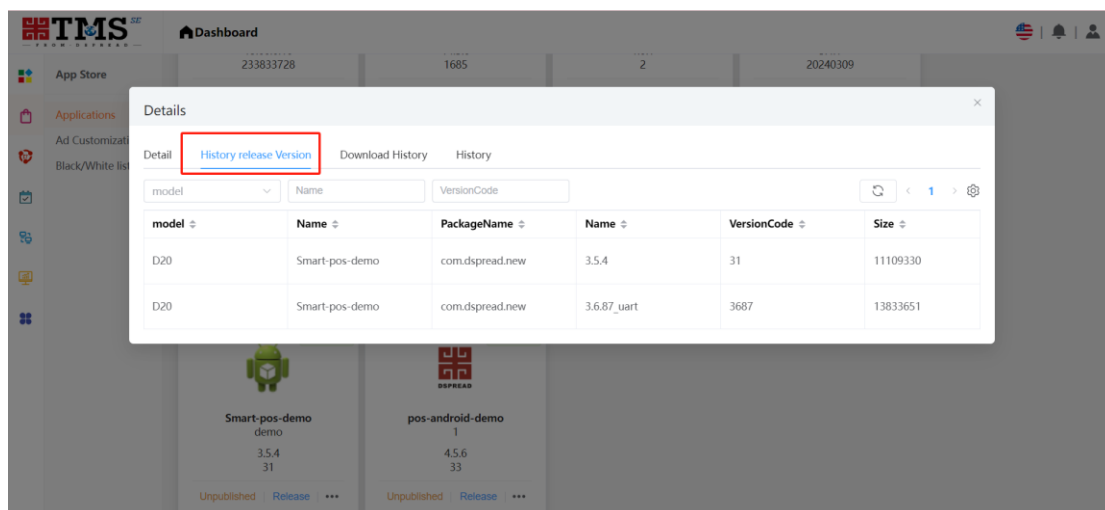
Deploy Total  
2

Brief  
smart



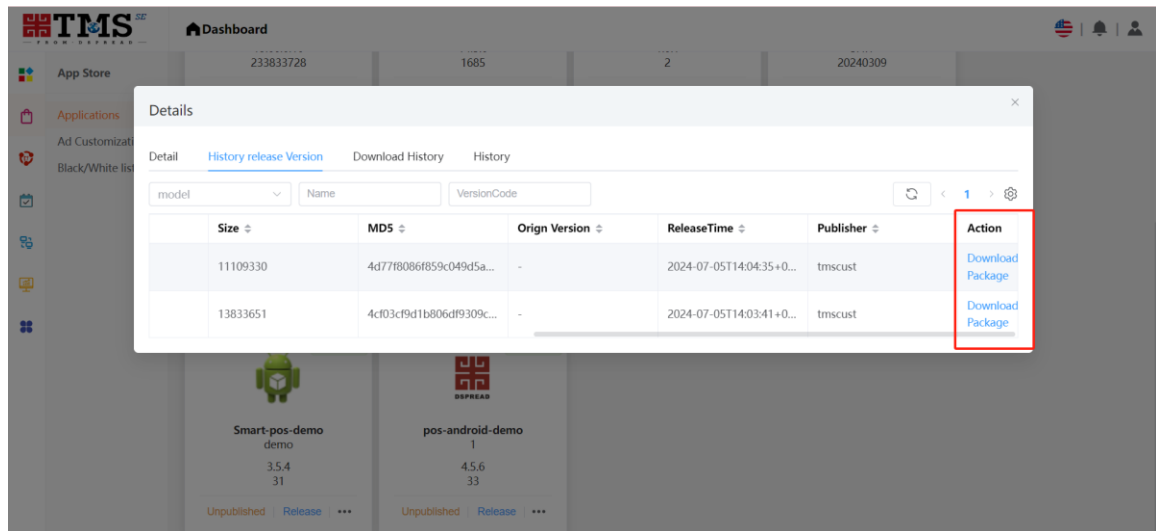
### 3.1.9 Historical release versions

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

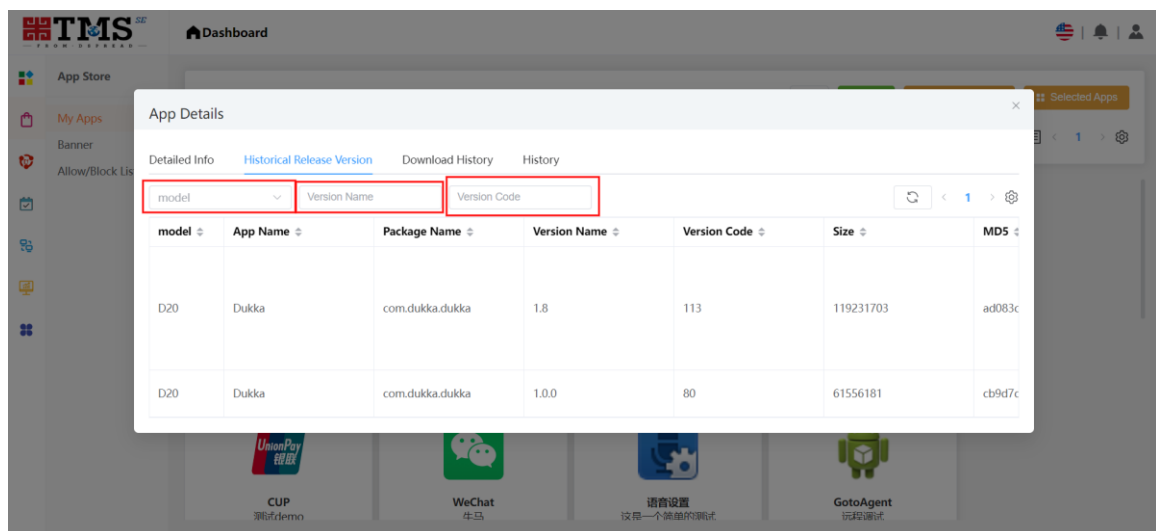


2. You can view information such as the model and application name supported by the application, and can also trace back to the creation history, size, publisher, and other information of the application.

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

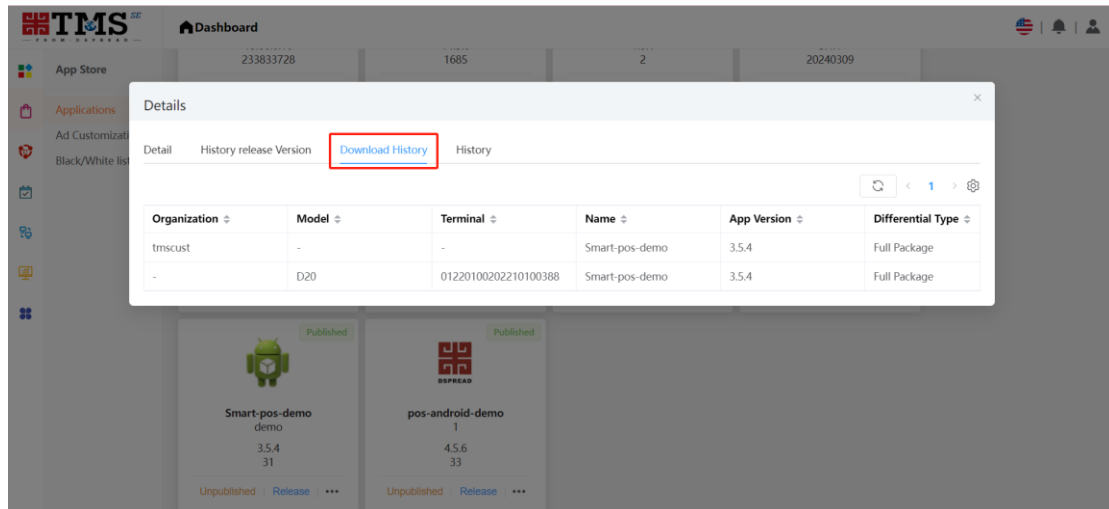


4. You can also search for the app using the search box.



### 3.1.10 historical download records

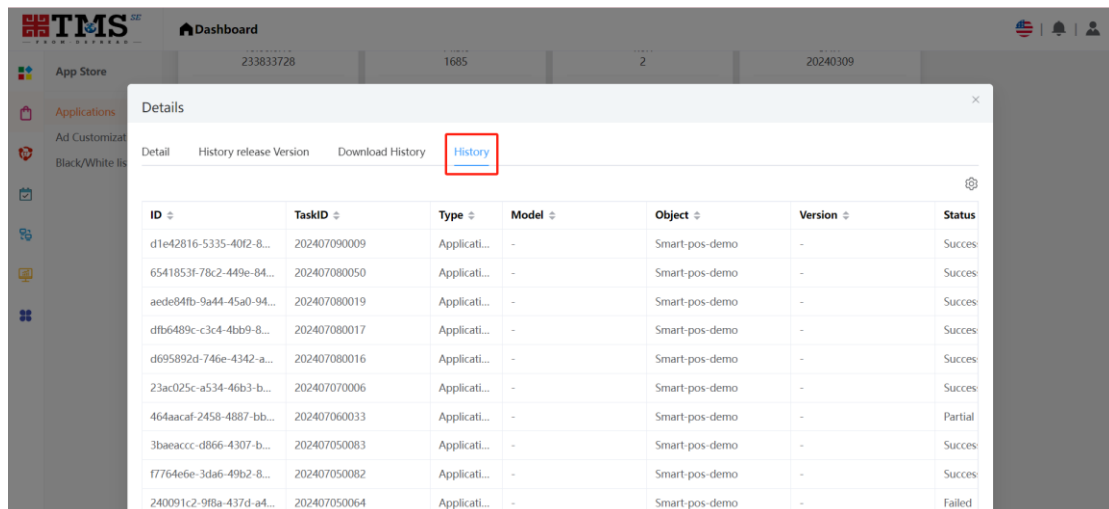
1. Click "Download History" under the details pop-up window to view the download history.



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.

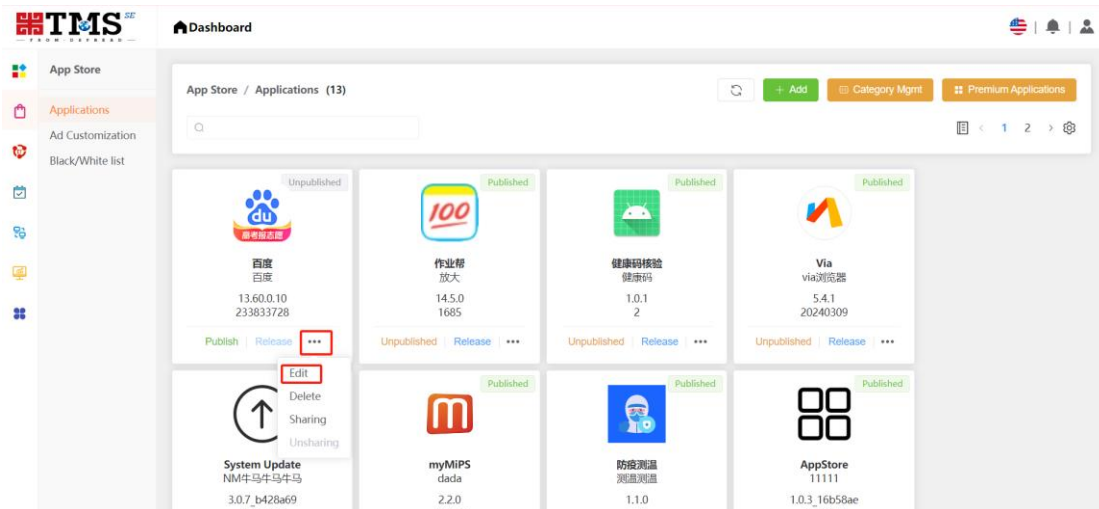


2. Historical tasks record all the tasks that have been pushed to the app in the task center, including the application name, task status, and push device ID.

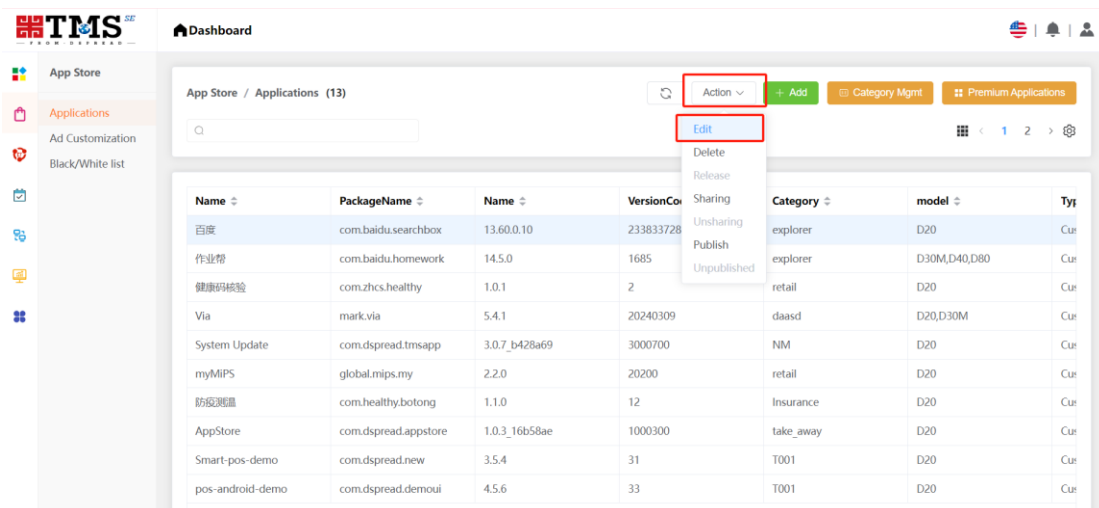
### 3.1.12 Modify the application

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

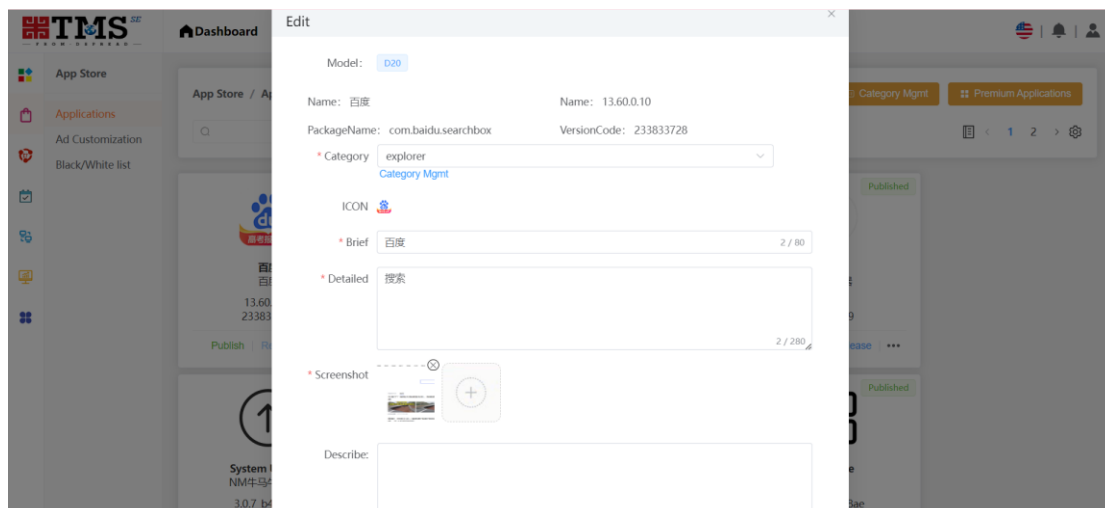
2. In card mode, click the button in the lower right corner of the app card  and select the "Edit" button to enter the Modify App page



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




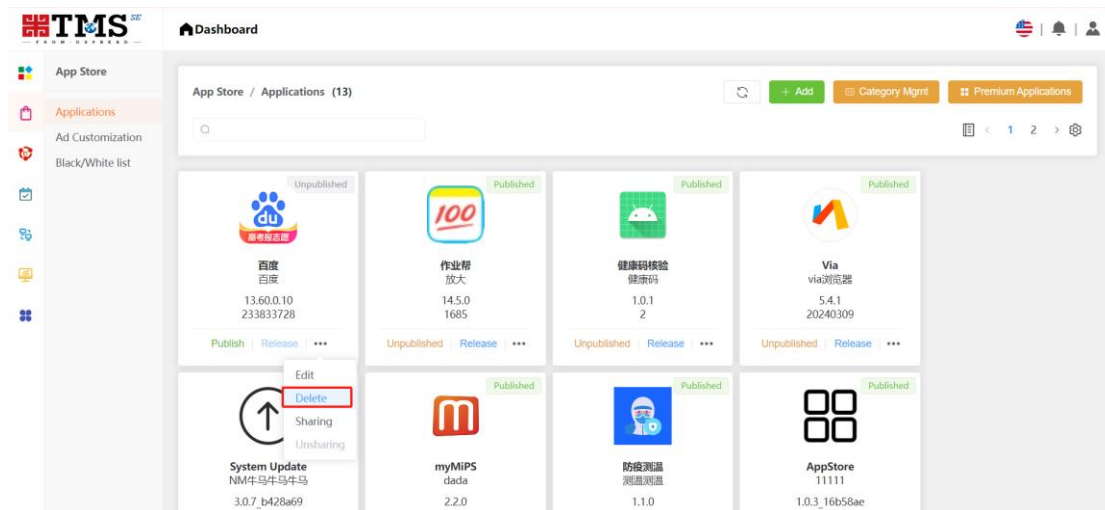
4. On the Modify page, you can modify the application category, details, introduction, screenshots, and update description.



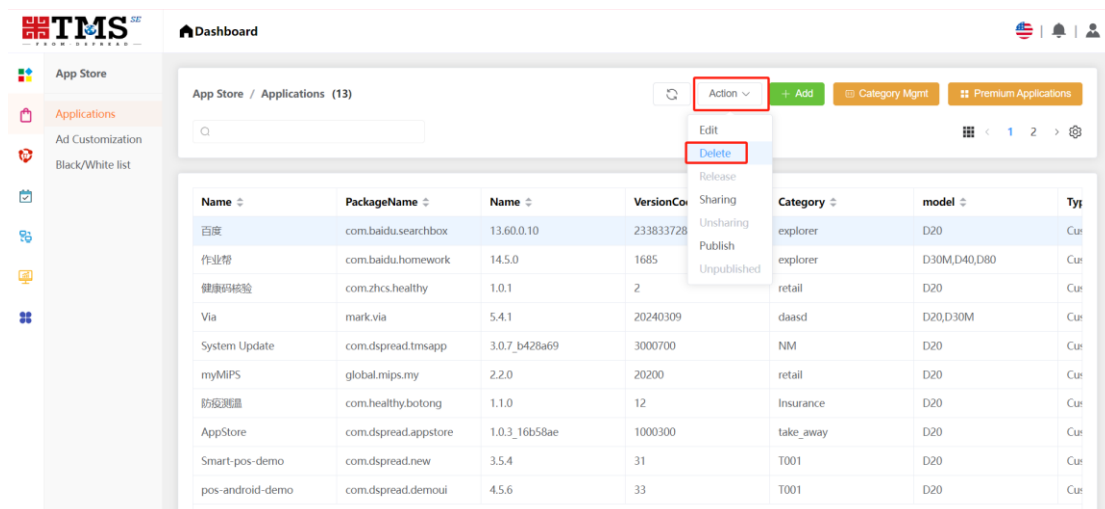
### 3.1.13 Delete the app

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.




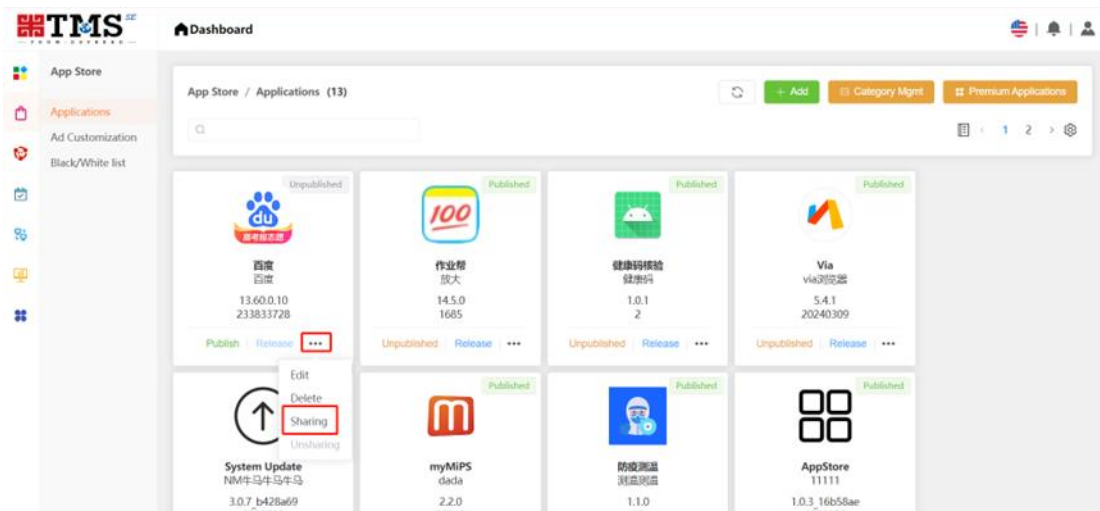
3. In list mode, click the "Delete" button under the "Action" button to delete the app



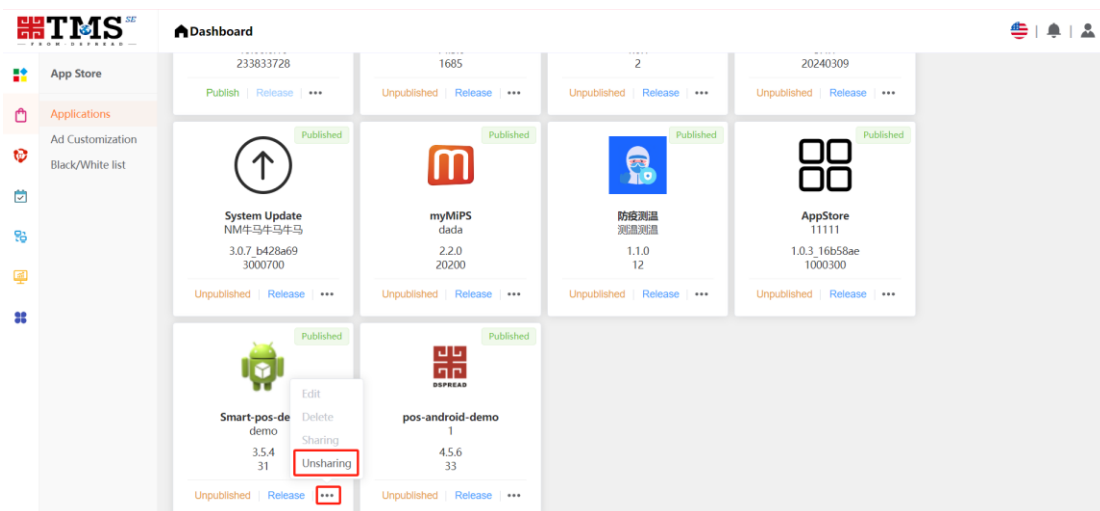
### 3.1.14 Shared Apps

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

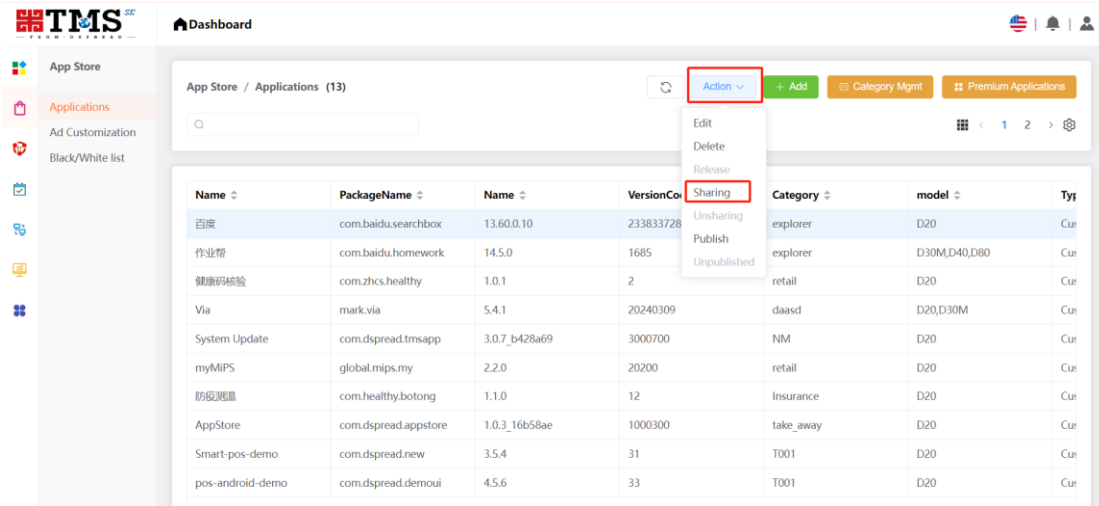
2. In card mode, click the button in the lower right corner of the app card  and select the "Sharing" button to share the app, and the app will be displayed under its sub-organizations.



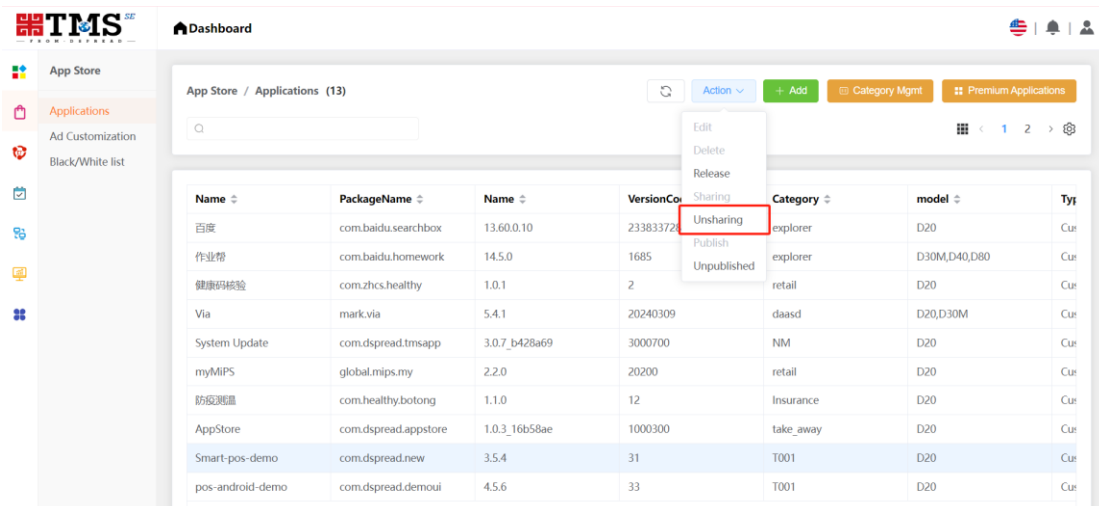
3. In card mode, click the button in the lower right corner of the app card and select the "UnSharing" button to unshare the app, and remove the app from its sub-organizations.




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.

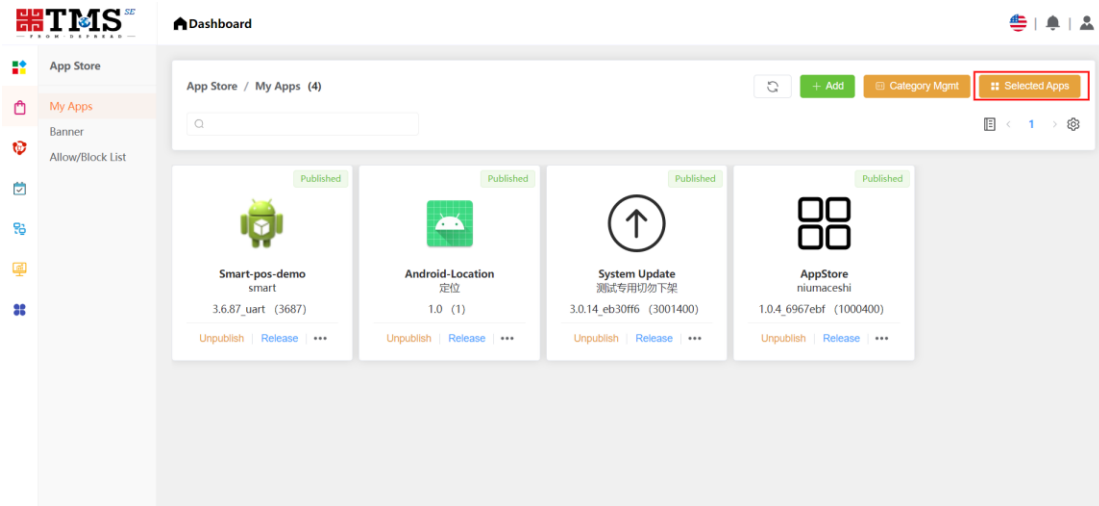


5. In list mode, click the "UnSharing" button under the "Action" button to cancel the sharing of the app, and its sub-organization will remove the app.

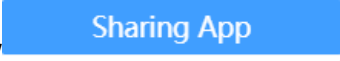


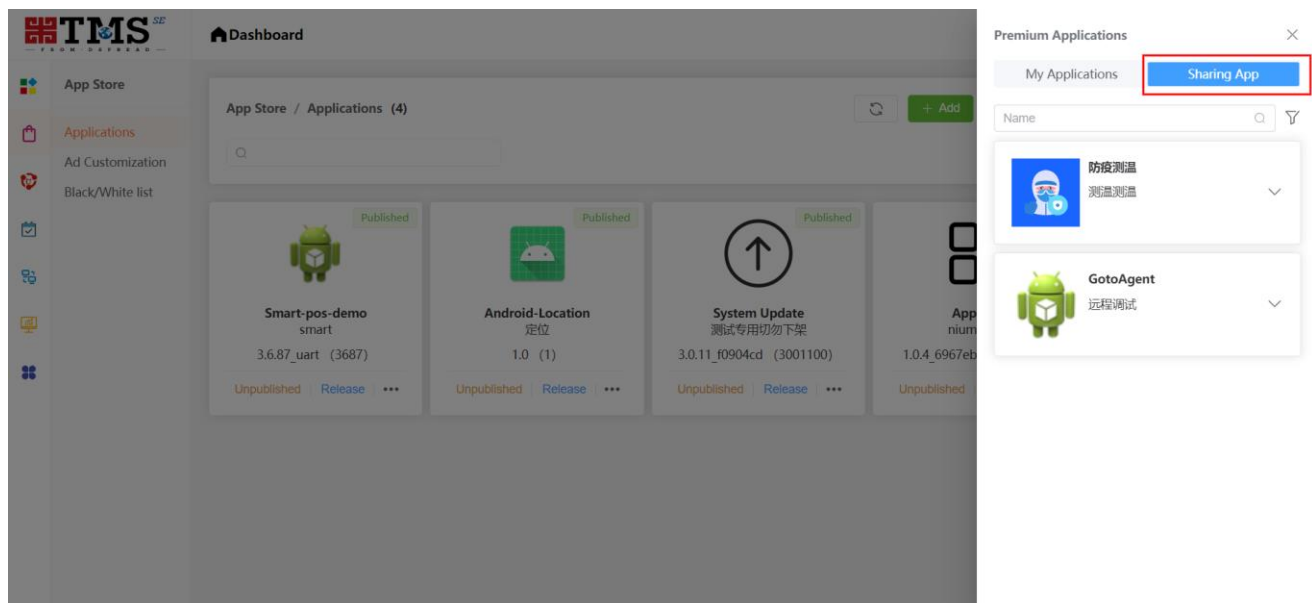
### 3.1.15 Pull Apps

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

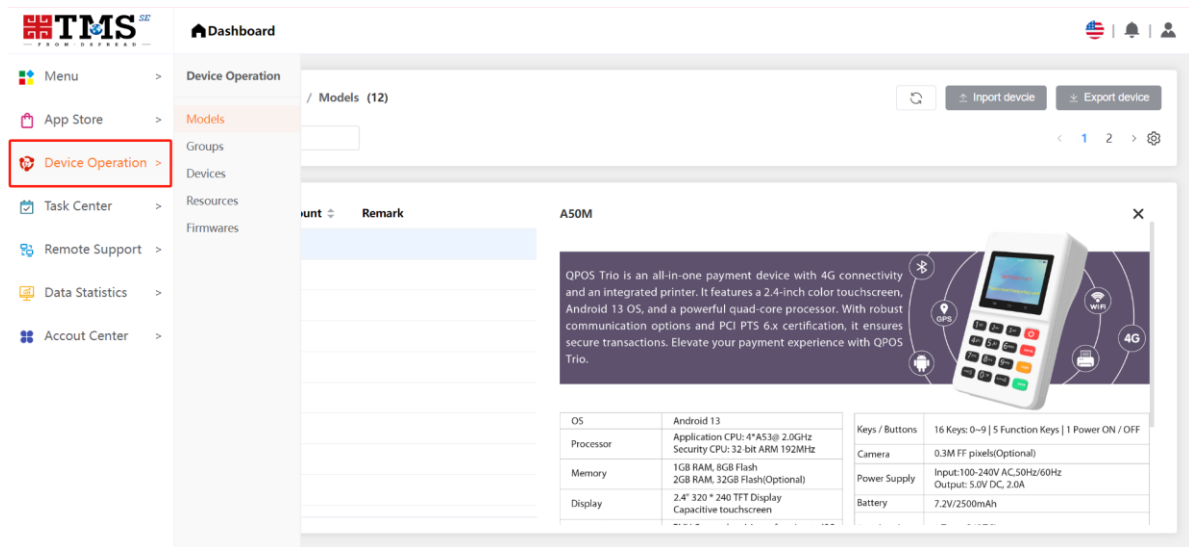


2. By default, apps shared from a parent organization appear in the app store of the parent organization.

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.



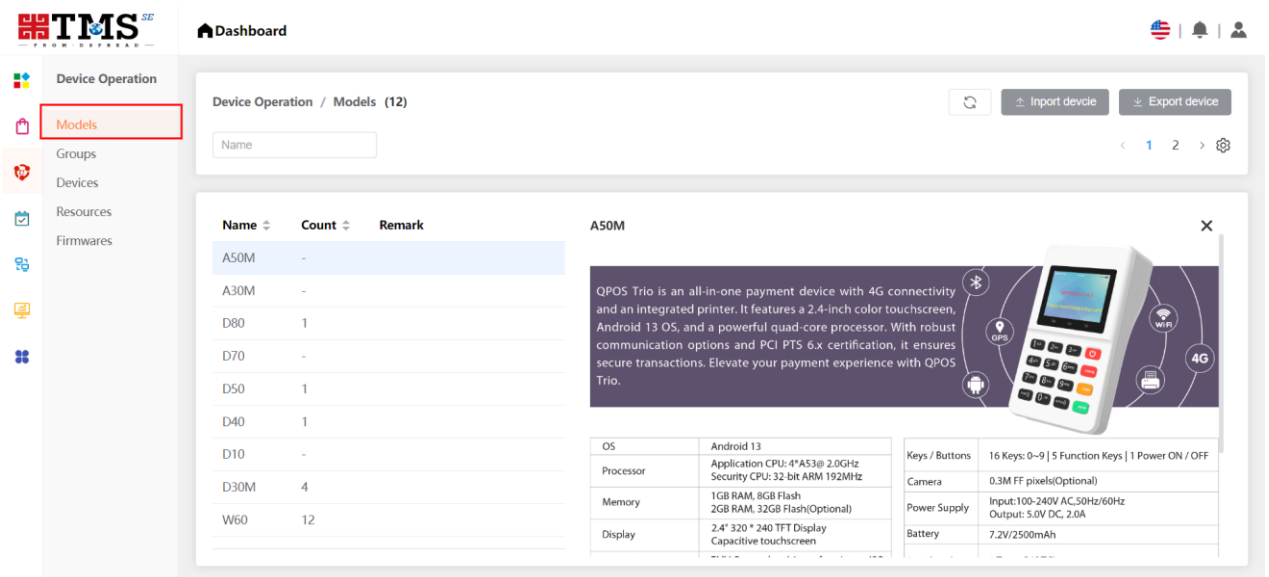
## 4. Device Operations




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.



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 dashboard with the 'Models' section selected. A table lists various device models and their counts. A red box highlights the settings icon in the top right corner of the table, which opens a configuration menu for the table's display options.


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

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 rich 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*AS3@ 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

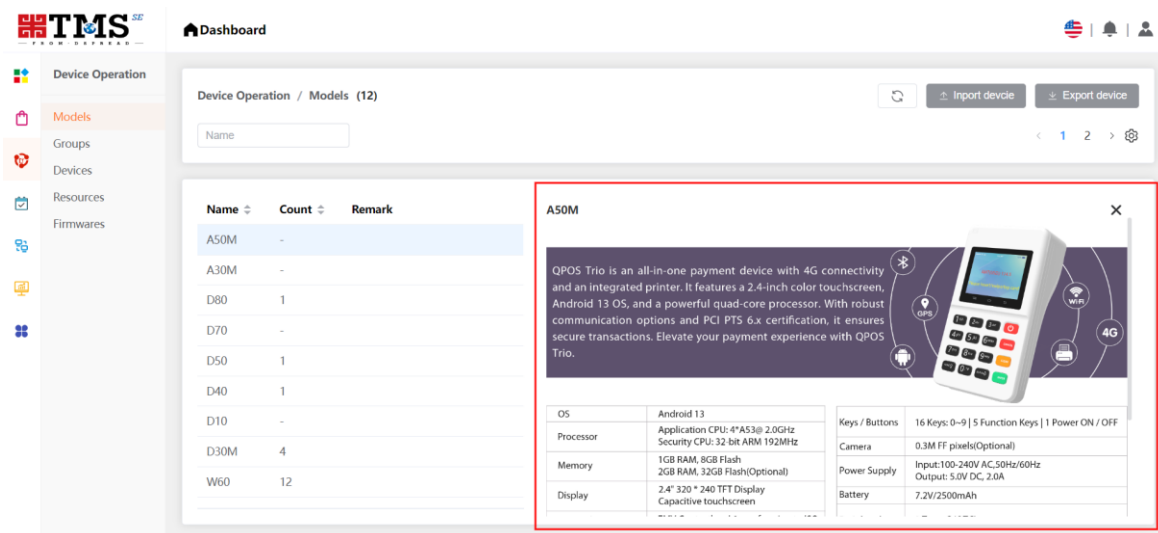
Keys / Buttons	16 Keys: 0-9   5 Function Keys   1 Power ON / OFF
Camera	0.3M FF pixels(Optional)
Power Supply	Input: 100-240V AC, 50Hz/60Hz Output: 5.0V DC, 2.0A
Battery	7.2V/2500mAh

## 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 dashboard with the 'Models' section selected. A table lists various device models and their counts. A red box highlights the left arrow button in the top right corner of the table, which opens the device details page.

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



The screenshot shows the LarkTMS dashboard with the 'Models' page selected. A search box in the top left corner contains the text 'A50M'. The 'A50M' model is highlighted in the table. A pop-up window displays the details for the 'A50M' model, including a description, a list of specifications, and a list of features.

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

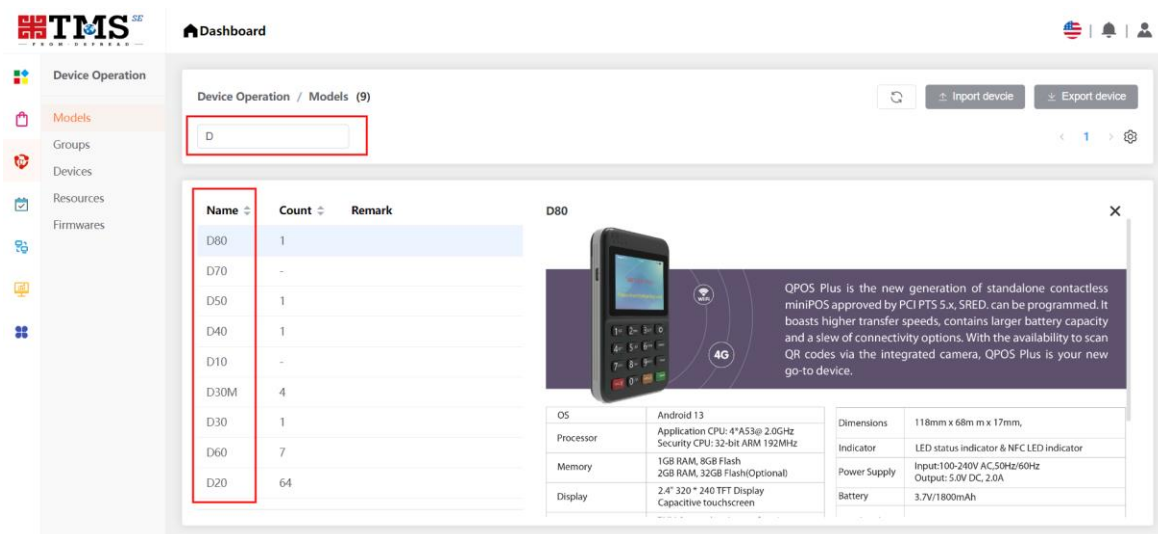
**A50M**

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	Keys / Buttons	16 Keys: 0-9   5 Function Keys   1 Power ON / OFF
Processor	Application CPU: 4*AS3@ 2.0GHz Security CPU: 32-bit ARM 192MHz	Camera	0.3M FF pixels(Optional)
Memory	1GB RAM, 8GB Flash 2GB RAM, 32GB Flash(Optional)	Power Supply	Input:100-240V AC,50Hz/60Hz Output: 5.0V DC, 2.0A
Display	2.4" 320 * 240 TFT Display Capacitive touchscreen	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.



The screenshot shows the LarkTMS dashboard with the 'Models' page selected. The search box in the top left corner is highlighted with a red box. The 'D80' model is highlighted in the table. A pop-up window displays the details for the 'D80' model, including a description, a list of specifications, and a list of features.

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

**D80**

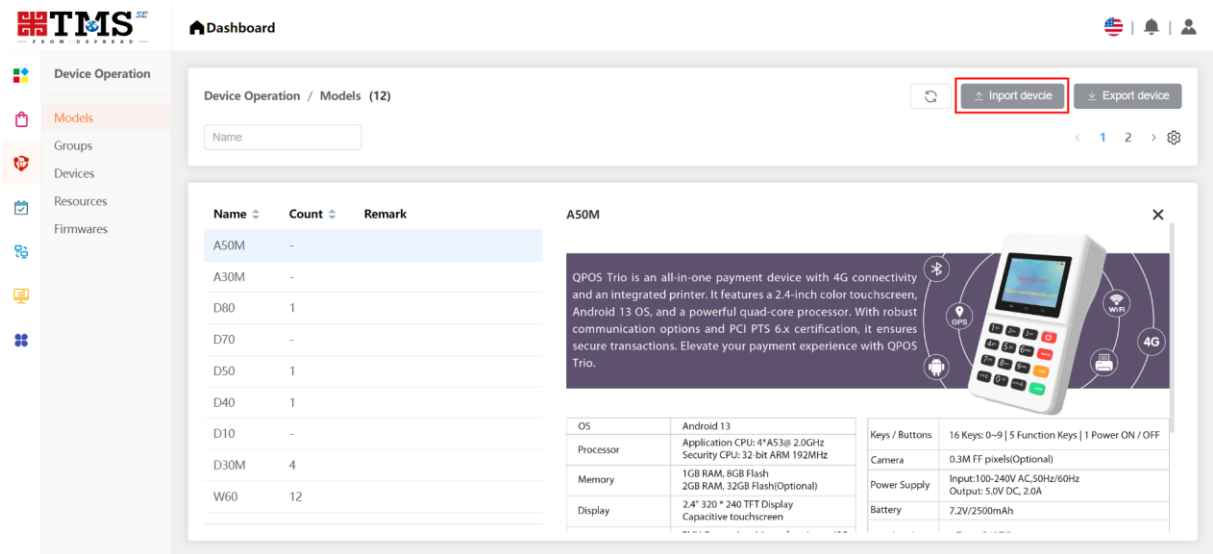
QPOS Plus is the new generation of standalone contactless miniPOS approved by PCI PTS 5.x, SRED. can be programmed. It boasts higher transfer speeds, contains larger battery capacity and a slew of connectivity options. With the availability to scan QR codes via the integrated camera, QPOS Plus is your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

OS	Android 13	Dimensions	118mm x 68mm x 17mm,
Processor	Application CPU: 4*AS3@ 2.0GHz Security CPU: 32-bit ARM 192MHz	Indicator	LED status indicator & NFC LED indicator
Memory	1GB RAM, 8GB Flash 2GB RAM, 32GB Flash(Optional)	Power Supply	Input:100-240V AC,50Hz/60Hz Output: 5.0V DC, 2.0A
Display	2.4" 320 * 240 TFT Display Capacitive touchscreen	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



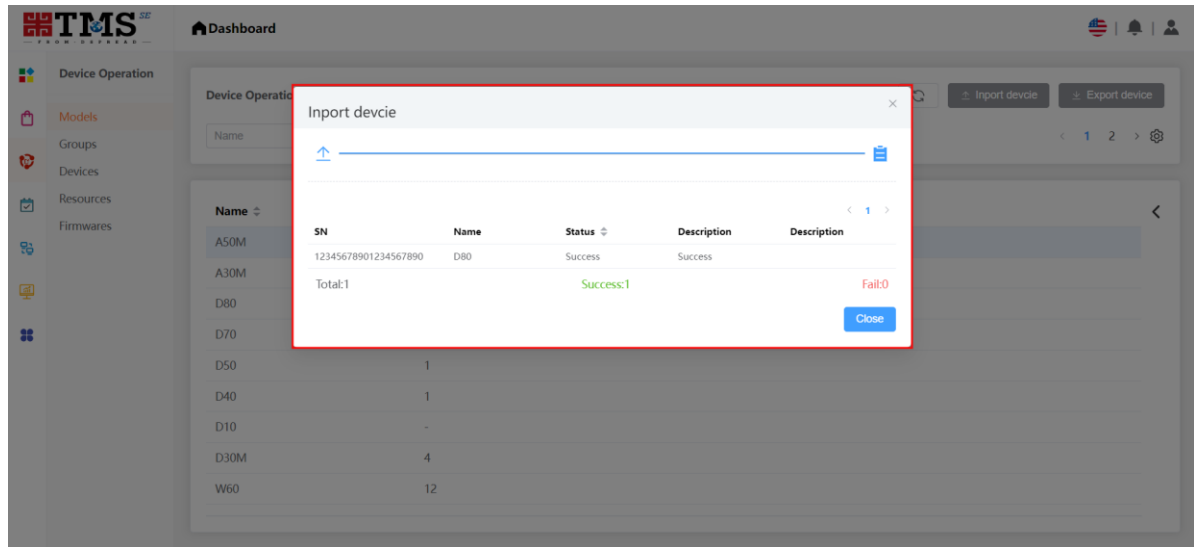
1. In the pop-up page, you need to click the "[Template \(please download the template file and use it\)](#)" button to download the import template, and the template will be displayed as shown in the following figure

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

2. 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).



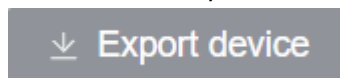
3. Go back to TMS, click "Drag Files Here Click Upload", [Drag Files Here Click Upload](#) upload the completed form in Step 3, and click Next.
4. Click "Submit" to submit the form, and when the interface prompts that the device is successfully imported, the operation is successful.



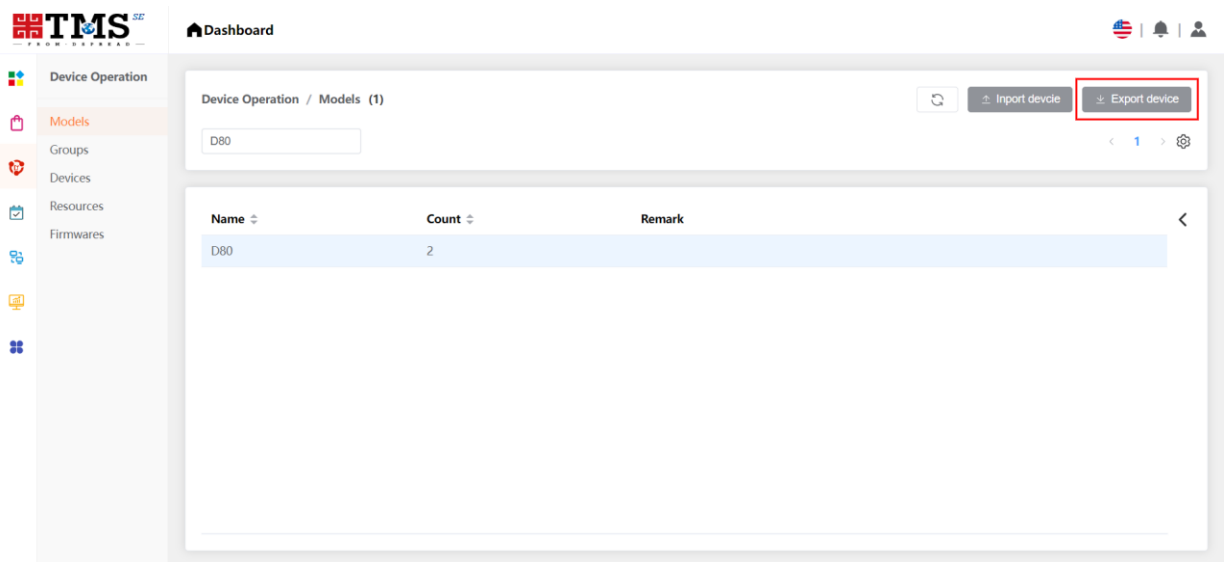
**Note:** Fields with \* are required.

#### 4.1.4. 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.



## 4.2 Group management


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

Dashboard

Device Mgmt / Groups

Name

<input type="checkbox"/>	Name	Quantity	Description	Create Time
<input type="checkbox"/>	Ungrouped	45	-	2024-06-20T02:31:20+08:00
<input type="checkbox"/>	LIH3	0	-	2024-07-17T09:31:07+08:00
<input type="checkbox"/>	LIH2	2	-	2024-07-17T09:31:02+08:00
<input type="checkbox"/>	LIH1	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 the pagination; You can also modify the displayed list header.

Dashboard

Device Mgmt / Groups

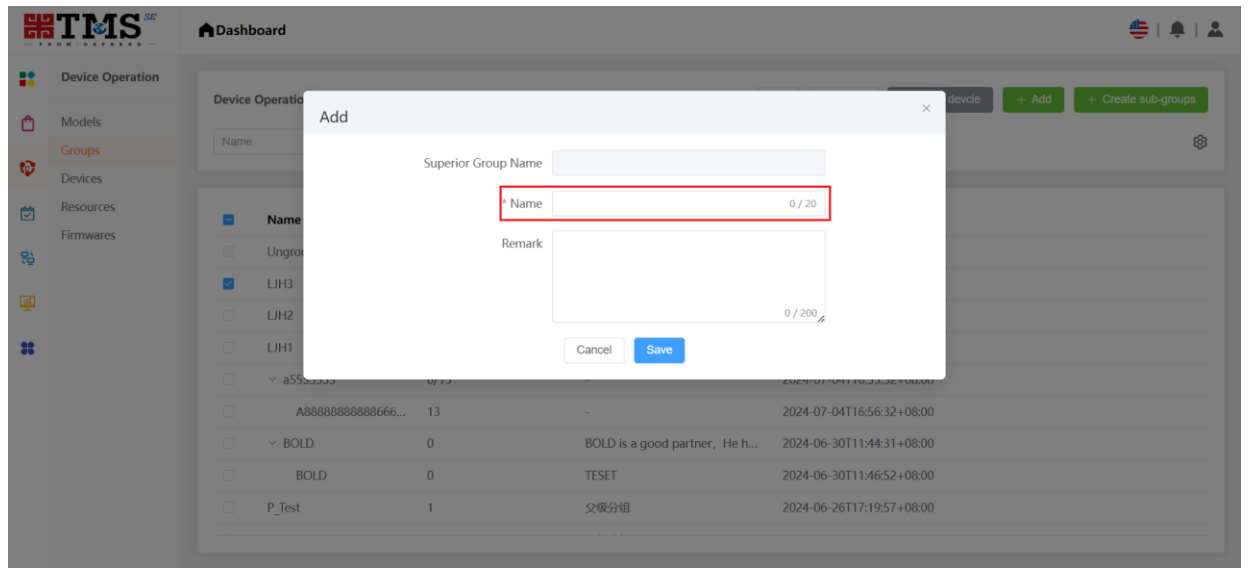
Name


<input type="checkbox"/>	Name	Quantity	Description	Create Time
<input type="checkbox"/>	Ungrouped	45	-	2024-06-20T02:31:20+08:00
<input type="checkbox"/>	LIH3	0	-	2024-07-17T09:31:07+08:00
<input type="checkbox"/>	LIH2	2	-	2024-07-17T09:31:02+08:00
<input type="checkbox"/>	LIH1	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

List Header:

- ☒ Name
- ☐ Quantity
- ☐ Description
- ☐ Create Time

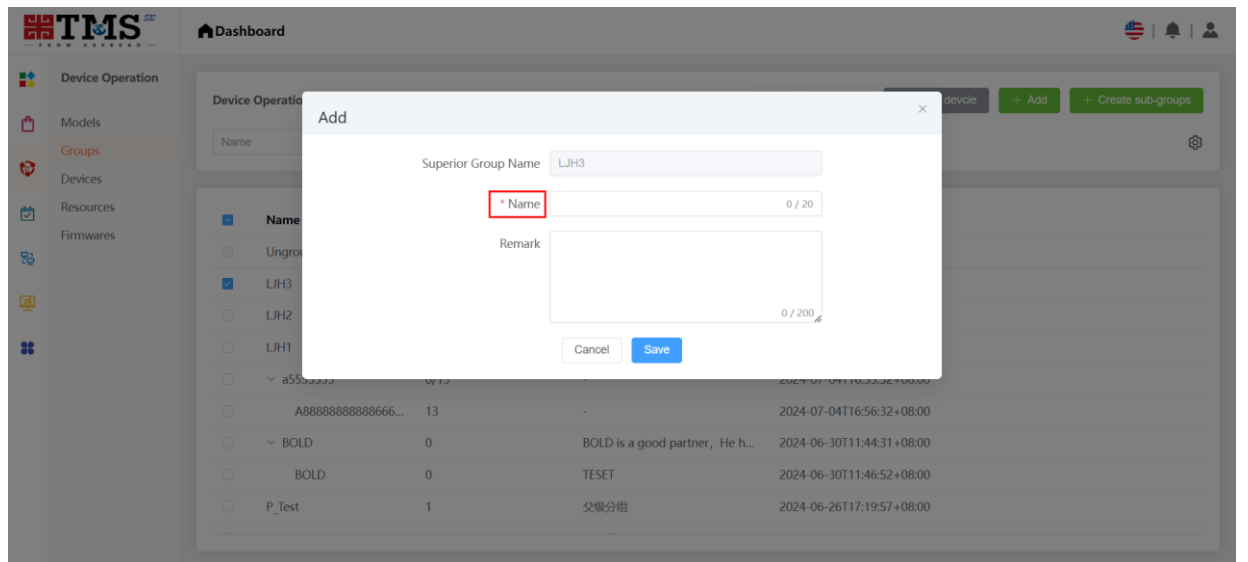
## 4.2.1 Create a new group



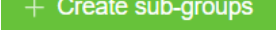
1. Click the Add button in the upper right corner  of the page to create a new group in the pop-up window, and you need to fill in the group name and remarks.

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

## 4.2.2 Create a new subgroup

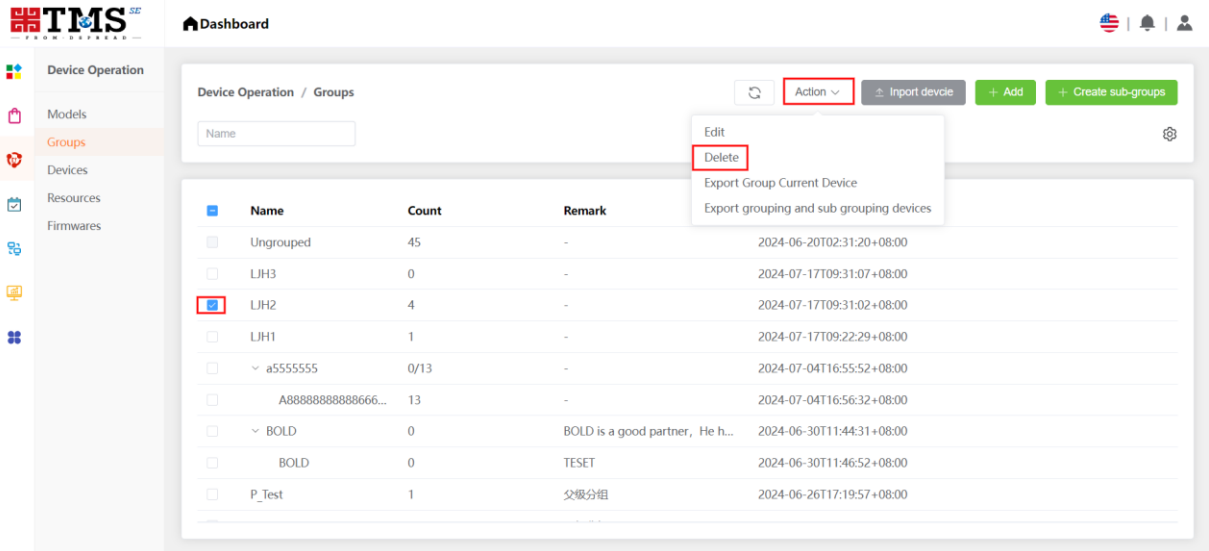


1. Select a group for which you want to create a subgroup.

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.

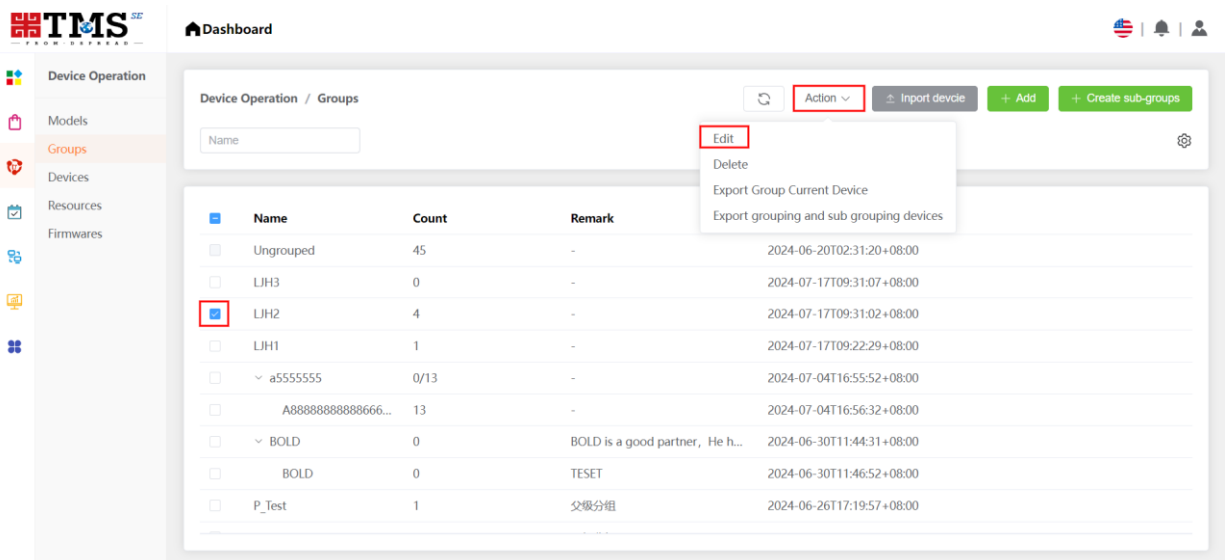
3. Confirm that the information is correct and click "Save".

### 4.2.3 Delete a group



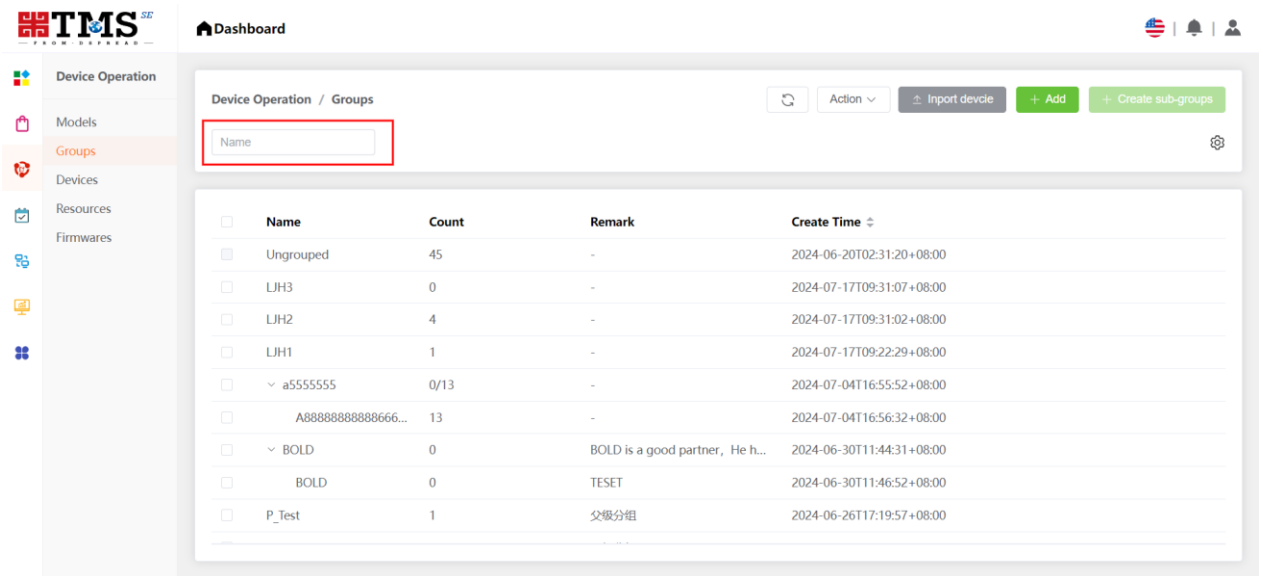
1. Select a group that you want to delete.
2. Click the "Action" button at the top of the interface and click "Delete" in the drop-down box.
3. Click OK in the pop-up window to delete the group.

### 4.2.4 Modify the group



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".

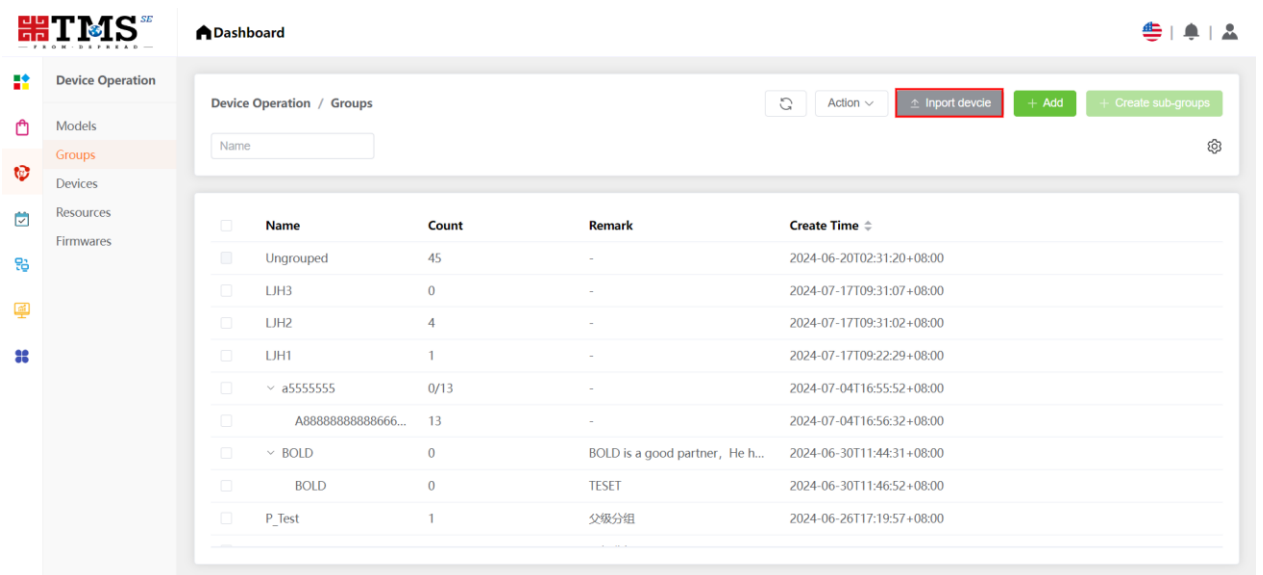
## 4.2.5 Query grouping



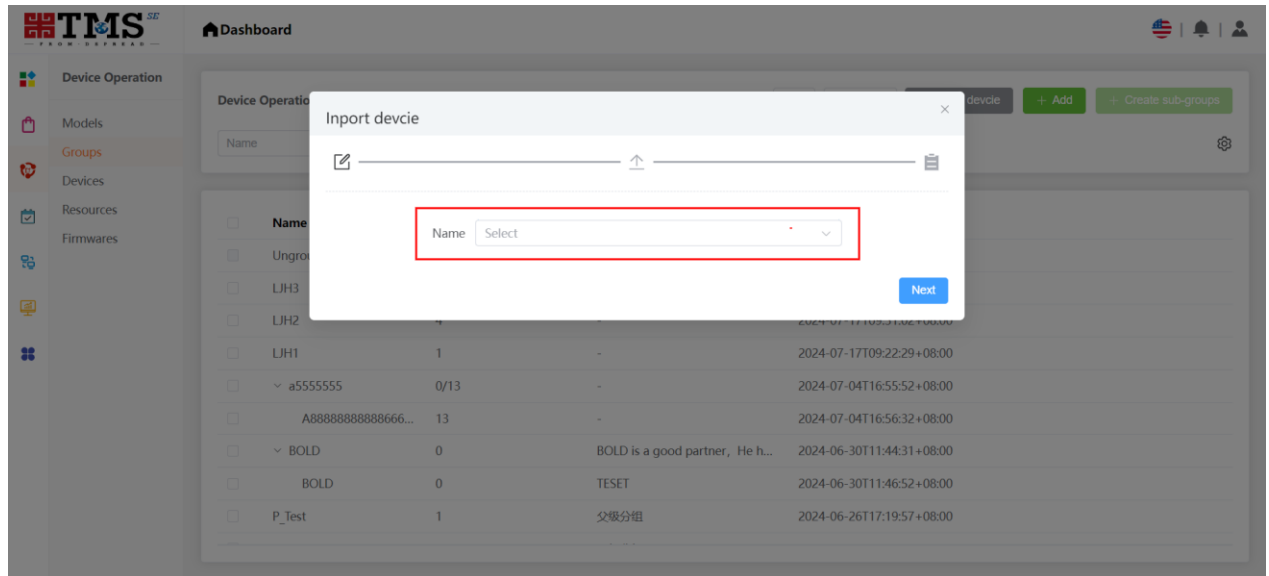
1. Find the input box in the upper left corner of the group management page and enter the full name or part of the keywords to be searched.
2. After completing the input check, click the Enter button to perform the query operation.

## 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.



1. 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).

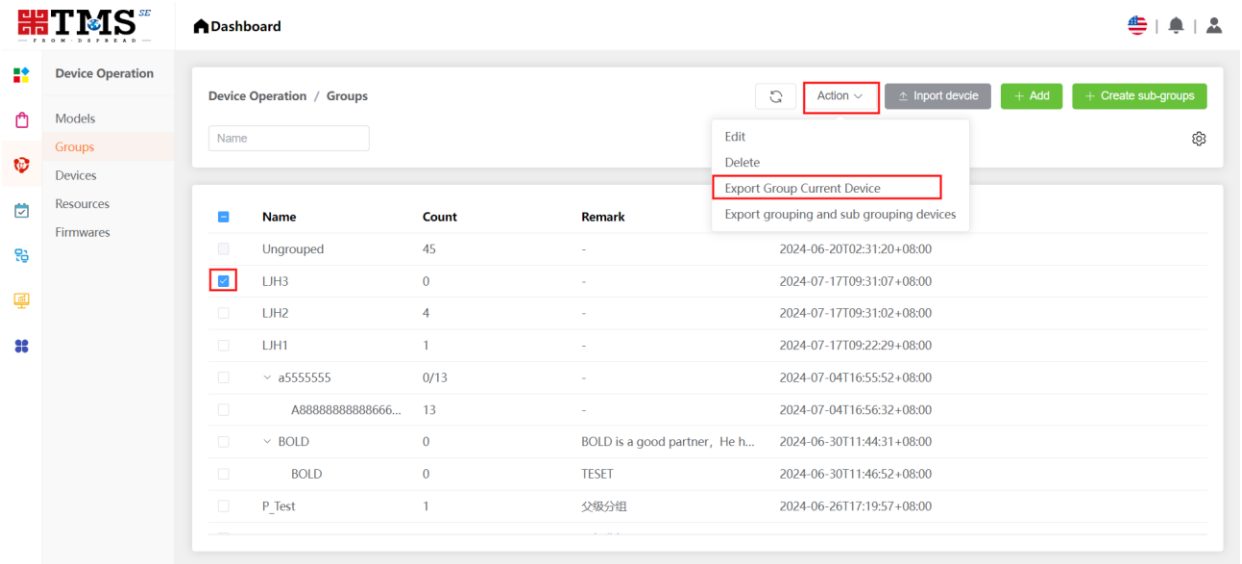


- Go back to TMS, click "Drag Files Here Click Upload", [Drag Files Here Click Upload](#) upload the completed form in Step 3, and click Next.
- Click "Submit" to submit the form, and when the interface prompts that the device is successfully imported, the operation is successful.

**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



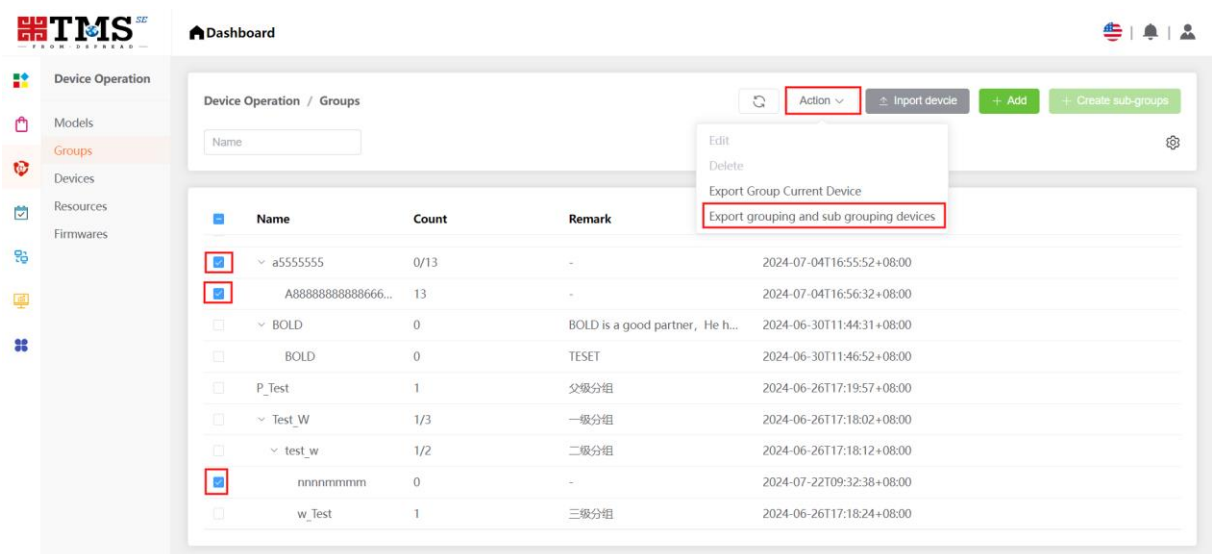
The screenshot shows the LarkTMS interface with the 'Groups' page selected. The 'Action' button is highlighted, and the dropdown menu is open, showing 'Export Group Current Device' as the selected option. The table below lists the groups and their details.

Name	Count	Remark	Timestamp
Ungrouped	45	-	2024-06-20T02:31:20+08:00
LJH3	0	-	2024-07-17T09:31:07+08:00
LJH2	4	-	2024-07-17T09:31:02+08:00
LJH1	1	-	2024-07-17T09:22:29+08:00
a5555555	0/13	-	2024-07-04T16:55:52+08:00
A88888888888666...	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	2024-06-26T17:19:57+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.



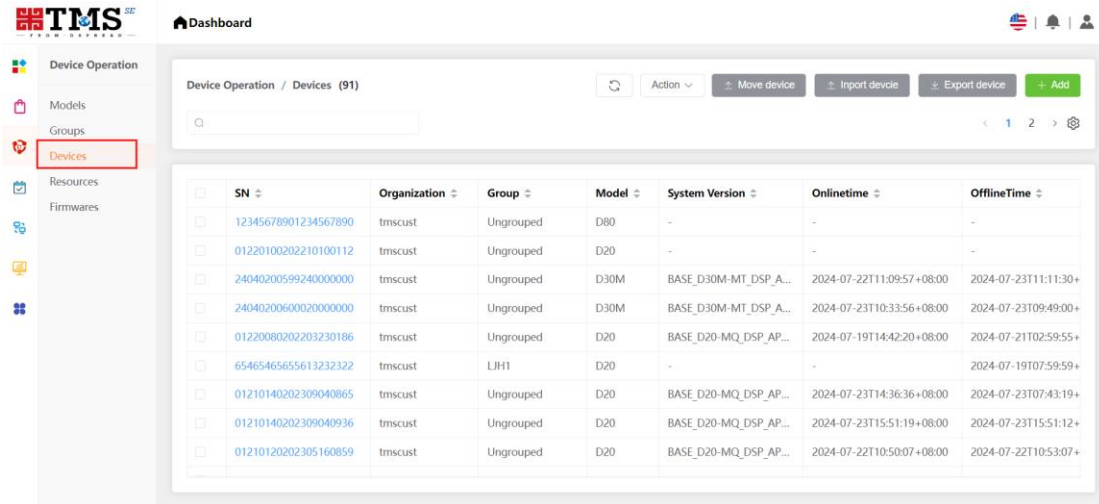
The screenshot shows the LarkTMS interface with the 'Groups' page selected. The 'Action' button is highlighted, and the dropdown menu is open, showing 'Export grouping and sub grouping devices' as the selected option. The table below lists the groups and their details.

Name	Count	Remark	Timestamp
a5555555	0/13	-	2024-07-04T16:55:52+08:00
A88888888888666...	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	2024-06-26T17:19:57+08:00
Test_W	1/3	一级分组	2024-06-26T17:18:02+08:00
test_w	1/2	二级分组	2024-06-26T17:18:12+08:00
nnnnmmmm	0	-	2024-07-22T09:32:38+08:00
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.

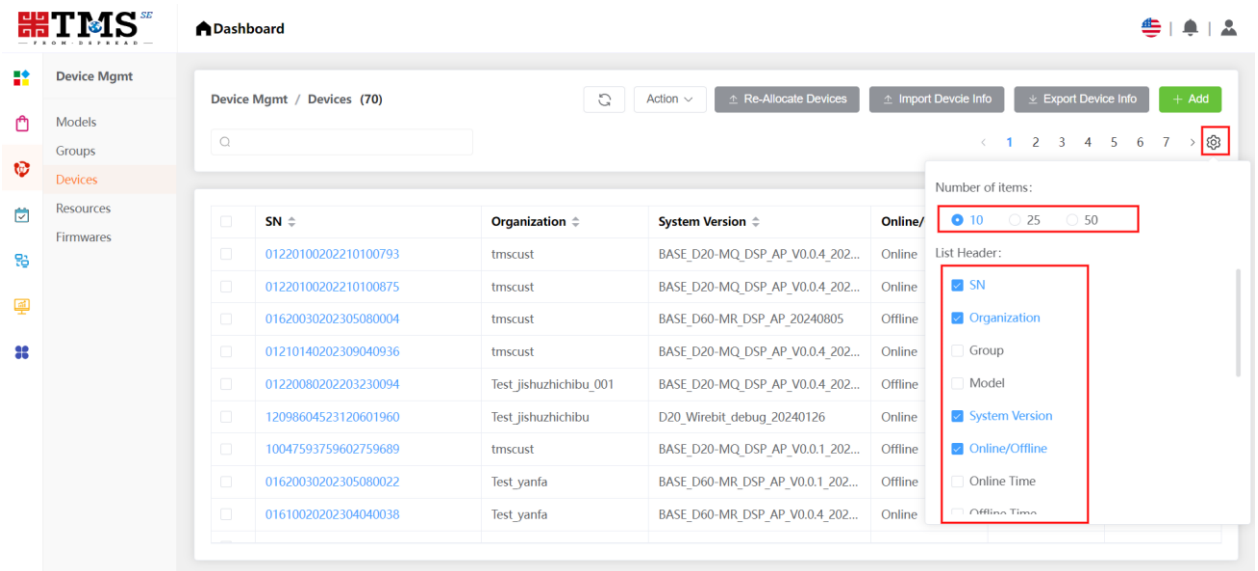
## 4.3 Device Management

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



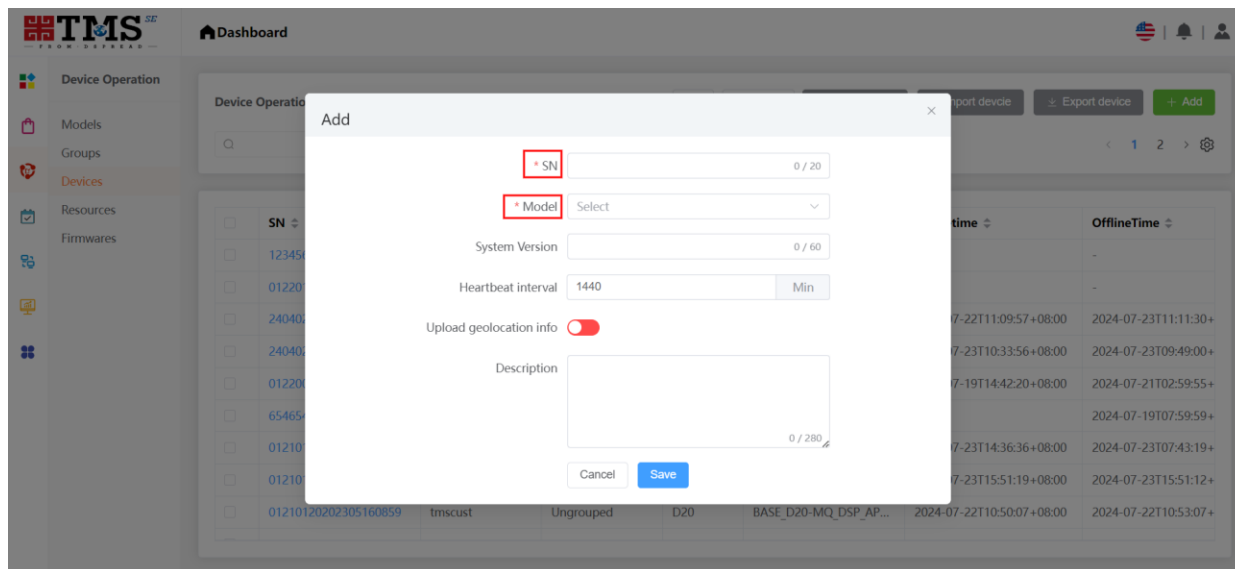
SN	Organization	Group	Model	System Version	Onlinetime	OfflineTime
12345678901234567890	tmscust	Ungrouped	D80	-	-	-
01220100202210100112	tmscust	Ungrouped	D20	-	-	-
24040200599240000000	tmscust	Ungrouped	D30M	BASE_D30M-MT_DSP_A...	2024-07-22T11:09:57+08:00	2024-07-23T11:11:30+
24040200600020000000	tmscust	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+
65465465655613232322	tmscust	LJH1	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+


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
01220100202210100793	tmscust	BASE_D20-MQ_DSP_AP_V0.0.4_202...	Online
01220100202210100875	tmscust	BASE_D20-MQ_DSP_AP_V0.0.4_202...	Online
01620030202305080004	tmscust	BASE_D60-MR_DSP_AP_20240805	Offline
01210140202309040936	tmscust	BASE_D20-MQ_DSP_AP_V0.0.4_202...	Online
01220080202203230094	Test_jishuzhichibu_001	BASE_D20-MQ_DSP_AP_V0.0.4_202...	Offline
12098604523120601960	Test_jishuzhichibu	D20_Wirebit_debug_20240126	Online
10047593759602759689	tmscust	BASE_D20-MQ_DSP_AP_V0.0.1_202...	Offline
01620030202305080022	Test_yanfa	BASE_D60-MR_DSP_AP_V0.0.1_202...	Offline
01610020202304040038	Test_yanfa	BASE_D60-MR_DSP_AP_V0.0.4_202...	Online

### 4.3.1 Add new devices



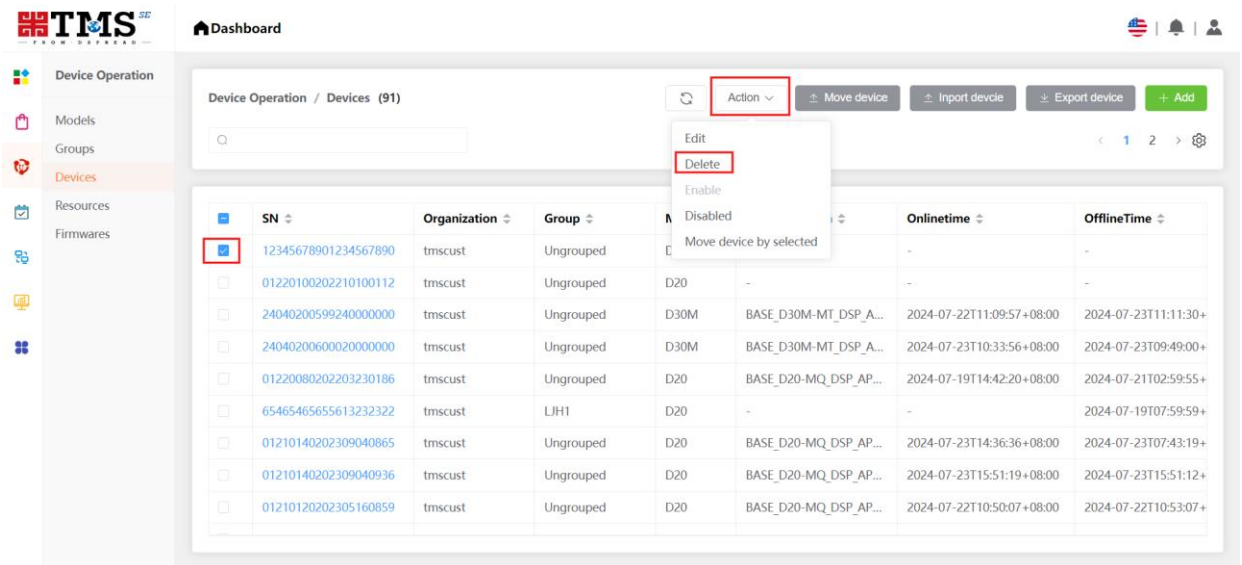
1. Click the Add button in the upper right corner  of the page to add a device in the pop-up window

- 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.

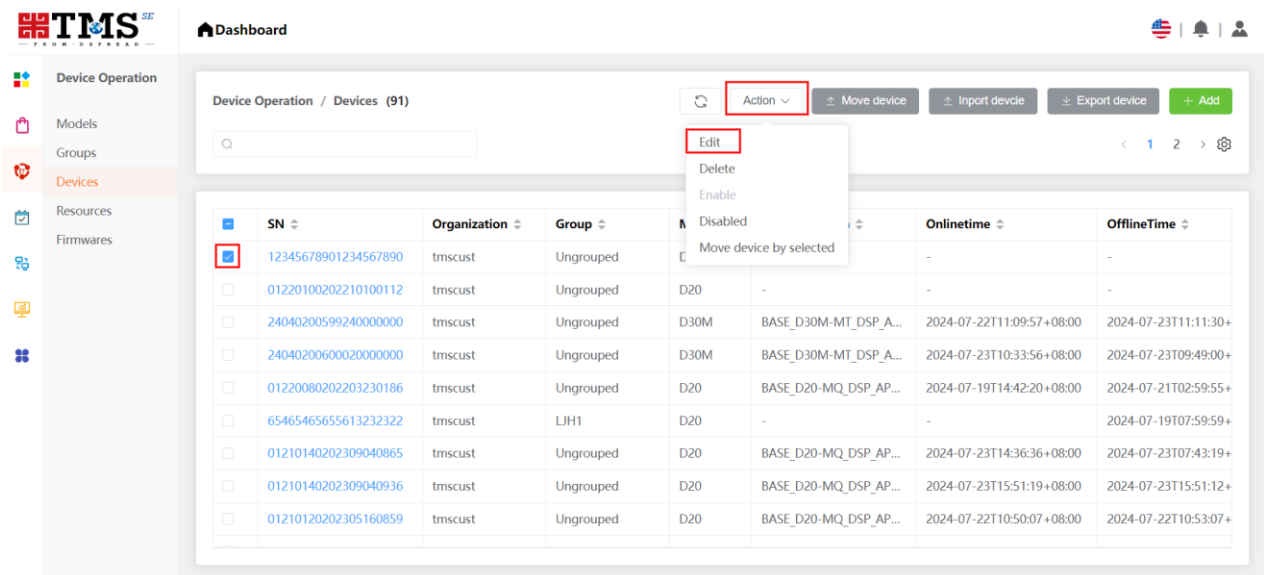
2. After confirming that the information is correct, click "Save" to add the device.

## 4.3.2 Remove the device

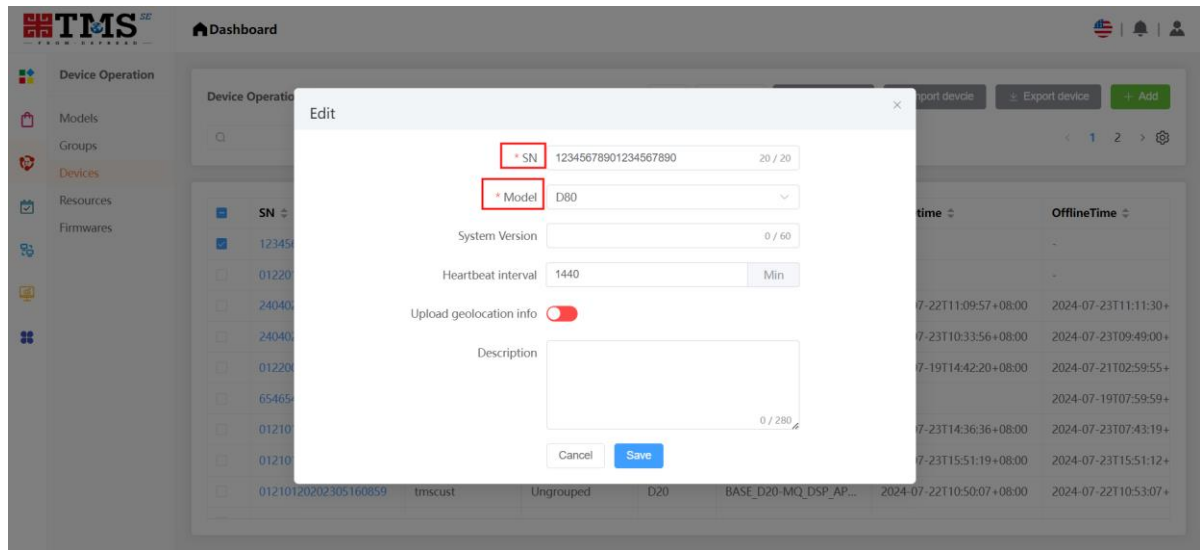


1. Select the device you want to delete, find the "Action" button in the upper right corner of the interface, click the "Delete" button in the drop-down box.
2. Click Confirm in the pop-up window to remove the device.

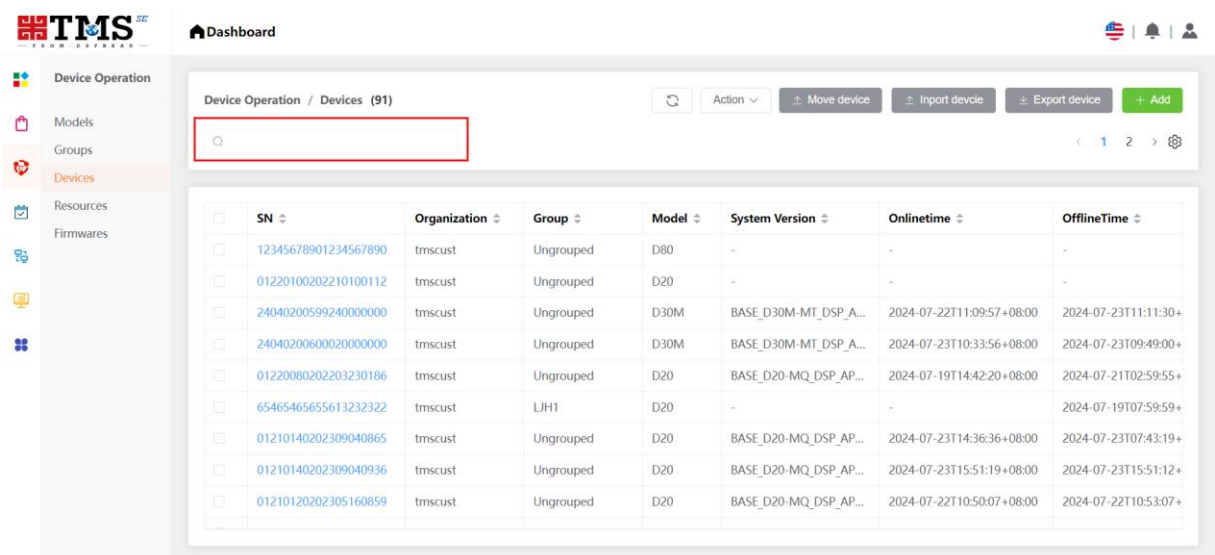
## 4.3.3 Editing Devices



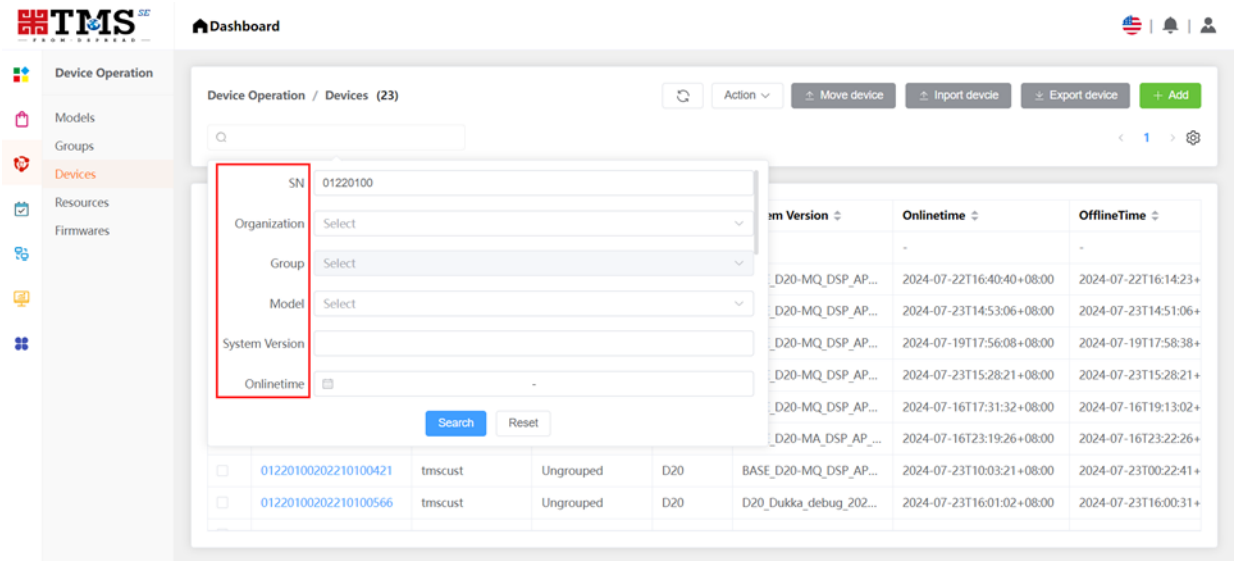
1. Select the device you want to edit, find the "Action" button in the upper right corner of the interface, click the "Edit" button in the drop-down box.
2. In the pop-up window, the information that can be edited is the same as the information entered when adding a new device.
3. Click "Save" to complete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



### 4.3.4 Query device



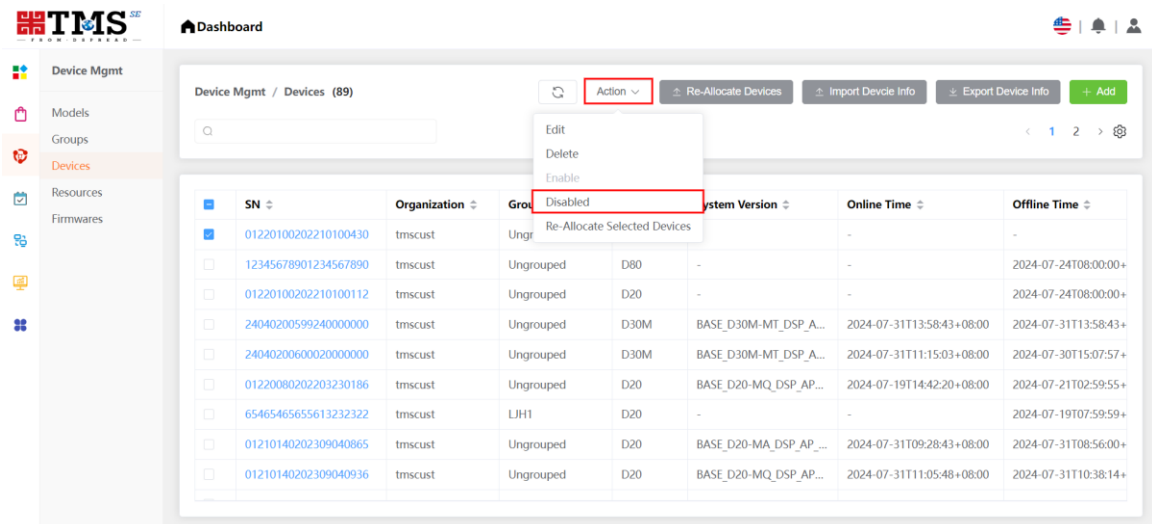
1. Find the search box in the top left corner of the main interface and click it
2. Based on the keywords displayed in the search drop-down box, select the keywords to be queried and enter or select them. You can select a single conditional query or a federated query with multiple criteria.



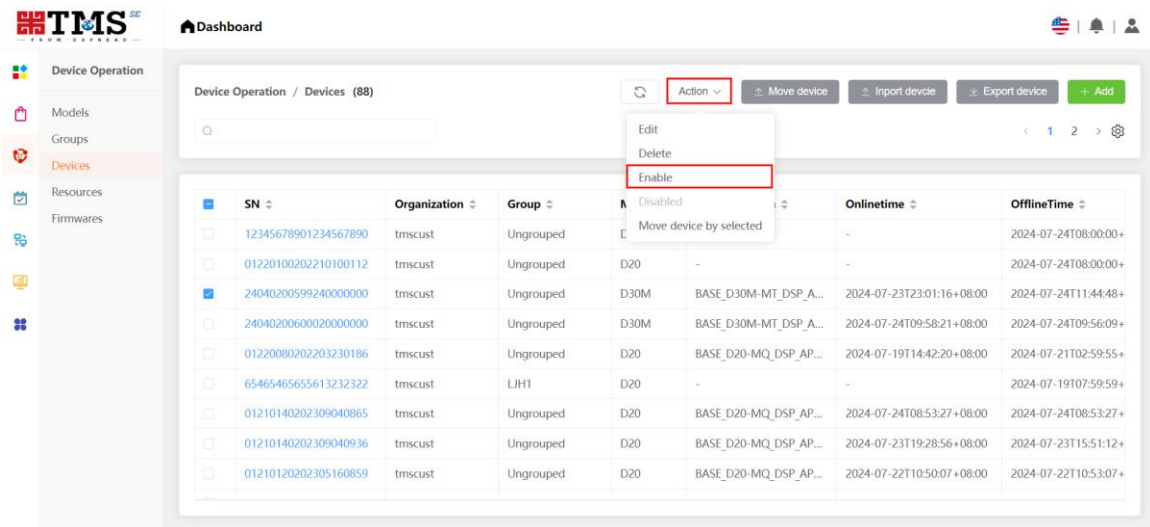
3. Click "Search" to complete the search

### 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.



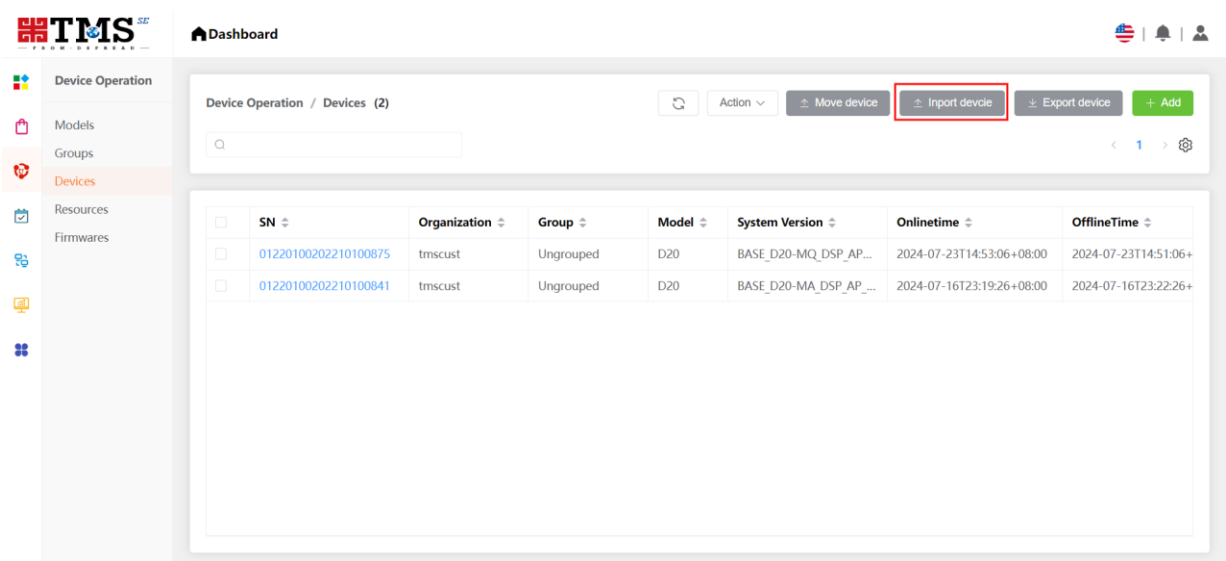
3. In the pop-up window, click OK to disable the device. (Disabled devices cannot receive task pushes).
4. Select the device you want to enable, then click the "Action" button at the top of the page and click the "Enabled" button in the drop-down box.



5. 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.



- 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				

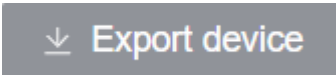
3. Enter the \*SN number, \*Model, and Remark in the template. (The SN number is 20 digits, and the model must be a model that already exists in the system).

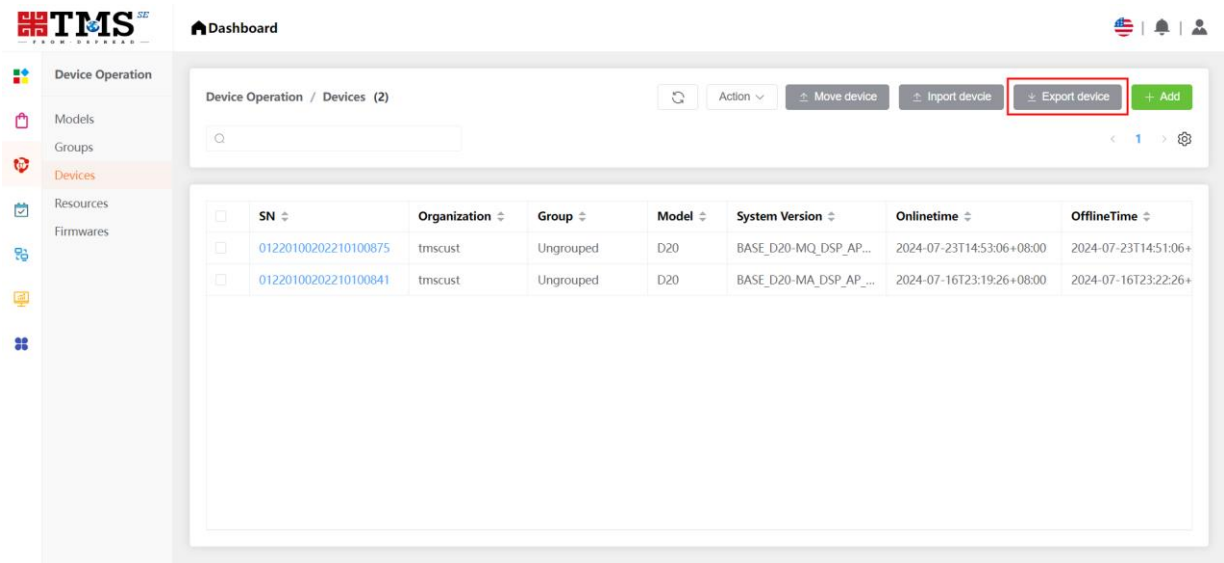


4. Go back to TMS, click "Drag Files Here Click Upload", Drag Files Here [Click Upload](#) upload the completed form in Step 3, and click Next.
5. Click "Submit" to submit the form, and when the interface prompts that the device is successfully imported, the operation is successful.

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

### 4.3.7 Exporting Devices

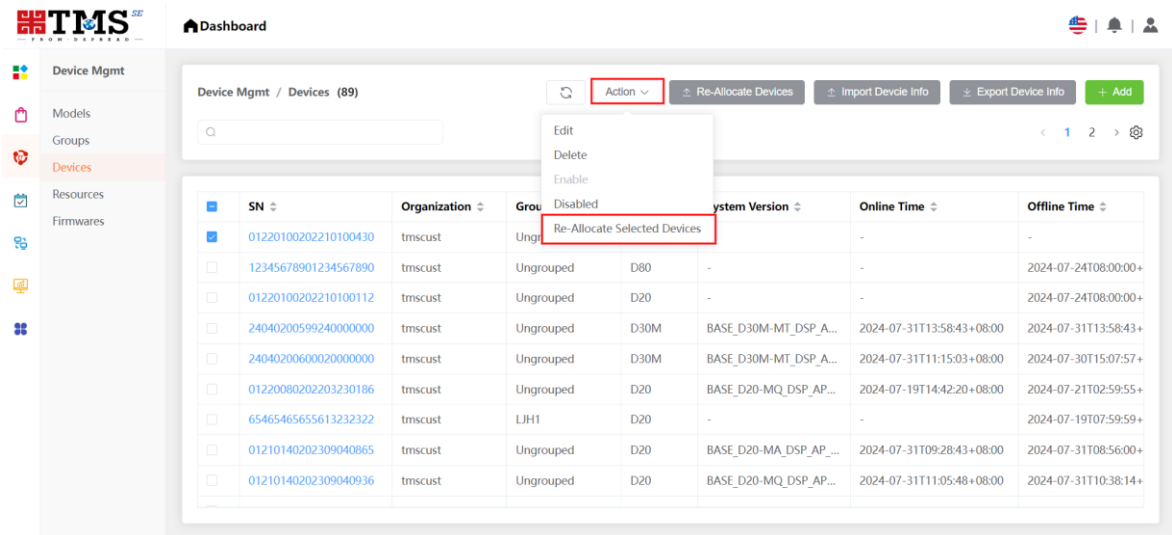
Find the "Export device" button in the upper right corner of the  page and click it to export all the devices in the current search results to an excel sheet.



## 4.3.8 Mobile Devices

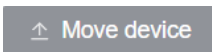
### 4.3.8.1 Select Device Movement

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



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.

**TMS** **Dashboard**

Device Operation / Firmwares (12)

Q

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
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	Unpublis...	2024-07-18T20:00:08+08:00	tmscust	Local File	Unshare
BASE_D20-MQ_WIY_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	Unshare
BASE_D20-MR_WIY_AP	D20	v555.666.666	Unpublis...	-	-	Local File	Unshare
BASE_D20-MR_WIY_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. 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.

**TMS** **Dashboard**

Device Operation / Firmwares (12)

Q

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
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	Unpublis...	2024-07-18T20:00:08+08:00	tmscust	Local File	Unshare
BASE_D20-MQ_WIY_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	Unshare
BASE_D20-MR_WIY_AP	D20	v555.666.666	Unpublis...	-	-	Local File	Unshare
BASE_D20-MR_WIY_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

Number of 10 25 50

Items:

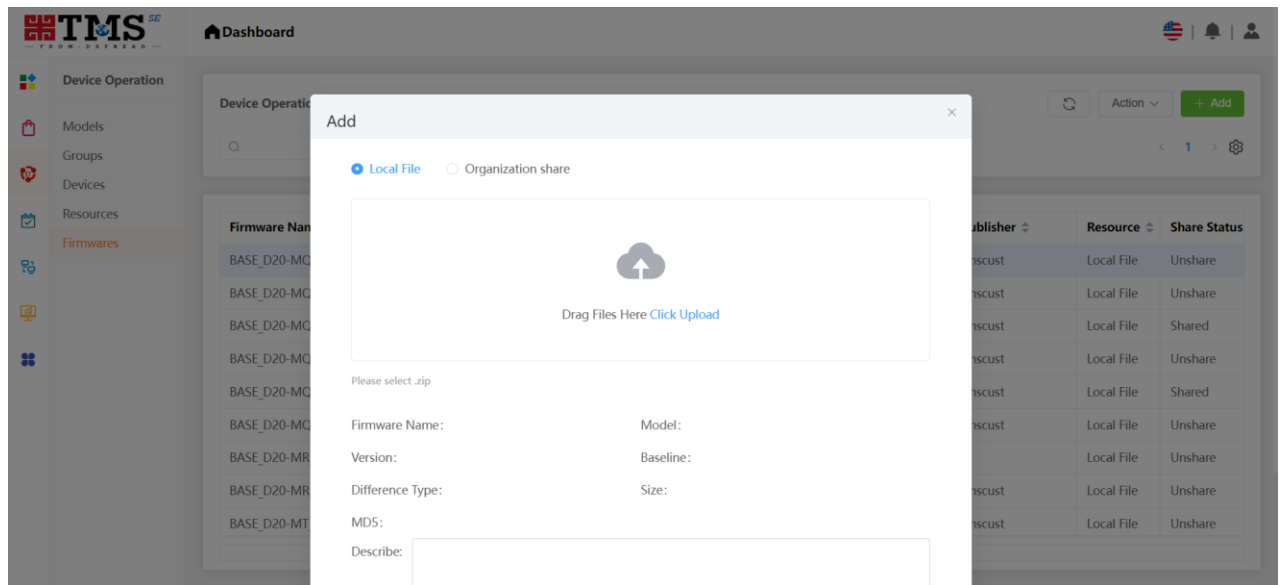
List

Header:

- ☒ Firmware Name
- ☒ Model
- ☒ Version
- ☒ Status
- ☒ Release Time
- ☒ Publisher
- ☒ Resource
- ☐ Clean Order


## 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"  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.

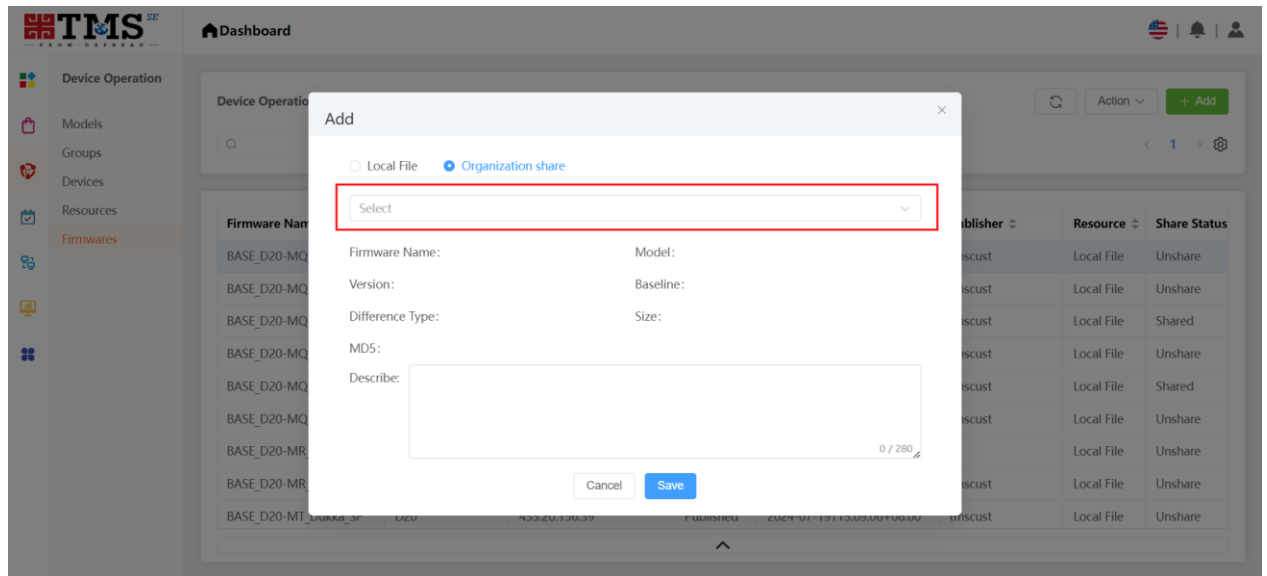
4.Fill in the description of the firmware package, confirm that it is correct, and click Save.

### 4.4.1.2 Add shared firmware

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

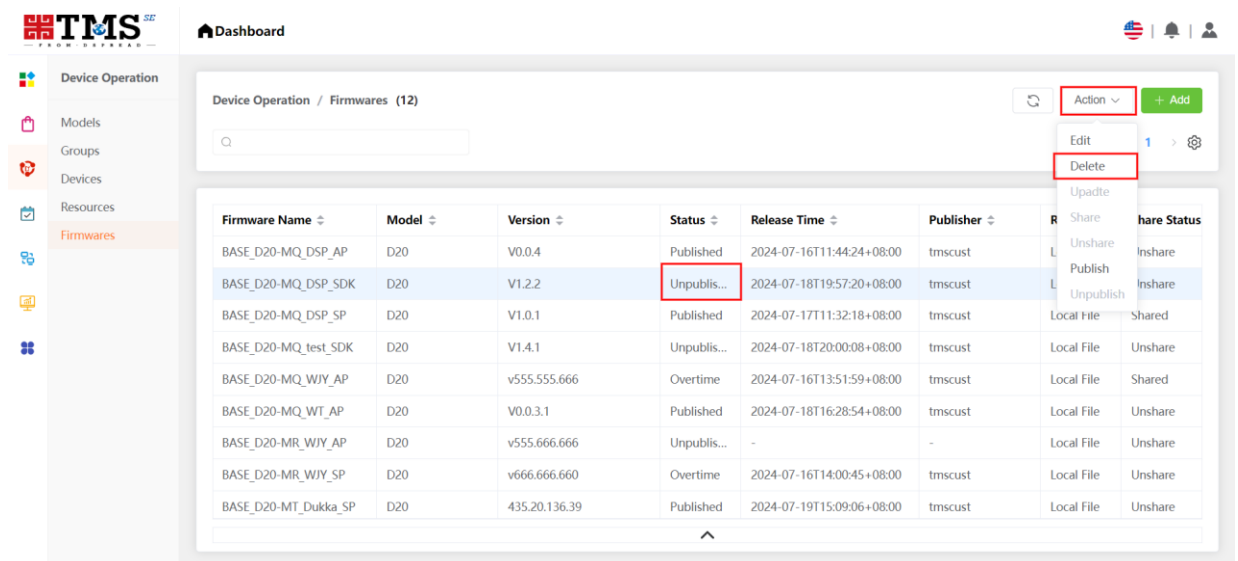


2.In the pop-up window, select Organizations  Organizations to add the organization's shared firmware



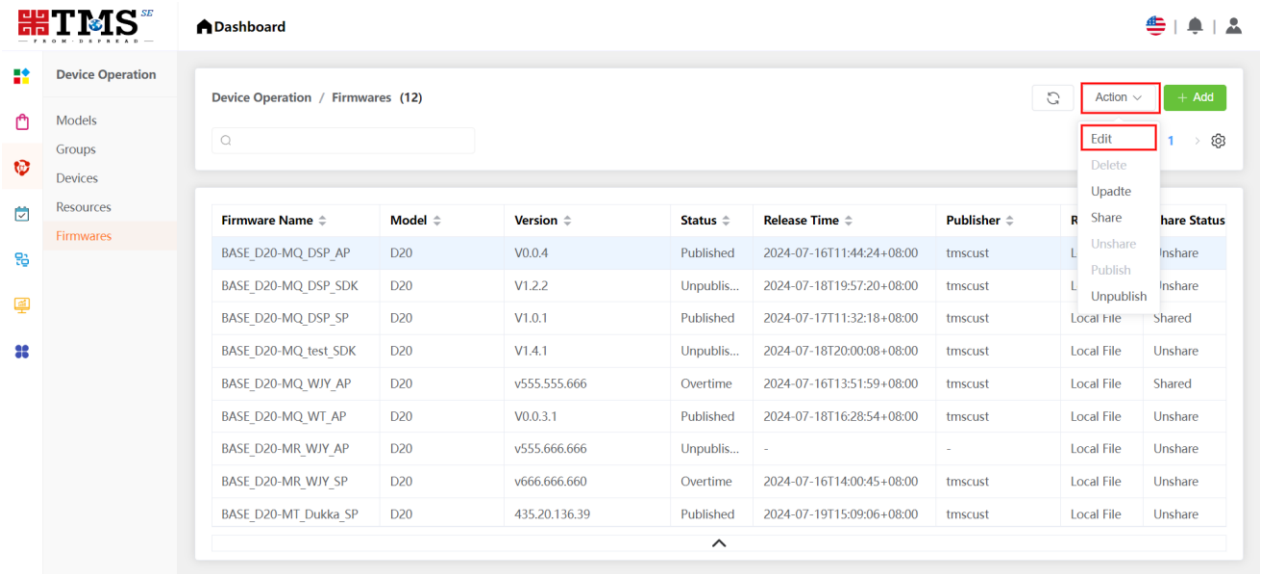
3. Select a firmware shared by the parent organization in the Select selection box.
4. The system will automatically parse out the corresponding information and click Save.

## 4.4.2 Remove the firmware

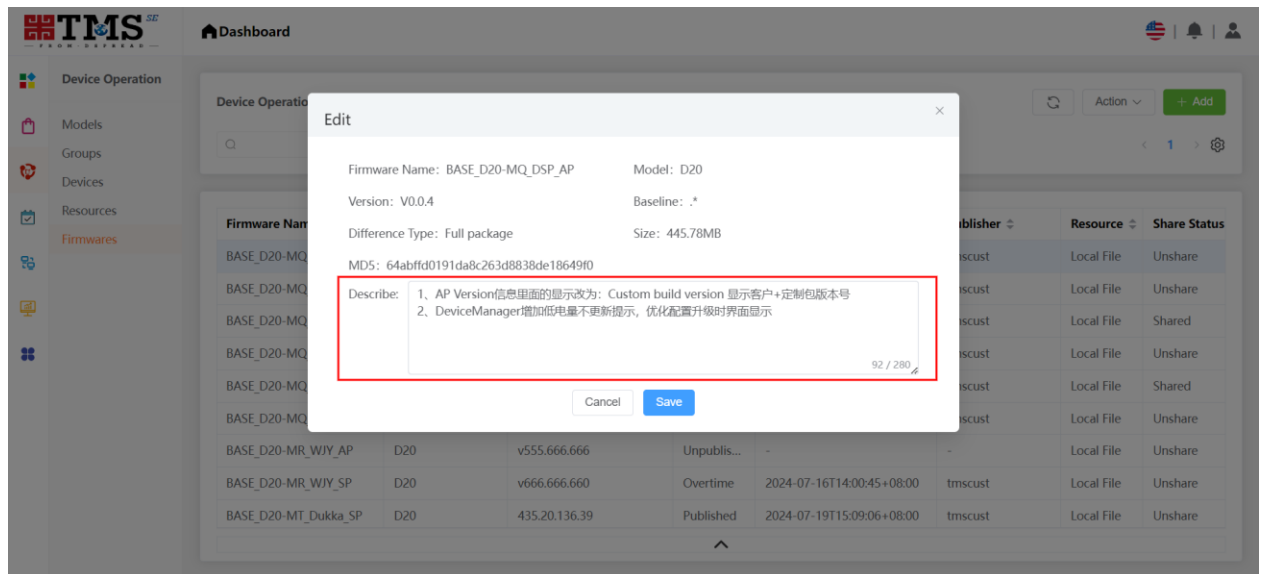


1. **Note:** Firmware can be removed only if it is in a non-release state
2. Click the firmware row you want to remove, click the "Action" button at the top of the page, and click "Delete" in the drop-down box.
3. Click Confirm in the pop-up window to remove the firmware.

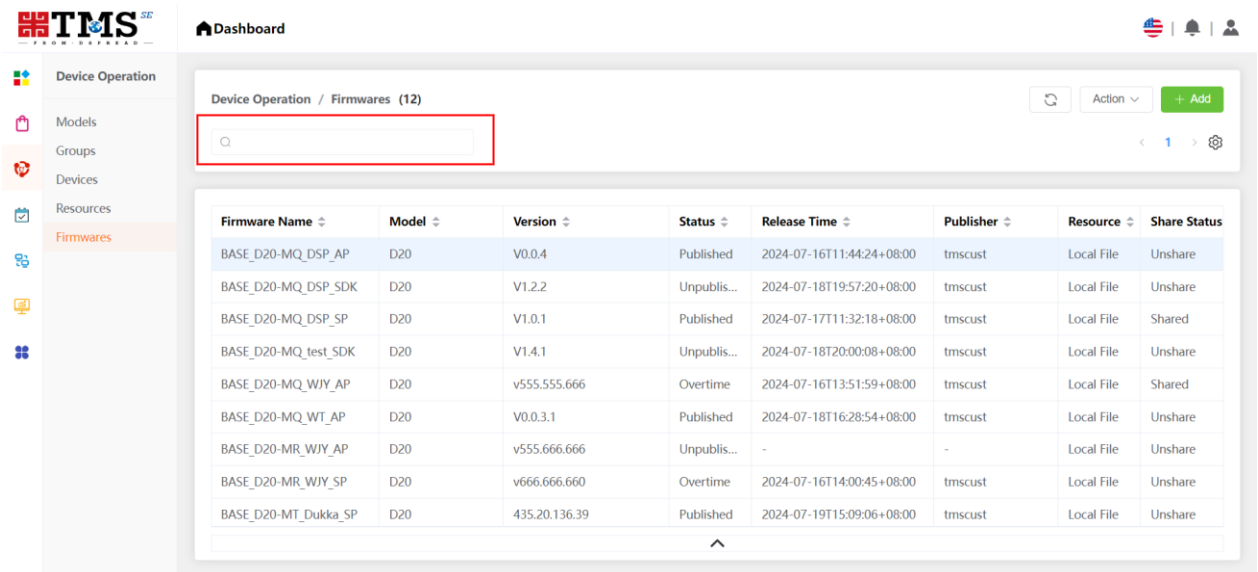
### 4.4.3 Modify the firmware



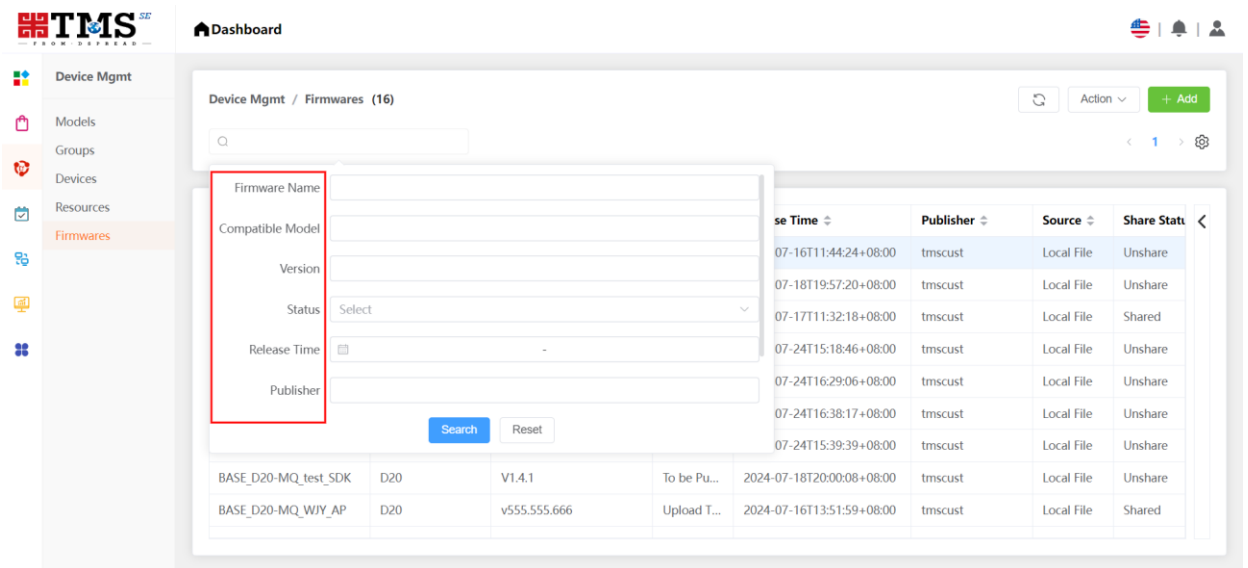
1. Click the firmware row you want to modify, click the "Action" button at the top of the page, and click "Edit" in the drop-down box.
2. In the pop-up window, you can modify the description of the firmware package, and click "Save" to complete the modification.



## 4.4.4 Query firmware



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.

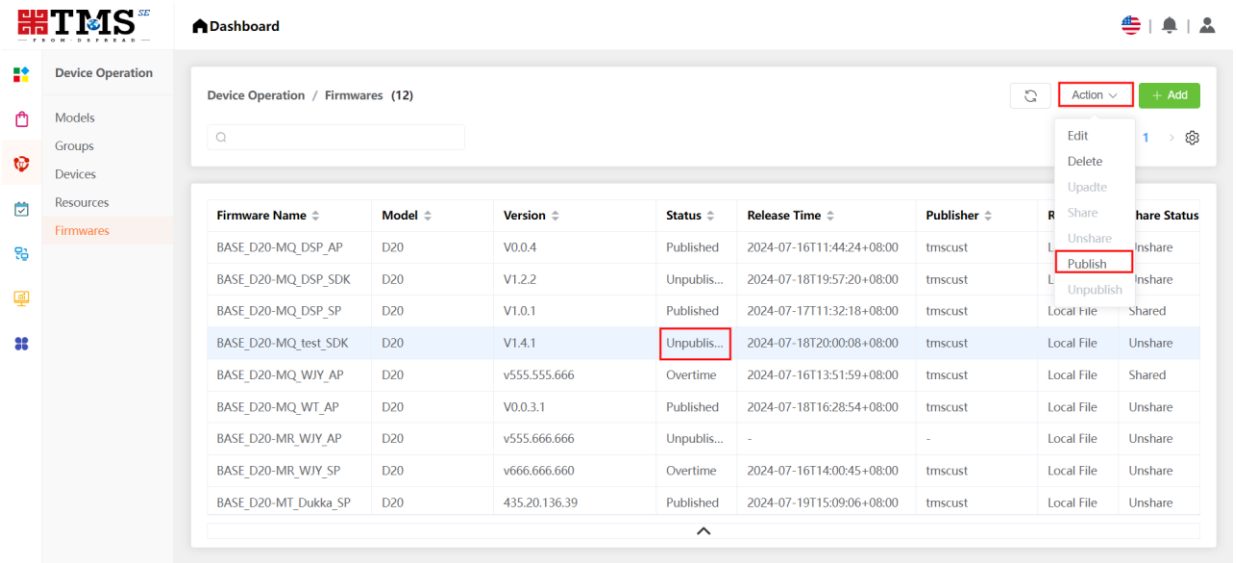


Search

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.

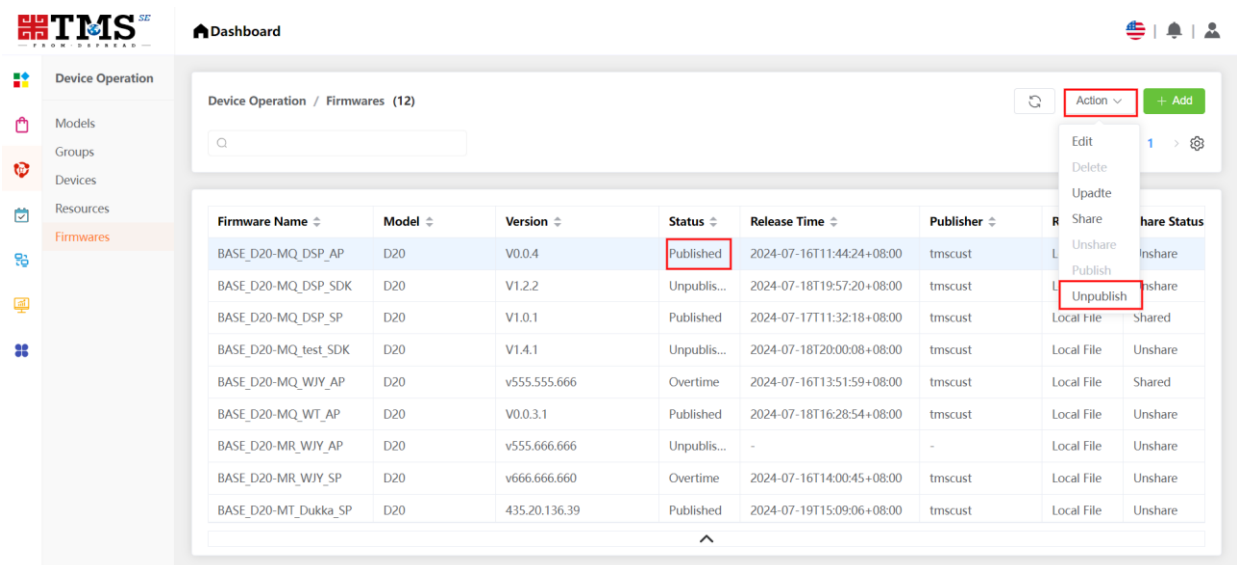


Device Operation / Firmwares (12)

Firmware Name	Model	Version	Status	Release Time	Publisher	Share	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
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	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	Unshare
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

## 4.4.6 Deactivate the firmware

1. 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.

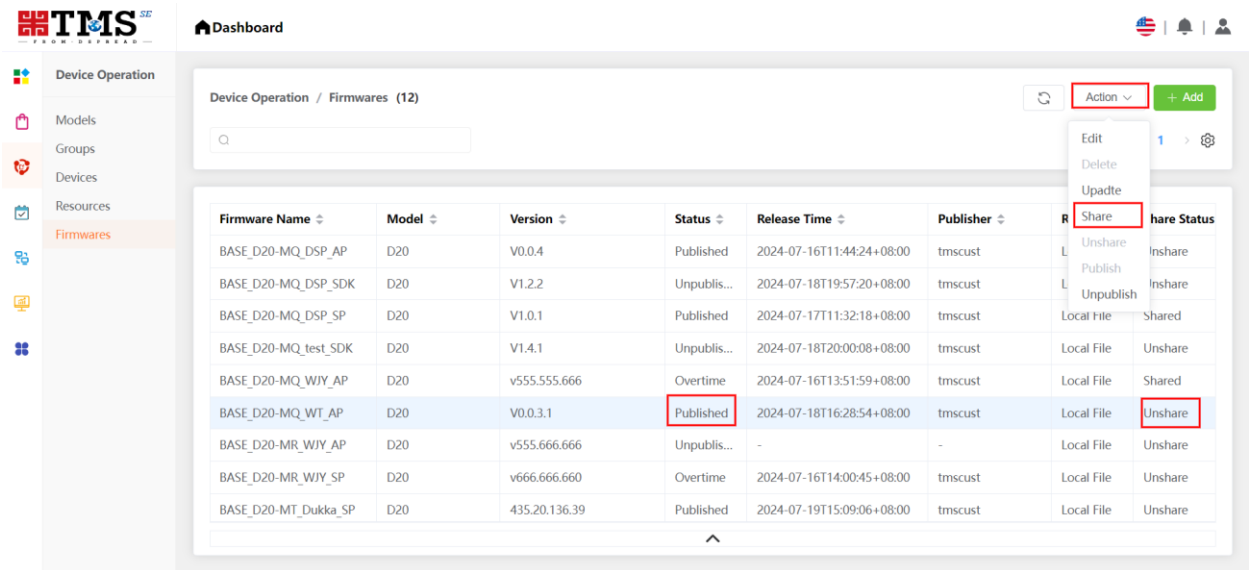


Device Operation / Firmwares (12)

Firmware Name	Model	Version	Status	Release Time	Publisher	Share	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
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	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	Unshare
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

## 4.4.7 Shared firmware

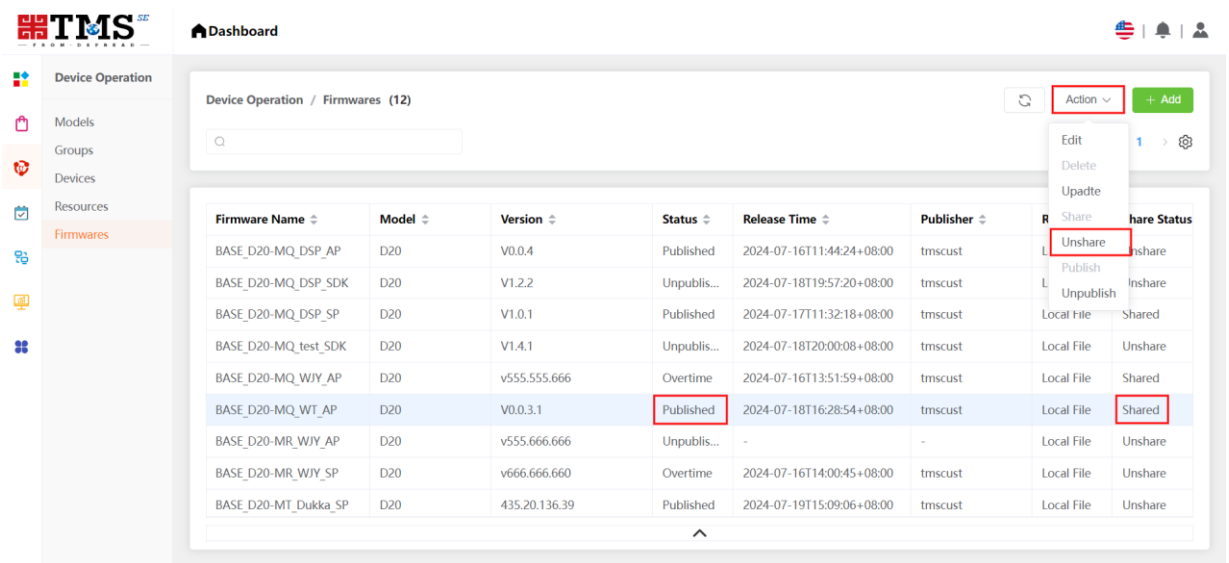
- Note:** The prerequisite for sharing firmware is that the firmware is in a published state.
- Select the released firmware row to be shared, click the Action button in the upper right corner of the page, and select Share in the drop-down box to complete the firmware sharing.



Device Operation / Firmwares (12)

Firmware Name	Model	Version	Status	Release Time	Publisher	Share	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
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	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	Unshare
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

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 "Unsharing" in the drop-down box to unshare the firmware.

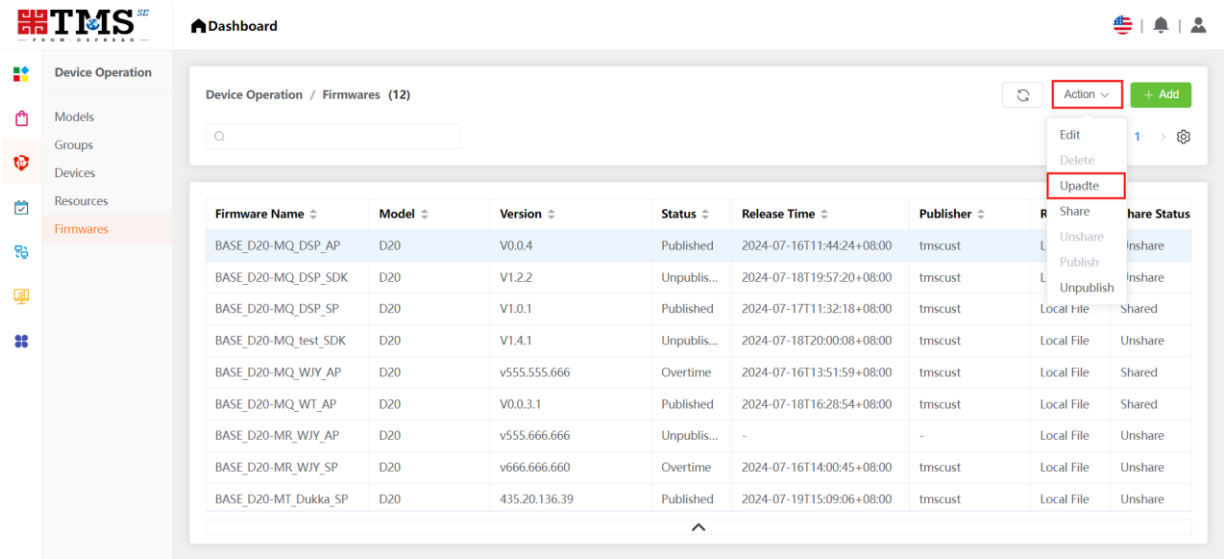


Device Operation / Firmwares (12)

Firmware Name	Model	Version	Status	Release Time	Publisher	Share	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
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	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


## 4.4.8 Upgrade the firmware

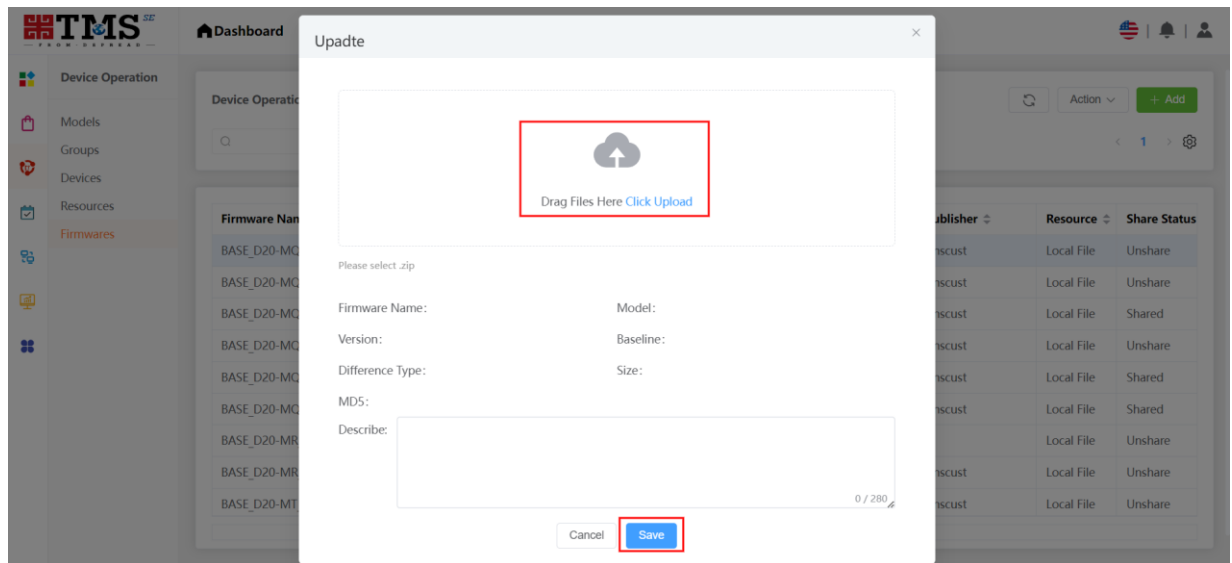
1. Select the firmware row to be upgraded, click the "Action" button in the upper right corner of the page, and select "Update" from the drop-down list.



Device Operation / Firmwares (12)

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

**TMS** FROM DSPREAD

Dashboard

Device Operation / Firmwares (12)

Q

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
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	Unpublis...	2024-07-18T20:00:08+08:00	tmscust	Local File	Unshare
BASE_D20-MQ_WIY_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_WIY_AP	D20	v555.666.666	Unpublis...	-	-	Local File	Unshare
BASE_D20-MR_WIY_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

**TMS** FROM DSPREAD



Dashboard

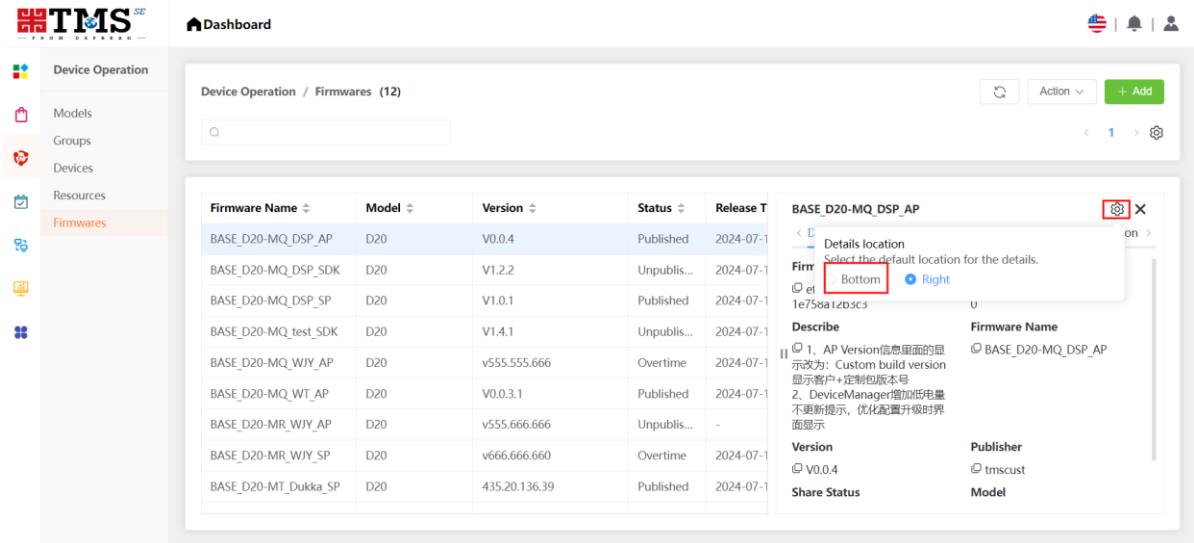
Device Operation / Firmwares (12)

Q

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
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	Unpublis...	2024-07-18T20:00:08+08:00	tmscust	Local File	Unshare
BASE_D20-MQ_WIY_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_WIY_AP	D20	v555.666.666	Unpublis...	-	-	Local File	Unshare
BASE_D20-MR_WIY_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

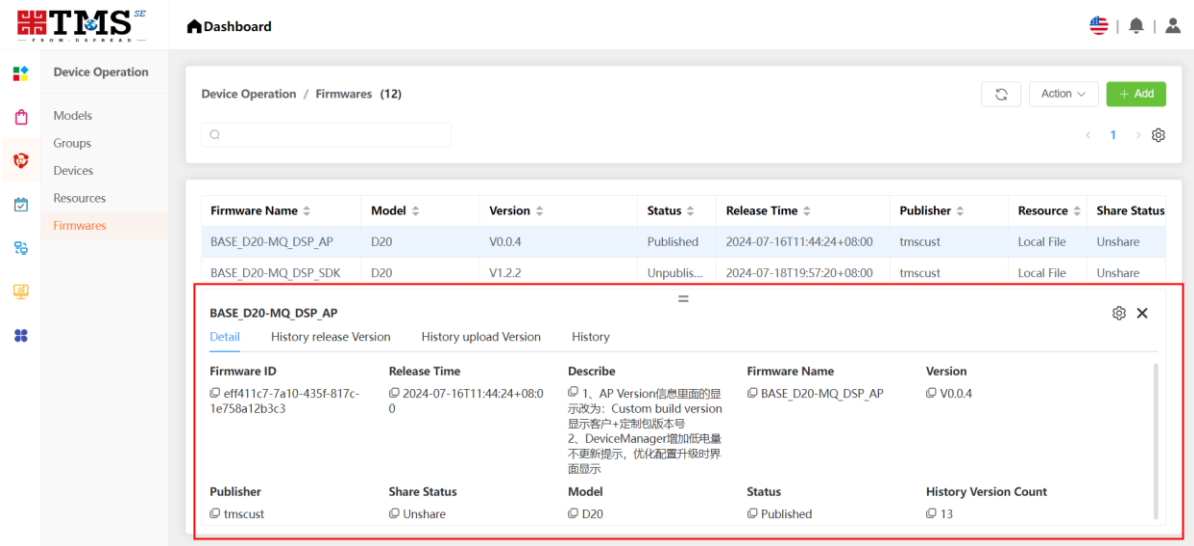
2. After you open the details, you can view the historical release versions, historical upload records, historical tasks, and other information

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 TMS Dashboard with the 'Firmwares' section selected. A table lists 12 firmwares. The 'BASE\_D20-MQ\_DSP\_AP' firmware is highlighted, and its details are shown in a pop-up window. The details window includes fields for Firmware Name, Version, Publisher, and Model. A red box highlights the 'Details location' dropdown menu, which is set to 'Bottom'.

Firmware Name	Model	Version	Status	Release Time
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Published	2024-07-16T11:44:24+08:00
BASE_D20-MQ_DSP_SDK	D20	V1.2.2	Unpublished	2024-07-18T19:57:20+08:00
BASE_D20-MQ_DSP_SP	D20	V1.0.1	Published	2024-07-16T11:44:24+08:00
BASE_D20-MQ_test_SDK	D20	V1.4.1	Unpublished	2024-07-16T11:44:24+08:00
BASE_D20-MQ_WJY_AP	D20	v555.555.666	Overtime	2024-07-16T11:44:24+08:00
BASE_D20-MQ_WT_AP	D20	V0.0.3.1	Published	2024-07-16T11:44:24+08:00
BASE_D20-MR_WJY_AP	D20	v555.666.666	Unpublished	-
BASE_D20-MR_WJY_SP	D20	v666.666.660	Overtime	2024-07-16T11:44:24+08:00
BASE_D20-MT_Dukka_SP	D20	435.20.136.39	Published	2024-07-16T11:44:24+08:00



The screenshot shows the TMS Dashboard with the 'Firmwares' section selected. A table lists 12 firmwares. The 'BASE\_D20-MQ\_DSP\_AP' firmware is highlighted, and its details are shown in a pop-up window. The details window includes fields for Firmware Name, Version, Publisher, and Model. A red box highlights the 'Historical Release Version' tab, which displays a table of historical release versions.

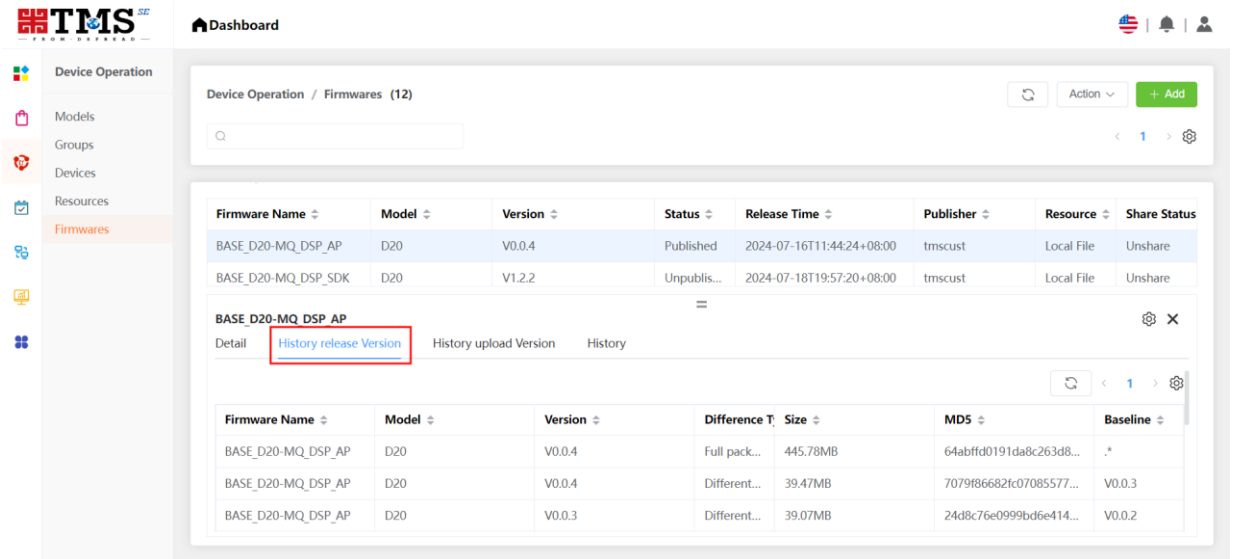
Firmware Name	Model	Version	Status	Release Time	Publisher	Resource	Share Status
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Published	2024-07-16T11:44:24+08:00	tmscust	Local File	Unshare
BASE_D20-MQ_DSP_SDK	D20	V1.2.2	Unpublished	2024-07-18T19:57:20+08:00	tmscust	Local File	Unshare

Firmware ID	Release Time	Description	Firmware Name	Version
eff411c7-7a10-435f-817c-1e758a12b3c3	2024-07-16T11:44:24+08:00	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增加低电量不更新提示, 优化配置升级时界面显示	BASE_D20-MQ_DSP_AP	V0.0.4

Publisher	Share Status	Model	Status	History Version Count
tmscust	Unshare	D20	Published	13

## 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 interface with the 'Firmwares' section selected. A details pop-up window for 'BASE\_D20-MQ\_DSP\_AP' is open, and the 'History release Version' tab is highlighted. The main table lists firmwares with columns: Firmware Name, Model, Version, Status, Release Time, Publisher, Resource, and Share Status.

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

The details pop-up window for 'BASE\_D20-MQ\_DSP\_AP' shows the following tabs: Detail, History release Version (highlighted), History upload Version, and History.

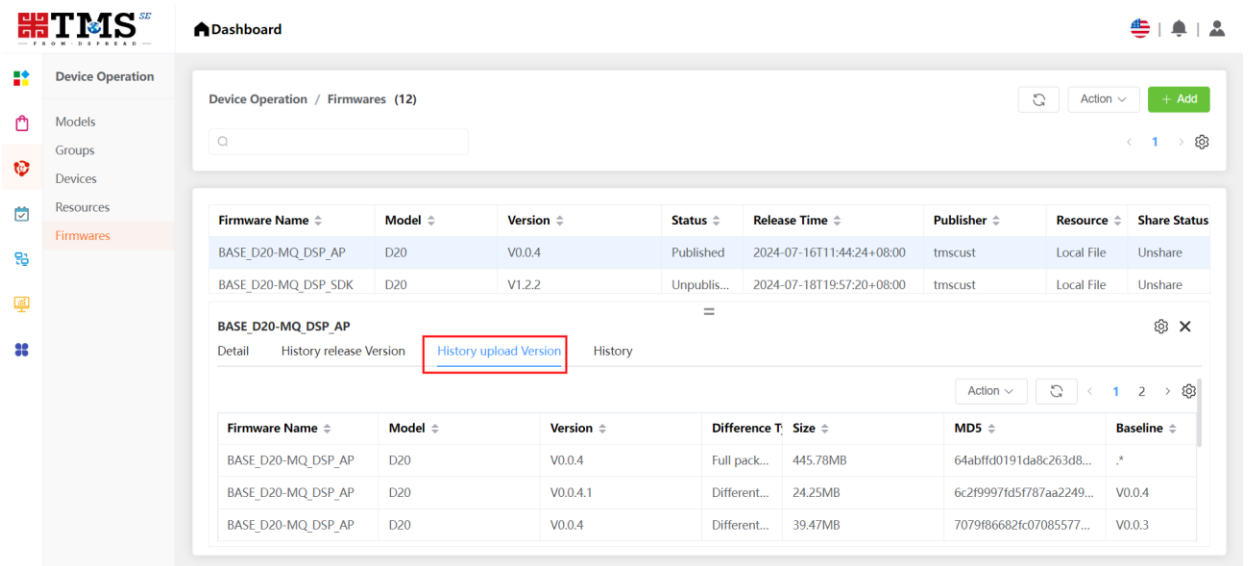
Firmware Name	Model	Version	Difference T	Size	MDS	Baseline
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Full pack...	445.78MB	64abffd0191da8c263d8...	.*
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Different...	39.47MB	7079f86682fc07085577...	V0.0.3
BASE_D20-MQ_DSP_AP	D20	V0.0.3	Different...	39.07MB	24d8c76e0999bd6e414...	V0.0.2

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 interface with the 'Firmwares' section selected. A details pop-up window for 'BASE\_D20-MQ\_DSP\_AP' is open, and the 'History upload Version' tab is highlighted. The main table lists firmwares with columns: Firmware Name, Model, Version, Status, Release Time, Publisher, Resource, and Share Status.

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

The details pop-up window for 'BASE\_D20-MQ\_DSP\_AP' shows the following tabs: Detail, History release Version, History upload Version (highlighted), and History.

Firmware Name	Model	Version	Difference T	Size	MDS	Baseline
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Full pack...	445.78MB	64abffd0191da8c263d8...	.*
BASE_D20-MQ_DSP_AP	D20	V0.0.4.1	Different...	24.25MB	6c2f9997fd5f787aa2249...	V0.0.4
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Different...	39.47MB	7079f86682fc07085577...	V0.0.3

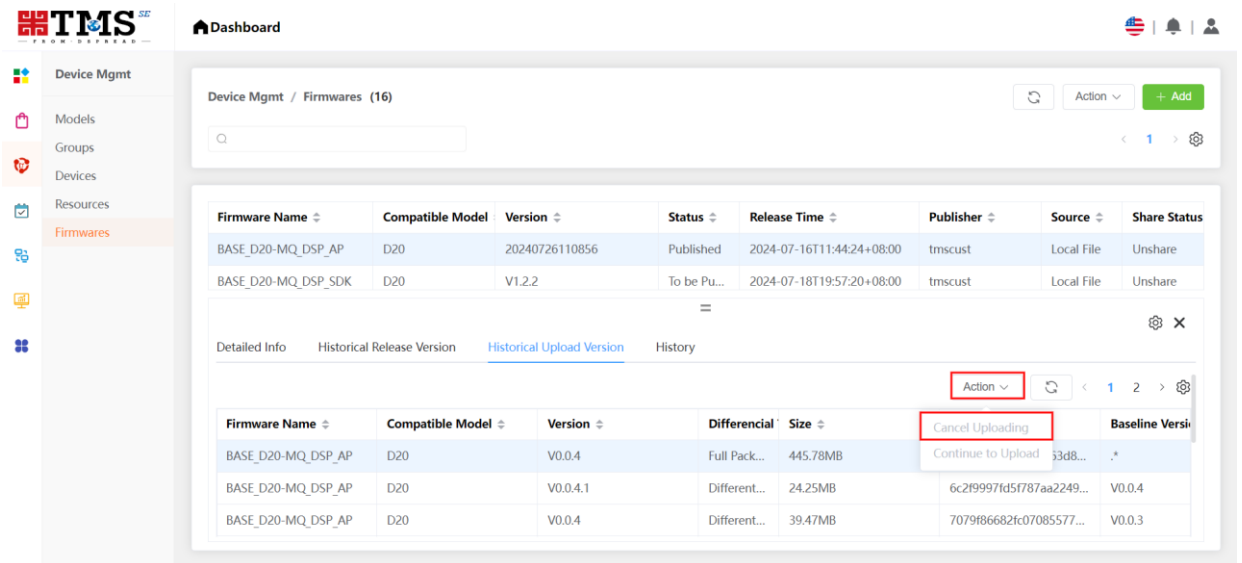
2. Historical upload records record all versions of the firmware package that have been uploaded.

### 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



Device Mgmt / Firmwares (16)

Firmware Name	Compatible Model	Version	Status	Release Time	Publisher	Source	Share Status
BASE_D20-MQ_DSP_AP	D20	20240726110856	Published	2024-07-16T11:44:24+08:00	tmscust	Local File	Unshare
BASE_D20-MQ_DSP_SDK	D20	V1.2.2	To be Pu...	2024-07-18T19:57:20+08:00	tmscust	Local File	Unshare

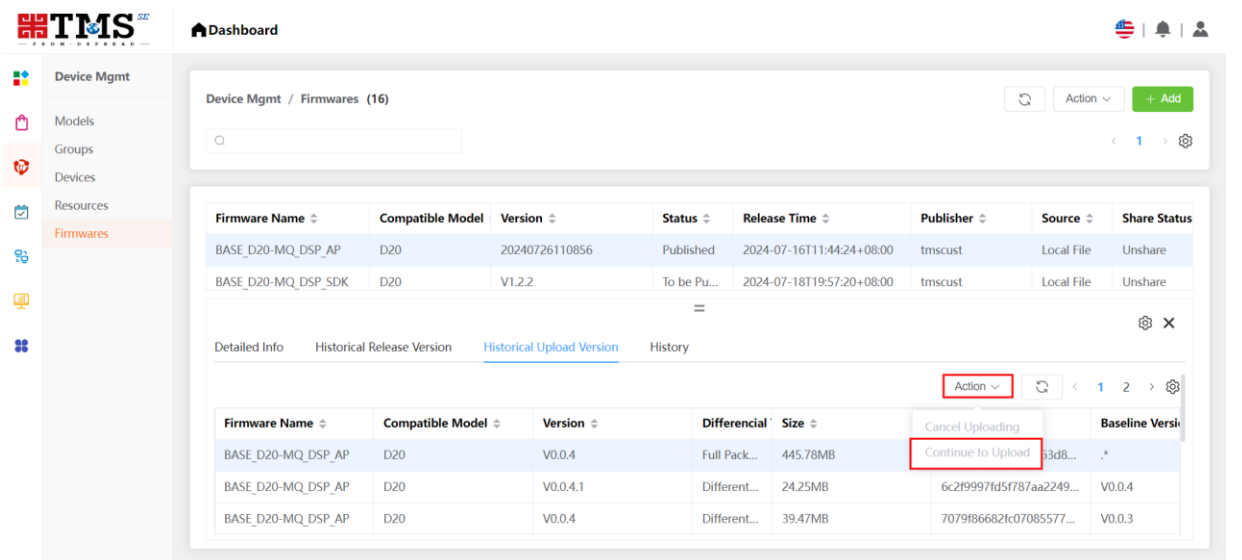
Detailed Info Historical Release Version **Historical Upload Version** History

Firmware Name	Compatible Model	Version	Differential	Size	Action	Baseline Versi
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Full Pack...	445.78MB	Cancel Uploading	33d8...
BASE_D20-MQ_DSP_AP	D20	V0.0.4.1	Different...	24.25MB	Continue to Upload	6c2f9997fd5f787aa2249...
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Different...	39.47MB		7079f86682fc07085577...

#### 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



Device Mgmt / Firmwares (16)

Firmware Name	Compatible Model	Version	Status	Release Time	Publisher	Source	Share Status
BASE_D20-MQ_DSP_AP	D20	20240726110856	Published	2024-07-16T11:44:24+08:00	tmscust	Local File	Unshare
BASE_D20-MQ_DSP_SDK	D20	V1.2.2	To be Pu...	2024-07-18T19:57:20+08:00	tmscust	Local File	Unshare

Detailed Info Historical Release Version **Historical Upload Version** History

Firmware Name	Compatible Model	Version	Differential	Size	Action	Baseline Versi
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Full Pack...	445.78MB	Continue to Upload	33d8...
BASE_D20-MQ_DSP_AP	D20	V0.0.4.1	Different...	24.25MB		6c2f9997fd5f787aa2249...
BASE_D20-MQ_DSP_AP	D20	V0.0.4	Different...	39.47MB		7079f86682fc07085577...

#### 4.4.12 historical tasks

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

**TMS** **Dashboard**

Device Operation / Firmwares (12)

Search:

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

**BASE\_D20-MQ\_DSP\_AP**

Detail History release Version History upload Version **History**

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.

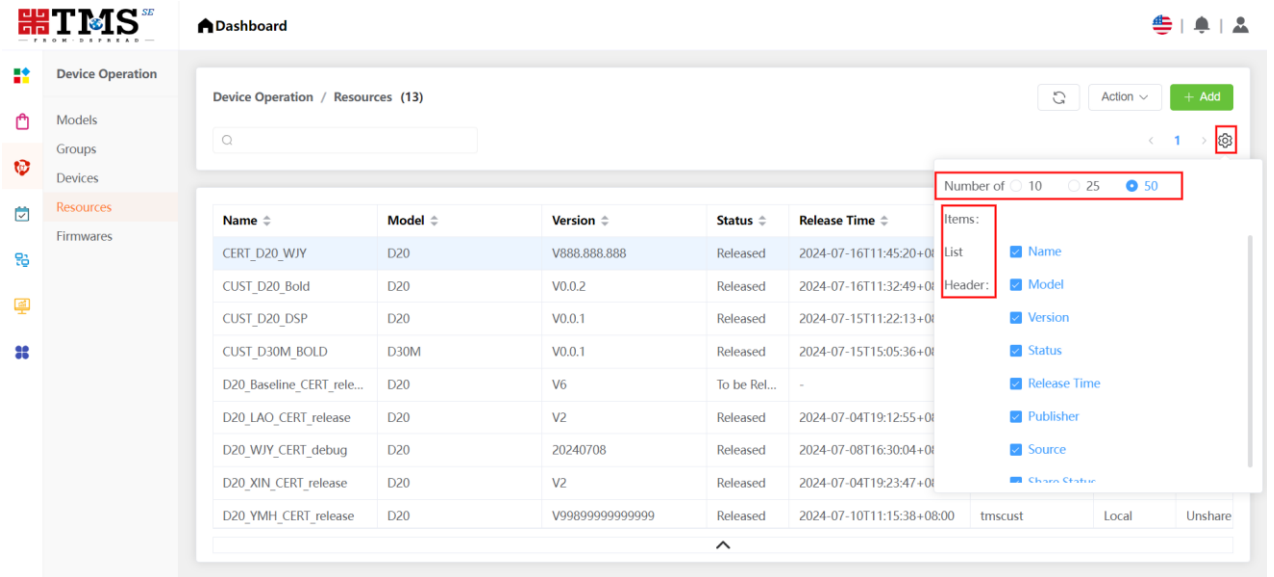
**TMS** **Dashboard**

Device Operation / Resources (13)

Search:

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	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	V9989999999999999	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.



Device Operation / Resources (13)

Number of ☐ 10 ☐ 25 ☒ 50

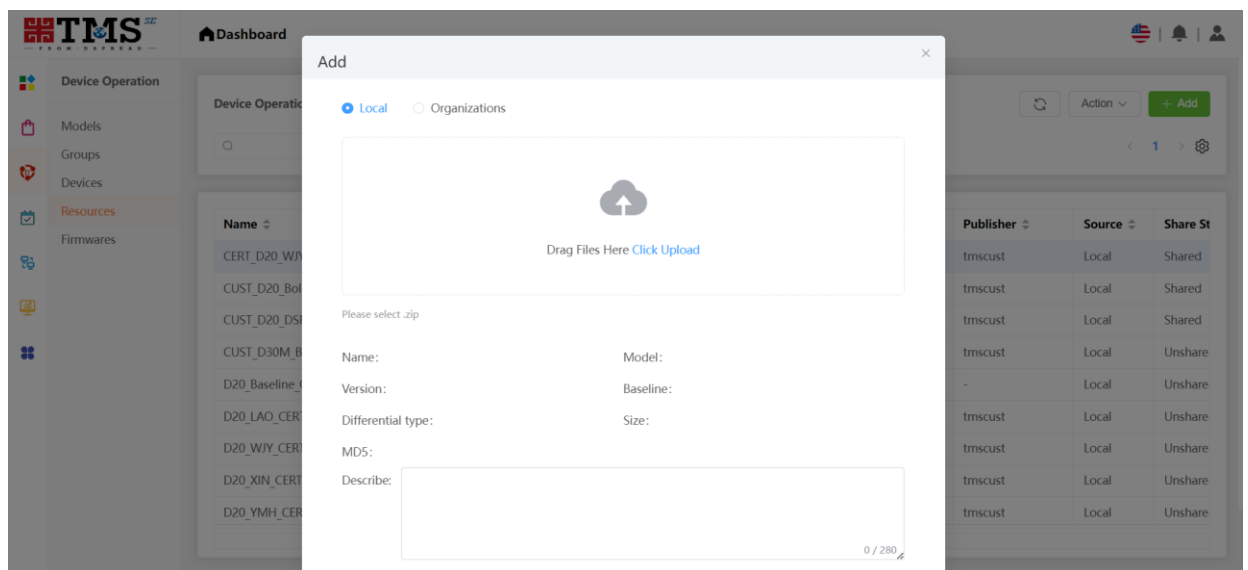
Items:

- ☒ Name
- ☒ Model
- ☒ Version
- ☒ Status
- ☒ Release Time
- ☒ Publisher
- ☒ Source
- ☒ Check Status

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	tmiscust	Local	Unshare
CUST_D20_Bold	D20	V0.0.2	Released	2024-07-16T11:32:49+08:00	tmiscust	Local	Shared
CUST_D20_DSP	D20	V0.0.1	Released	2024-07-15T11:22:13+08:00	tmiscust	Local	Shared
CUST_D30M_BOLD	D30M	V0.0.1	Released	2024-07-15T15:05:36+08:00	tmiscust	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	tmiscust	Local	Unshare
D20_WJY_CERT_debug	D20	20240708	Released	2024-07-08T16:30:04+08:00	tmiscust	Local	Unshare
D20_XIN_CERT_release	D20	V2	Released	2024-07-04T19:23:47+08:00	tmiscust	Local	Unshare
D20_YMH_CERT_release	D20	V9989999999999999	Released	2024-07-10T11:15:38+08:00	tmiscust	Local	Unshare

## 4.5.1 Add resources

### 4.5.1.1 Add local resources



Add

☒ Local ☐ Organizations

Drag Files Here [Click Upload](#)

Please select .zip

Name: Model:

Version: Baseline:

Differential type: Size:

MD5:


Describe:

0 / 280

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



2. In the pop-up window, select "Local" ☒ 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

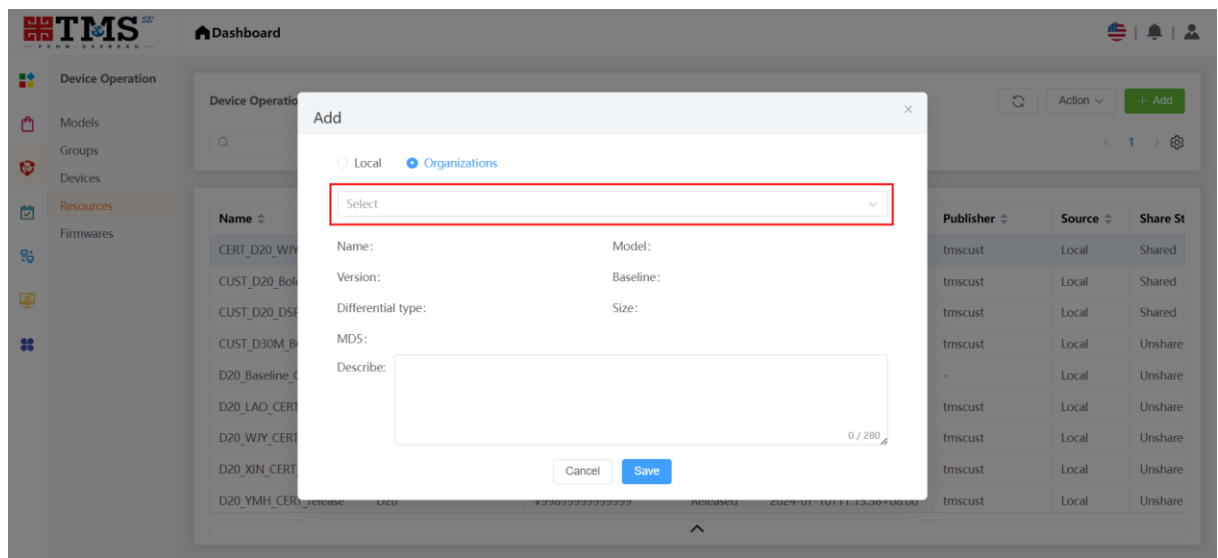
1. Click the "Add" button at the top right of the interface



2. In the pop-up window, select Organizations



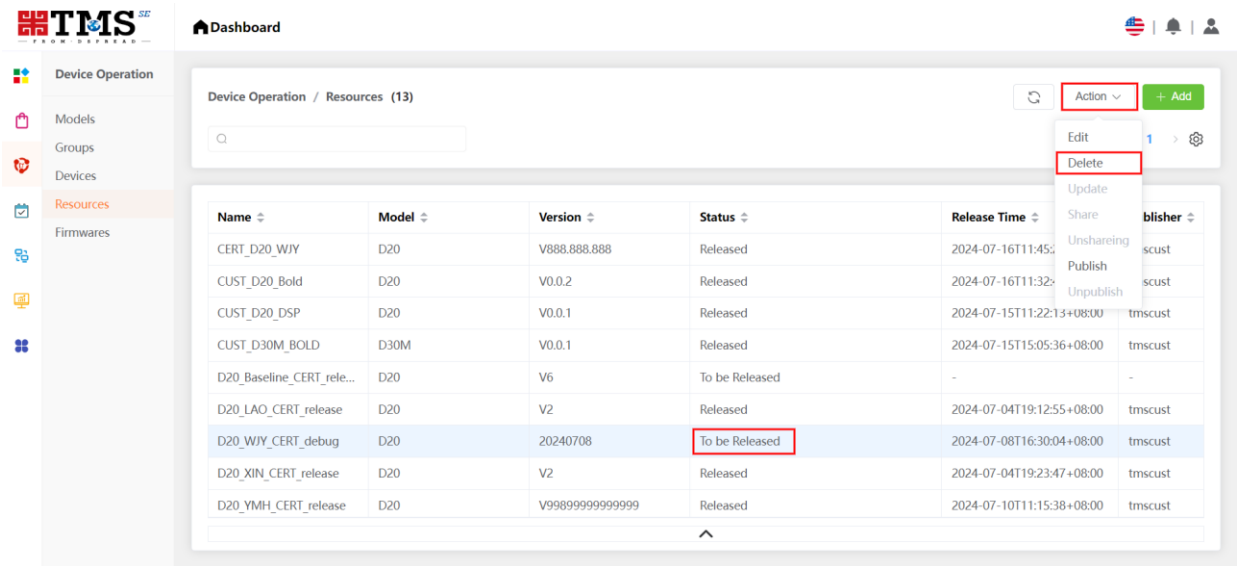
to add organization-sharing resources



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

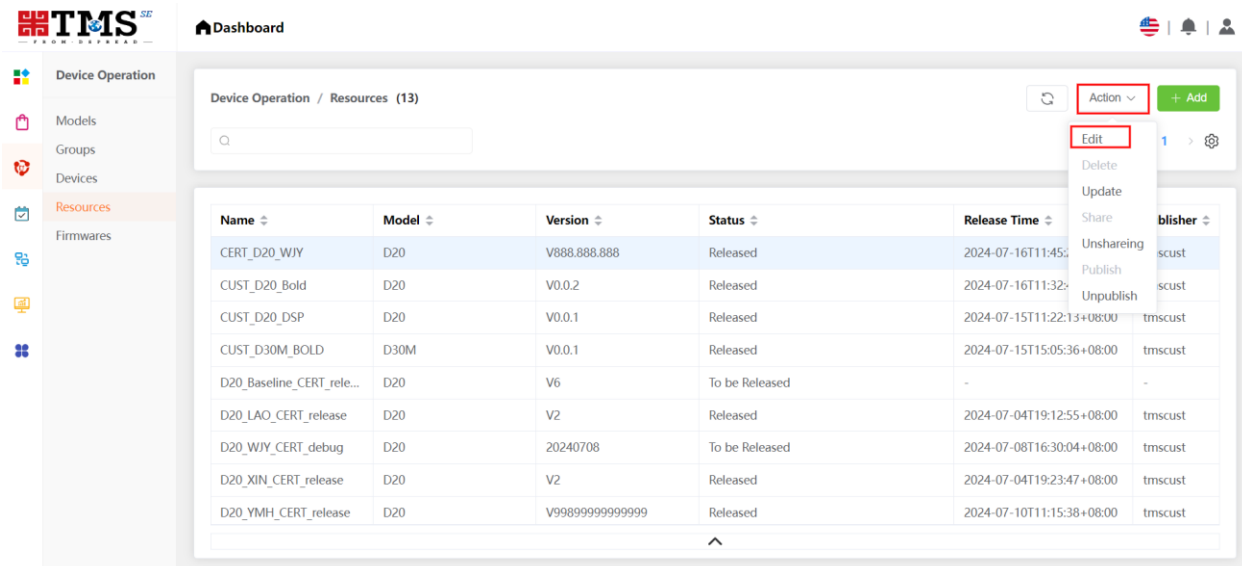


The screenshot shows the LarkTMS interface with the 'Resources' tab selected. A table lists various resources. The resource 'D20\_WJY\_CERT\_debug' is highlighted. The 'Action' button at the top right is clicked, and the 'Delete' option is selected from the dropdown menu.

Name	Model	Version	Status	Release Time	Release Time	Release Time
CERT_D20_WJY	D20	V888.888.888	Released	2024-07-16T11:45:00	2024-07-16T11:45:00	2024-07-16T11:45:00
CUST_D20_Bold	D20	V0.0.2	Released	2024-07-16T11:32:00	2024-07-16T11:32:00	2024-07-16T11:32:00
CUST_D20_DSP	D20	V0.0.1	Released	2024-07-15T11:22:13+08:00	2024-07-15T11:22:13+08:00	2024-07-15T11:22:13+08:00
CUST_D30M_BOLD	D30M	V0.0.1	Released	2024-07-15T15:05:36+08:00	2024-07-15T15:05:36+08:00	2024-07-15T15:05:36+08:00
D20_Baseline_CERT_release	D20	V6	To be Released	-	-	-
D20_LAO_CERT_release	D20	V2	Released	2024-07-04T19:12:55+08:00	2024-07-04T19:12:55+08:00	2024-07-04T19:12:55+08:00
D20_WJY_CERT_debug	D20	20240708	To be Released	2024-07-08T16:30:04+08:00	2024-07-08T16:30:04+08:00	2024-07-08T16:30:04+08:00
D20_XIN_CERT_release	D20	V2	Released	2024-07-04T19:23:47+08:00	2024-07-04T19:23:47+08:00	2024-07-04T19:23:47+08:00
D20_YMH_CERT_release	D20	V9989999999999999	Released	2024-07-10T11:15:38+08:00	2024-07-10T11:15:38+08:00	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.

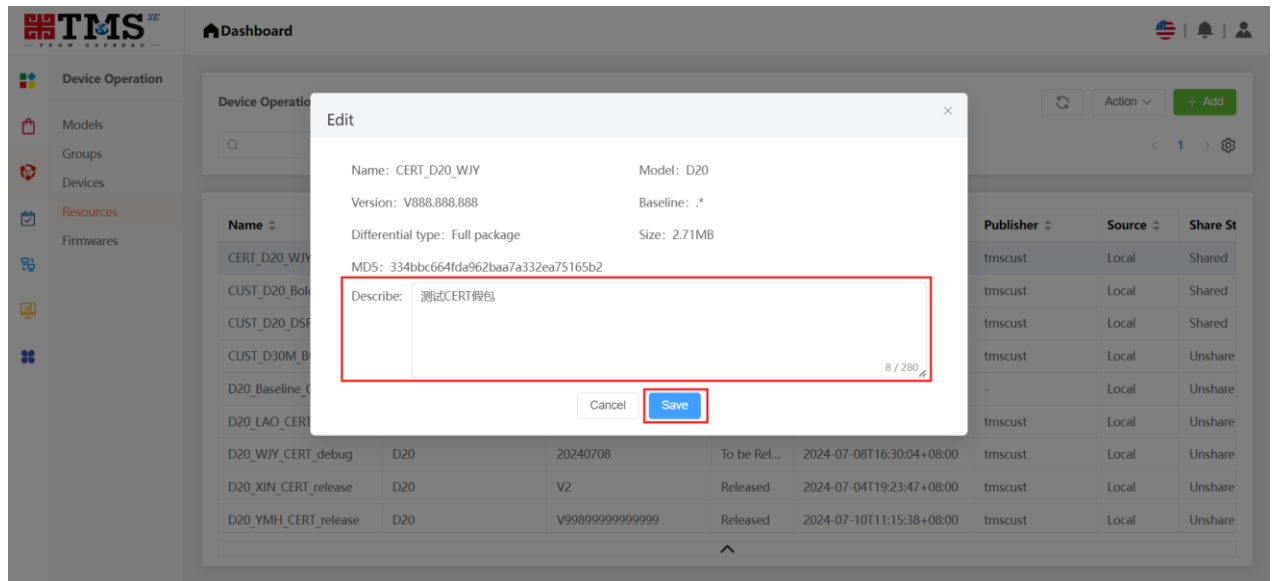
## 4.5.3 Modify Resources



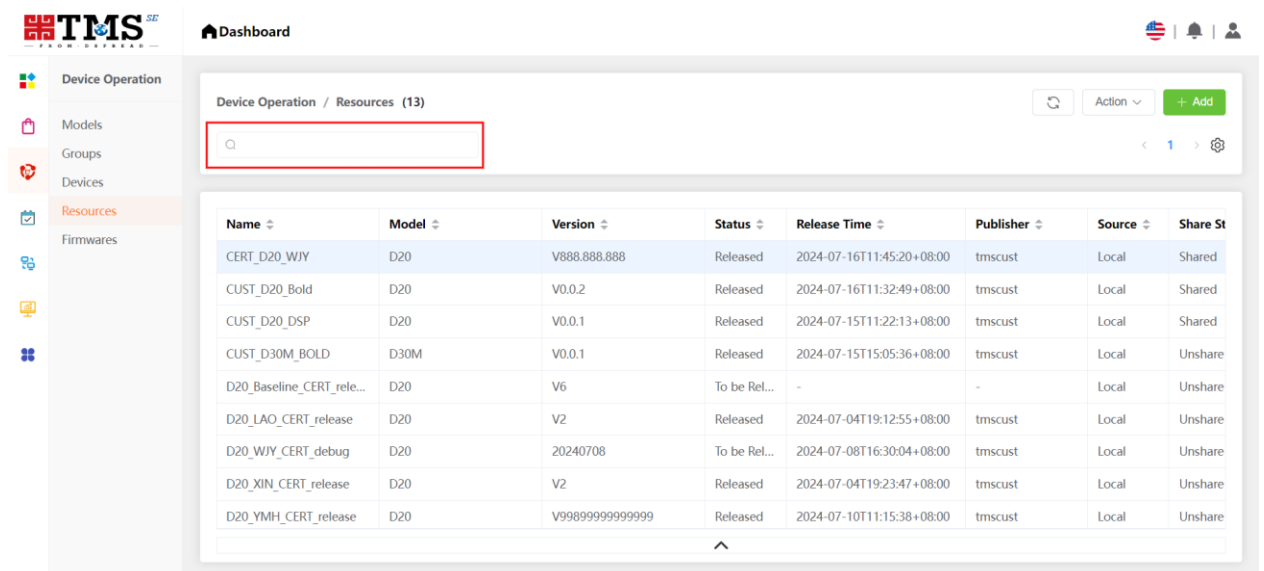
The screenshot shows the LarkTMS interface with the 'Resources' tab selected. A table lists various resources. The resource 'D20\_WJY\_CERT\_debug' is highlighted. The 'Action' button at the top right is clicked, and the 'Edit' option is selected from the dropdown menu.

Name	Model	Version	Status	Release Time	Release Time	Release Time
CERT_D20_WJY	D20	V888.888.888	Released	2024-07-16T11:45:00	2024-07-16T11:45:00	2024-07-16T11:45:00
CUST_D20_Bold	D20	V0.0.2	Released	2024-07-16T11:32:00	2024-07-16T11:32:00	2024-07-16T11:32:00
CUST_D20_DSP	D20	V0.0.1	Released	2024-07-15T11:22:13+08:00	2024-07-15T11:22:13+08:00	2024-07-15T11:22:13+08:00
CUST_D30M_BOLD	D30M	V0.0.1	Released	2024-07-15T15:05:36+08:00	2024-07-15T15:05:36+08:00	2024-07-15T15:05:36+08:00
D20_Baseline_CERT_release	D20	V6	To be Released	-	-	-
D20_LAO_CERT_release	D20	V2	Released	2024-07-04T19:12:55+08:00	2024-07-04T19:12:55+08:00	2024-07-04T19:12:55+08:00
D20_WJY_CERT_debug	D20	20240708	To be Released	2024-07-08T16:30:04+08:00	2024-07-08T16:30:04+08:00	2024-07-08T16:30:04+08:00
D20_XIN_CERT_release	D20	V2	Released	2024-07-04T19:23:47+08:00	2024-07-04T19:23:47+08:00	2024-07-04T19:23:47+08:00
D20_YMH_CERT_release	D20	V9989999999999999	Released	2024-07-10T11:15:38+08:00	2024-07-10T11:15:38+08:00	2024-07-10T11:15:38+08:00

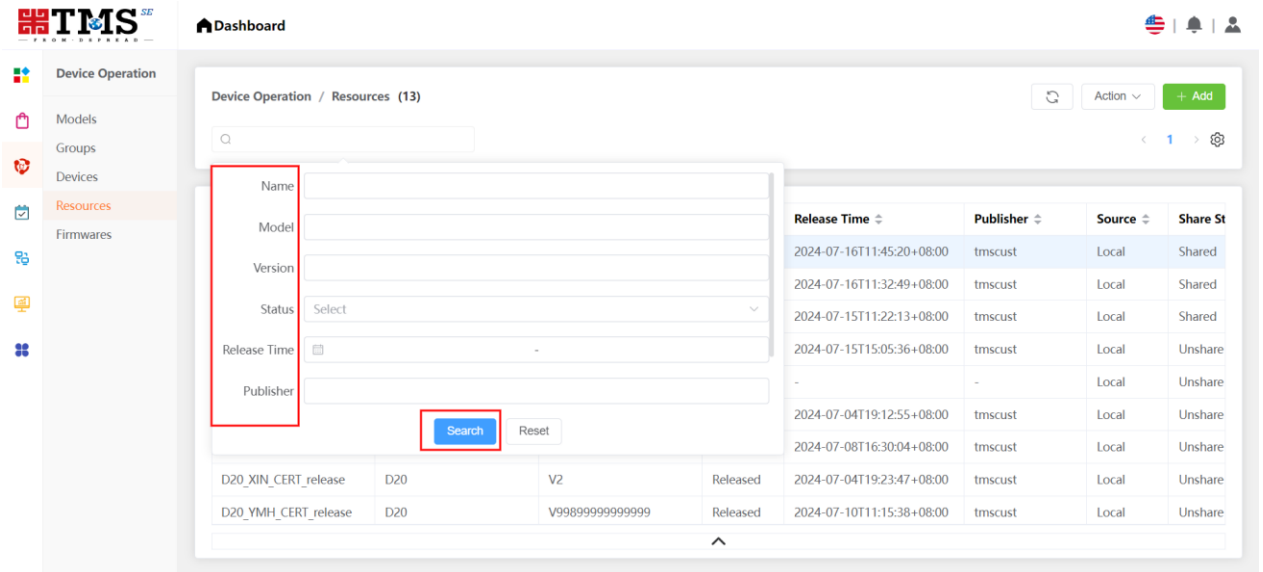
- Click the row of resources you want to modify, click the Action button at the top of the page, and click Edit in the drop-down box.
- In the pop-up window, you can modify the description of the resource pack, and click Save to complete the modification.



## 4.5.4 Query resources



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.

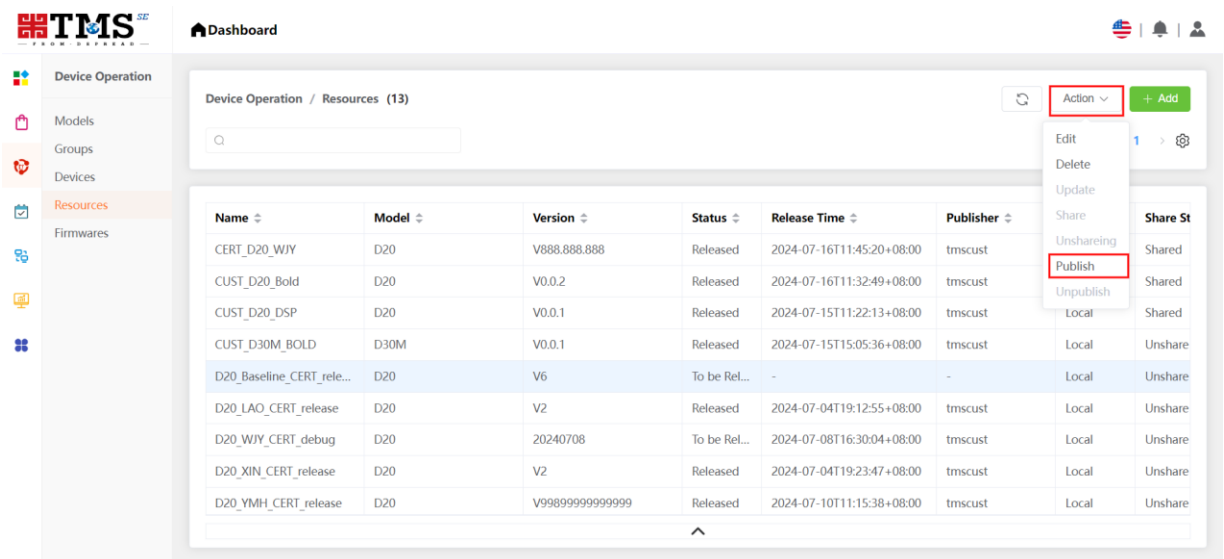


Search

3. Click "Search" to complete the search

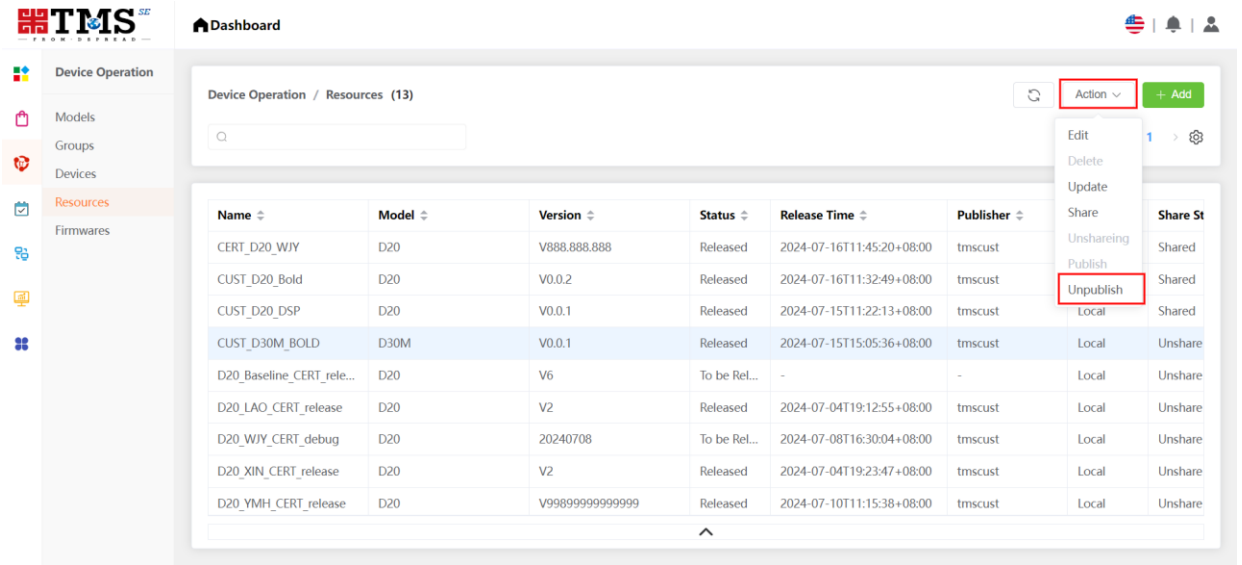
## 4.5.5 Listing Resources

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.



## 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.

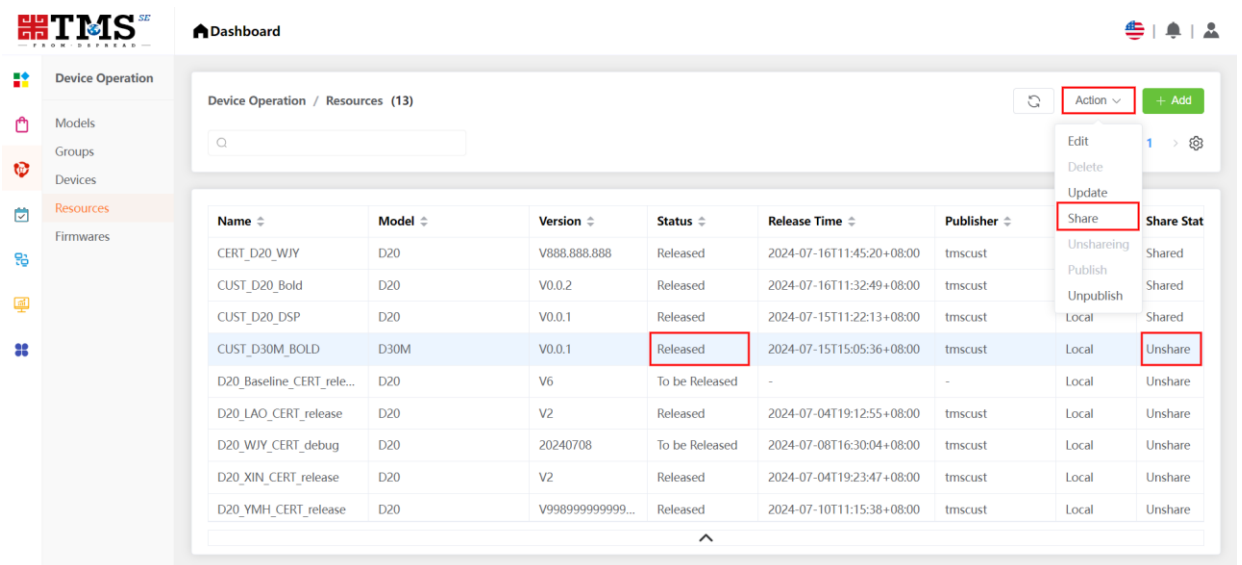


Device Operation / Resources (13)

Name	Model	Version	Status	Release Time	Publisher	Share	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	V9989999999999999	Released	2024-07-10T11:15:38+08:00	tmscust	Local	Unshare

## 4.5.7 Shared Resources

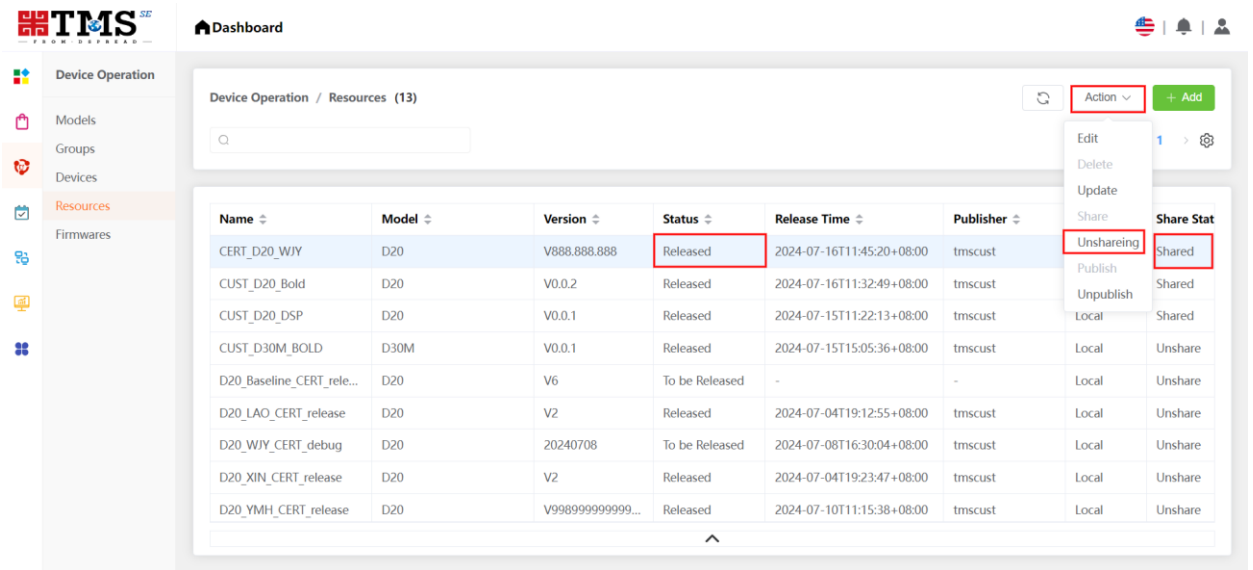
- Note:** The prerequisite for sharing a resource is that the asset is in a published state.
- Select the published resource row, click the Action button in the upper right corner of the page, and select Share from the drop-down list to complete the resource sharing.



Device Operation / Resources (13)

Name	Model	Version	Status	Release Time	Publisher	Share	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_rele...	D20	V6	To be Released	-	-	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 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	V9989999999999999	Released	2024-07-10T11:15:38+08:00	tmscust	Local	Unshare

- 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.

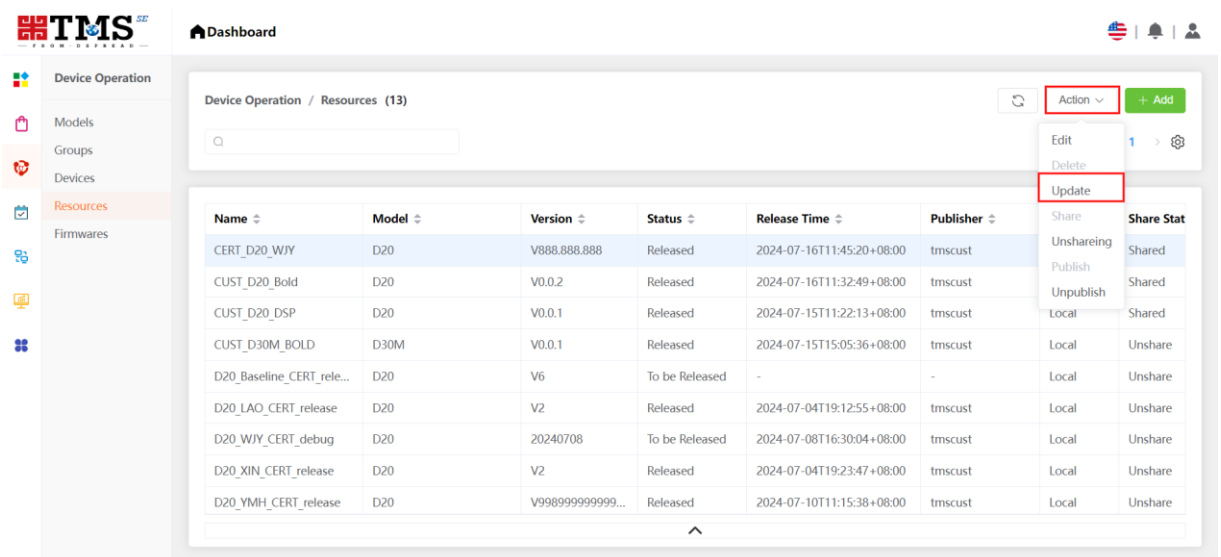


Device Operation / Resources (13)

Name	Model	Version	Status	Release Time	Publisher	Share	Share Stat
CERT_D20_WJY	D20	V888.888.888	Released	2024-07-16T11:45:20+08:00	tmscust	Unshareing	Shared
CUST_D20_Bold	D20	V0.0.2	Released	2024-07-16T11:32:49+08:00	tmscust	Publish	Shared
CUST_D20_DSP	D20	V0.0.1	Released	2024-07-15T11:22:13+08:00	tmscust	Unpublish	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 Released	-	-	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 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	V998999999999...	Released	2024-07-10T11:15:38+08:00	tmscust	Local	Unshare


## 4.5.8 Upgrade Resources

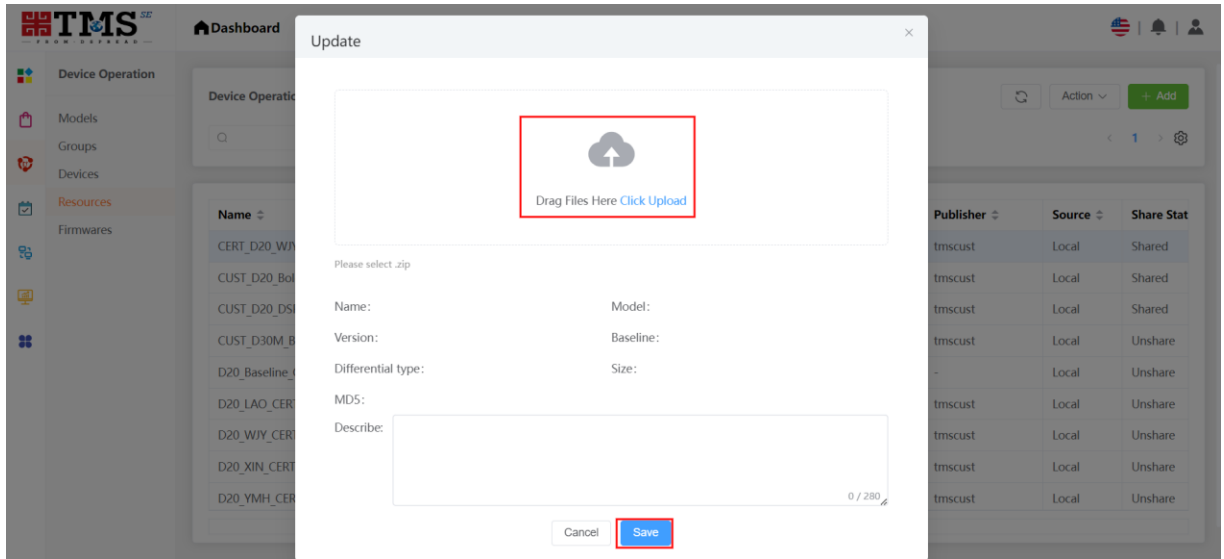
1. Select the resource row to be upgraded, click Action in the upper right corner of the page, and select Update from the drop-down list.





Device Operation / Resources (13)

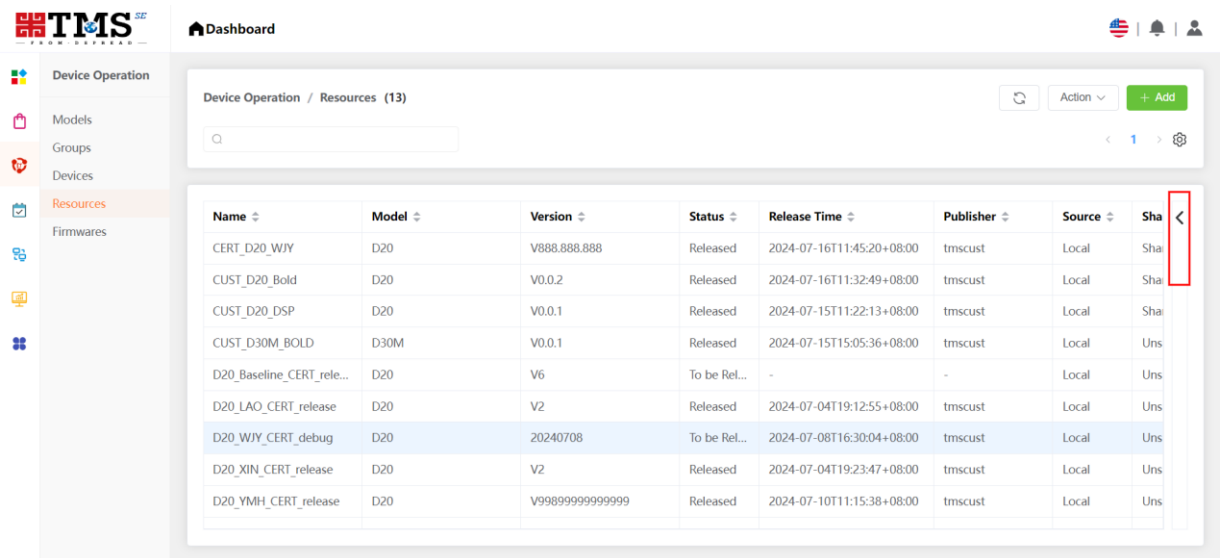
Name	Model	Version	Status	Release Time	Publisher	Share	Share Stat
CERT_D20_WJY	D20	V888.888.888	Released	2024-07-16T11:45:20+08:00	tmscust	Unshareing	Shared
CUST_D20_Bold	D20	V0.0.2	Released	2024-07-16T11:32:49+08:00	tmscust	Publish	Shared
CUST_D20_DSP	D20	V0.0.1	Released	2024-07-15T11:22:13+08:00	tmscust	Unpublish	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 Released	-	-	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 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	V998999999999...	Released	2024-07-10T11:15:38+08:00	tmscust	Local	Unshare

2. 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.



**TMS** **Dashboard**



Device Operation / Resources (13)

Q

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.

**TMS** **Dashboard**

Device Operation / Resources (13)

Q

Name	Model	Version	Status	Re
CERT_D20_WJY	D20	V888.888.888	Released	20
CUST_D20_Bold	D20	V0.0.2	Released	20
CUST_D20_DSP	D20	V0.0.1	Released	20
CUST_D30M_BOLD	D30M	V0.0.1	Released	20
D20_Baseline_CERT_rele...	D20	V6	To be Rel...	-
D20_LAO_CERT_release	D20	V2	Released	20
D20_WJY_CERT_debug	D20	20240708	To be Rel...	20
D20_XIN_CERT_release	D20	V2	Released	20
D20_YMH_CERT_release	D20	V998999999999999	Released	20

**CERT\_D20\_WJY**

Details location  
Select the default location for the details

ID Bottom Right

Describe 测试CERT包

Version V888.888.888

Share Status Shared

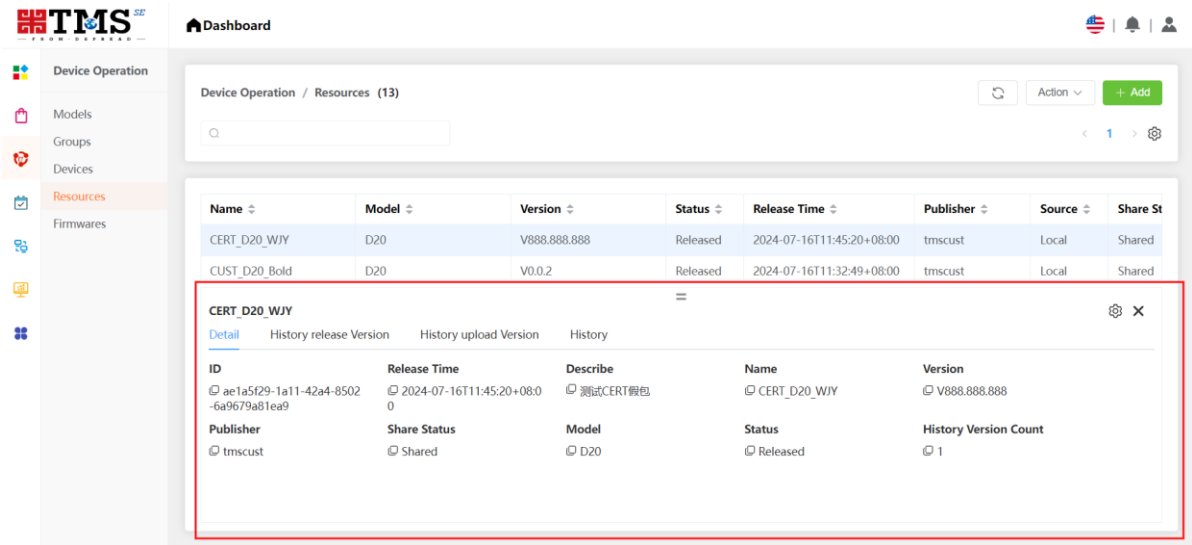
Status Released

Name CERT\_D20\_WJY

Publisher tmscust

Model D20

History Version Count 1



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

**CERT\_D20\_WJY**

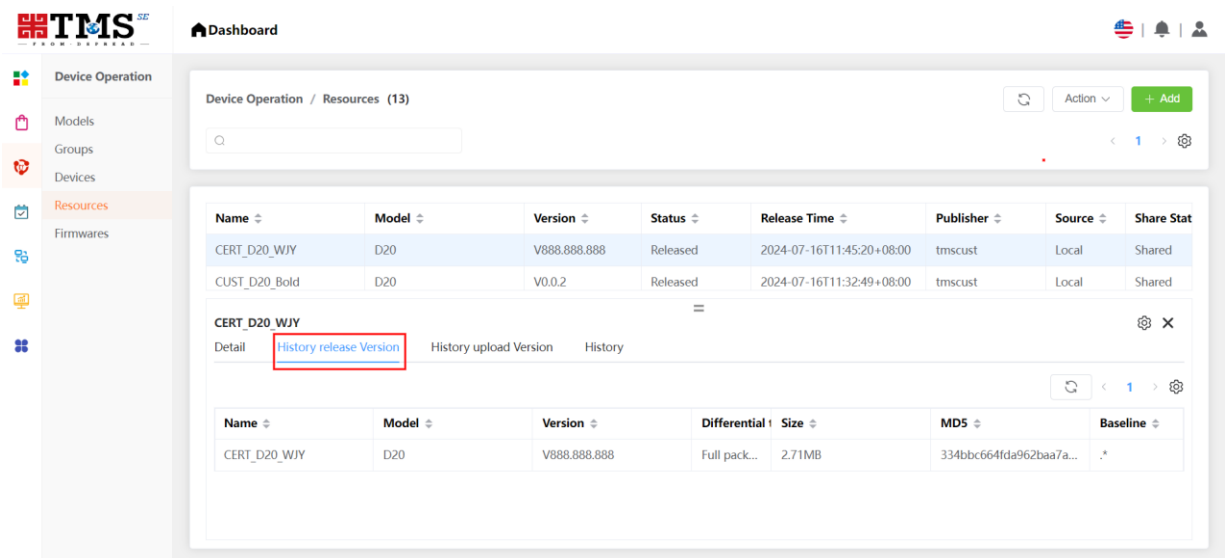
Detail History release Version History upload Version History

ID	Release Time	Describe	Name	Version
ae1a5f29-1a11-42a4-8502-6a9679a81ea9	2024-07-16T11:45:20+08:00	测试CERT固件包	CERT_D20_WJY	V888.888.888

Publisher	Share Status	Model	Status	History Version Count
tmscust	Shared	D20	Released	1

## 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.



Device Operation / Resources (13)

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

**CERT\_D20\_WJY**

Detail [History release Version](#) History upload Version History

Name	Model	Version	Differential	Size	MD5	Baseline
CERT_D20_WJY	D20	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.

Dashboard

Device Operation / Resources (13)

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

CERT\_D20\_WJY

Detail History release Version **History upload Version** History

Name	Model	Version	Differential	Size	MD5	Baseline
CERT_D20_WJY	D20	V888.888.888	Full pack...	2.71MB	334bbc664fda962baa7a...	*

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

### 4.5.11.1 Cancellation of Uploads

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

Dashboard

Device Mgmt / Resources (13)

Name	Compatible Model	Version	Status	Release Time	Publisher	Source	Share St
CERT_D20_WJY	D20	V888.888.888	Published	2024-07-16T11:45:20+08:00	tmscust	Local File	Shared
CUST_D20_BOLD	D20	V0.0.1	Published	2024-07-24T19:55:07+08:00	tmscust	Local File	Unshare

CERT\_D20\_WJY

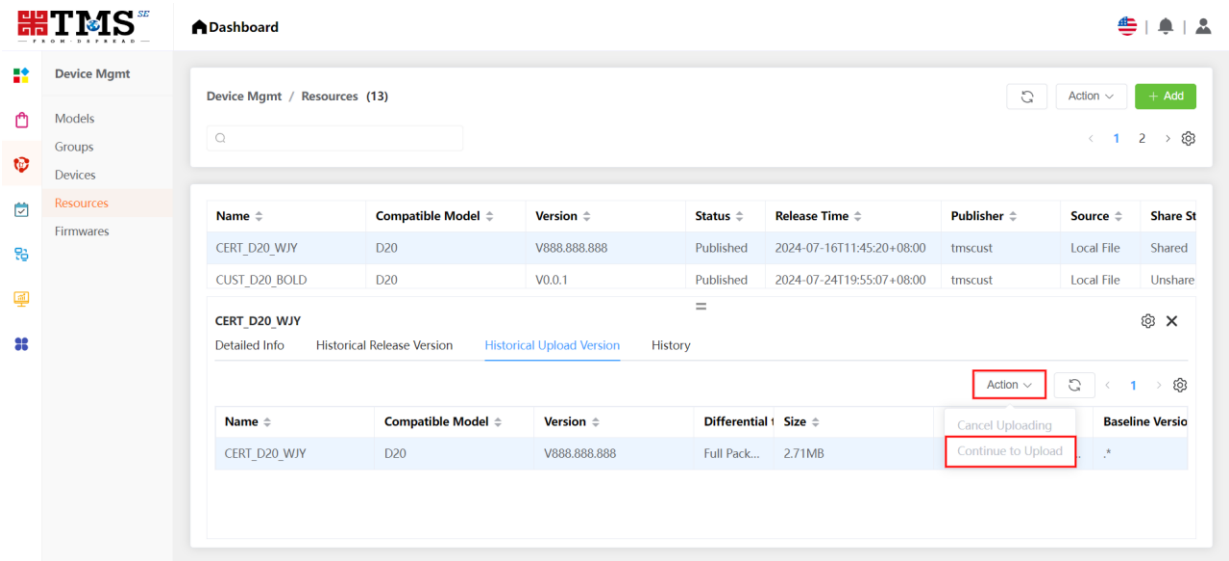
Detailed Info Historical Release Version Historical Upload Version History

Action

Name	Compatible Model	Version	Differential	Size	Cancel Uploading	Continue to Upload	Baseline Versio
CERT_D20_WJY	D20	V888.888.888	Full Pack...	2.71MB			*

### 4.5.11.2 Transmission

- Note:** The prerequisite for resuming a resource is that the asset is in the Failed Upload state.
- 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



Device Mgmt / Resources (13)

Name	Compatible Model	Version	Status	Release Time	Publisher	Source	Share St
CERT_D20_WJY	D20	V888.888.888	Published	2024-07-16T11:45:20+08:00	tmscust	Local File	Shared
CUST_D20_BOLD	D20	V0.0.1	Published	2024-07-24T19:55:07+08:00	tmscust	Local File	Unshare

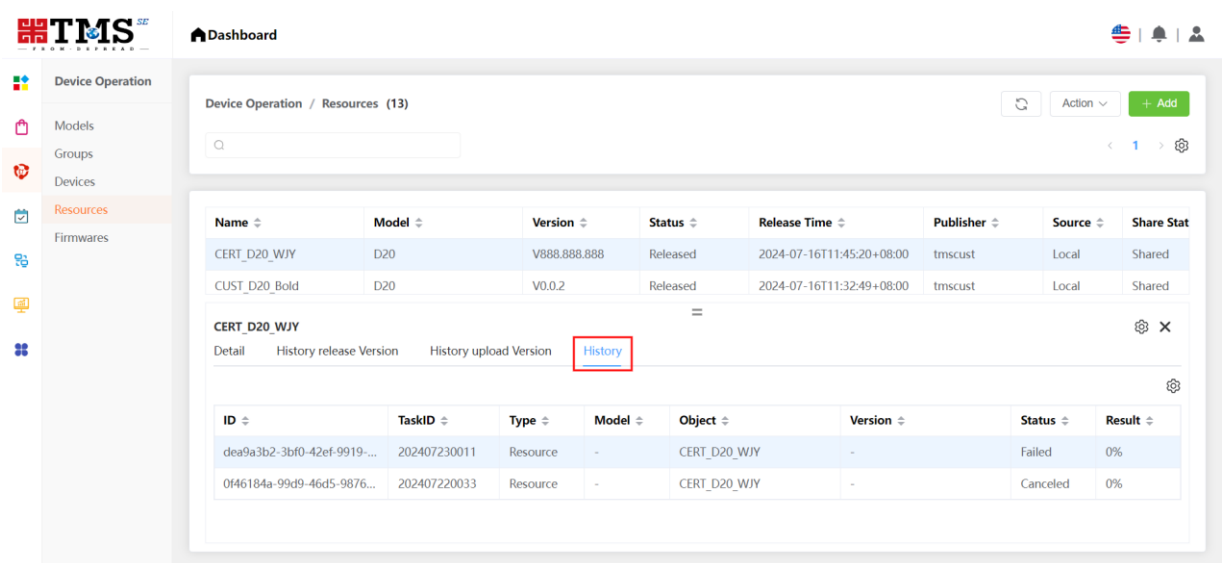
**CERT\_D20\_WJY**

Detailed Info   Historical Release Version   Historical Upload Version   History

Name	Compatible Model	Version	Differential	Size	Action	Baseline Version
CERT_D20_WJY	D20	V888.888.888	Full Pack...	2.71MB	<a href="#">Cancel Uploading</a> <a href="#">Continue to Upload</a>	.*

## 4.5.12 Historical Tasks

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



Device Operation / Resources (13)

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

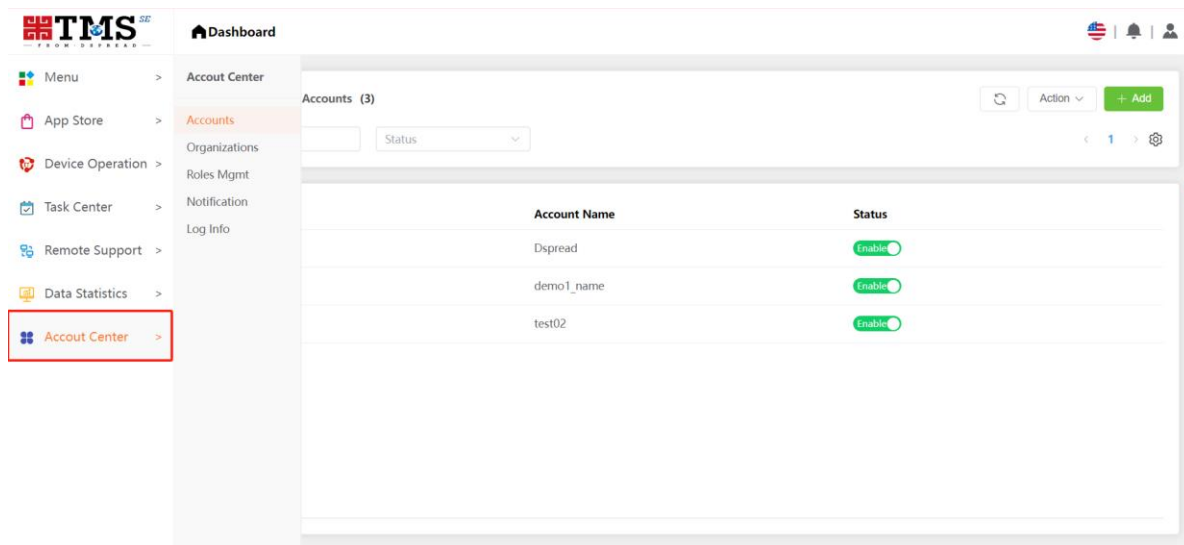
**CERT\_D20\_WJY**

Detail   History release Version   History upload Version   History

ID	TaskID	Type	Model	Object	Version	Status	Result
dea9a3b2-3bf0-42ef-9919-...	202407230011	Resource	-	CERT_D20_WJY	-	Failed	0%
0f46184a-99d9-46d5-9876-...	202407220033	Resource	-	CERT_D20_WJY	-	Canceled	0%

3. 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.

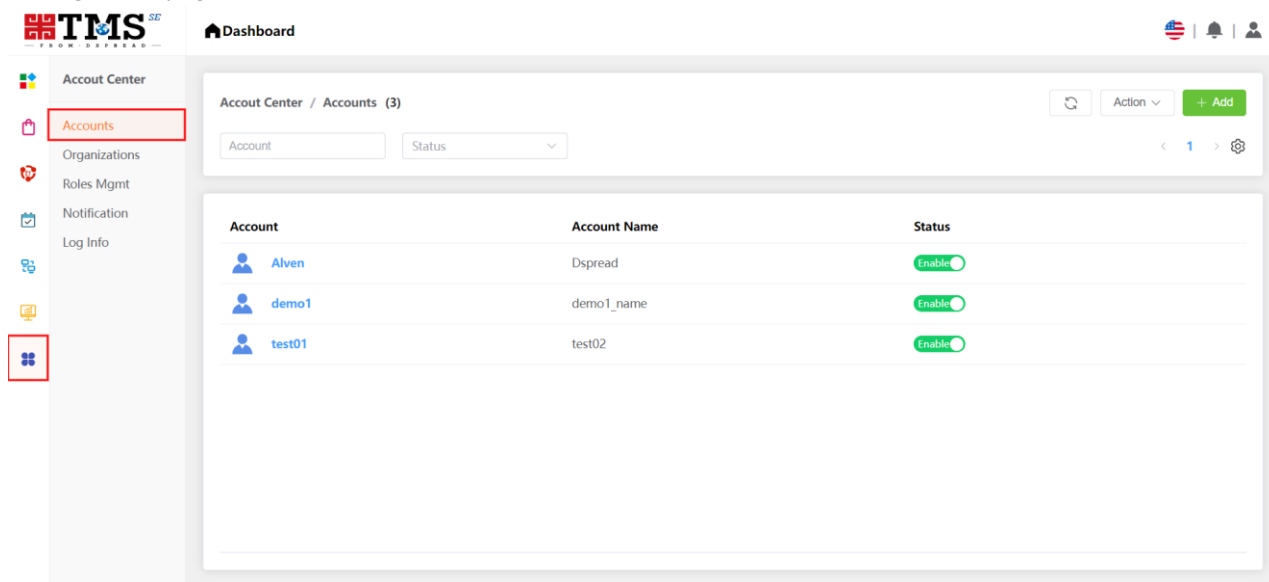
## 5.System administration




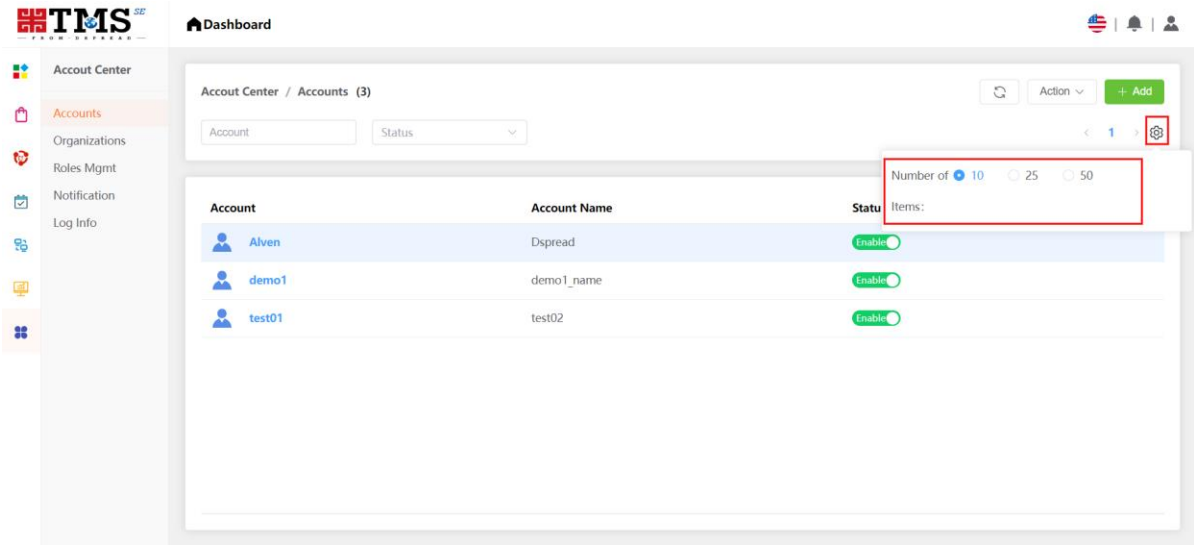
Click the **【Account Center】** button on the left menu bar to enter the system management page.

### 5.1 Account Management

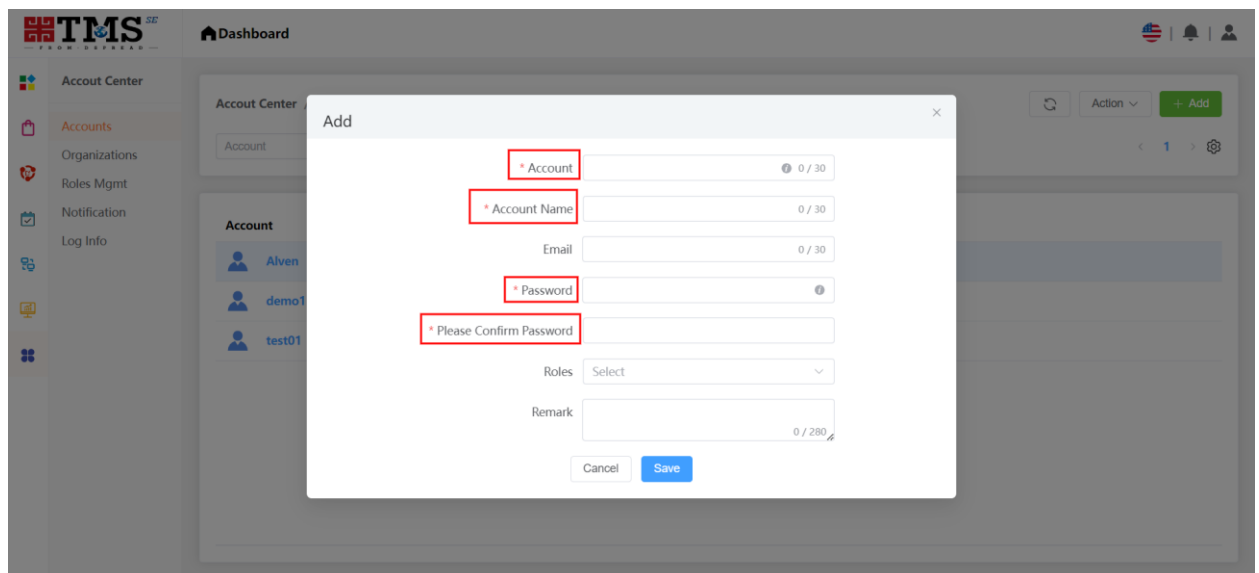
1.Click the **【Account Center】** -> **【Accounts】** button on the left menu bar to enter the account management page.




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.



### 5.1.1 Add an account



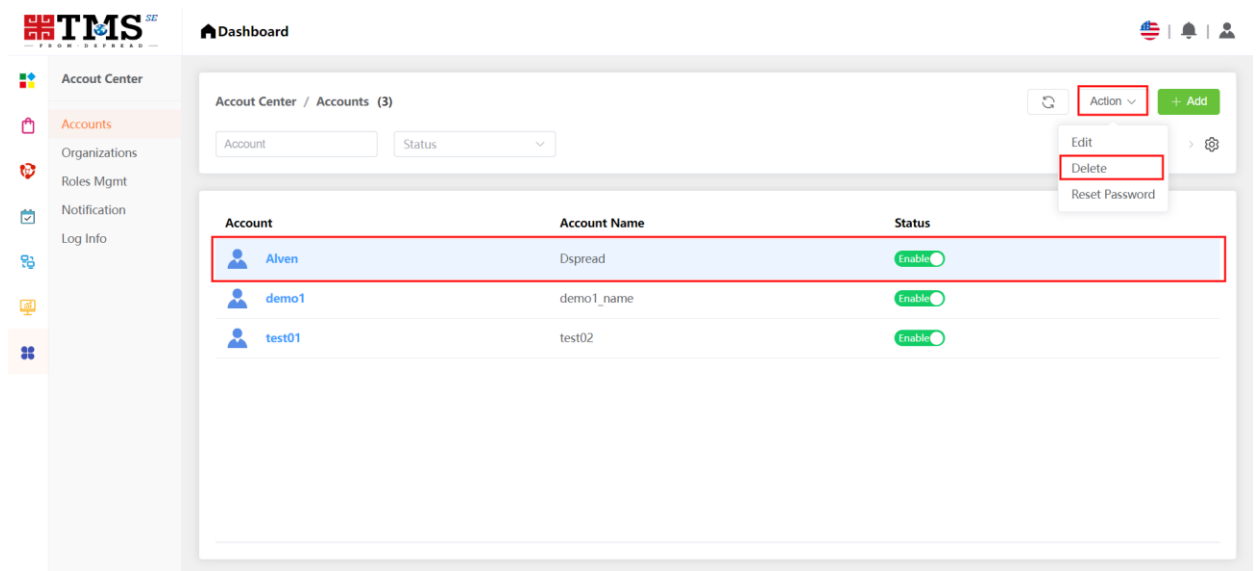
1.First, click the Add button at the top right of the account management interface  to start adding an account, and you need to fill in the following relevant information in the pop-up window:

- 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.

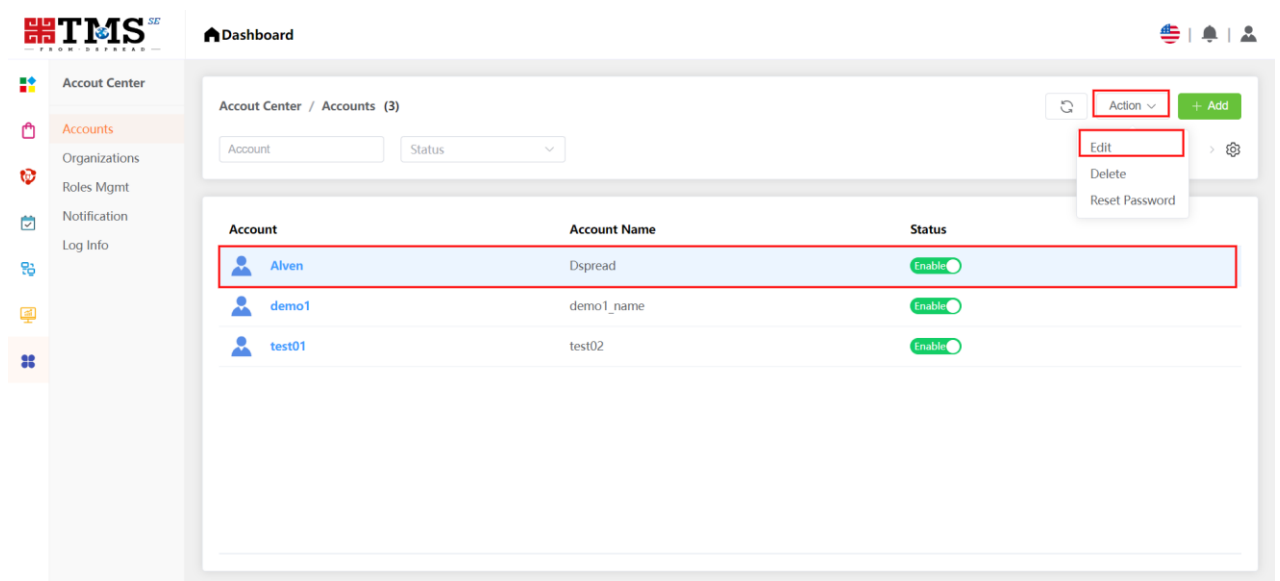
2. After filling in all the information in the above fields, check that everything is correct, and click Save.

## 5.1.2 Delete Account



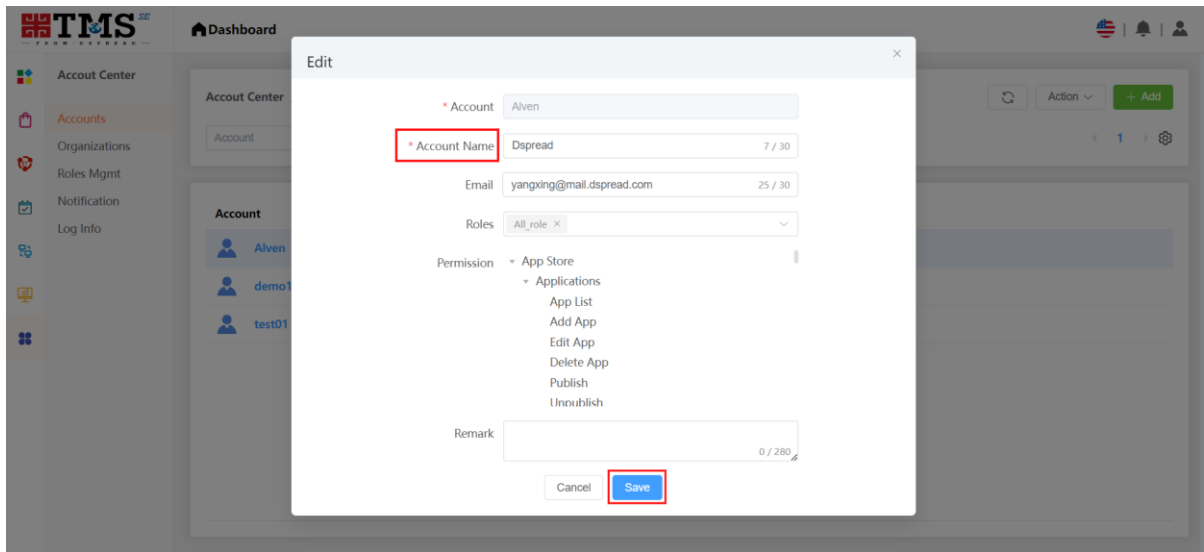
1. Select the account you want to delete (click on the row where the account is located), click the "Action" button at the top of the page, and click "Delete" in the drop-down box.
2. Click Confirm in the pop-up window to delete the account.

## 5.1.3 Editing Devices

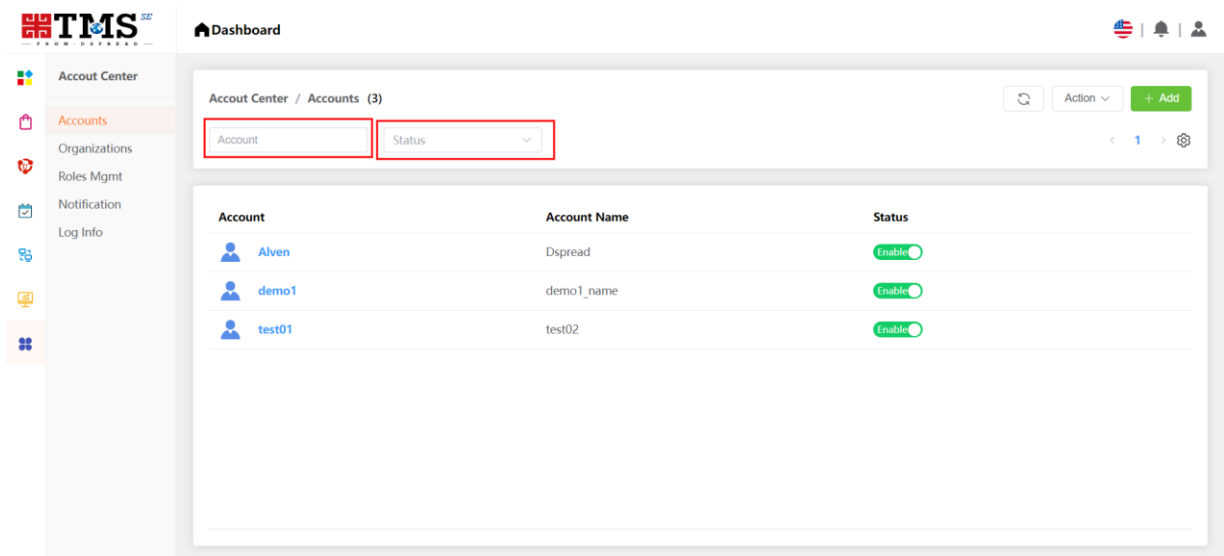


1. Select the account you want to delete (click on the row where the account is located), click the "Action" button at the top of the page, and click "Edit" in the drop-down box.

- 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.

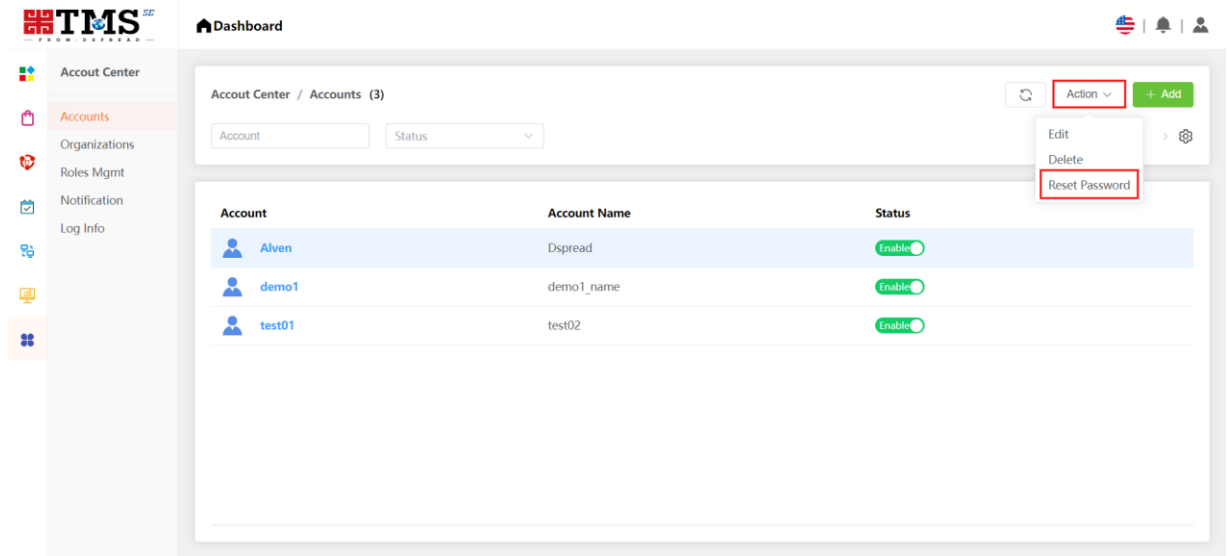


## 5.1.4 Query account

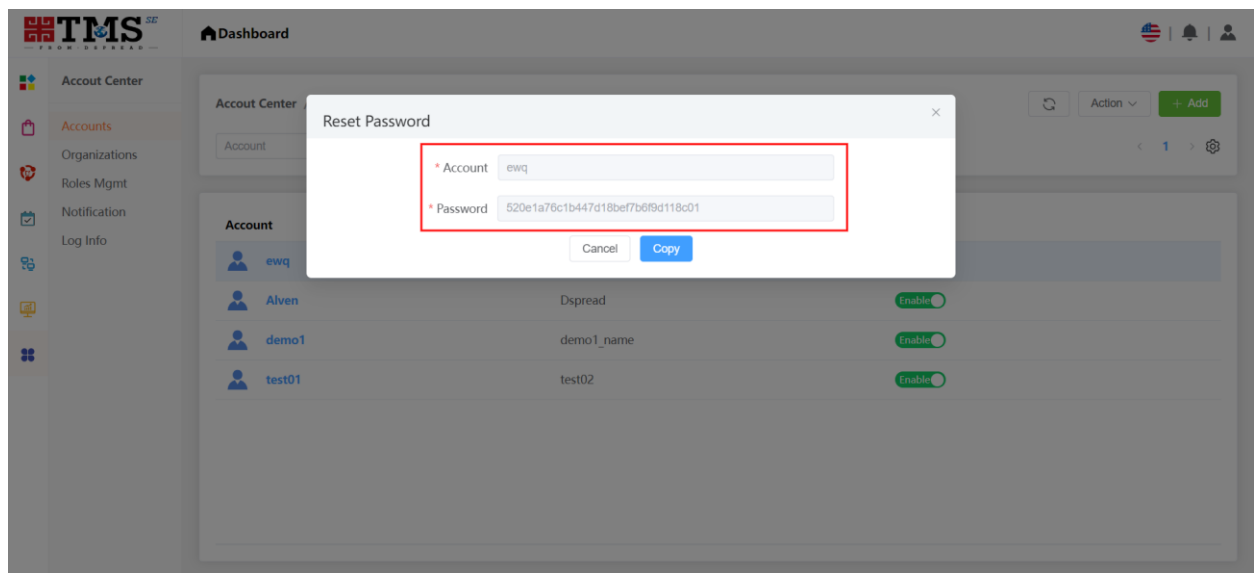


- In the upper left corner of the main interface, find the account search box and the status drop-down box.
- Enter the account you want to search in the account search box and click Enter to search.
- Click the Status drop-down box and select the status to be queried.
- You can perform a single query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

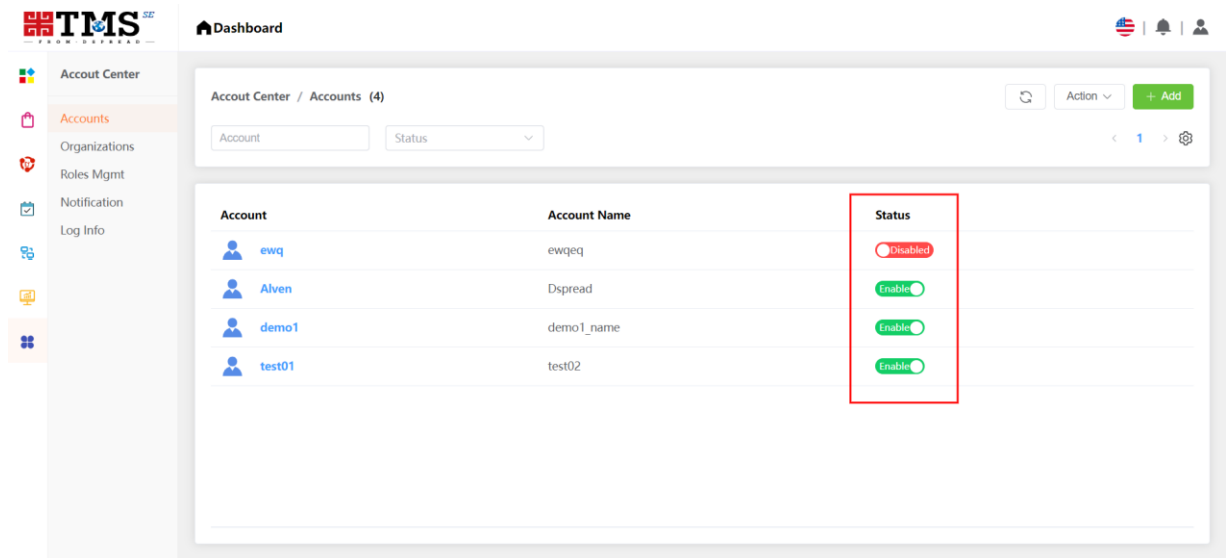
## 5.1.5 Reset password



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.



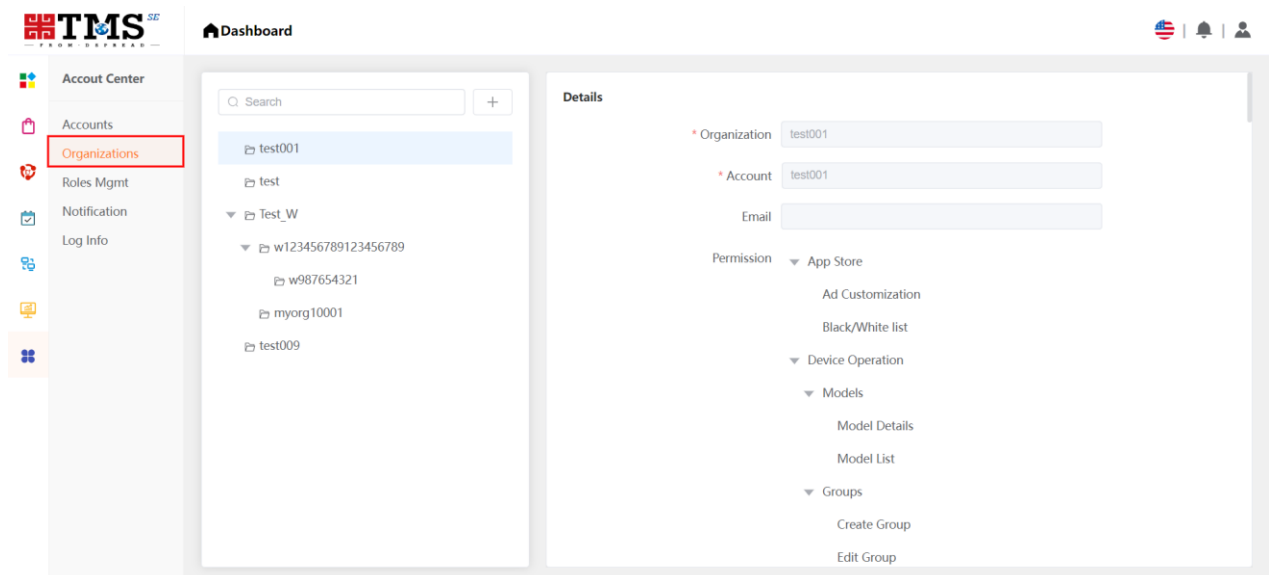
## 5.1.6 Disabling/Enabling Accounts



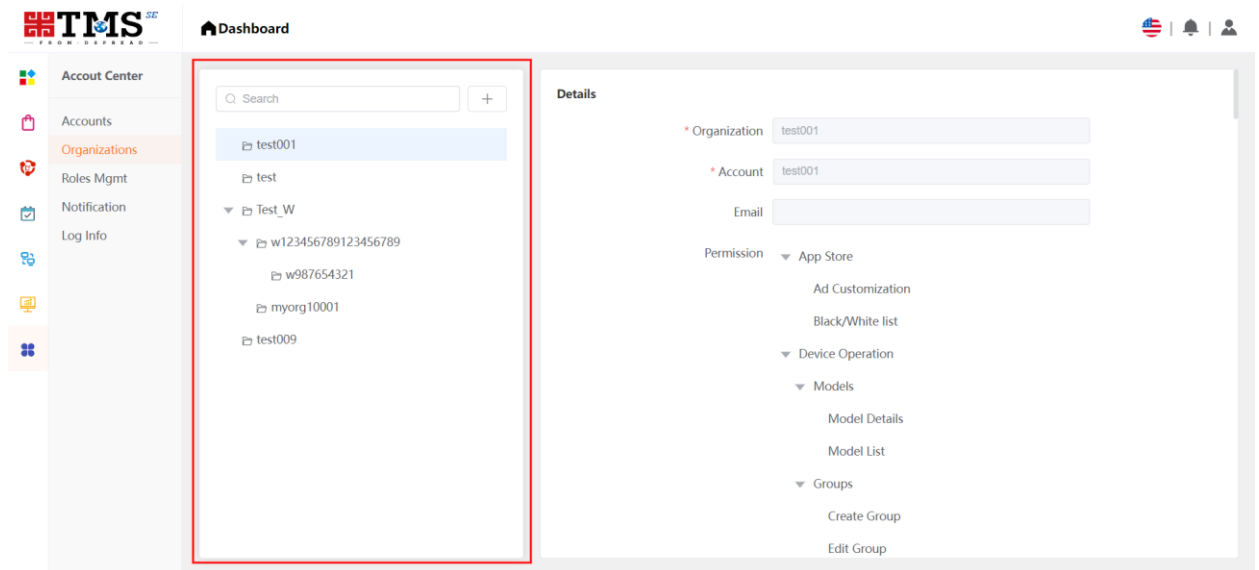
1. In the leftmost column of the account information display is the status of the account, with two options: enable and disable
2. Click the Disable/Enable button to toggle the disabled/enabled status of the account (green is the enabled state, red is the disabled state).

## 5.2 Institutional Management

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

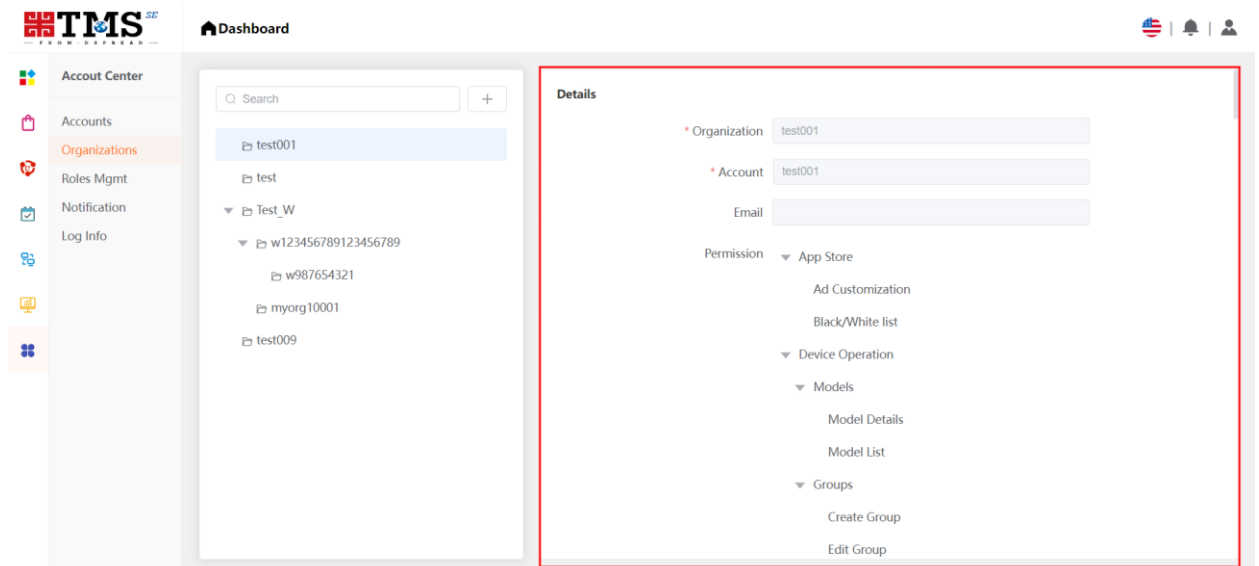


## 5.2.1 List of Institutions



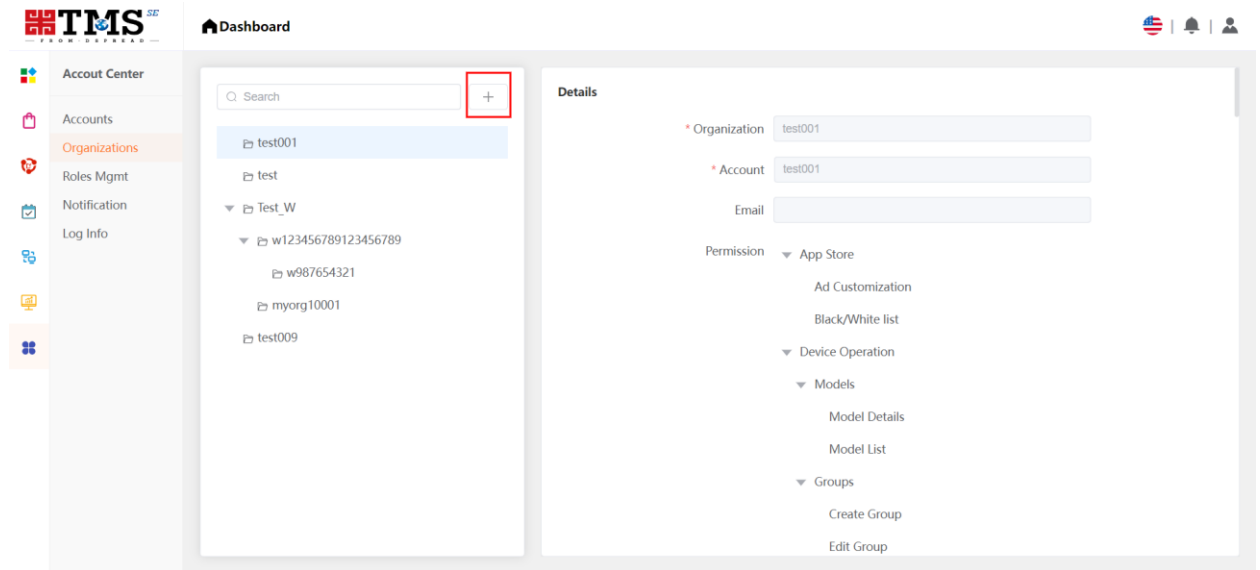
1. After you go to the Organization Management page, you can view all the organizations in the current organization on the left side of the page.
2. You can use this list to add organizations, modify organizations, delete organizations, and search organizations.

## 5.2.2 Institutional Details



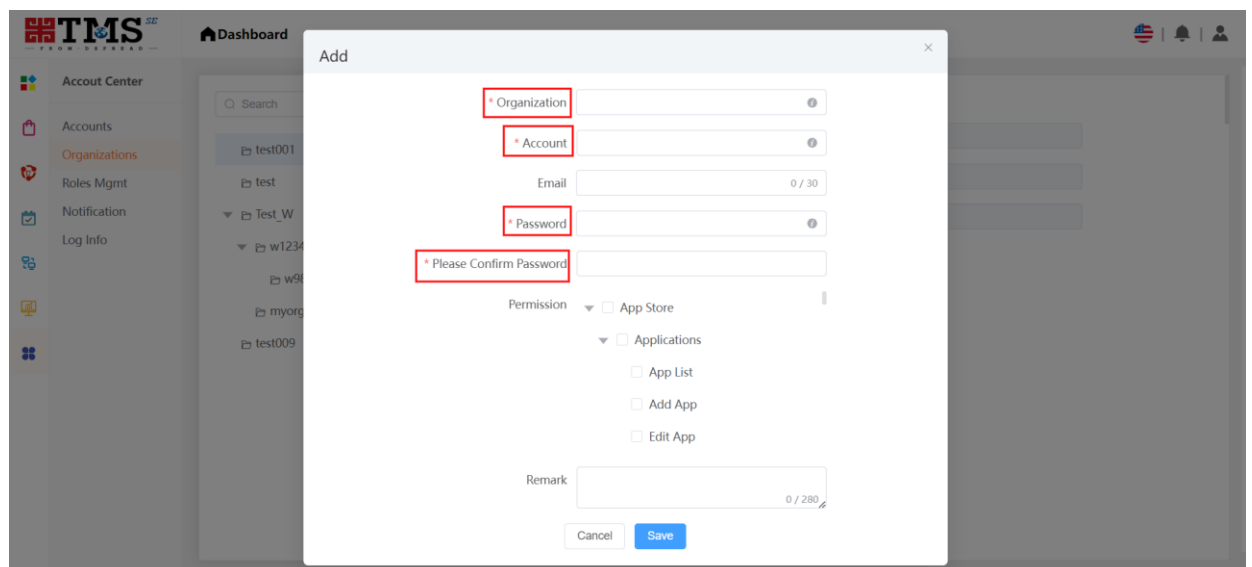
1. Once you are on the Organization Management page, click any organization on the left side of the page, and the system will display the details of the organization in the window on the right.
2. On the details page of the window on the right, you can view information such as the organization name,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

## 5.2.3 Creation of Institutions



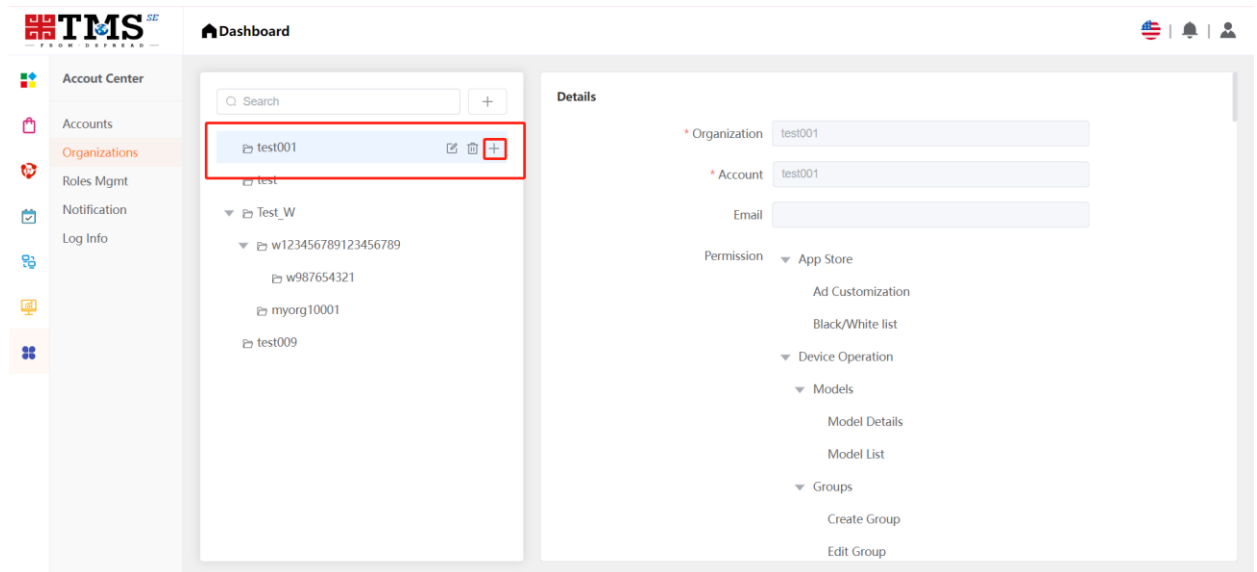
- Find the button on the page and click it to start creating a new organization.
- In the pop-up window for creating an organization, you need to fill in the following information:
  - Enter \*Institution Name
  - Enter \*Organization Administrator Account
  - Enter your email address
  - Enter the \*administrator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


**Note:** Fields with \* are required



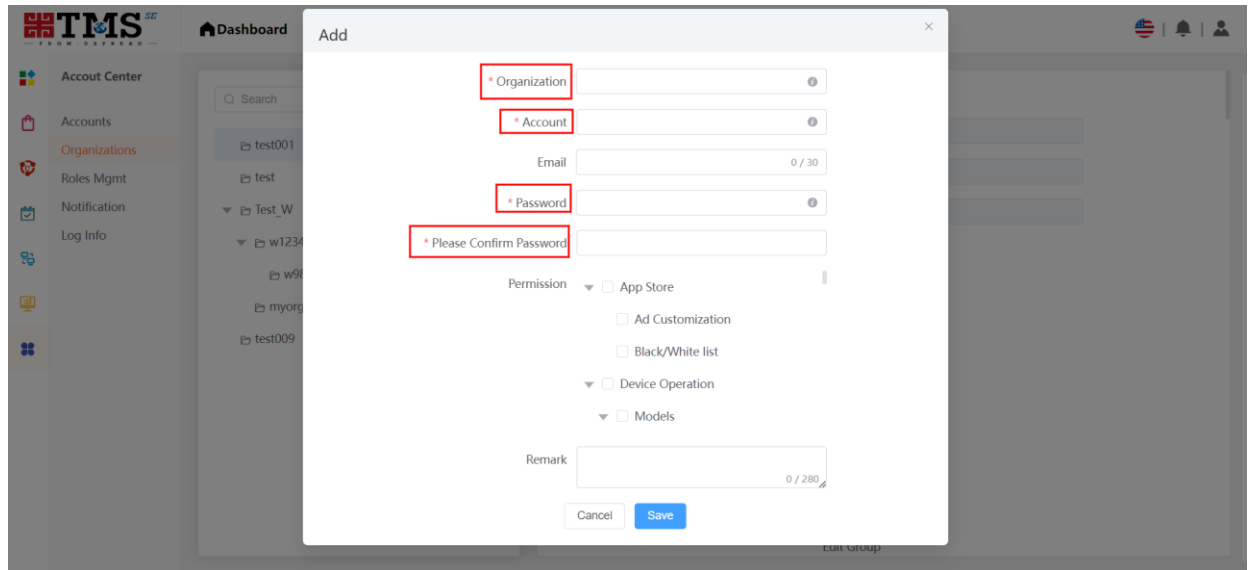
- Once you've filled it out, click "Save".

## 5.2.4 Create sub-organizations



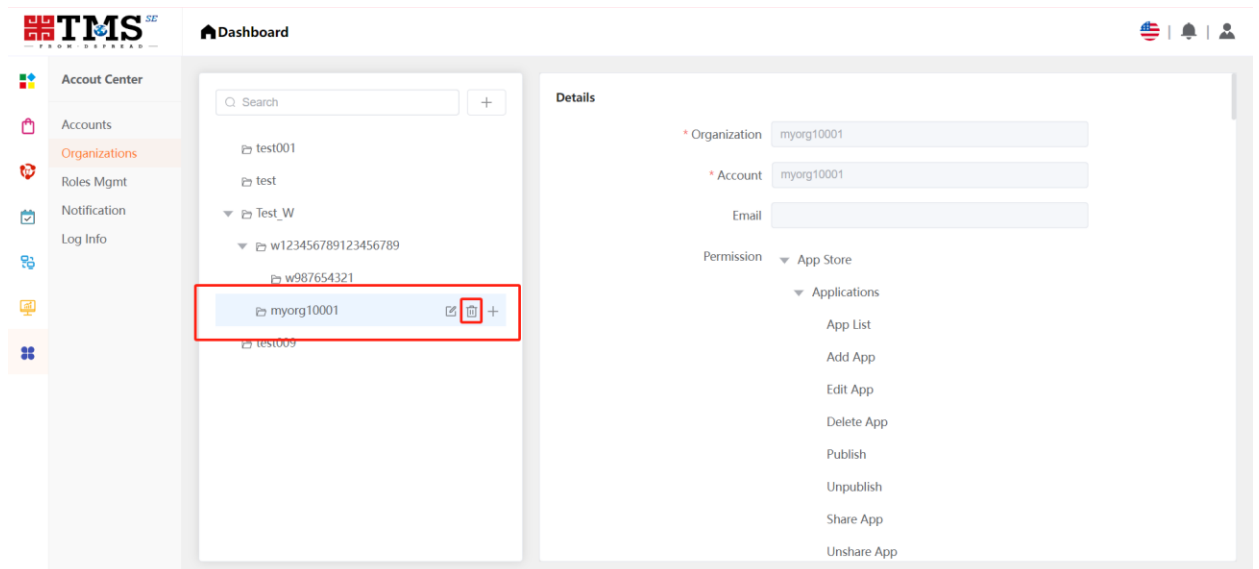
- Select an organization for which you want to create a suborganization.
- Find the button to the right of the selected organization  and click it to start creating a new suborganization.
- In the pop-up window for creating an organization, you need to fill in the following information:
  - Enter \*Institution 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



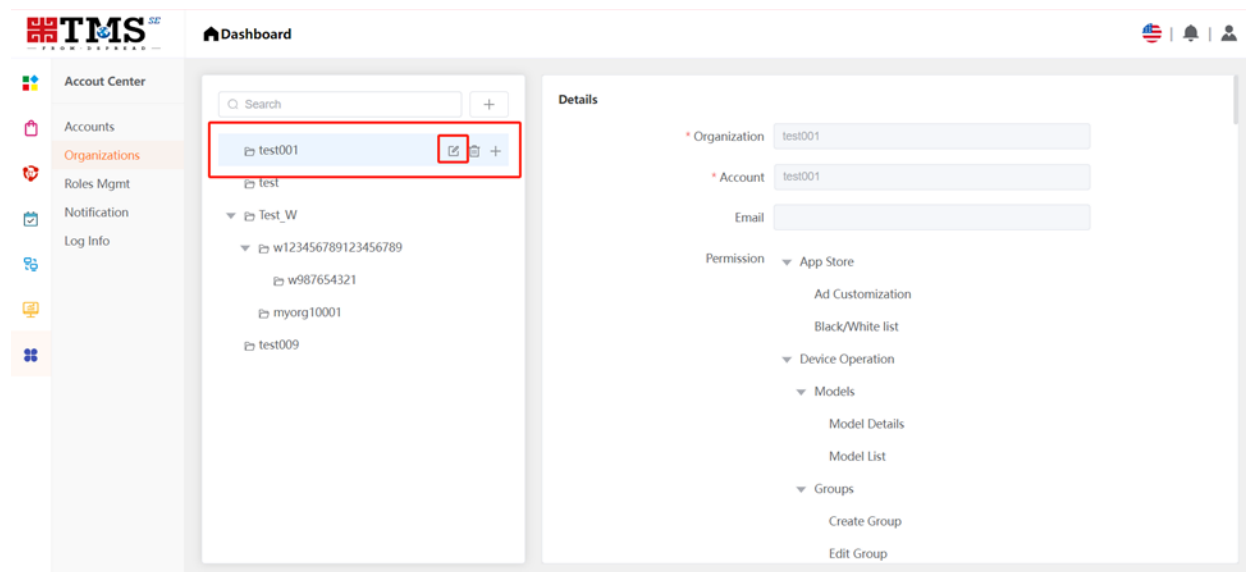
- Once you've filled it out, click "Save".


## 5.2.5 Deletion of institutions



- 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.

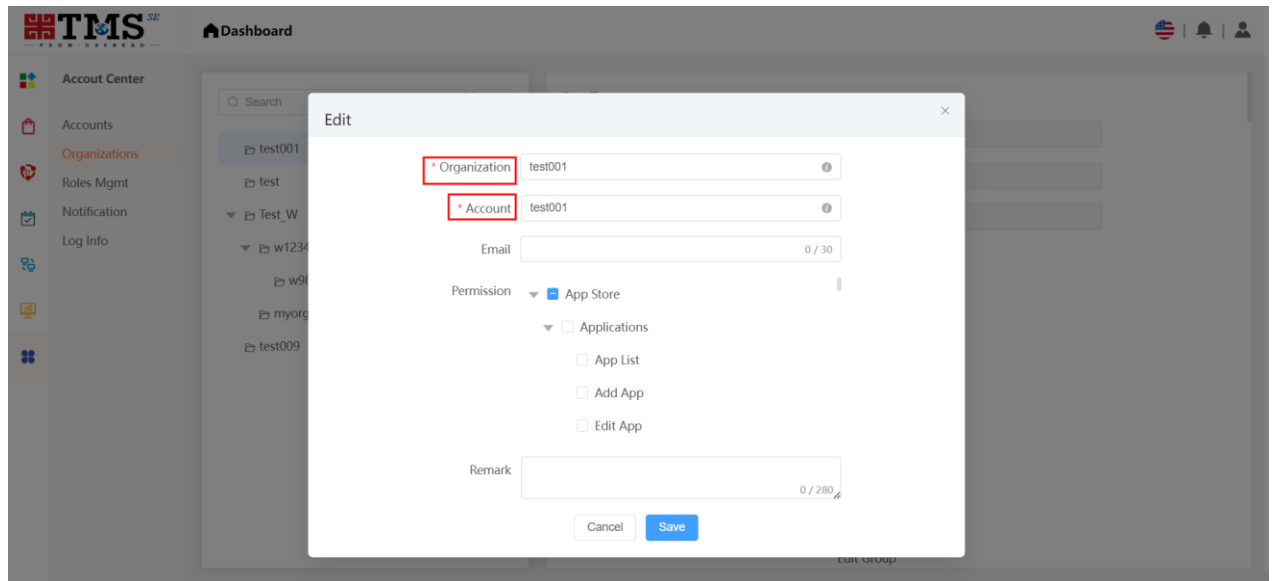
## 5.2.6 Editorial Agencies



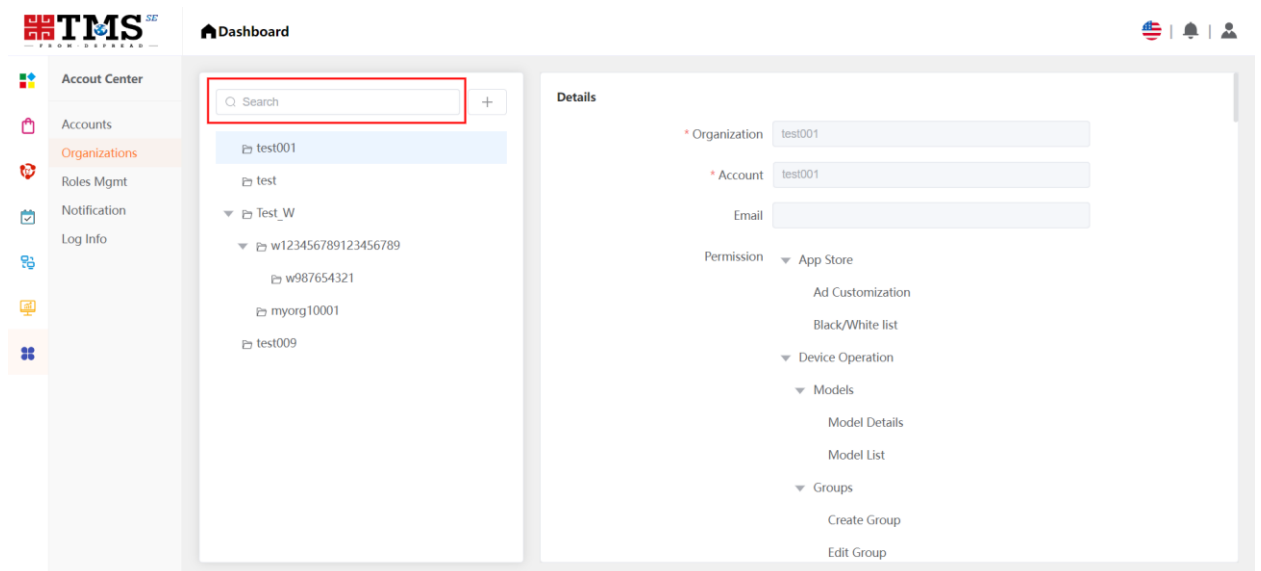
1. Select an organization that needs to be modified.
2. Click the button to the right of the selected organization  to start modifying the organization's information.
3. The information that can be modified is:
  - \*Name of the institution
  - \*Administrator account name
  - mailbox
  - Role permissions
  - Institution Introduction

**Note:** Fields with \* are required

4. After filling in the modification information, click the "Save" button to modify it successfully.



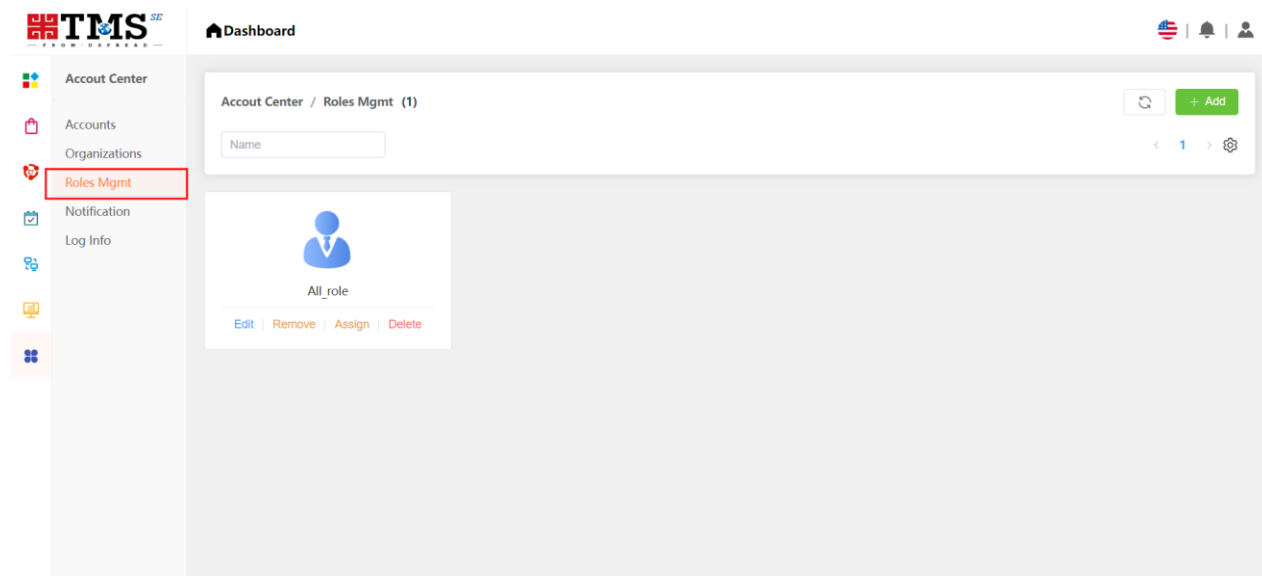
## 5.2.7 Inquiry Agency




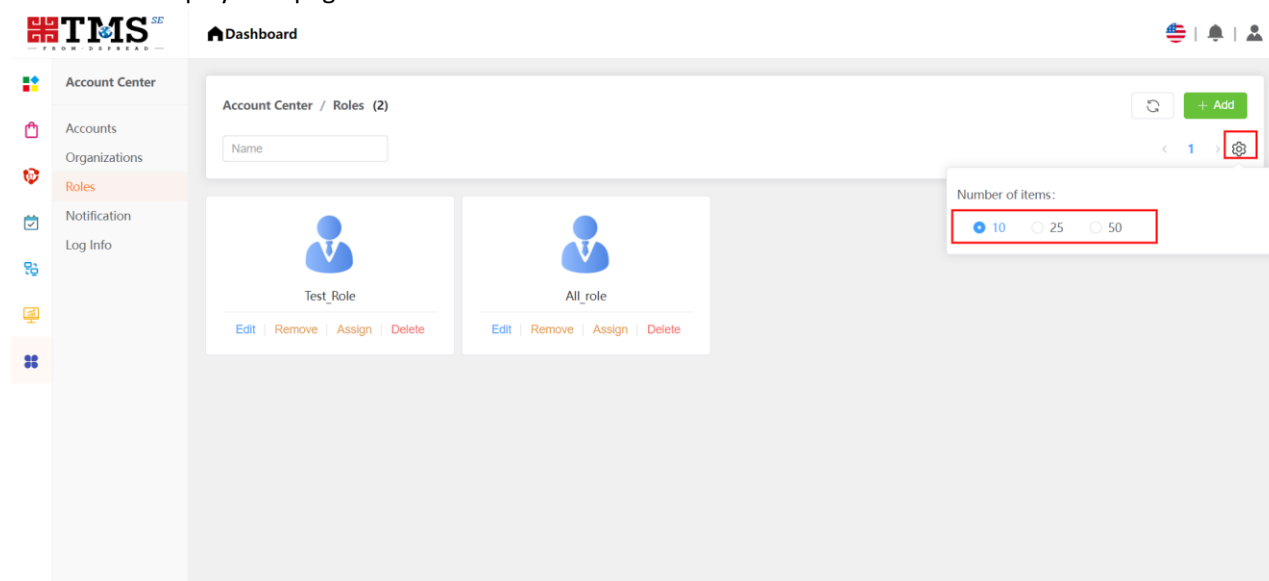
1. Find the organization search box at the top of the page and enter the full name or part of the keywords of the organization you want to search.
2. After completing the input check, click the Enter button to perform the query operation.

## 5.3 Role Management

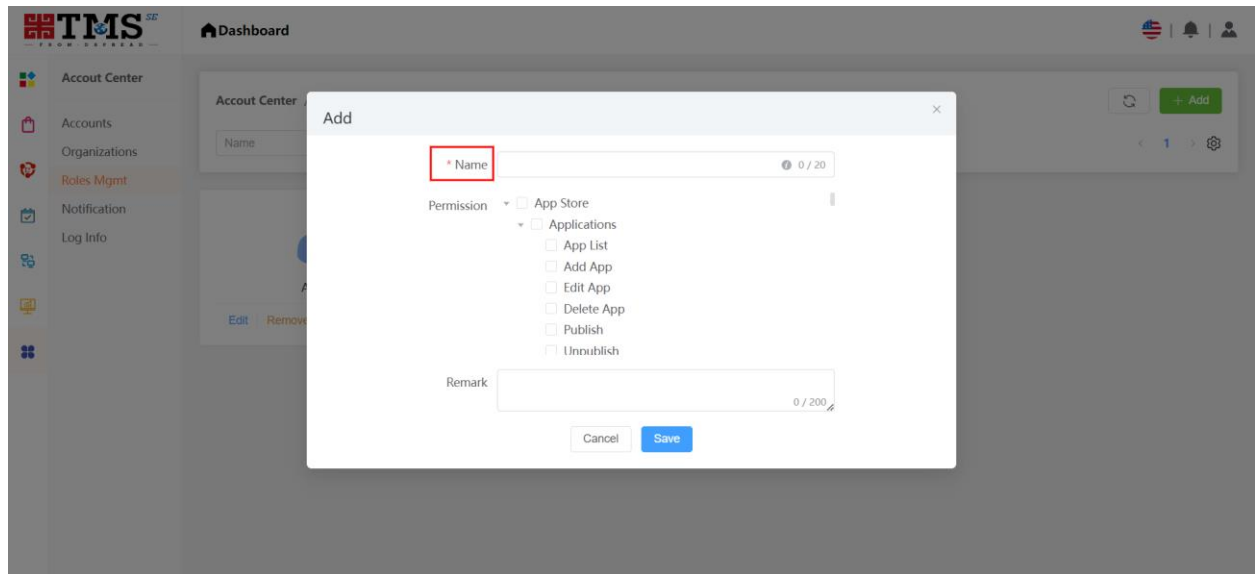
1. Click the 【Account Center】 -> 【Roles Mgmt】 button on the left menu bar to enter the role management page.




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

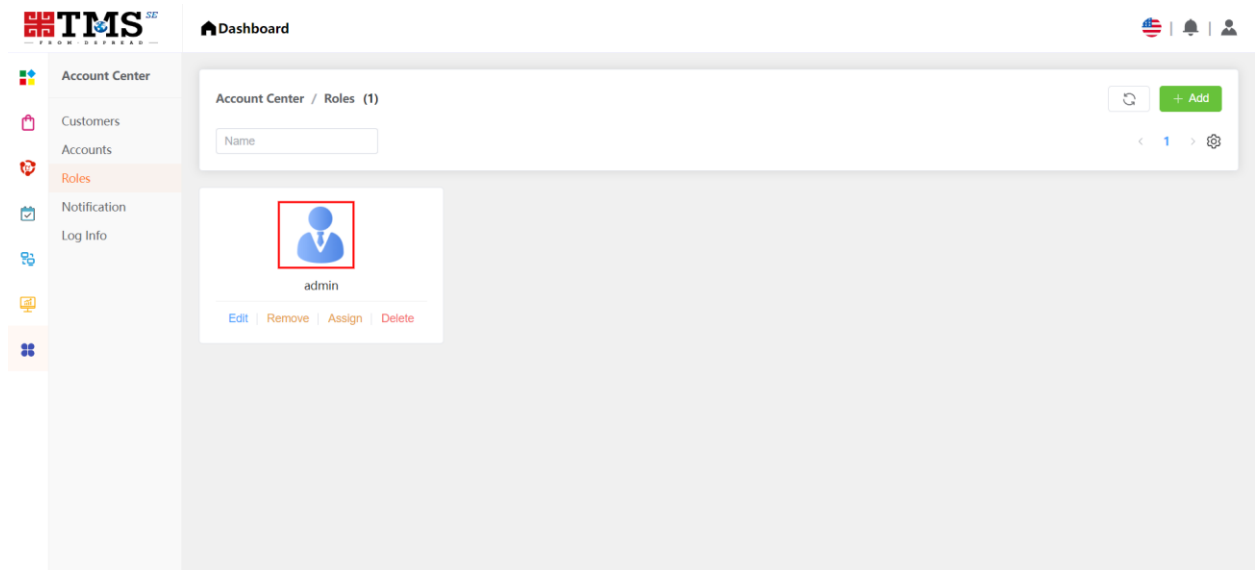



1. Click the Add button at the top right of the interface  to start adding a new character, and you need to fill in the following information in the pop-up window:
  - Enter \*Role Name
  - Select Role Permissions
  - Enter a description of the role

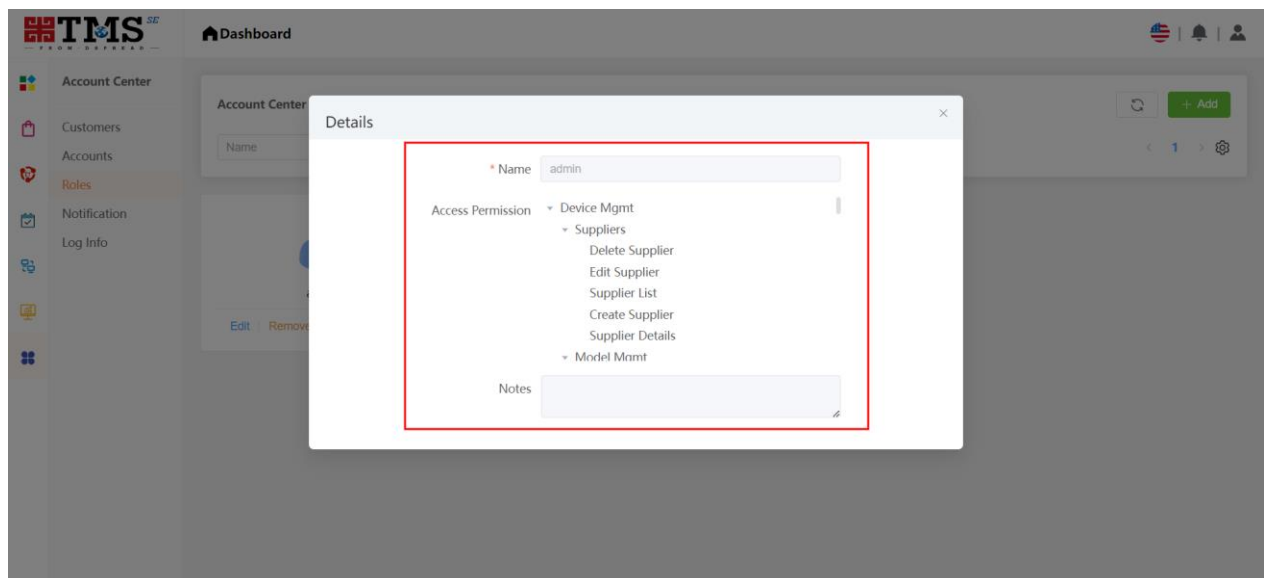
**Note:** Fields with \* are required.

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

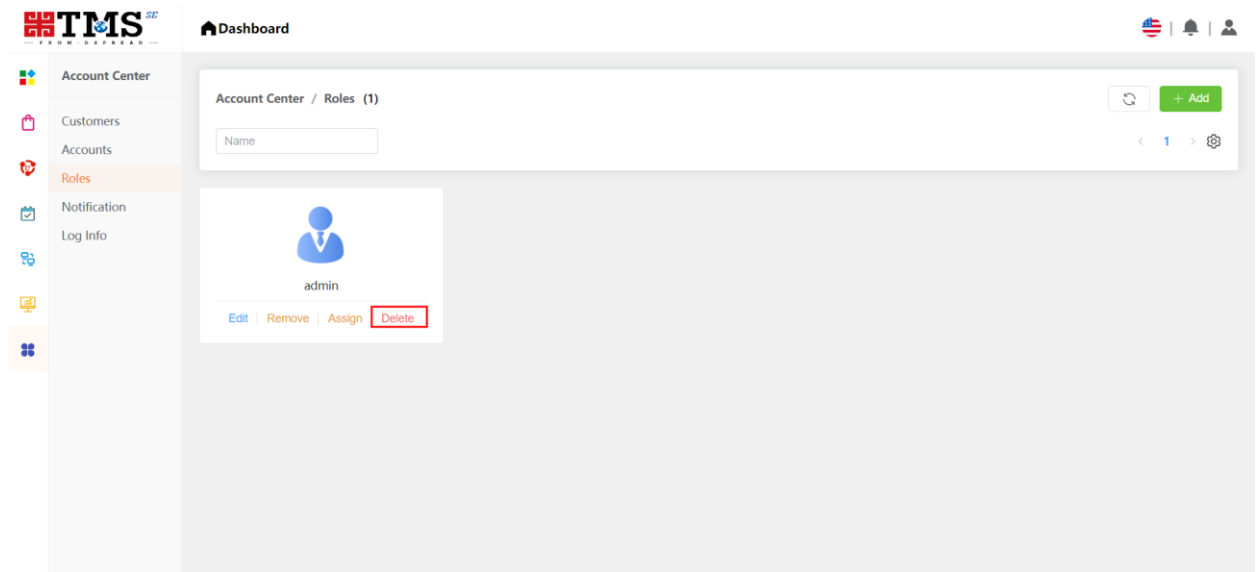
## 5.3.2 Role Details



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.

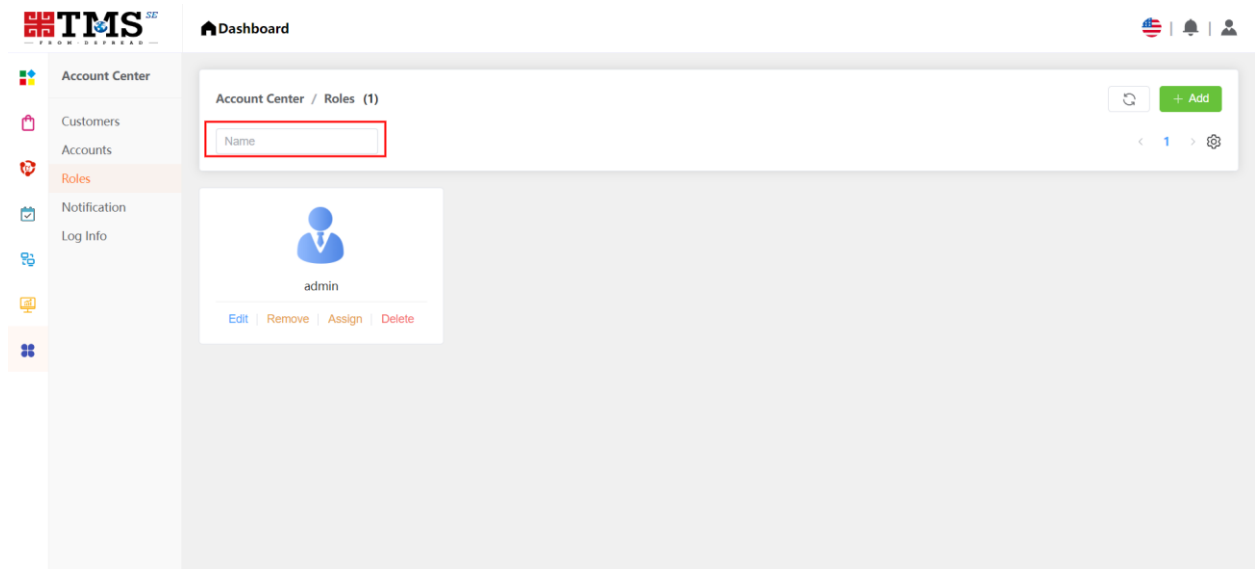


### 5.3.3 Delete Roles



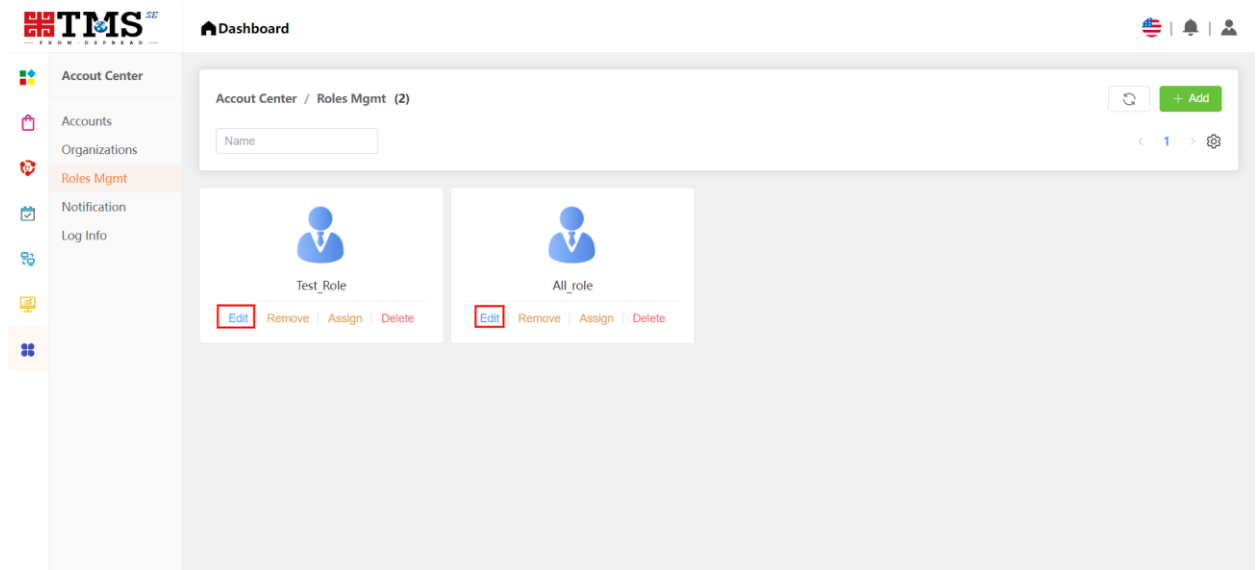
1. Find the "Delete" button in the bottom right corner of each character grid and click on it.
2. Click and click "OK" in the pop-up box to delete it successfully.

### 5.3.4 Query roles

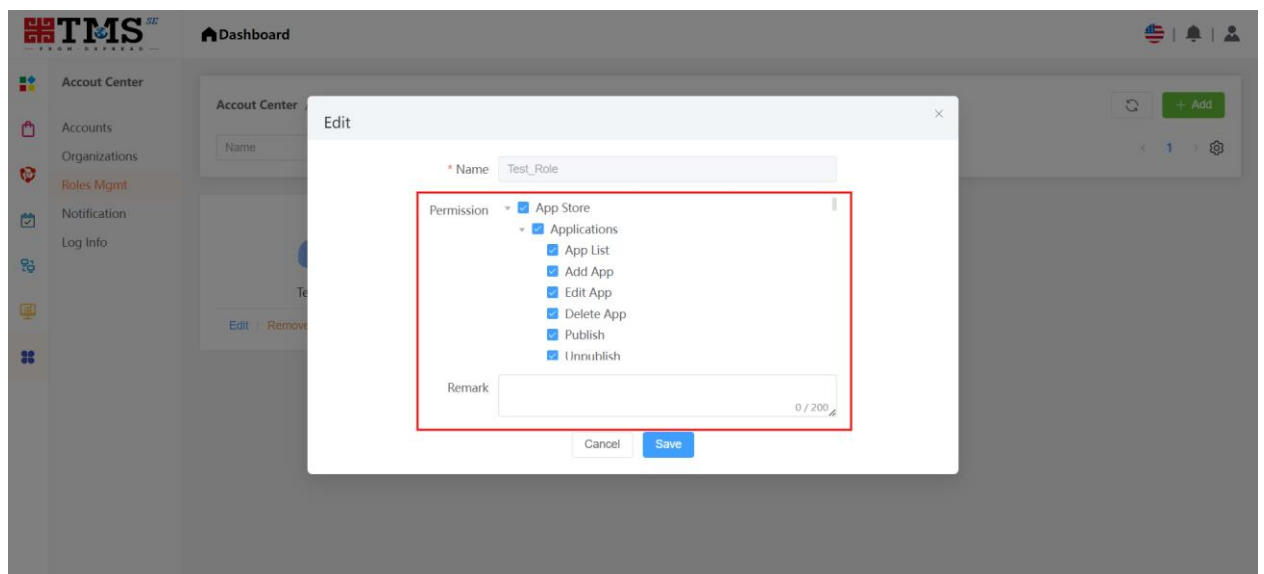


1. Find the search box at the top left of the screen and enter the name of the character you want to search.
2. After the input is complete, click the Enter button to perform the query operation.

## 5.3.5 Modify Roles

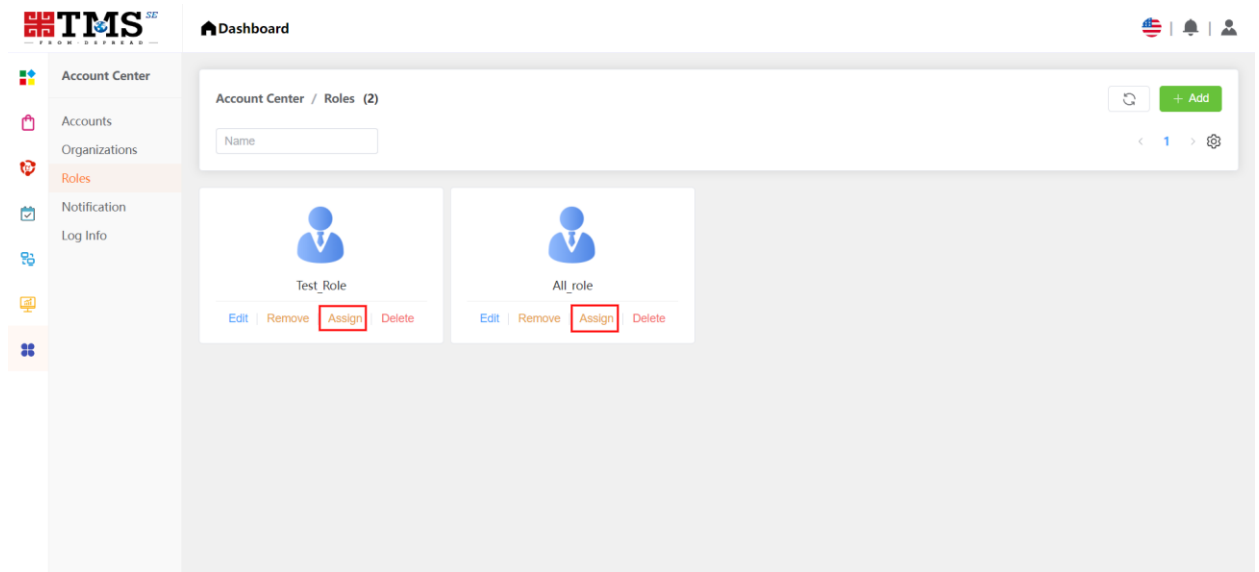


1. Find the "Edit" button in the bottom left corner of each character grid and click on it.
2. In the Modify Role pop-up window, modify the role permissions and description of the role.

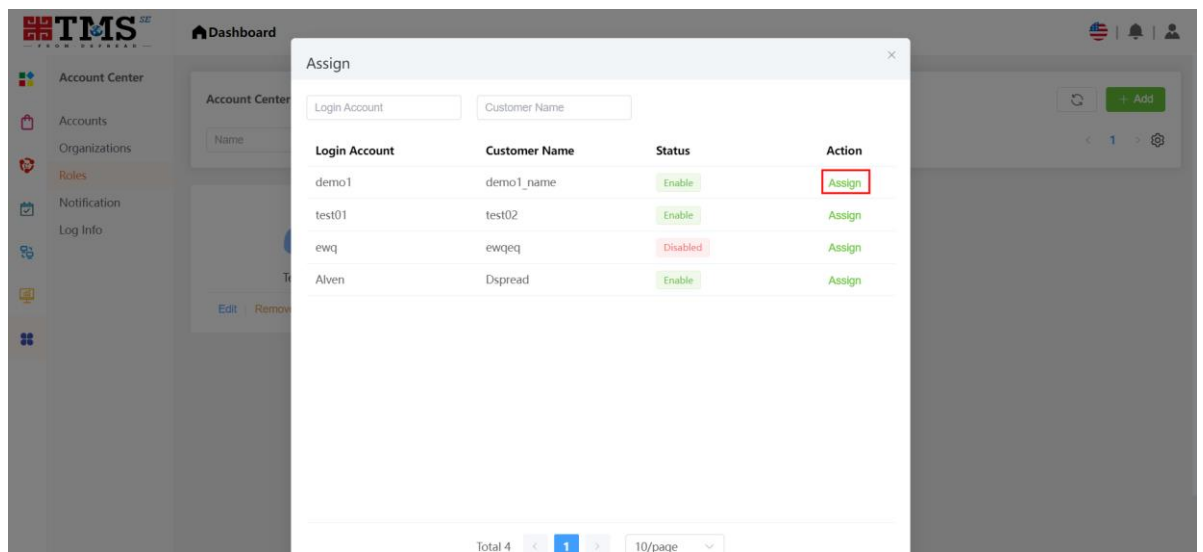


3. After the modification is completed, click "Save" to modify it successfully.

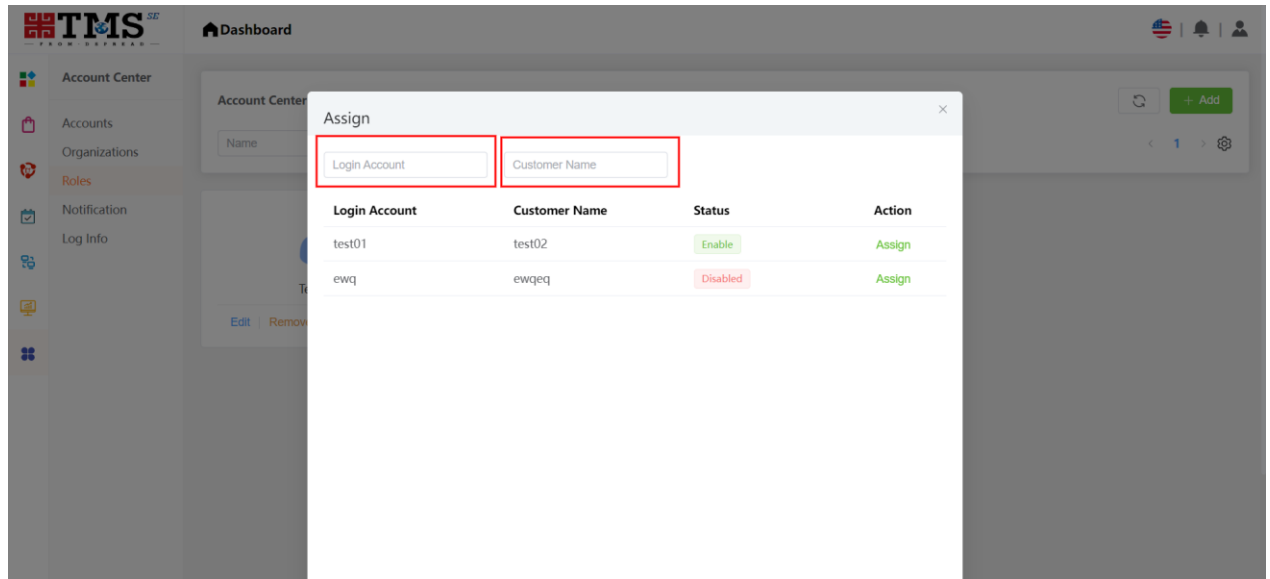
## 5.3.6 Assign roles



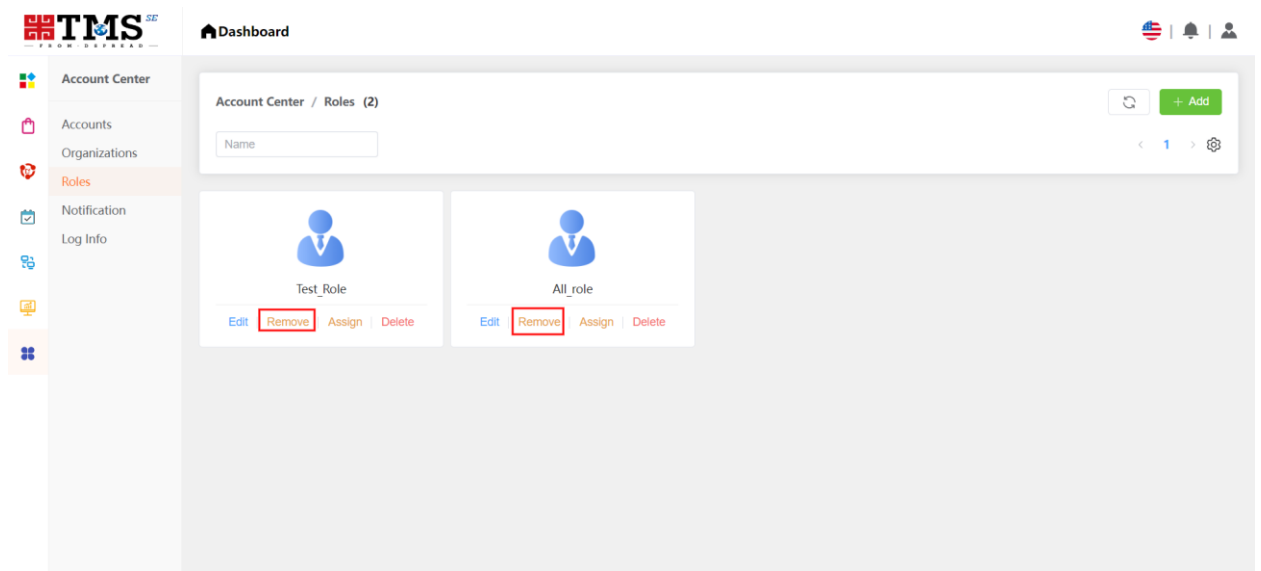
1. Find the "Assign" button below each character grid and click on it.
2. In the role assignment pop-up window, all accounts under the current organization will be displayed, and you only need to click the "Assign" button on the far right to assign roles to the accounts.



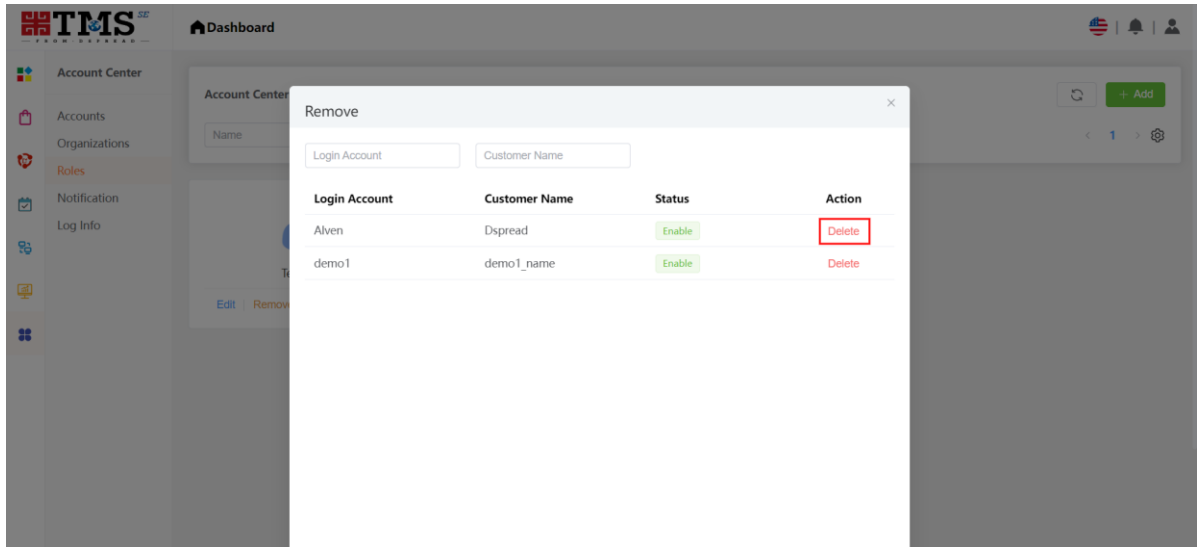
3. If you have too many accounts at your current organization, you can also use the login account search box and the customer name search box at the top of the window to search.



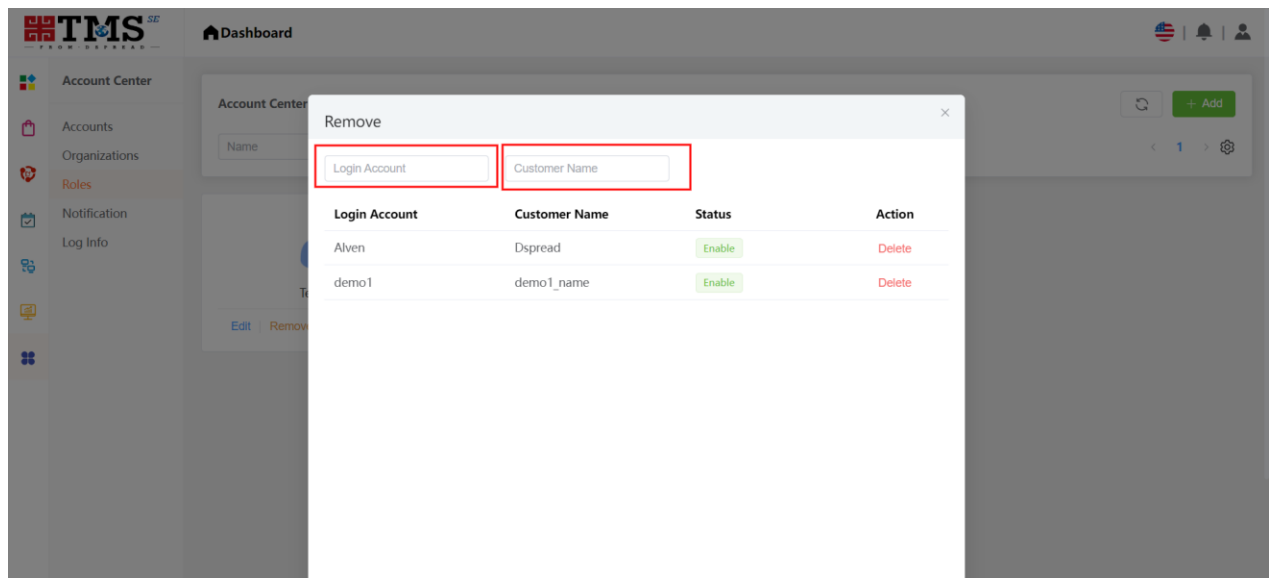
### 5.3.7 Management Roles



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.

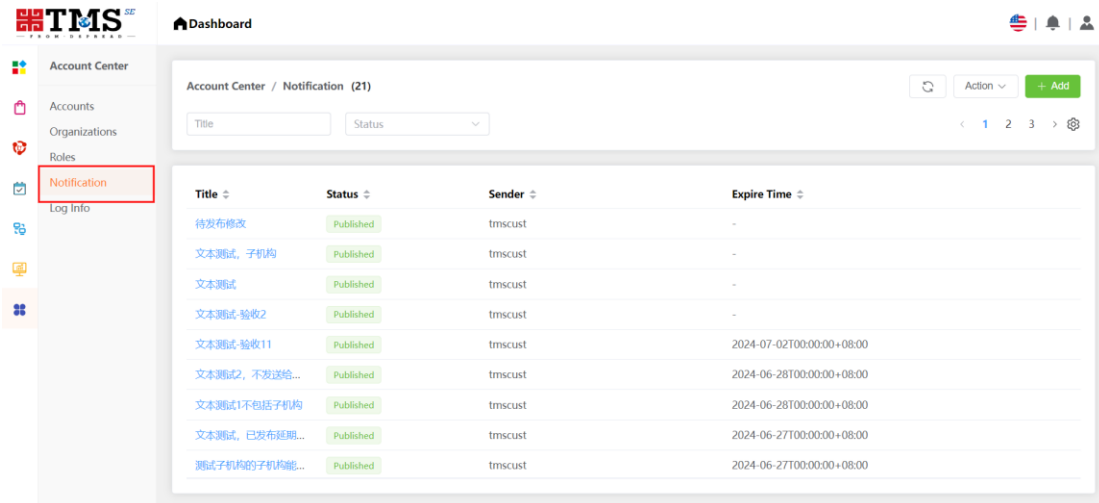



- If you have too many accounts at your current organization, you can also use the login account search box and the customer name search box at the top of the window to search.

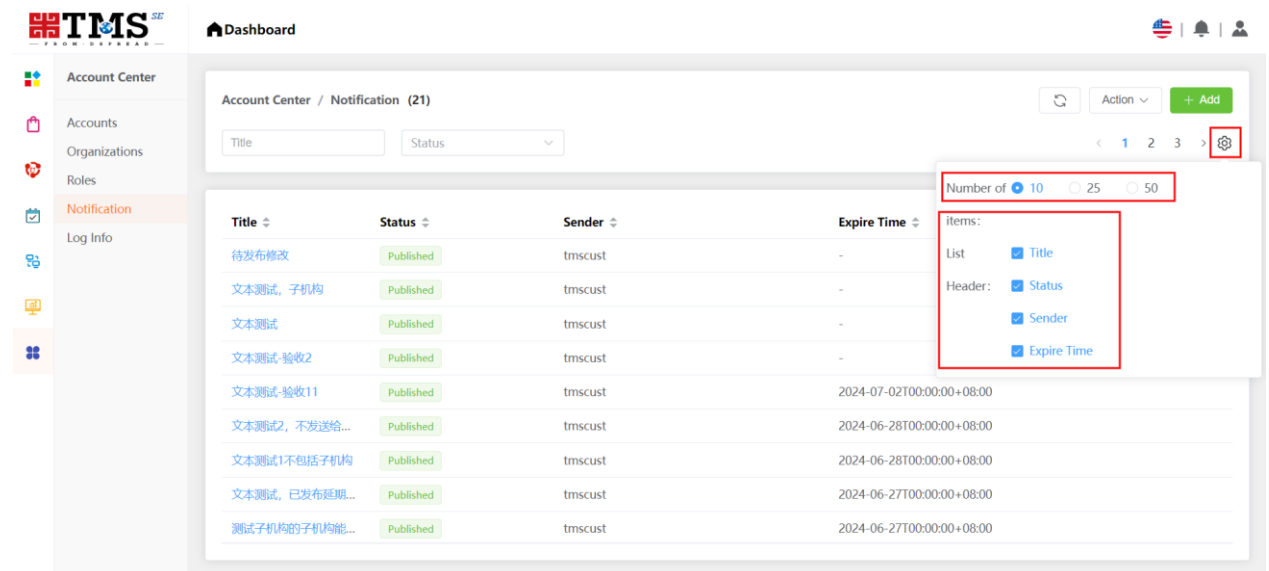


## 5.4 Notification Management

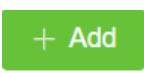
- Click the **【Account Center】** -> **【Notification】** button on the left menu bar to enter the notification management page.



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

1. 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:
  - a. 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).

The screenshot shows the 'Add' notification form in the LarkTMS interface. The form is titled 'Add' and has a close button 'X'. It contains the following fields and options:

- \* Title: A text input field with a character count '0 / 30'.
- \* Notification Type: A dropdown menu currently set to 'Notifications'.
- Content Type: A dropdown menu currently set to 'Text'.
- \* Content: A large text area for entering the notification content.
- \* Recipients: A dropdown menu currently set to 'Select'.
- Include Sub-organizations: A toggle switch currently set to 'No'.
- Expiry Time: A date and time picker.
- Buttons: 'Cancel' and 'Save'.

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).

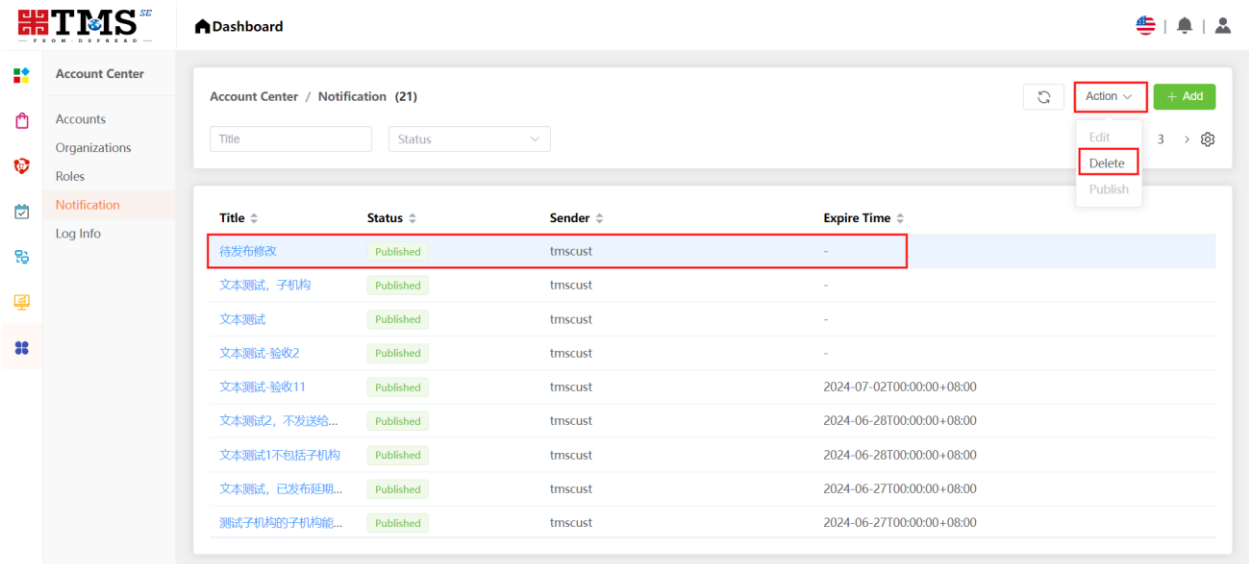
The screenshot shows the 'Add' notification form in the LarkTMS interface, similar to the previous one but with the 'Content Type' set to 'File'. The form contains the following fields and options:

- \* Title: A text input field with a character count '0 / 30'.
- \* Notification Type: A dropdown menu currently set to 'Notifications'.
- Content Type: A dropdown menu currently set to 'File'.
- \* File: A button labeled 'Select File'.
- \* Recipients: A dropdown menu currently set to 'Select'.
- Include Sub-organizations: A toggle switch currently set to 'No'.
- Expiry Time: A date and time picker.
- Buttons: 'Cancel' and 'Save'.

**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

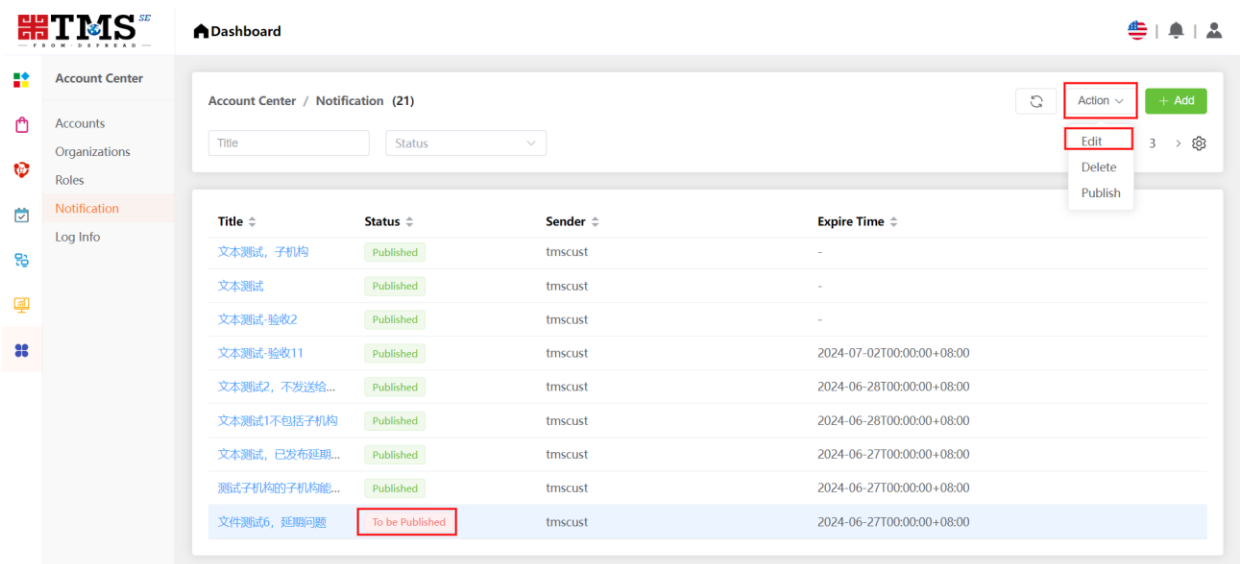


The screenshot shows the 'Account Center / Notification (21)' page. The 'Action' dropdown menu is open, and the 'Delete' option is highlighted with a red box. The table below lists various notifications.

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

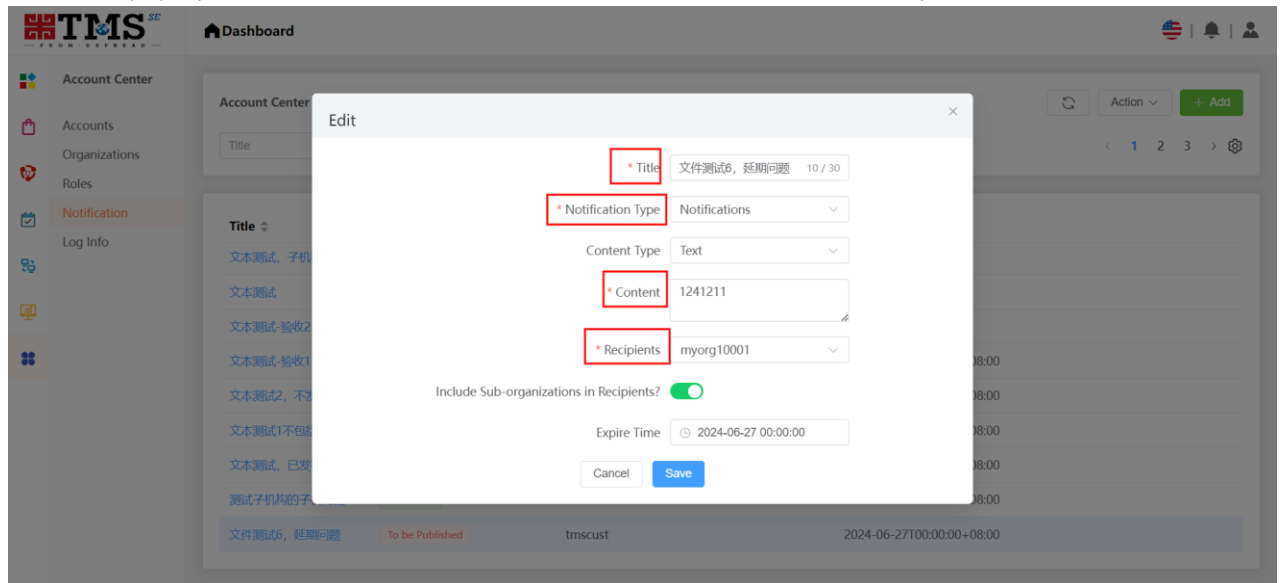


The screenshot shows the 'Account Center / Notification (21)' page. The 'Edit' button in the 'Action' dropdown menu is highlighted with a red box. The table below lists various notifications.

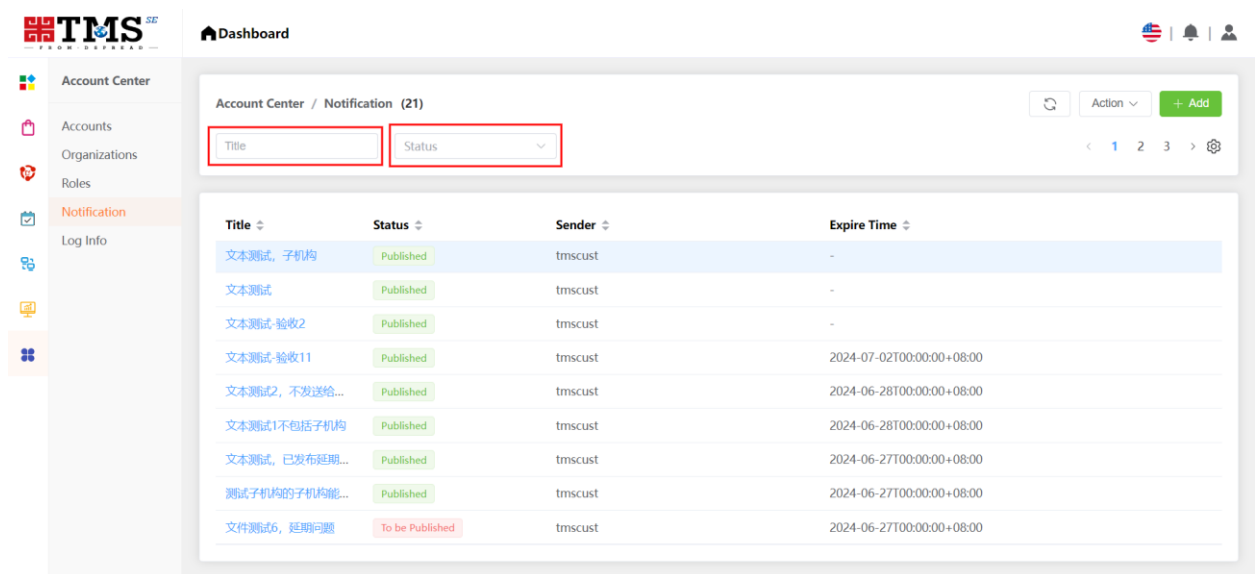
Title	Status	Sender	Expire Time
文本测试, 子机构	Published	tmscust	-
文本测试	Published	tmscust	-
文本测试-验收2	Published	tmscust	-
文本测试-验收11	Published	tmscust	2024-07-02T00:00:00+08:00
文本测试2, 不发送给...	Published	tmscust	2024-06-28T00:00:00+08:00
文本测试1不包括子机构	Published	tmscust	2024-06-28T00:00:00+08:00
文本测试, 已发布延期...	Published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

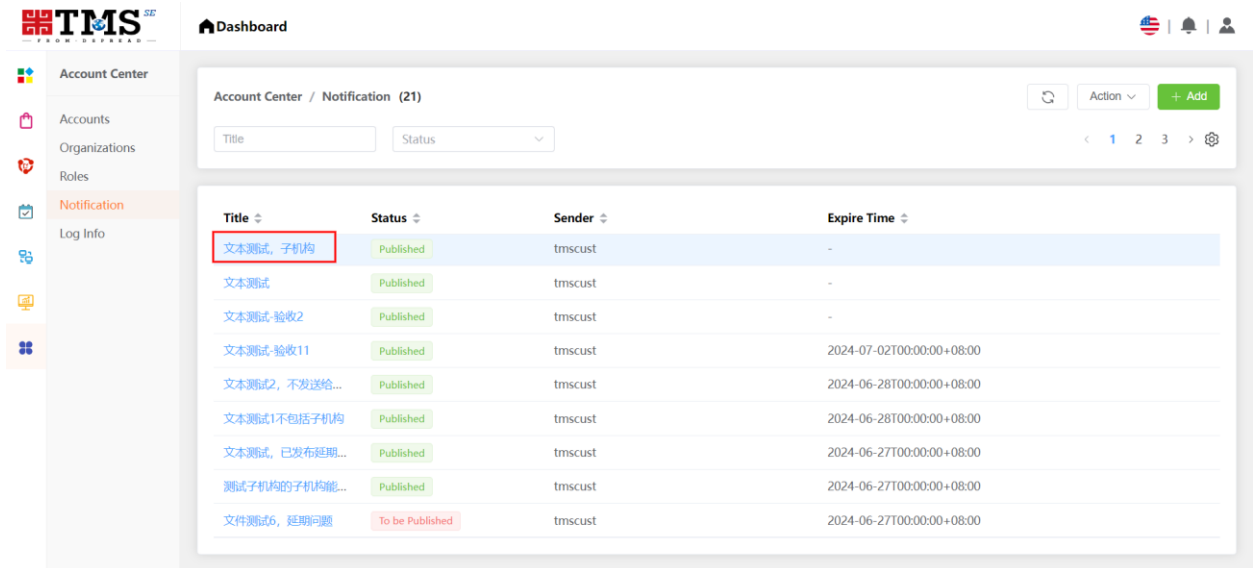


## 5.4.4 Query Notifications



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



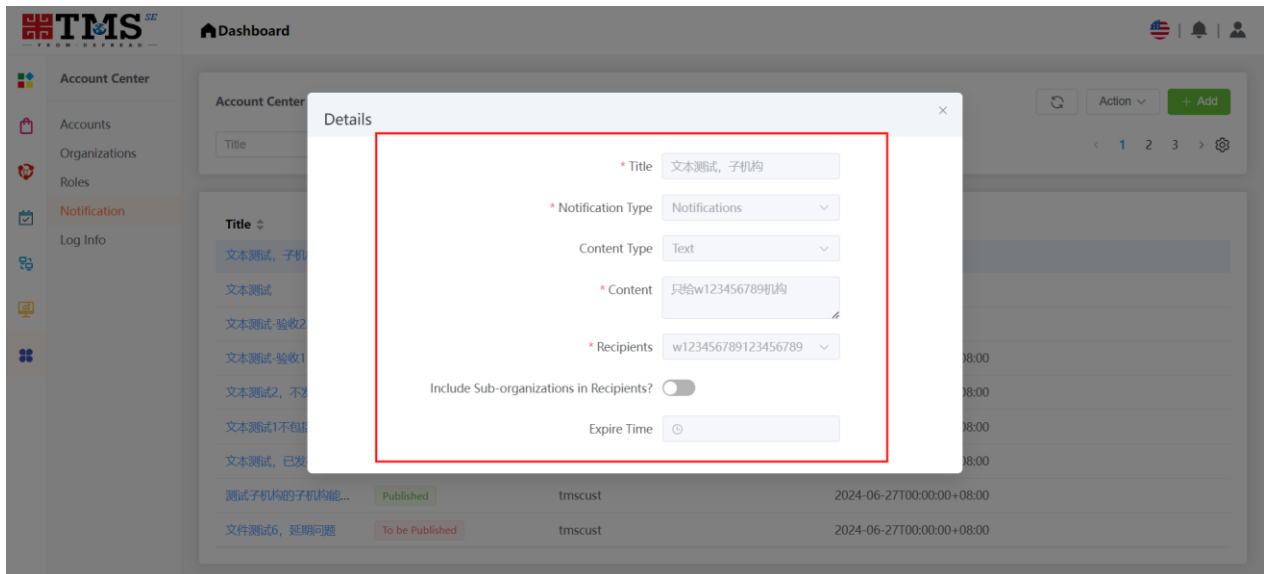
Account Center / Notification (21)

Search: [Title] [Status]

Actions: [Refresh] [Action] [Add]

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

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



Details

\* Title: 文本测试, 子机构

\* Notification Type: Notifications

Content Type: Text

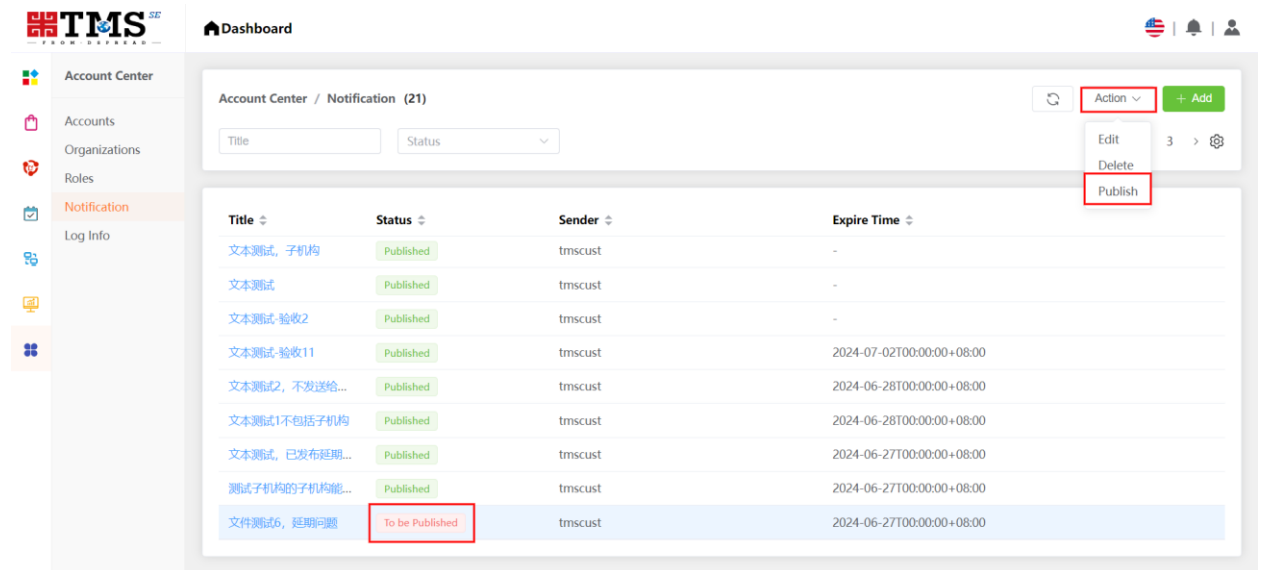
\* Content: 只给w123456789机构

\* Recipients: w123456789123456789

Include Sub-organizations in Recipients? ☐

Expire Time: [Clock Icon]

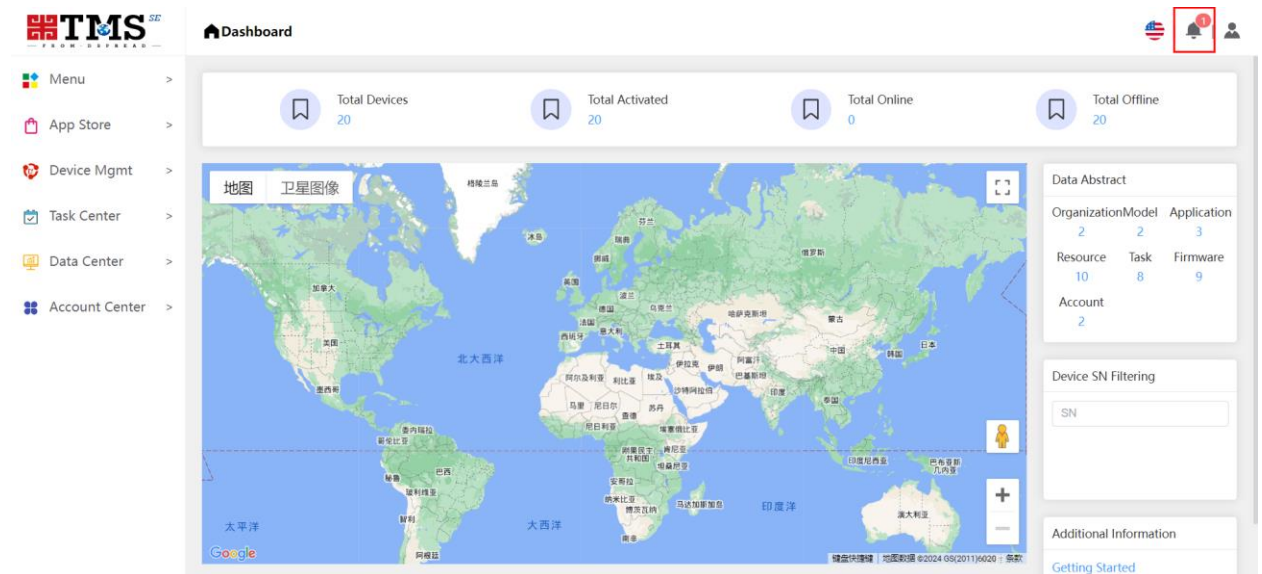
## 5.4.6 Publication Notice



Account Center / Notification (21)

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

1. 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
2. Click Confirm in the pop-up window to publish the notification.
3. After the notification is posted, you will receive the notification at the corresponding organization depending on the notification settings.



Dashboard

Total Devices: 20, Total Activated: 20, Total Online: 0, Total Offline: 20

Data Abstract

OrganizationModel	Application
2	2
Resource	Task
10	8
Account	Firmware
2	9

Device SN Filtering

SN:

Additional Information

Getting Started

## 5.5 Log Management


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

**TMS** **Dashboard**

Account Center / Log Info (233869)

1 2 3 4 5 6 ... 4678

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.

**TMS** **Dashboard**

Account Center / Log Info (233869)

1 2 3 4 5 6 ... 4678

Number of 10 25 50

Items:

List ☒ IP Address

Header: ☒ Operator

☒ Operate Time

☒ Type

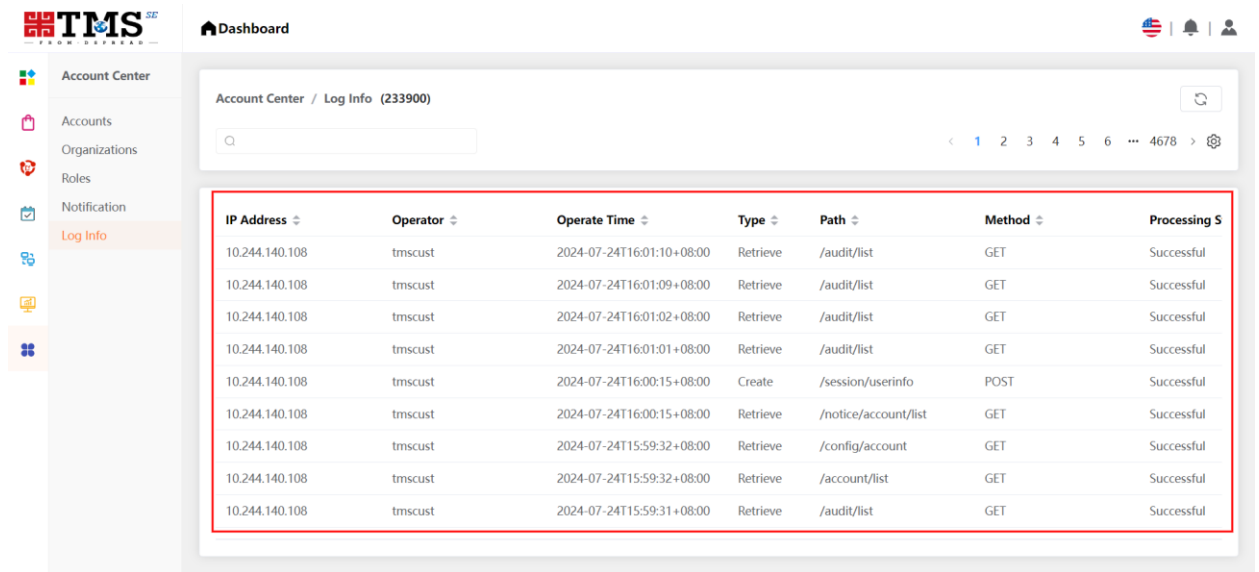
☒ Path

☒ Method

☒ Processing Status

IP Address	Operator	Operate Time	Type	Path	Method	Processing Status
10.244.140.108	tmscust	2024-07-24T15:57:23+08:00	Retrieve	/config/account		
10.244.140.108	tmscust	2024-07-24T15:57:10+08:00	Retrieve	/notice/list		
10.244.140.108	tmscust	2024-07-24T15:57:09+08:00	Retrieve	/notice/list		
10.244.140.108	tmscust	2024-07-24T15:57:09+08:00	Retrieve	/config/account		
10.244.140.108	tmscust	2024-07-24T15:57:03+08:00	Retrieve	/notice/account/list		
10.244.140.108	tmscust	2024-07-24T15:57:02+08:00	Retrieve	/report/getHomeSu...		
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

## 5.5.1 Log list

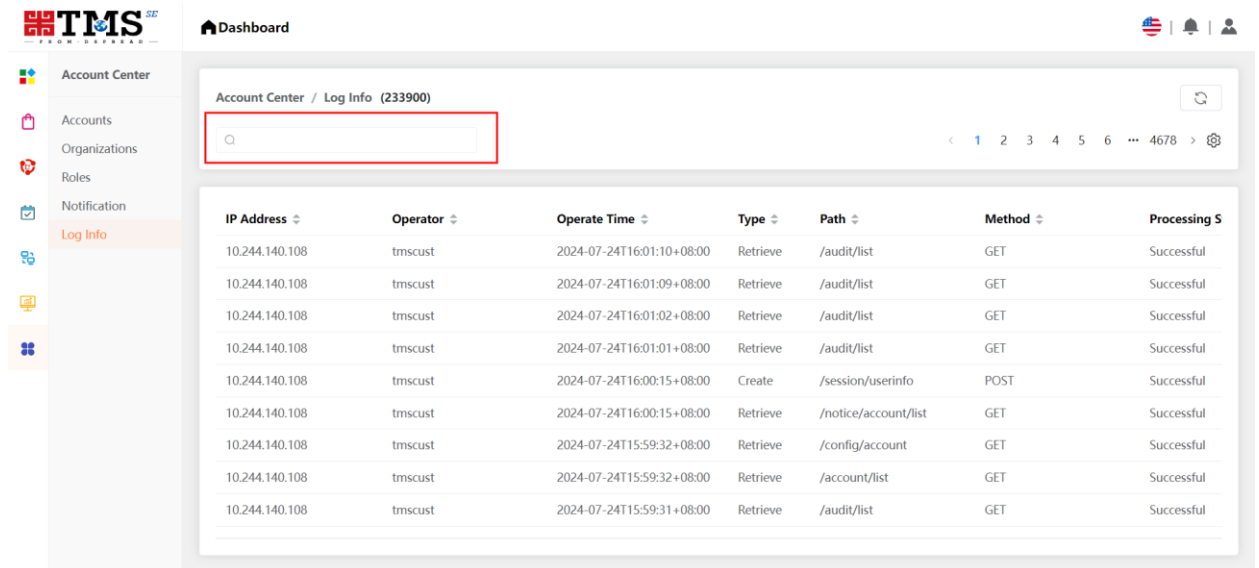


The screenshot shows the LarkTMS Account Center / Log Info page. The page has a sidebar with navigation links: Account Center, Accounts, Organizations, Roles, Notification, and Log Info (selected). The main content area displays a table of log entries for account 233900. The table has columns: IP Address, Operator, Operate Time, Type, Path, Method, and Processing S. The table contains 10 rows of log data, all with a status of 'Successful'.

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

1. 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.

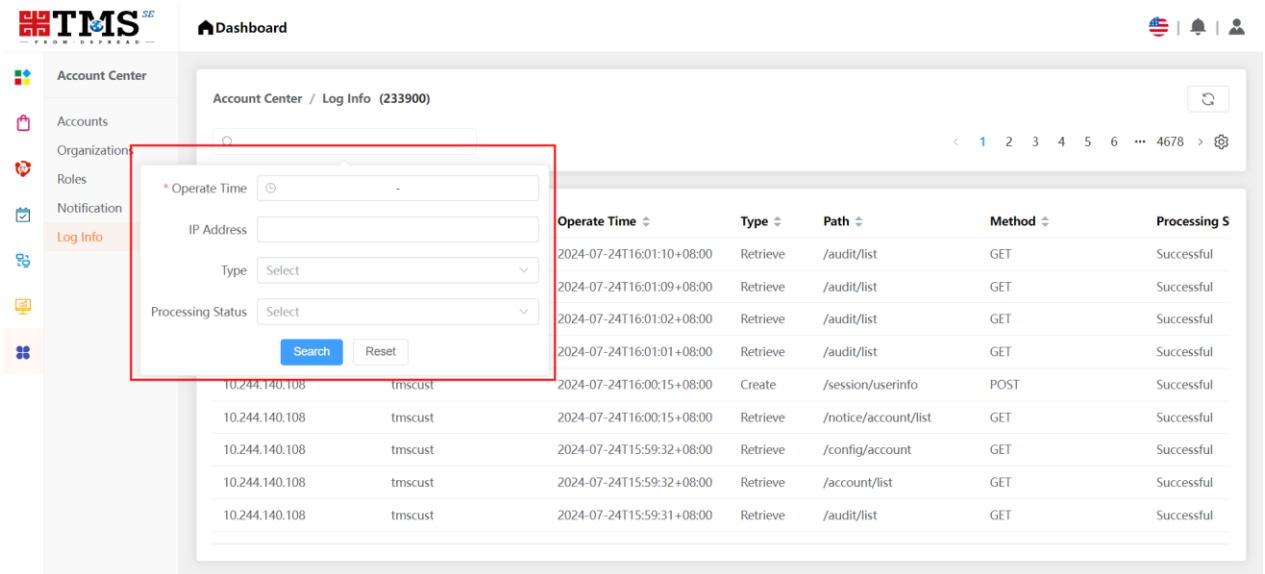
## 5.5.2 Query logs



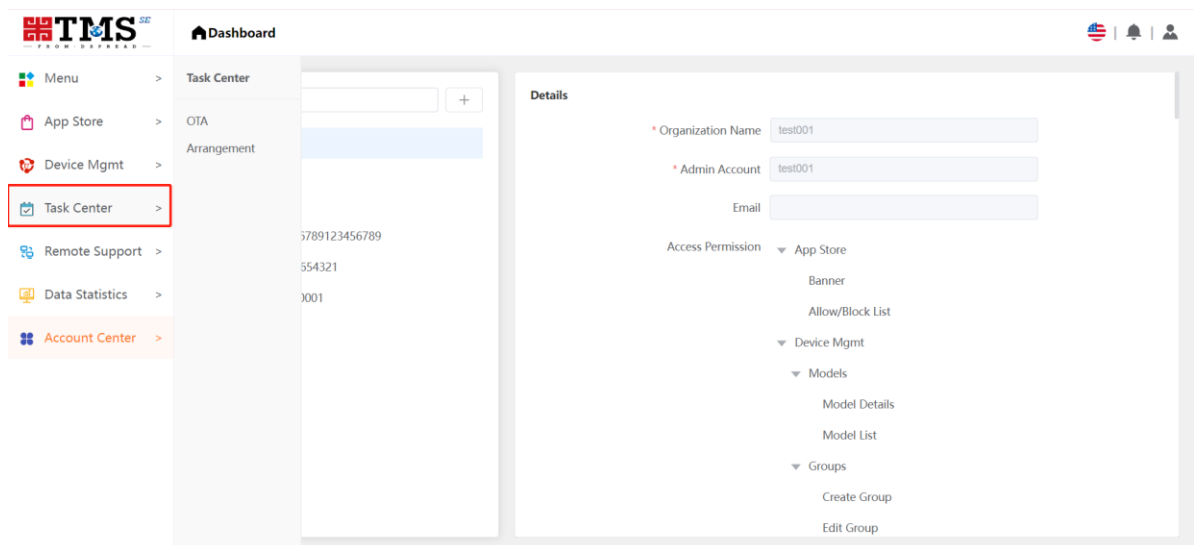
The screenshot shows the LarkTMS Account Center / Log Info page. The page has a sidebar with navigation links: Account Center, Accounts, Organizations, Roles, Notification, and Log Info (selected). The main content area displays a table of log entries for account 233900. The table has columns: IP Address, Operator, Operate Time, Type, Path, Method, and Processing S. The table contains 10 rows of log data, all with a status of 'Successful'. A search box is highlighted in the upper-left corner of the log management page.

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

1. Find the search box in the upper-left corner of the log management page and click it
2. 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.



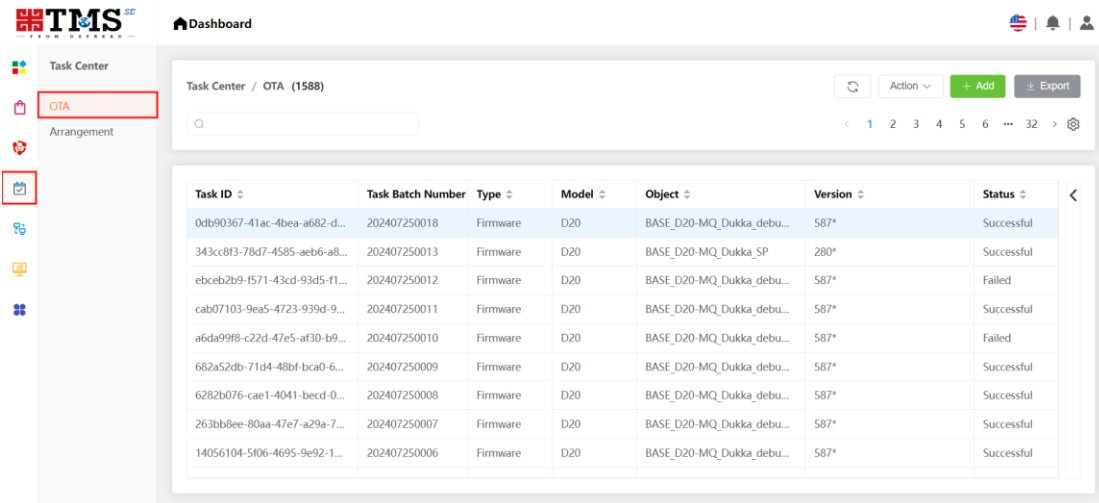
## 6.Mission Center



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


### 6.1 Push Tasks

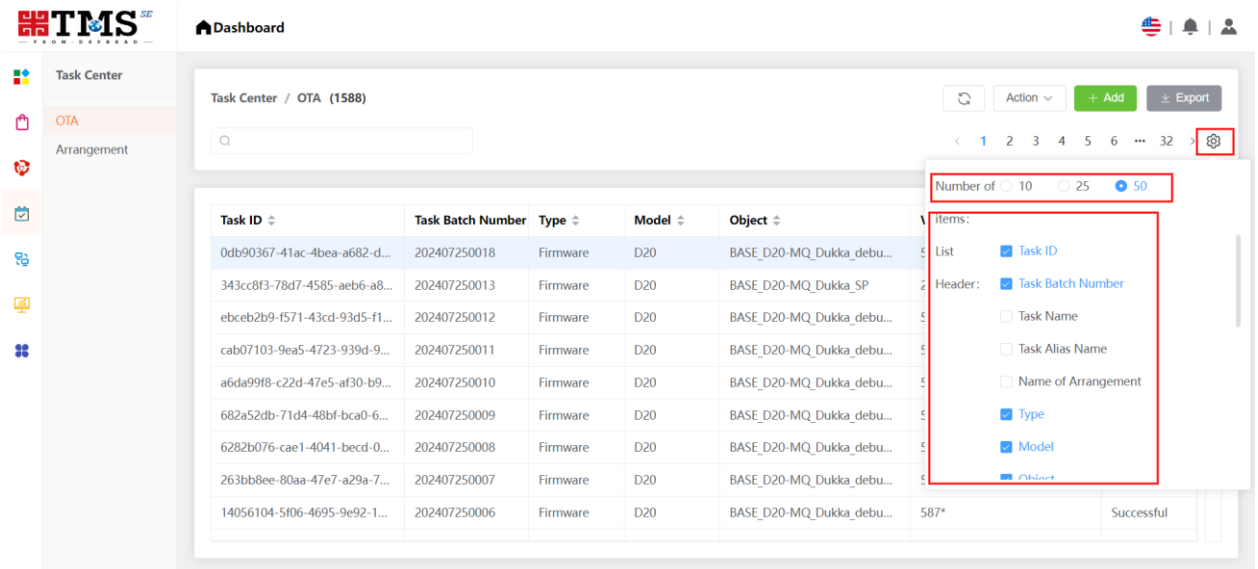
1.Click the **【Task Center】** -> **【OTA】** button on the left menu bar to enter the push task page.



Task Center / OTA (1588)

Task ID	Task Batch Number	Type	Model	Object	Version	Status
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
263bb8ee-80aa-47e7-a29a-7...	202407250007	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Successful
14056104-5f06-4695-9e92-1...	202407250006	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	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 the pagination; You can also modify the displayed list header.



Task Center / OTA (1588)

Task ID	Task Batch Number	Type	Model	Object	Version	Status
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
263bb8ee-80aa-47e7-a29a-7...	202407250007	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Successful
14056104-5f06-4695-9e92-1...	202407250006	Firmware	D20	BASE_D20-MQ_Dukka_debu...	587*	Successful

Number of 10 25 50

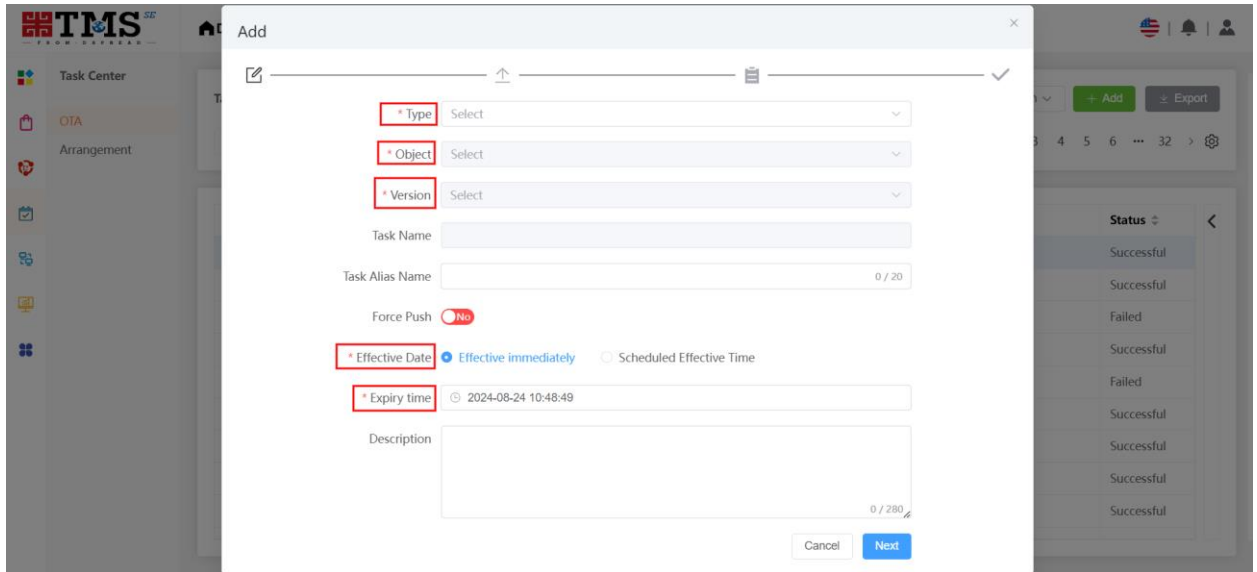
Items:


- ☒ Task ID
- ☒ Task Batch Number
- ☐ Task Name
- ☐ Task Alias Name
- ☐ Name of Arrangement
- ☒ Type
- ☒ Model
- ☒ Task ID

Header:

- ☒ Task ID
- ☒ Task Batch Number
- ☐ Task Name
- ☐ Task Alias Name
- ☐ Name of Arrangement
- ☒ Type
- ☒ Model
- ☒ Task ID


### 6.1.1 Add a task (single).

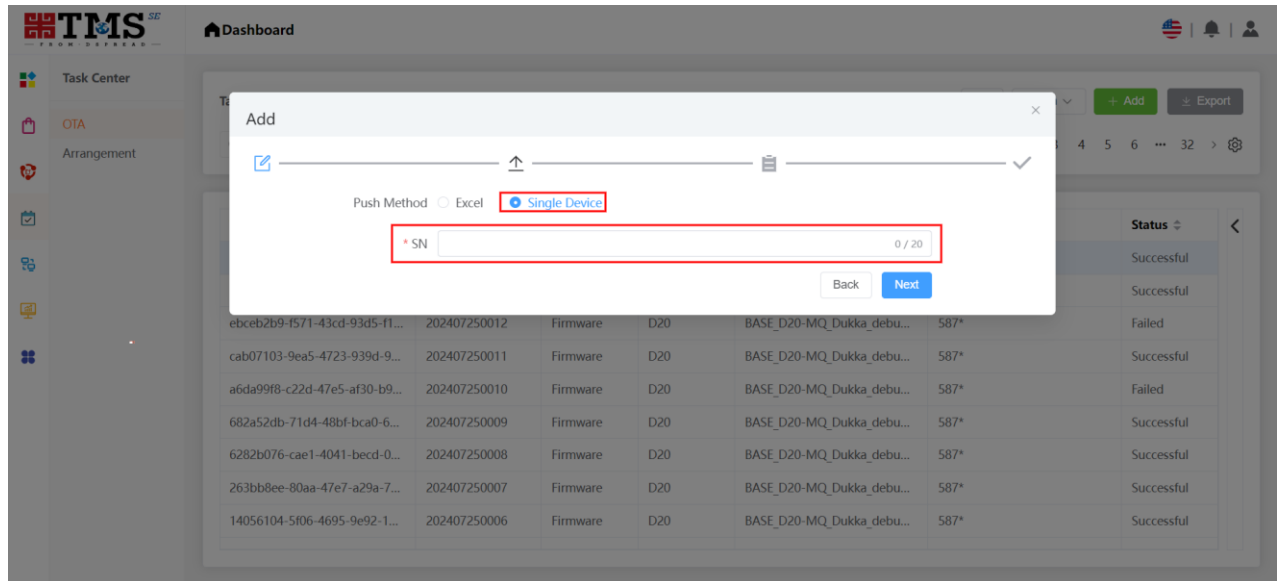


1. Click the Add button at the top right  of the interface to start adding a task, and you need to fill in the following relevant information in the pop-up window:

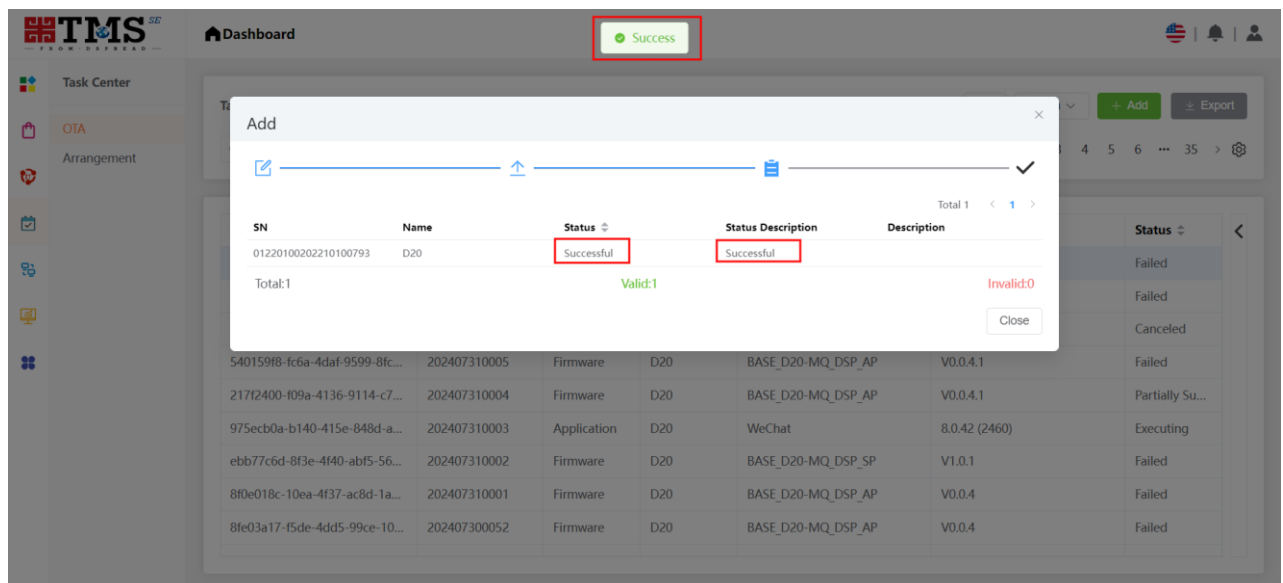
- Select the \*task type (firmware, resource, application).
- Select the \*Task object
- Select the \*Task version
- The task name is displayed automatically
- Enter a task alias
- Select whether to force push (when turned on, it will force push to the device).
- Select \*execution date (Immediate Execution,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

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

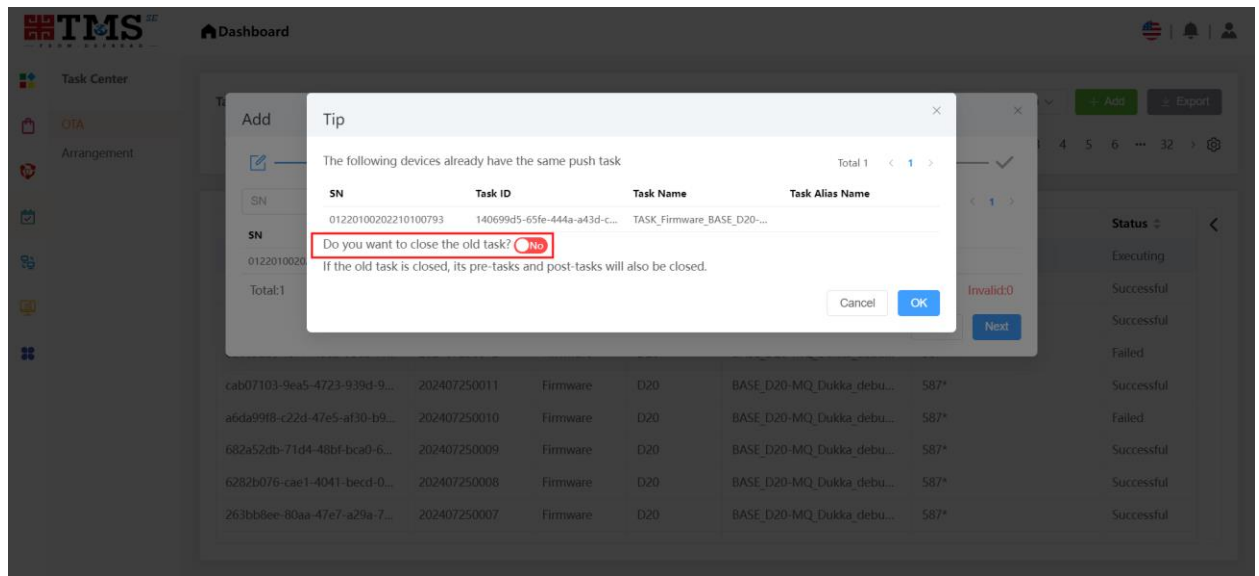
2. After filling in all the information in the above fields, click "Next" to enter the next step.
3. In the new window  **Single Device**, enter the SN number of the device you want to push, and click "Next" again.



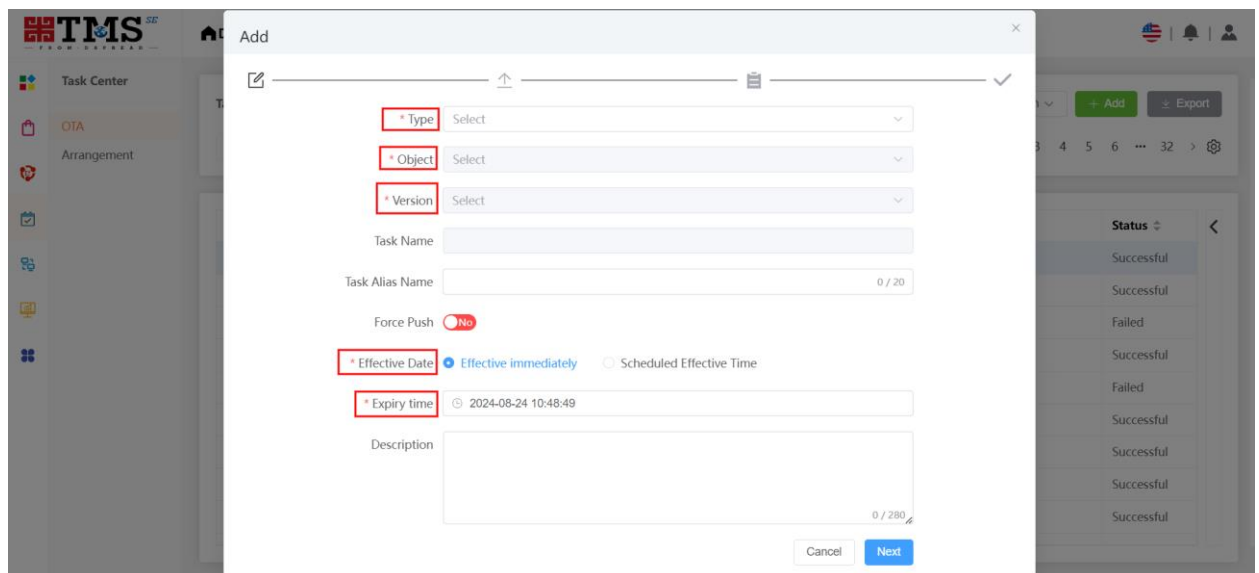
4. The system will perform verification, and the passed tasks and devices will display success; If it fails, fail will be displayed, as shown in the following figure:




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.



## 6.1.2 New Tasks (Multiple)



- Click the Add button at the top right + Add 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.

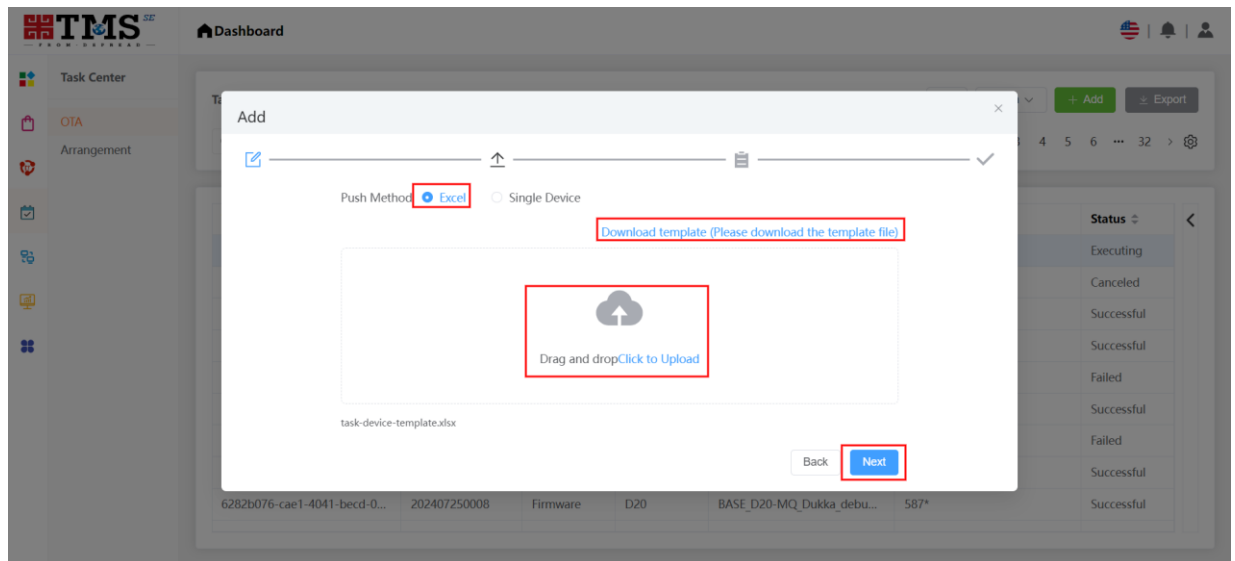
Select in the new window  **Excel** and click the "Template (please download the template file and use it)" button to download the template, the template is shown in the following figure:

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

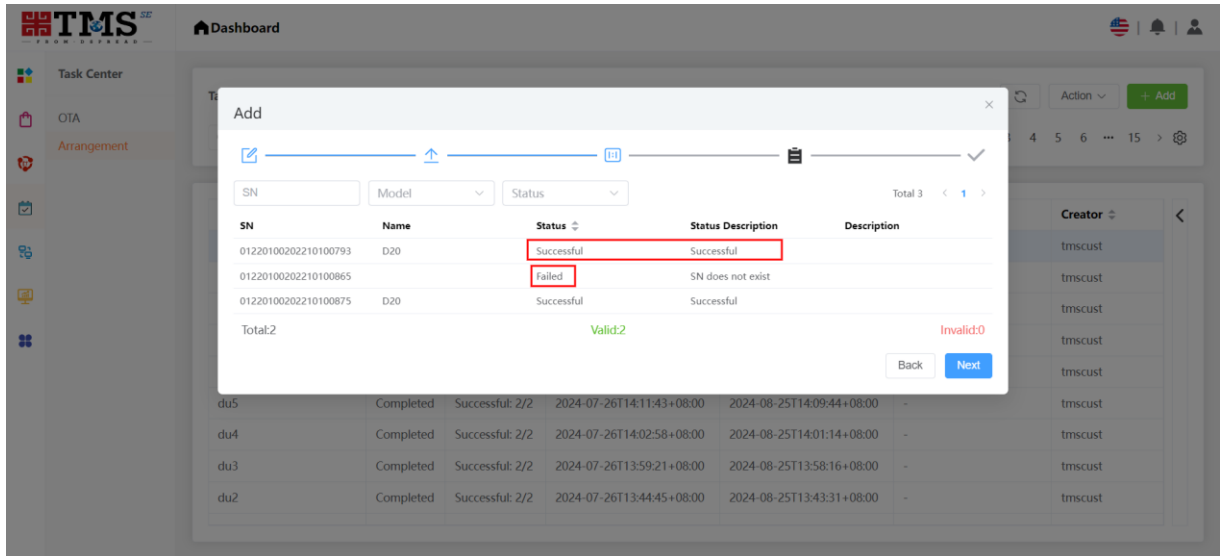
- Enter the imported \*SN number (where the SN number is a 20-digit number) in the template.



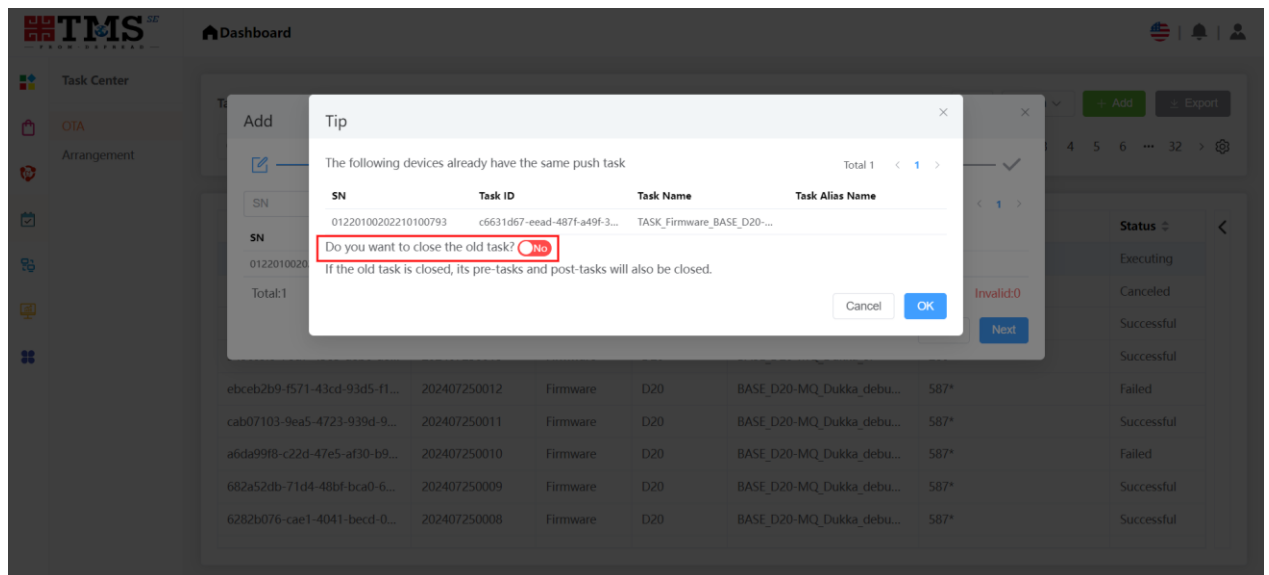
- Go back to TMS, click "Drag Files Here Click Upload", Drag Files Here [Click Upload](#) upload the completed form in Step 3, and click Next.



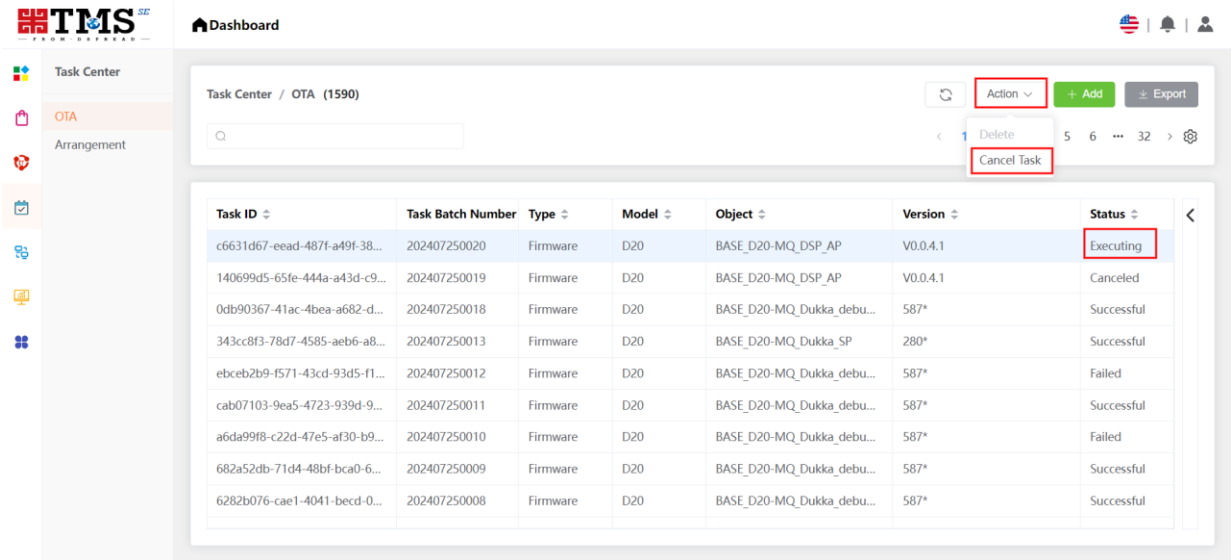
- The system will perform verification, and the passed tasks and devices will display success; If it fails, fail will be displayed



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.



## 6.1.3 Cancel the task



Task Center / OTA (1590)

Search:

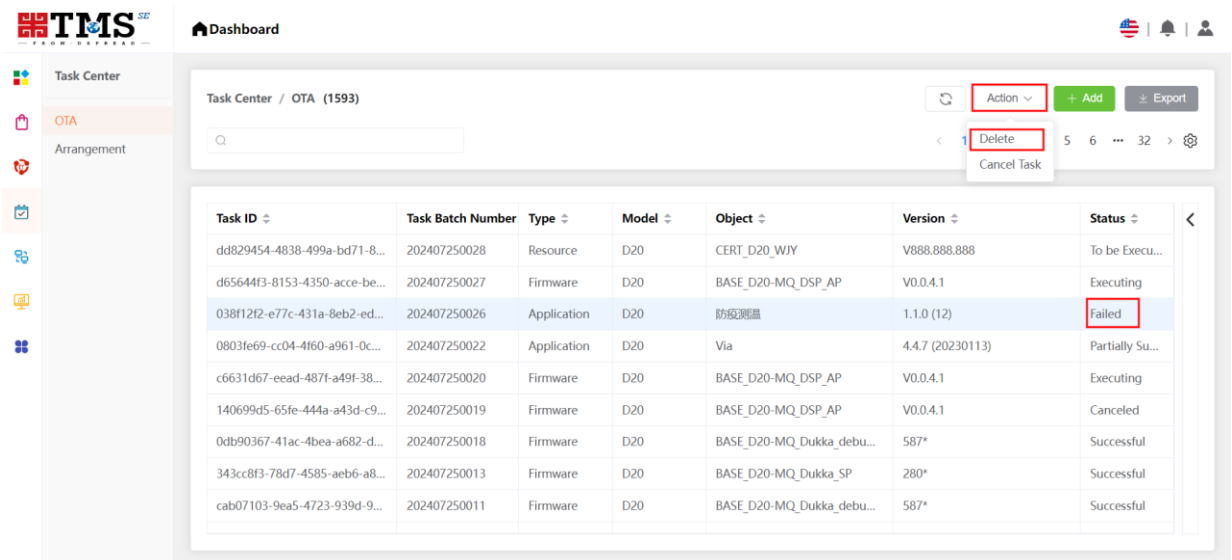
Buttons: Action, Add, Export

Page: 1 5 6 ... 32

Task ID	Task Batch Number	Type	Model	Object	Version	Status
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
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



Task Center / OTA (1593)

Search:

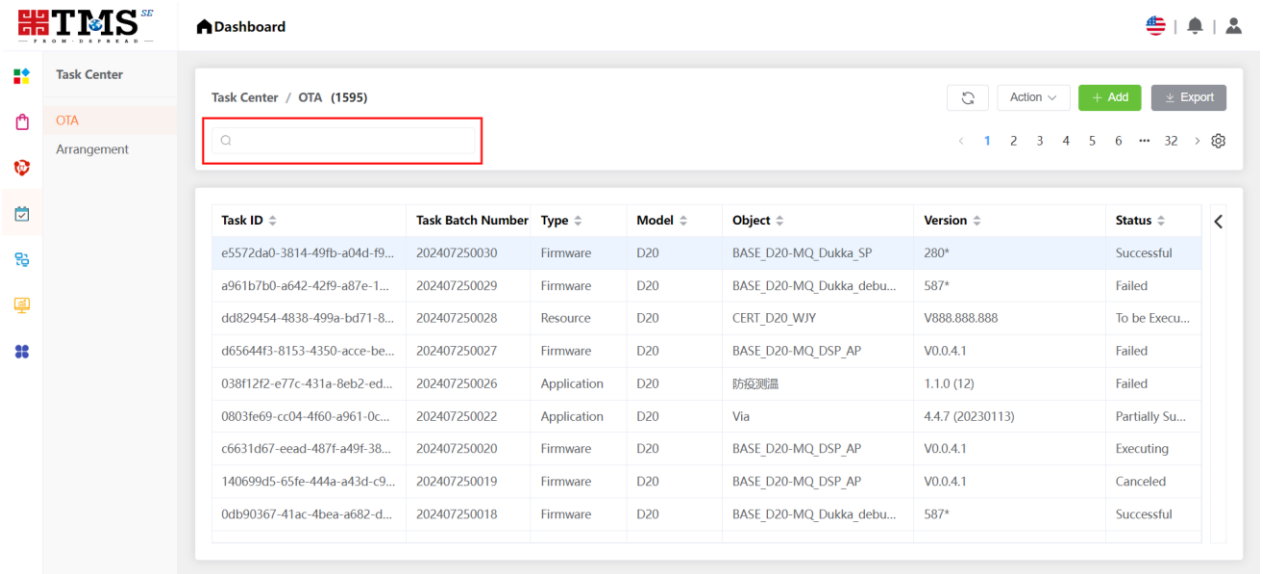
Buttons: Action, Add, Export

Page: 1 5 6 ... 32

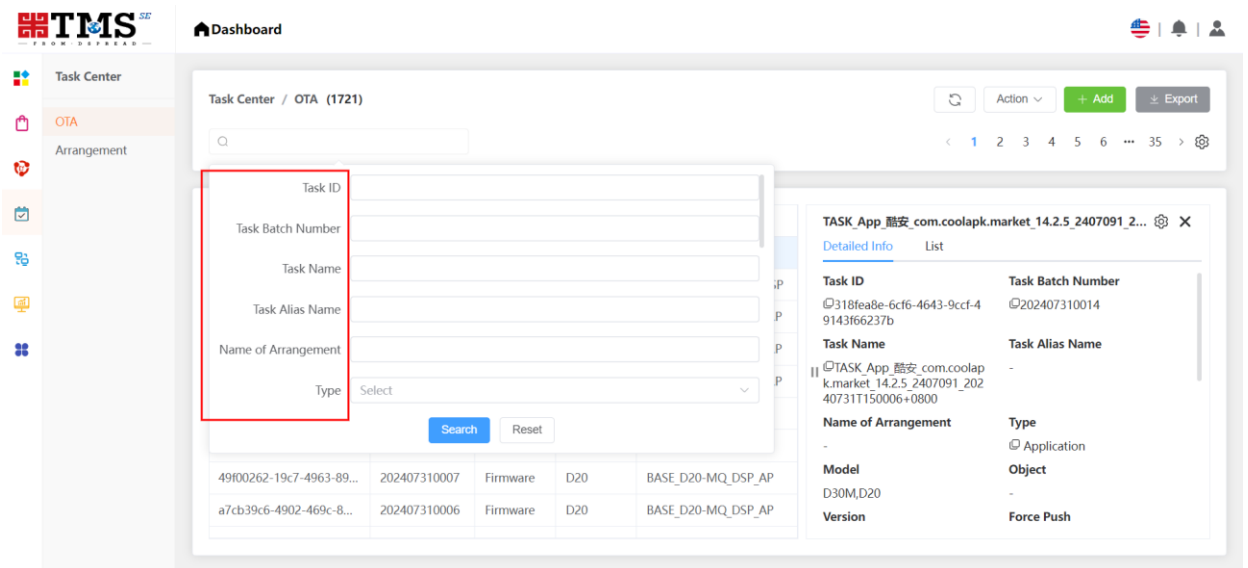
Task ID	Task Batch Number	Type	Model	Object	Version	Status
dd829454-4838-499a-bd71-8...	202407250028	Resource	D20	CERT_D20_WJY	V888.888.888	To be Execu...
d65644f3-8153-4350-acce-be...	202407250027	Firmware	D20	BASE_D20-MQ_DSP_AP	V0.0.4.1	Executing
038f12f2-e77c-431a-8eb2-ed...	202407250026	Application	D20	防投测器	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
cab07103-9ea5-4723-939d-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



1. Find the search box in the upper left corner of the push task page and click it
2. 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.



Search

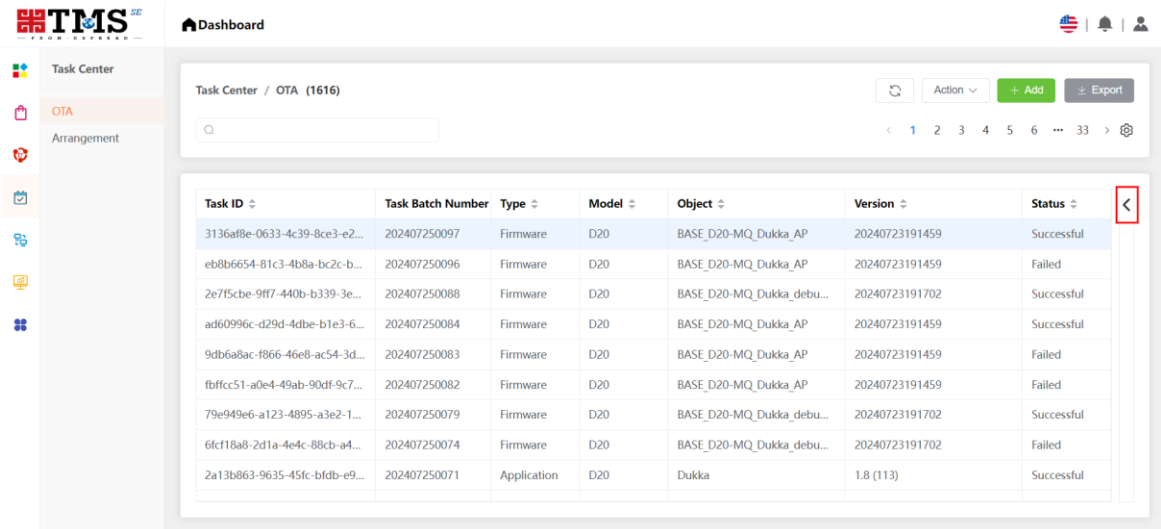
3. Click "Search" to complete the search

## 6.1.6 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.

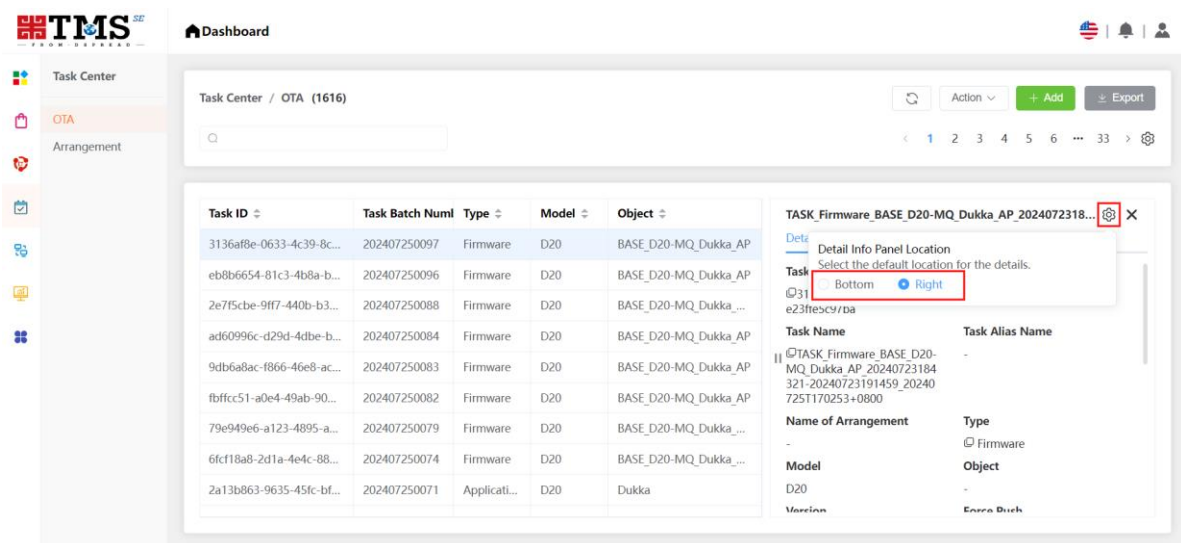


Task Center / OTA (1616)

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
ebb6654-81c3-4b8a-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
fbffcc51-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.



Task Center / OTA (1616)

Task ID	Task Batch Numl	Type	Model	Object
3136af8e-0633-4c39-8c...	202407250097	Firmware	D20	BASE_D20-MQ_Dukka_AP
ebb6654-81c3-4b8a-b...	202407250096	Firmware	D20	BASE_D20-MQ_Dukka_AP
2e7f5cbe-9ff7-440b-b3...	202407250088	Firmware	D20	BASE_D20-MQ_Dukka_...
ad60996c-d29d-4dbe-b...	202407250084	Firmware	D20	BASE_D20-MQ_Dukka_AP
9db6a8ac-f866-46e8-ac...	202407250083	Firmware	D20	BASE_D20-MQ_Dukka_AP
fbffcc51-a0e4-49ab-90...	202407250082	Firmware	D20	BASE_D20-MQ_Dukka_AP
79e949e6-a123-4895-a...	202407250079	Firmware	D20	BASE_D20-MQ_Dukka_...
6fcf18a8-2d1a-4e4c-88...	202407250074	Firmware	D20	BASE_D20-MQ_Dukka_...
2a13b863-9635-45fc-bf...	202407250071	Applicati...	D20	Dukka

**TASK Firmware\_BASE D20-MQ\_Dukka\_AP\_2024072318...**

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

Task: ☐ Bottom ☒ Right

**Task Name**  
TASK Firmware\_BASE D20-MQ\_Dukka\_AP\_20240723184  
321-20240723191459\_202407251170253+0800

**Task Alias Name**  
-

**Name of Arrangement**  
-


**Type**  
Firmware

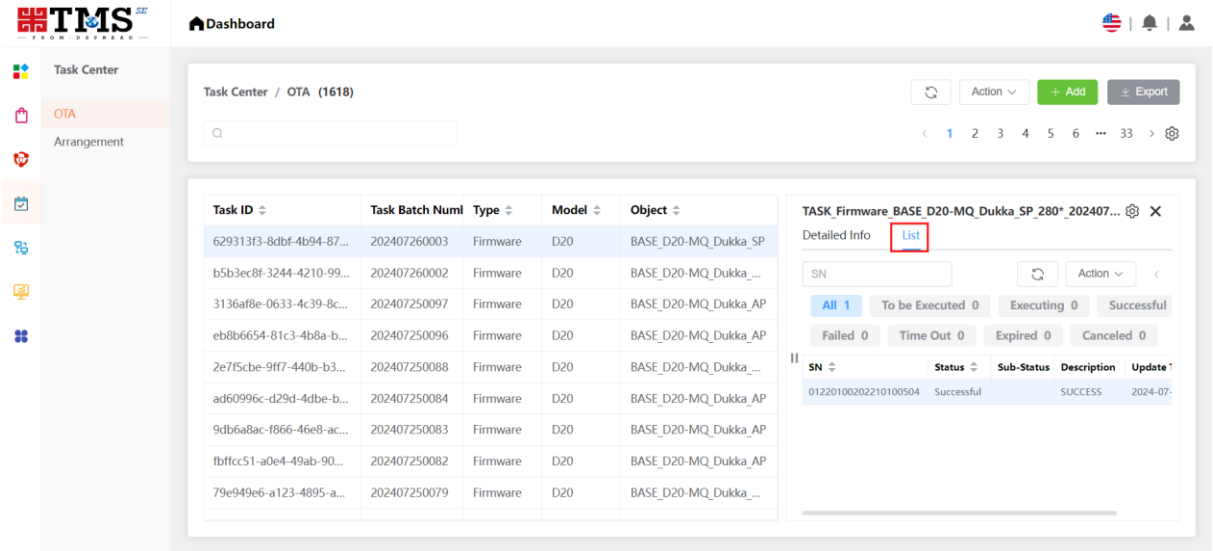
**Model**  
D20

**Object**  
-

**Version**  
Encre Dukk

## 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.



Task Center / OTA (1618)

Task ID	Task Batch Numl	Type	Model	Object
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
eb8b6654-81c3-4b8a-b...	202407250096	Firmware	D20	BASE_D20-MQ_Dukka_AP
2e7f5cbe-9ff7-440b-b3...	202407250088	Firmware	D20	BASE_D20-MQ_Dukka_...
ad60996c-d29d-4dbe-b...	202407250084	Firmware	D20	BASE_D20-MQ_Dukka_AP
9db6a8ac-f866-46e8-ac...	202407250083	Firmware	D20	BASE_D20-MQ_Dukka_AP
fbffcc51-a0e4-49ab-90...	202407250082	Firmware	D20	BASE_D20-MQ_Dukka_AP
79e949e6-a123-4895-a...	202407250079	Firmware	D20	BASE_D20-MQ_Dukka_...

TASK Firmware\_BASE D20-MQ\_Dukka\_SP\_280\*\_202407...

Detailed Info **List**

SN: [Input Field] Action: [Dropdown]

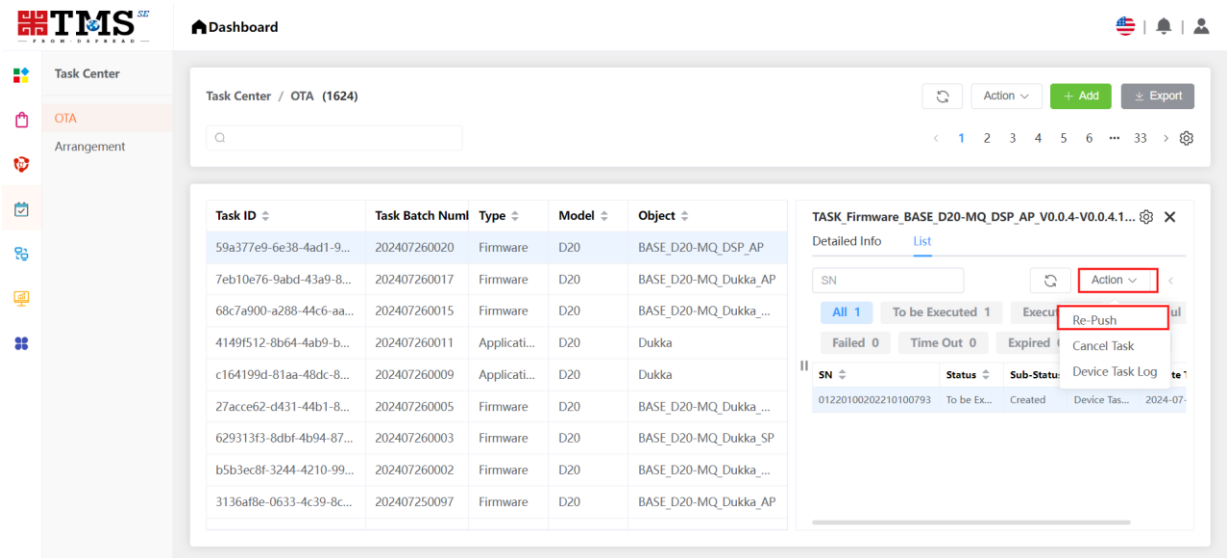
All 1 To be Executed 0 Executing 0 Successful

Failed 0 Time Out 0 Expired 0 Canceled 0

SN	Status	Sub-Status	Description	Update
01220100202210100504	Successful		SUCCESS	2024-07-

### 6.1.7.1 Repush

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



Task Center / OTA (1624)

Task ID	Task Batch Numl	Type	Model	Object
59a377e9-6e38-4ad1-9...	202407260020	Firmware	D20	BASE_D20-MQ_DSP_AP
7eb10e76-9ab0-43a9-8...	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

TASK Firmware\_BASE D20-MQ\_DSP\_AP\_V0.0.4-V0.0.4.1...

Detailed Info **List**

SN: [Input Field] Action: [Dropdown]

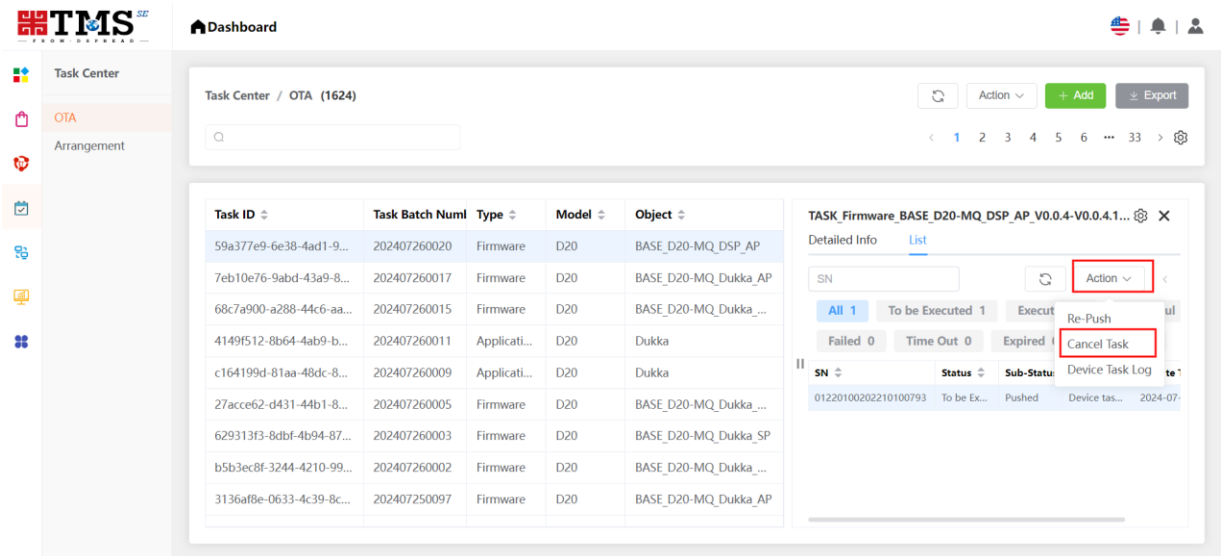
All 1 To be Executed 1 Executing 0 Successful

Failed 0 Time Out 0 Expired 0 Canceled Task

SN	Status	Sub-Status	Description	Update
01220100202210100793	To be Ex...	Created	Device Tas...	2024-07-

### 6.1.7.2 Cancel the task

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

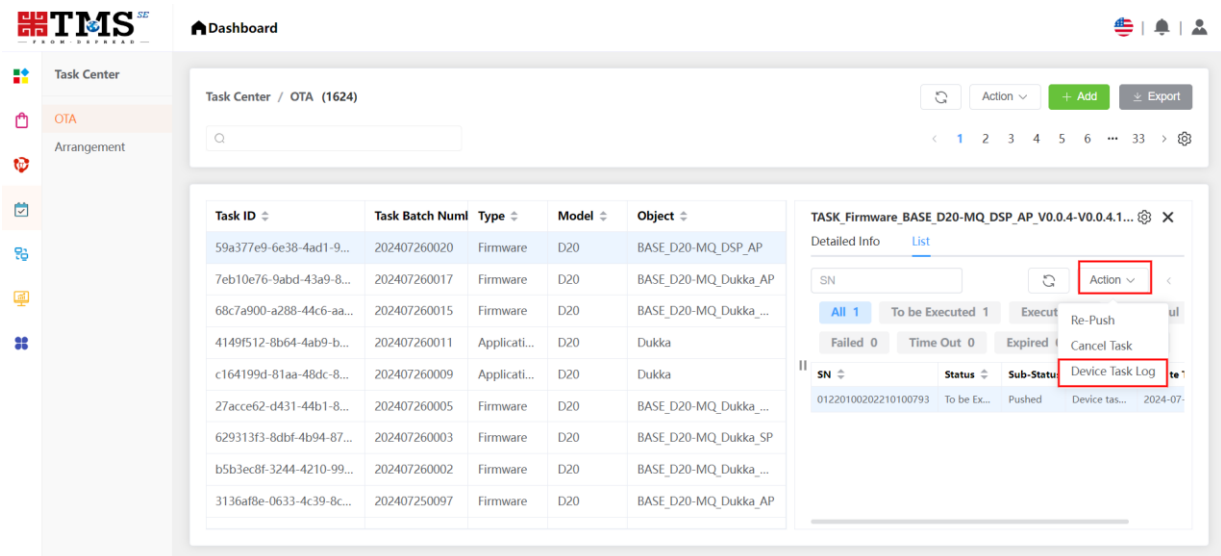


The screenshot shows the LarkTMS interface. On the left is a sidebar with navigation icons. The main area is titled 'Task Center / OTA (1624)'. It contains a table of tasks with columns: Task ID, Task Batch Numl, Type, Model, and Object. To the right of the table is a detailed view for a specific task, 'TASK\_Firmware\_BASE\_D20-MQ\_DSP\_AP\_V0.0.4-V0.0.4.1...'. This view includes a search bar, a status summary (All 1, To be Executed 1, Executed 0, Failed 0, Time Out 0, Expired 0), and a dropdown menu for 'Action'. The dropdown menu is open, showing options: Re-Push, Cancel Task, and Device Task Log. The 'Device Task Log' option is highlighted with a red box.

Task ID	Task Batch Numl	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

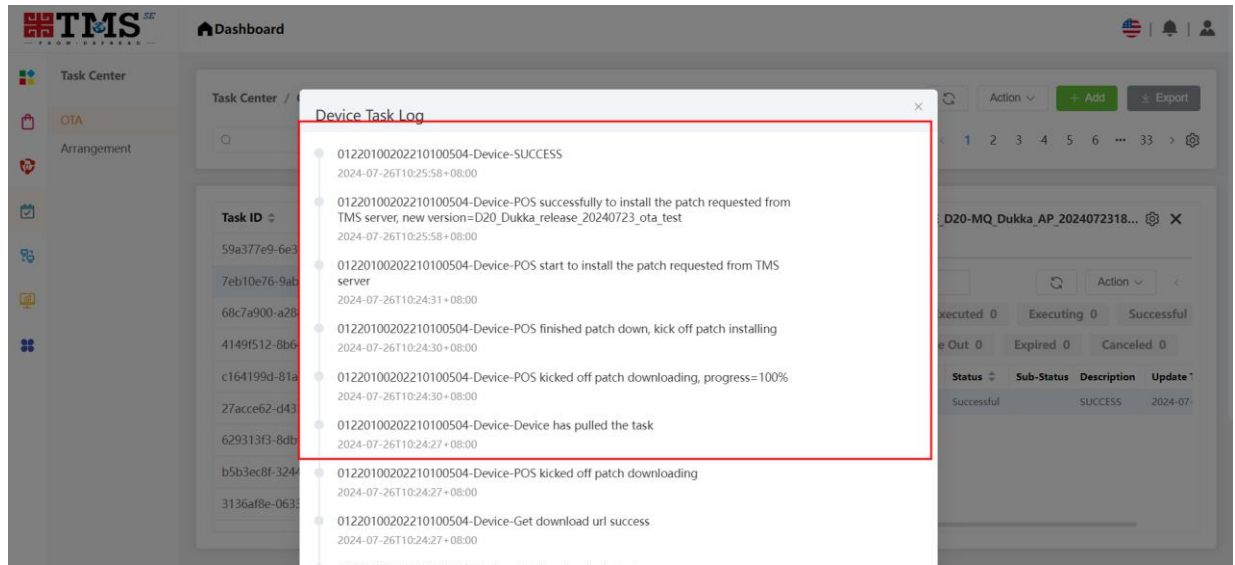
### 6.1.7.3 Device task logs

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.



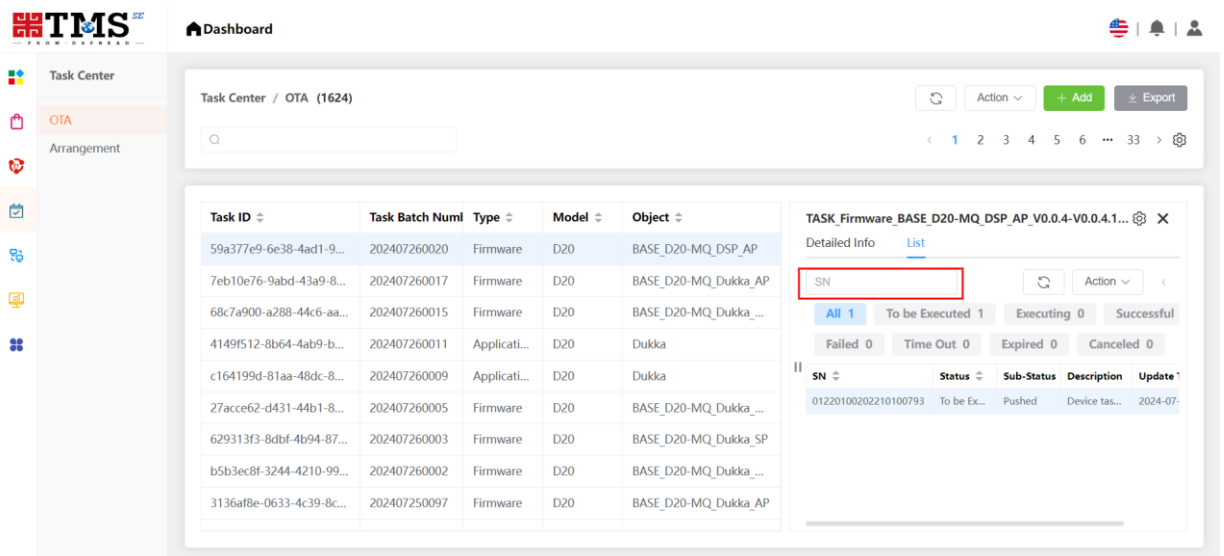
This screenshot is identical to the one above, showing the LarkTMS interface with the 'Task Center / OTA (1624)' view. The table of tasks and the detailed view of a specific task are the same. The 'Action' dropdown menu is open, and the 'Device Task Log' option is highlighted with a red box.

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.



### 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.



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.

The screenshot shows the LarkTMS Task Center interface. On the left is a sidebar with navigation options: Task Center, OTA, and Arrangement. The main area displays a table of tasks under the heading 'Task Center / OTA (1624)'. The table has columns for Task ID, Task Batch Numl, Type, Model, and Object. A detailed view of a task is shown on the right, titled 'TASK\_Firmware\_BASE\_D20-MQ\_DSP\_AP\_V0.0.4-V0.0.4.1...'. It includes a search bar for SN, a status summary bar with counts for 'All 1', 'To be Executed 1', 'Executing 0', 'Successful', 'Failed 0', 'Time Out 0', 'Expired 0', and 'Canceled 0', and a table of task details with columns for SN, Status, Sub-Status, Description, and Update.

## 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.

This screenshot shows the LarkTMS Task Center interface with the 'Export' button highlighted in a red box. The main area displays a table of tasks under the heading 'Task Center / OTA (1593)'. The table has columns for Task ID, Task Batch Number, Type, Model, Object, Version, and Status. The 'Export' button is located in the upper right corner of the task list area.

## 6.2 Orchestrate tasks

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


**TMS** Dashboard

Task Center / Arrangement (133)

Search:

1 2 3 4 5 6 ... 14 > ⚙

Name of Arrangement	Status	Push Result	Effective Date	Expiry time	Description	Creator
测试编辑取消	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
发士大夫撒旦	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
xq test	Executing	Successful: 1/2	2024-07-22T11:25:04+08:00	2024-08-21T11:23:33+08:00	-	tmscust
LJH-0021-002	Completed	Successful: 0/1	2024-07-19T14:57:03+08:00	2024-08-18T14:56:03+08:00	-	tmscust

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.

**TMS** Dashboard

Task Center / Arrangement (133)

Search:

1 2 3 4 5 6 ... 14 > ⚙

Number of ☒ 10 ☐ 25 ☐ 50

Items:

List: ☒ Name of Arrangement

Header: ☒ Status ☒ Push Result ☒ Effective Date ☒ Expiry time ☒ Description ☒ Creator ☐ Create Time


Name of Arrangement	Status	Push Result	Effective Date	Expiry time	Description	Creator
测试编辑取消	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
发士大夫撒旦	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
xq test	Executing	Successful: 1/2	2024-07-22T11:25:04+08:00	2024-08-21T11:23:33+08:00	-	tmscust
LJH-0021-002	Completed	Successful: 0/1	2024-07-19T14:57:03+08:00	2024-08-18T14:56:03+08:00	-	tmscust

## 6.2.1 New Orchestration Task (Single)

The screenshot shows the 'Add' dialog box in the LarkTMS interface. The dialog contains the following fields and options:


- Name of Arrangement:** A text input field with a character count of 0/20.
- Effective Date:** Two radio button options: **Effective immediately** (selected) and **Scheduled Effective Time**.
- Expiry time:** A date and time picker showing 2024-08-24 11:40:46.
- Description:** A large text area with a character count of 0/280.
- Buttons:** 'Cancel' and 'Next' buttons at the bottom right.

The background shows a table of tasks with columns for task name, status, success rate, and timestamps.

1. 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.

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

The screenshot shows the 'Add' dialog box in the LarkTMS interface, specifically the 'Single Device' step. The dialog contains the following fields and options:

- Push Method:** Two radio button options: **Excel** and **Single Device** (selected).
- SN:** A text input field with a character count of 0/20.
- Buttons:** 'Back' and 'Next' buttons at the bottom right.

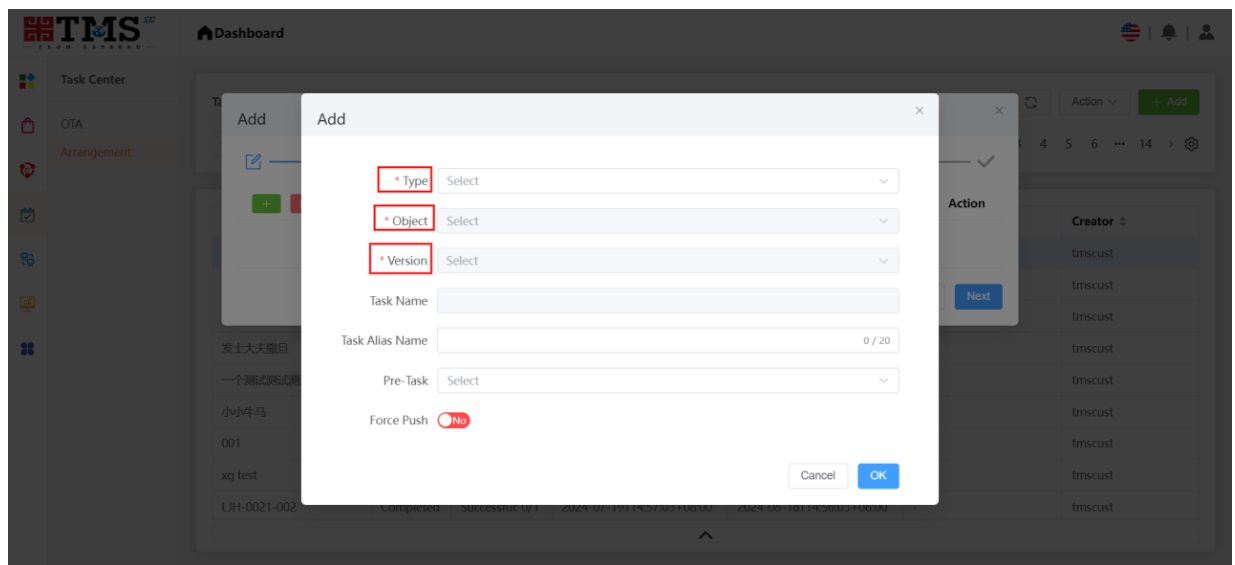
The background shows a table of tasks with columns for task name, status, success rate, and timestamps.

4. Click the button in the upper left corner of the new pop-up window , and the window of

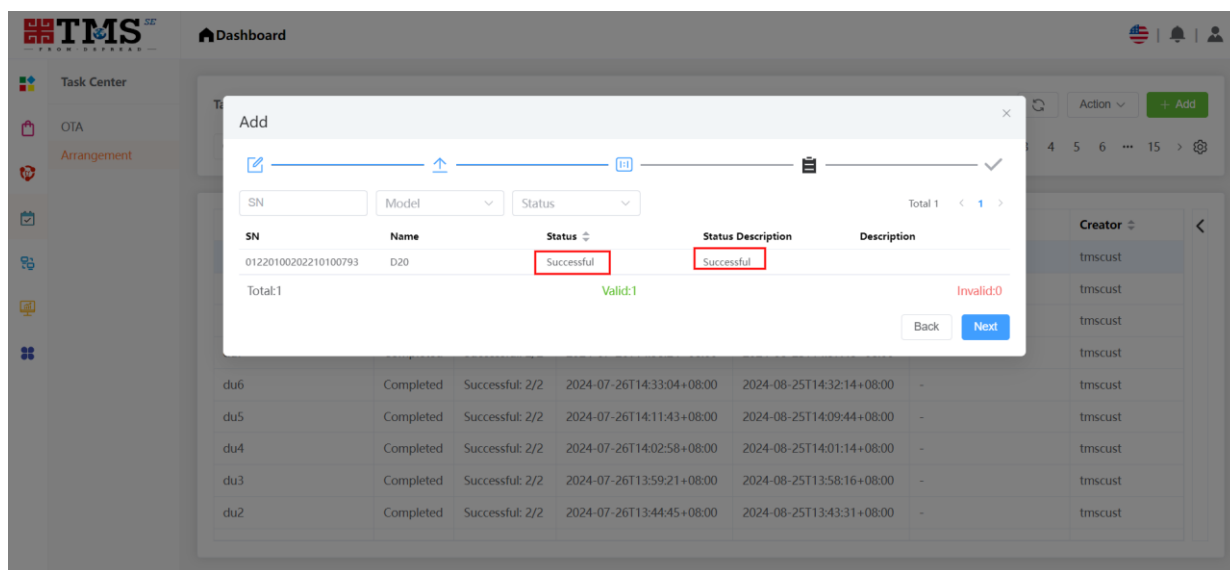
the new task will pop up, and in the window of the new task, you need to fill in the following relevant information:

- 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).

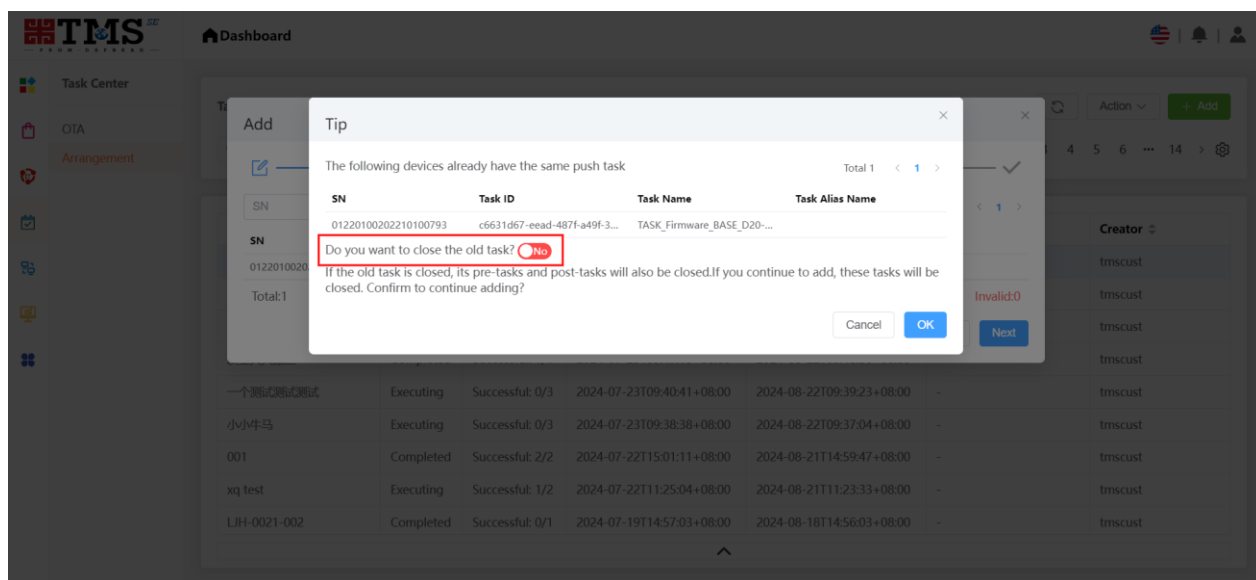
**Note:** Fields with \* are required.



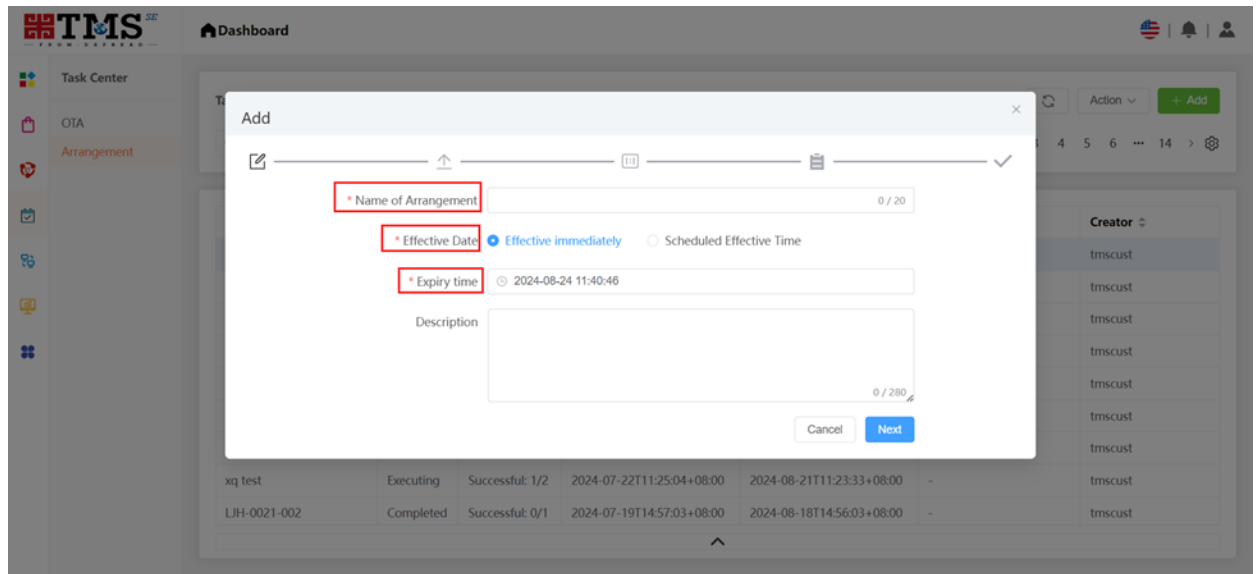
5. Only a maximum of 5 tasks can be orchestrated, and after the orchestration is completed, click "Next" to verify whether the device number is entered correctly and whether the orchestration task is reasonable.





- 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.



## 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).

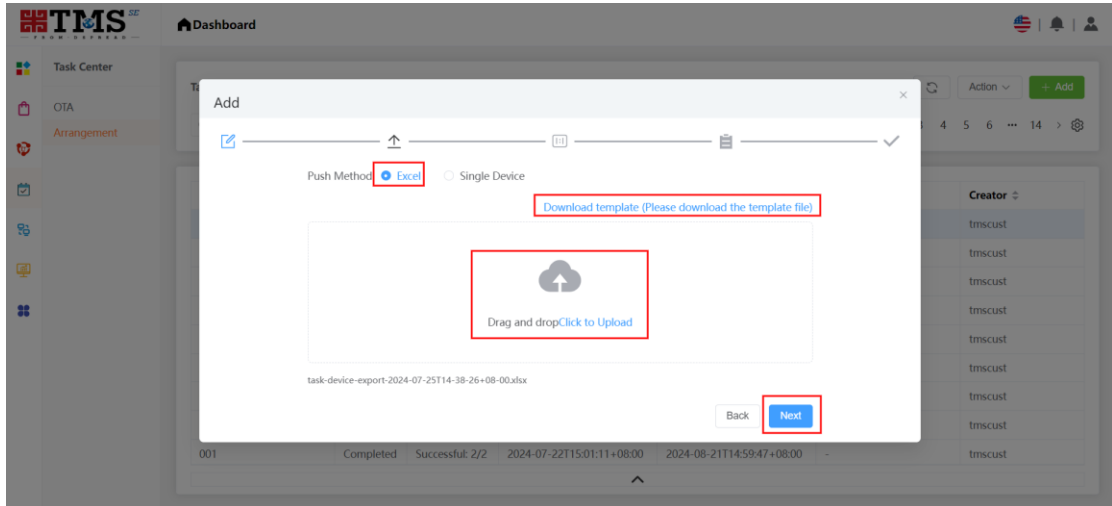
**Note:** Fields with \* are required.
- After filling in all the information in the above fields, click "Next" to enter the next step.
- In the new window  Excel , select and click the "Template (please download the template file and use it)" button to download the template, the template is shown in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

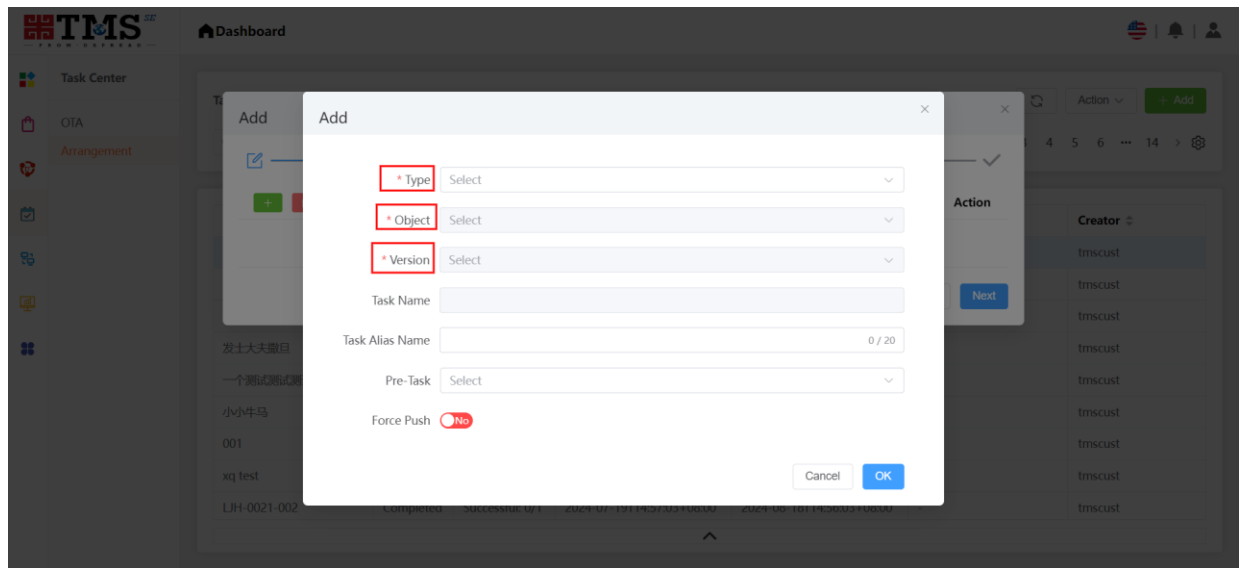


- Go back to the TMS system, click on "Drag Files Here Click Upload", Drag Files Here [Click Upload](#) upload the completed form in step 4, and click Next.

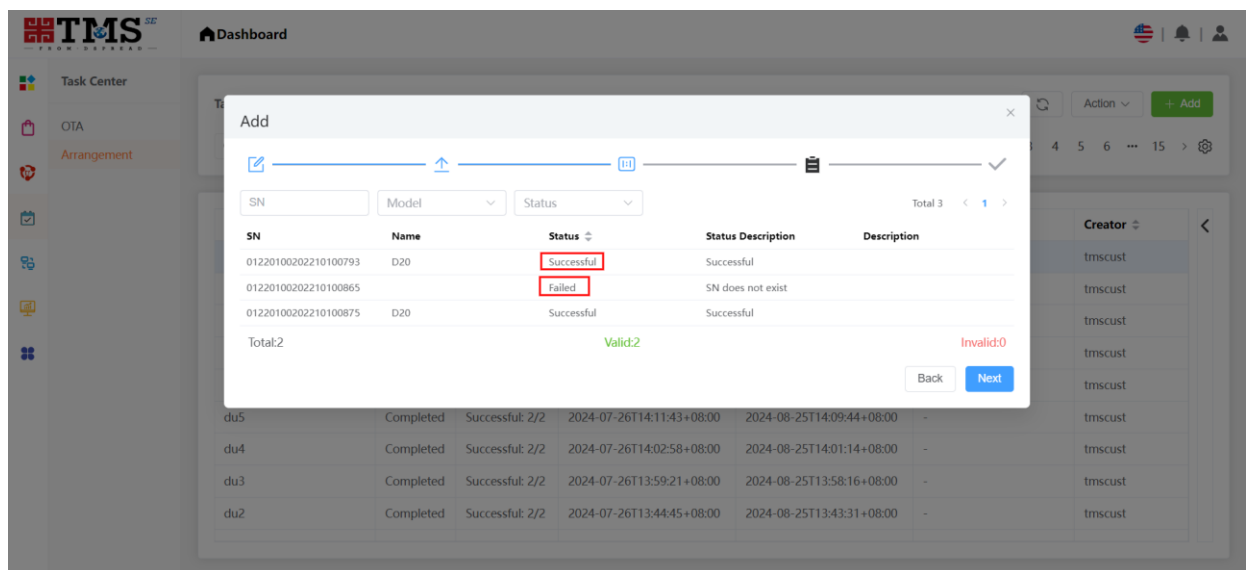


- Click the button in the upper left corner of the new pop-up window , and the window of the new task will pop up, and in the window of the new task, you need to fill in the following relevant information:
  - Select the \*task type (**firmware, resource, application**).
  - Select the \*Task object
  - 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**).

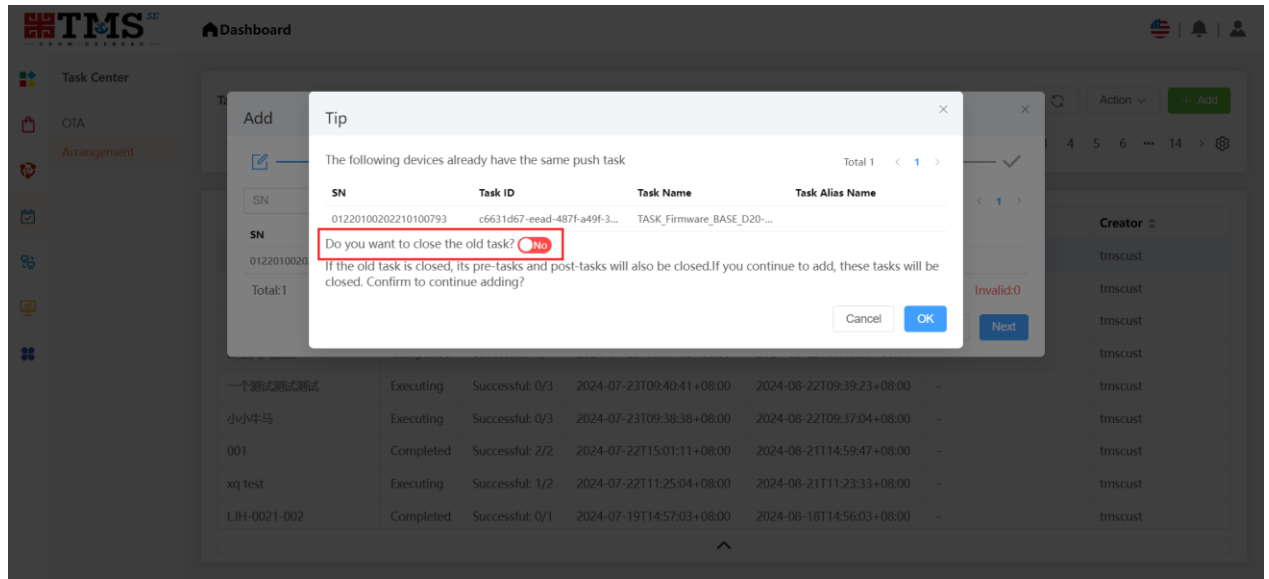
**Note:** Fields with \* are required.



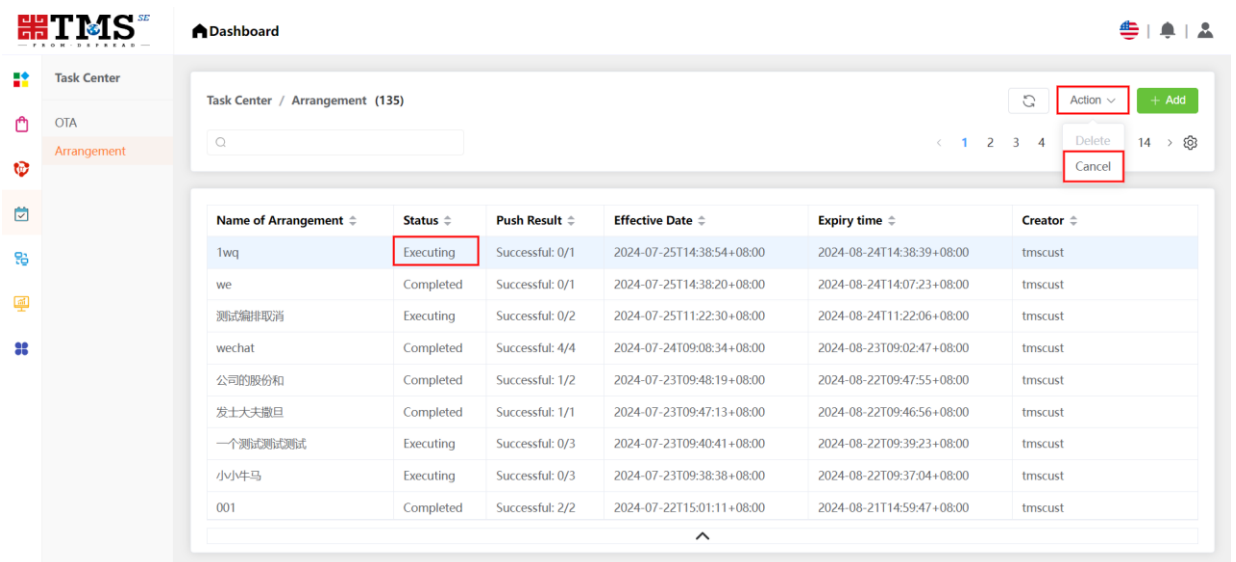
- Only a maximum of 5 tasks can be orchestrated, and after the orchestration is completed, click "Next" to verify whether the device number is entered correctly and whether the orchestration task is reasonable.



- 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.

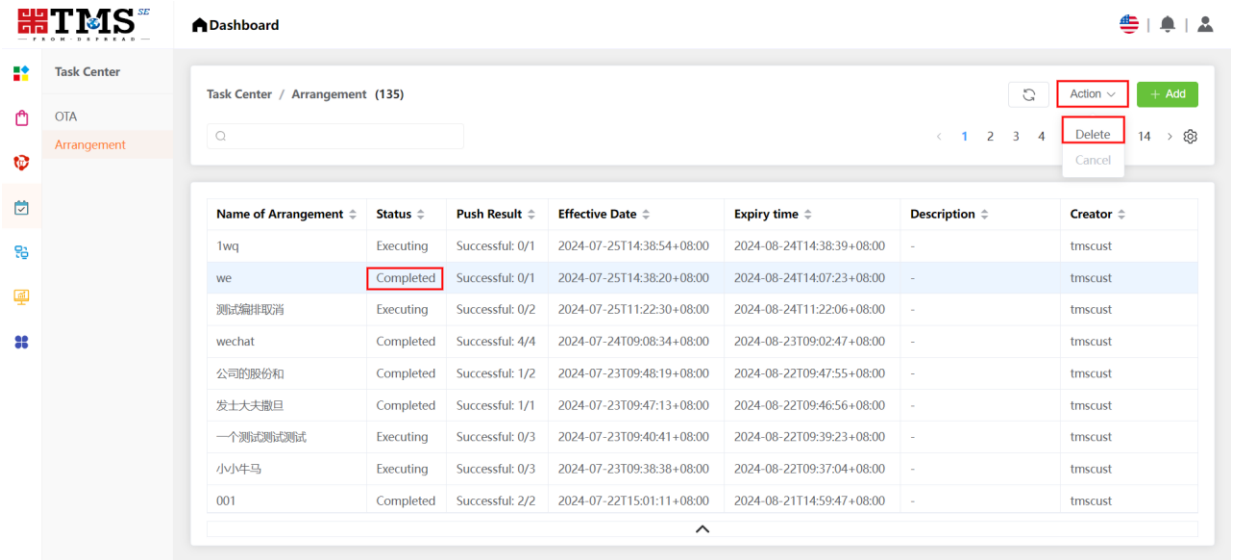


## 6.2.3 Cancel the orchestration task



1. **Note:** The prerequisite for canceling an orchestration task is that the orchestration task is in the Running or Pending state.
2. 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.
3. Click Confirm in the pop-up window to cancel the task.

## 6.2.4 Delete the orchestration task

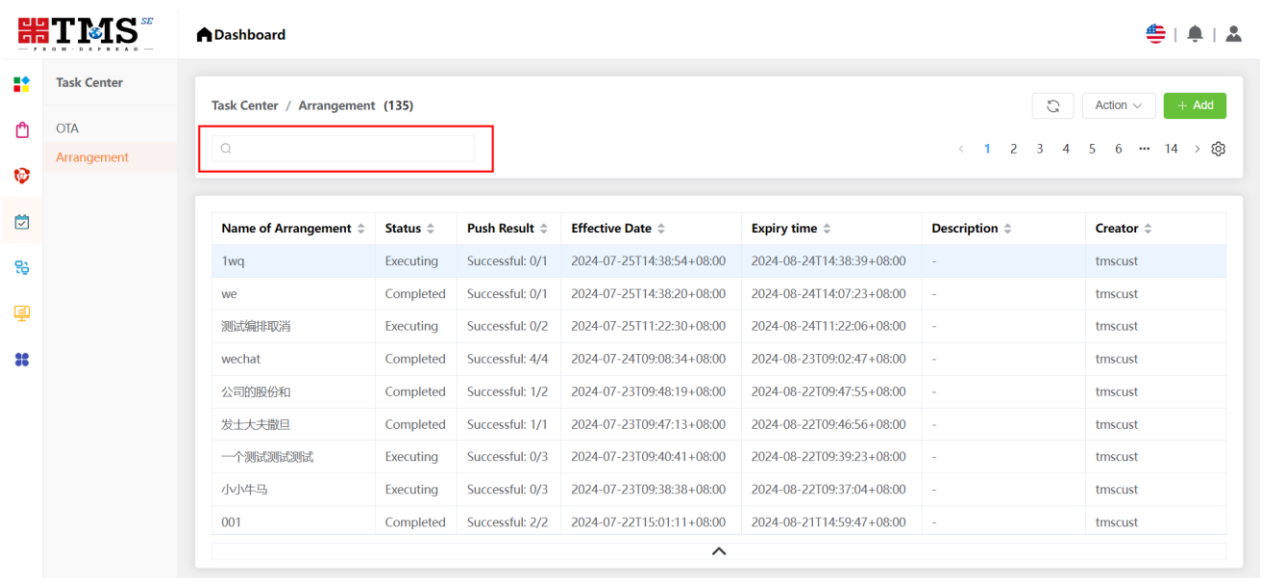


Task Center / Arrangement (135)

Name of Arrangement	Status	Push Result	Effective Date	Expiry time	Description	Creator
1wq	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
发士大夫撒旦	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.

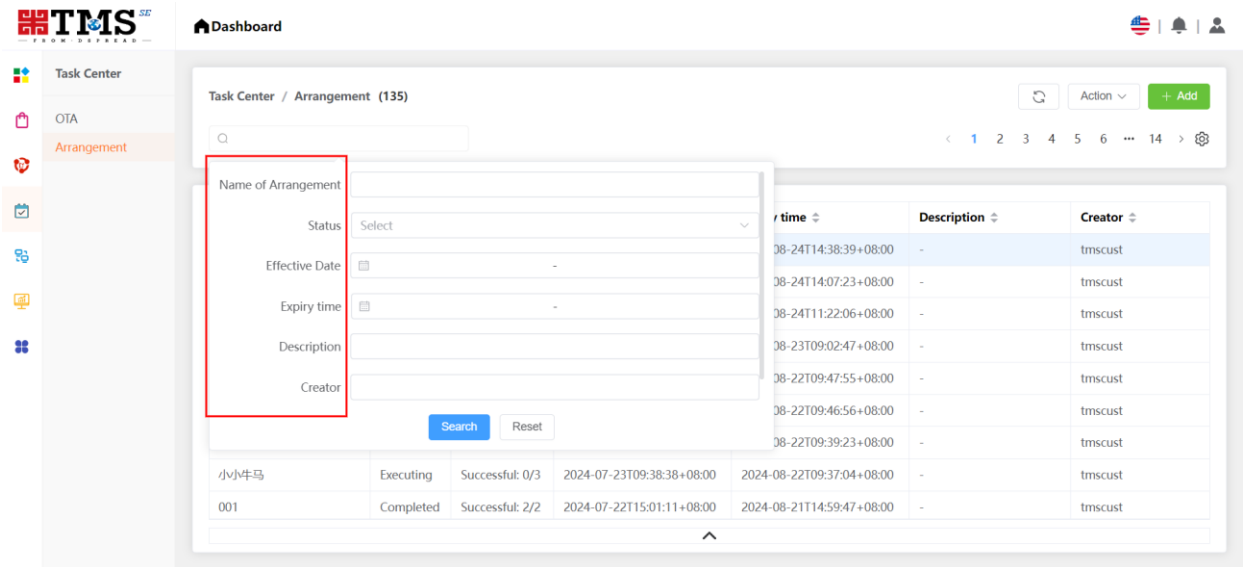
## 6.2.5 Query orchestration tasks



Task Center / Arrangement (135)

Name of Arrangement	Status	Push Result	Effective Date	Expiry time	Description	Creator
1wq	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
发士大夫撒旦	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.

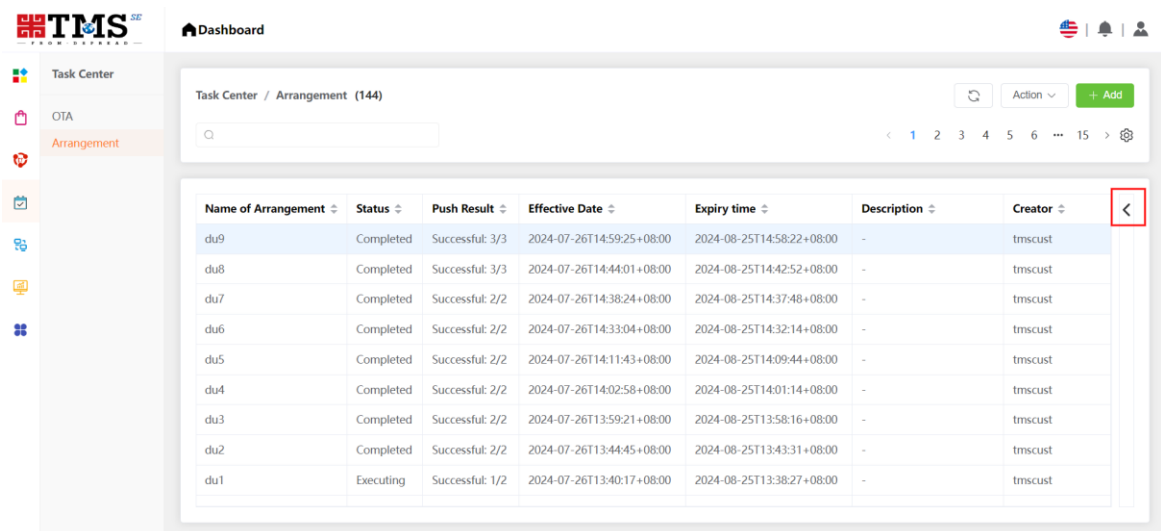



Search

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.



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.

**TMS** Dashboard

Task Center / Arrangement (144)

Search:

1 2 3 4 5 6 ... 15 >


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

Details - du9

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

Bottom ☒ Right

No.	Task ID	Task Batch Number	Type
1	ba9d4bcd-0296-4a24-8...	202407260066	Firmwa
3	3c99526f-9d15-4cd9-a0...	202407260067	Applica

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.

**TMS** Dashboard

Task Center / Arrangement (144)

Search:

1 2 3 4 5 6 ... 15 >

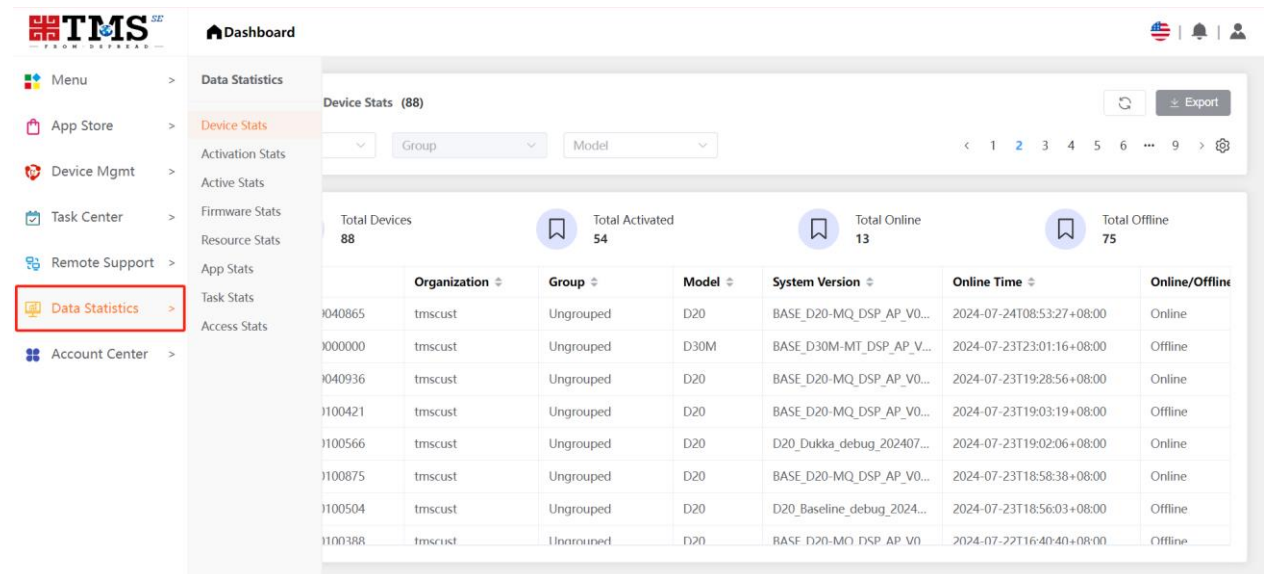
Name of Arrangement	Status	Push Result	Effective Date	Expiry time
du9	Completed	Successful: 3/3	2024-07-26T14:59:25+08:00	2024-08-2
du8	Completed	Successful: 3/3	2024-07-26T14:44:01+08:00	2024-08-2
du7	Completed	Successful: 2/2	2024-07-26T14:38:24+08:00	2024-08-2
du6	Completed	Successful: 2/2	2024-07-26T14:33:04+08:00	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

Details - du9

List Header:

- ☒ Number
- ☒ Task ID
- ☒ Task Batch Number
- ☐ Task Name
- ☐ Task Alias Name
- ☐ Name of Arrangement
- ☒ Type
- ☒ Model

## 7. Data Centers



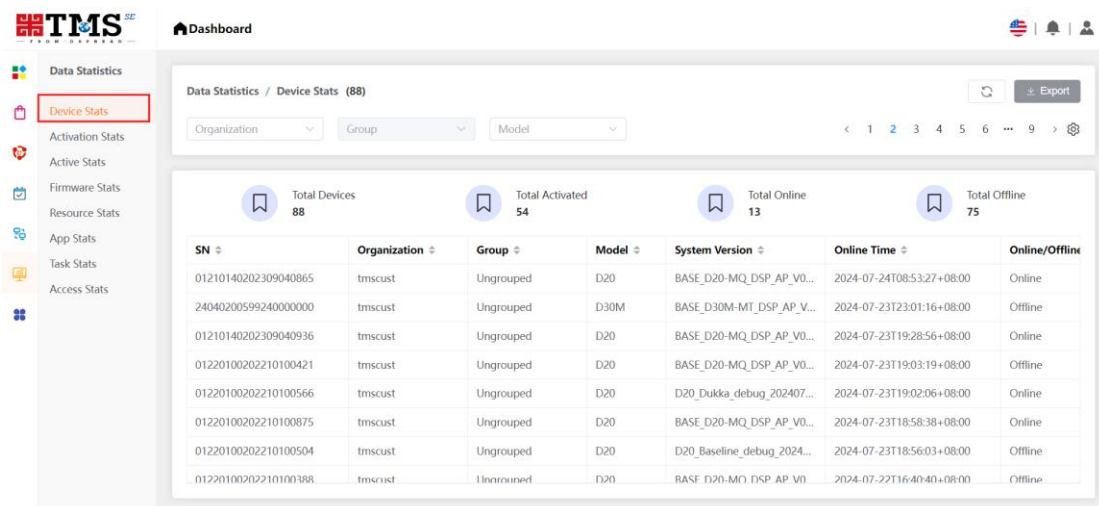
The screenshot shows the LarkTMS Dashboard. On the left, the 'Data Statistics' menu item is highlighted. The main content area displays 'Device Stats (88)'. Below the title bar, there are filters for Organization, Group, and Model. Summary statistics are shown: Total Devices: 88, Total Activated: 54, Total Online: 13, and Total Offline: 75. A table lists device details with columns: SN, Organization, Group, Model, System Version, Online Time, and Online/Offline status.

SN	Organization	Group	Model	System Version	Online Time	Online/Offline
0040865	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-24T08:53:27+08:00	Online
0000000	tmscust	Ungrouped	D30M	BASE_D30M-MT_DSP_AP_V...	2024-07-23T23:01:16+08:00	Offline
0040936	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-23T19:28:56+08:00	Online
0100421	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-23T19:03:19+08:00	Offline
0100566	tmscust	Ungrouped	D20	D20_Dukka_debug_202407...	2024-07-23T19:02:06+08:00	Online
0100875	tmscust	Ungrouped	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-23T18:58:38+08:00	Online
0100504	tmscust	Ungrouped	D20	D20_Baseline_debug_2024...	2024-07-23T18:56:03+08:00	Offline
0100388	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.



The screenshot shows the LarkTMS Dashboard. On the left, the 'Device Stats' menu item is highlighted. The main content area displays 'Data Statistics / Device Stats (88)'. Below the title bar, there are filters for Organization, Group, and Model. Summary statistics are shown: Total Devices: 88, Total Activated: 54, Total Online: 13, and Total Offline: 75. A table lists device details with columns: 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...	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.

**TMS** Dashboard

Data Statistics / Device Stats (88)

Organization: [v] Group: [v] Model: [v]

Number of: 10 25 50

Items:

- List: ☒ SN
- Header: ☒ Organization
- ☒ Group
- ☒ Model
- ☒ System Version
- ☒ Online Time
- ☒ Online/Offline
- ☐ Activation 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	BASE_D20-MQ_DSP_AP_V0...	2024-07-22T16:40:40+08:00	Offline

## 7.1.1 Device Data List

**TMS** Dashboard

Data Statistics / Device Stats (88)

Organization: [v] Group: [v] Model: [v]

Number of: 10 25 50

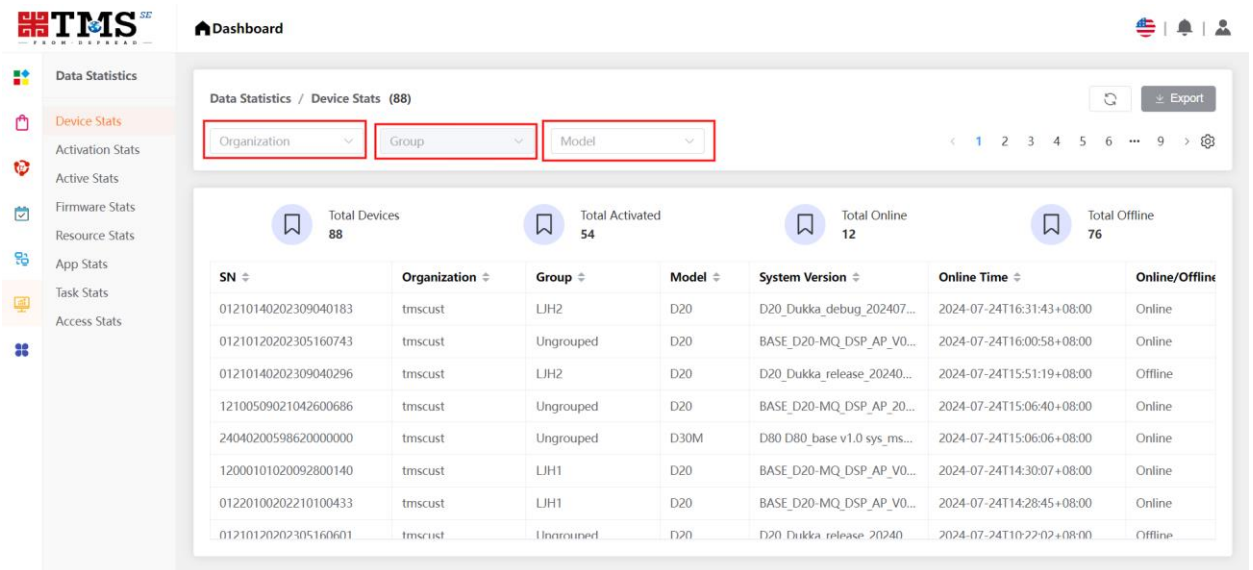
Items:

- List: ☒ SN
- Header: ☒ Organization
- ☒ Group
- ☒ Model
- ☒ System Version
- ☒ Online Time
- ☒ Online/Offline
- ☐ Activation Status

SN	Organization	Group	Model	System Version	Online Time	Online/Offline
01210140202309040183	tmscust	LJH2	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	LJH2	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	LJH1	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-24T14:30:07+08:00	Online
01220100202210100433	tmscust	LJH1	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

1. After entering the device data page, you can view the information of all devices in the current organization.
2. 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.
3. 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 with the 'Device Stats' section selected. At the top, there are three search filters: 'Organization', 'Group', and 'Model'. Below these filters, there are four summary cards: 'Total Devices 88', 'Total Activated 54', 'Total Online 12', and 'Total Offline 76'. The main part of the interface is a table with the following columns: SN, Organization, Group, Model, System Version, Online Time, and Online/Offline. The table contains 10 rows of device data.

SN	Organization	Group	Model	System Version	Online Time	Online/Offline
01210140202309040183	tmscust	LJH2	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	LJH2	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	LJH1	D20	BASE_D20-MQ_DSP_AP_V0...	2024-07-24T14:30:07+08:00	Online
01220100202210100433	tmscust	LJH1	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

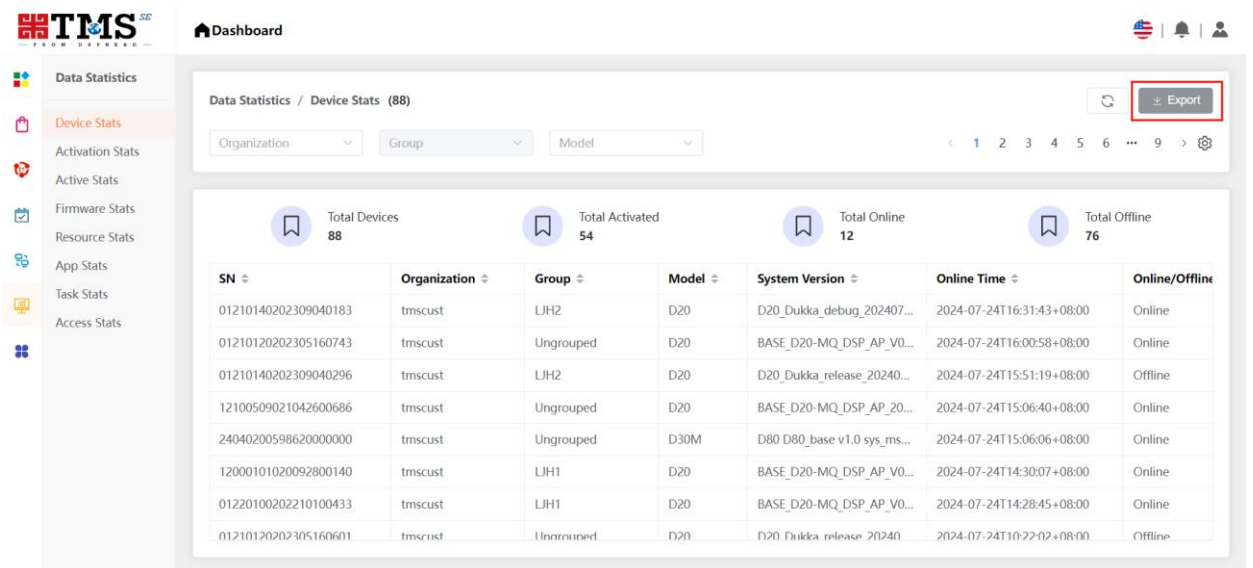
1. At the top of the device data interface, find the organization search box, group search box, and model search box.

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.

## 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.



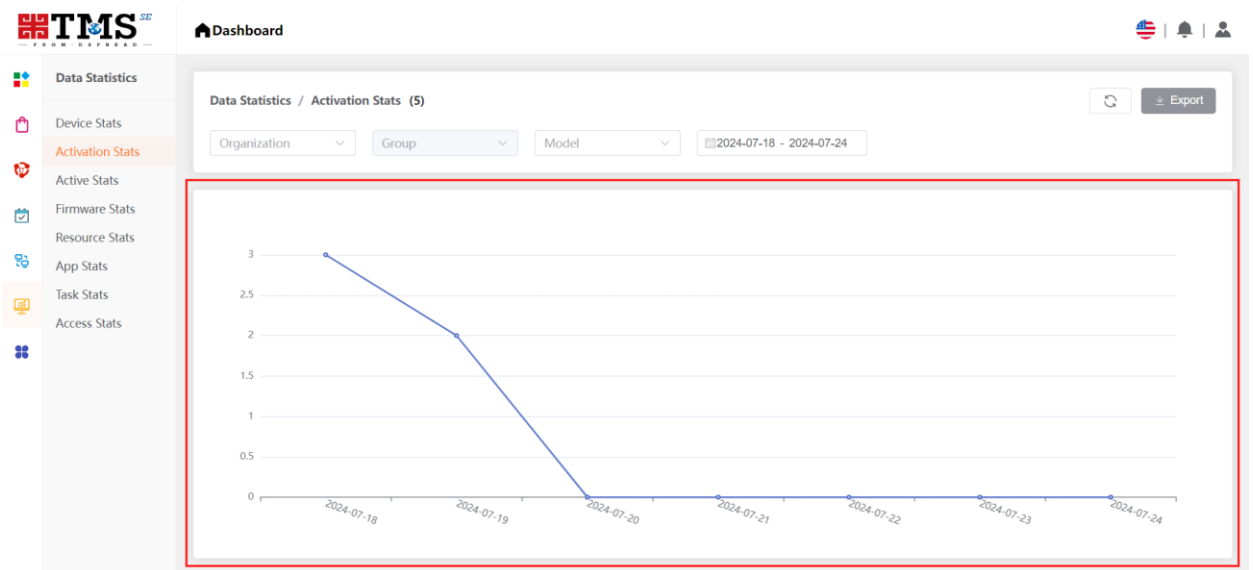
This screenshot is identical to the one above, but with a red box highlighting the 'Export' button in the top right corner of the interface.

## 7.2 Activation Data

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

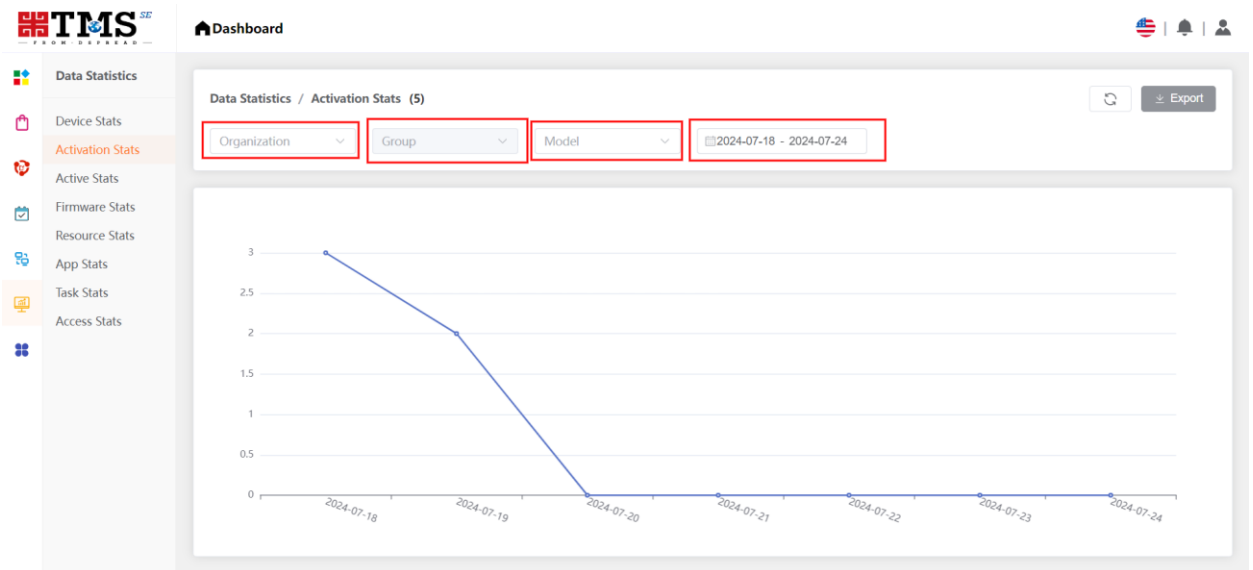


### 7.2.1 Activate the data line chart



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.

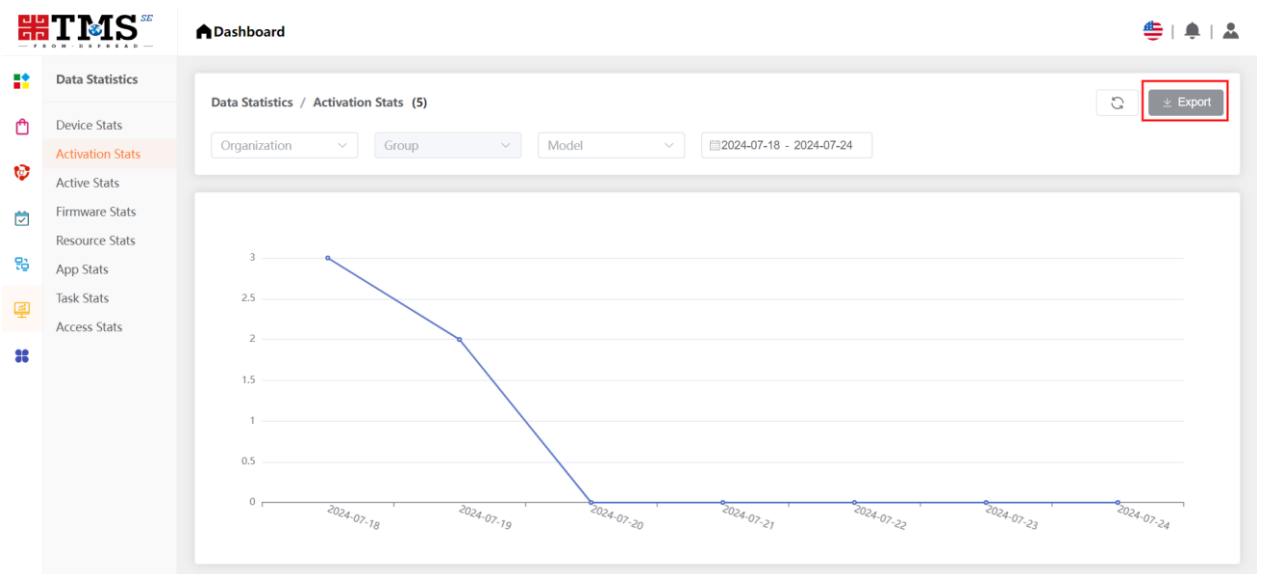
## 7.2.2 Query Data



1. At the top of the activation data interface, find the organization search box, group search box, model search box, and date selection 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 data of activated devices within the date range that you want to query. You can combine queries with other search boxes.

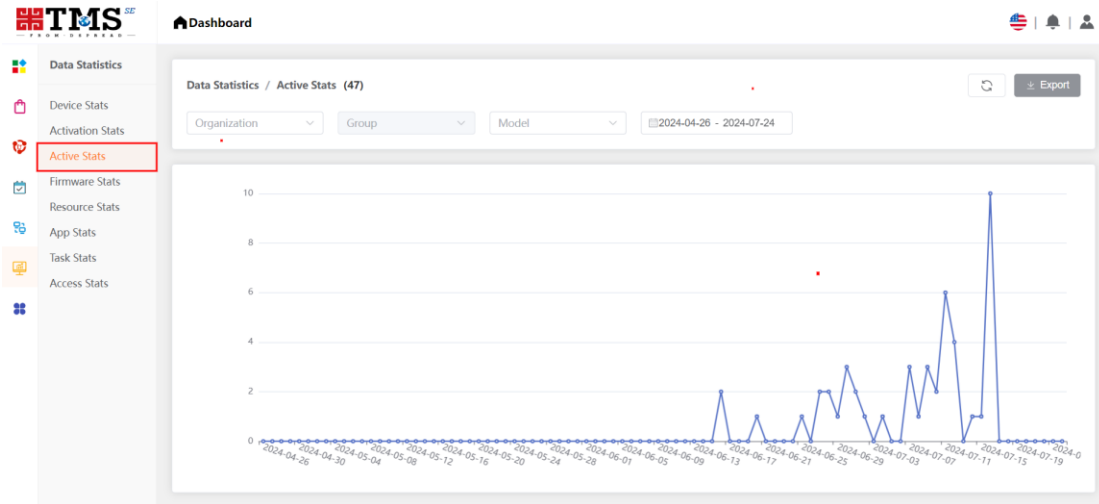
## 7.2.3 Export Activation Data

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.

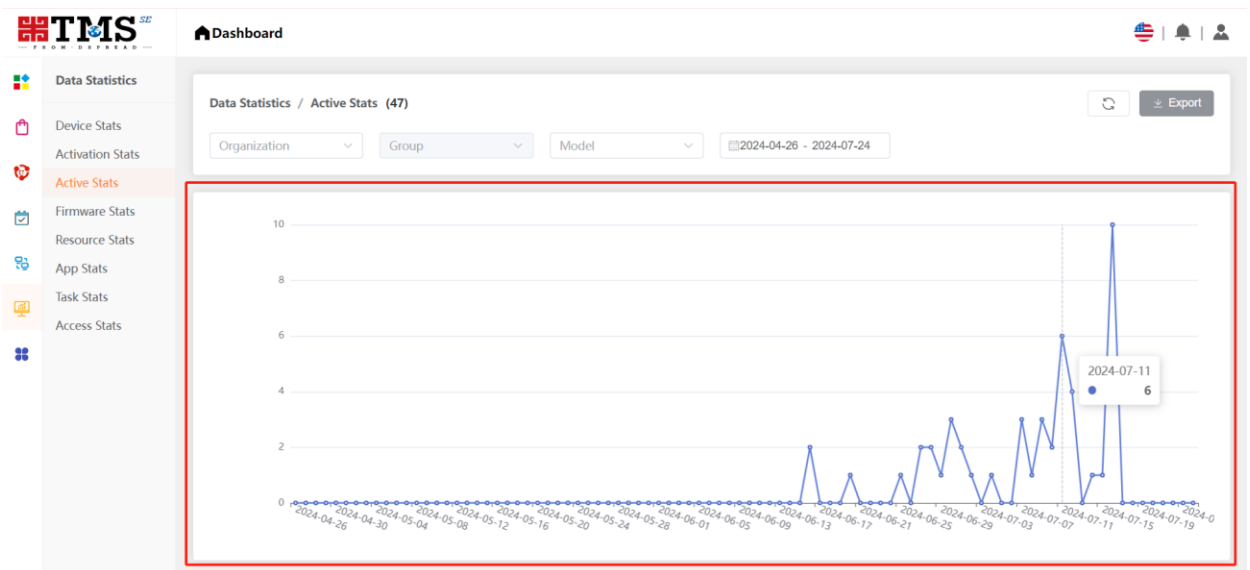


## 7.3 Active Data

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

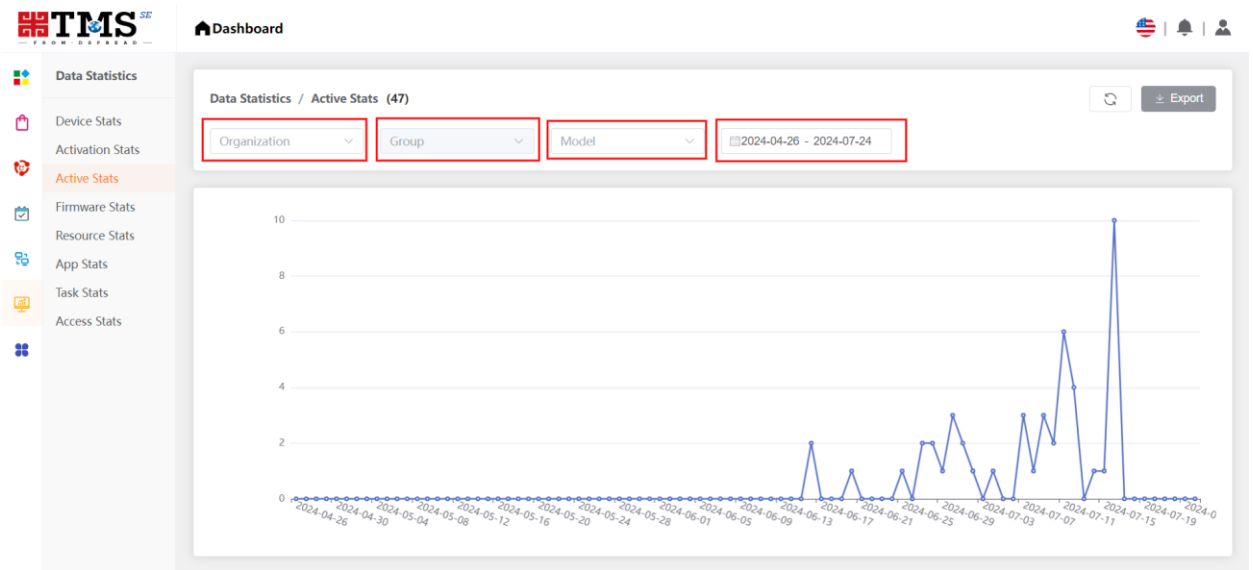


### 7.3.1 Active Data Line Chart



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.

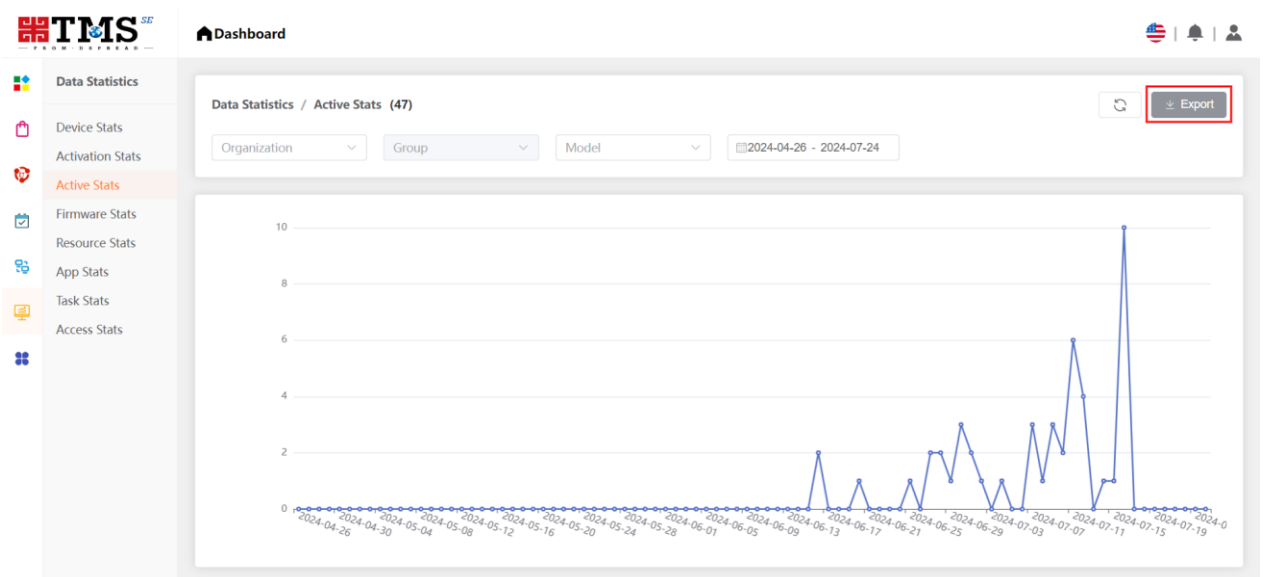
## 7.3.2 Query Data



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.

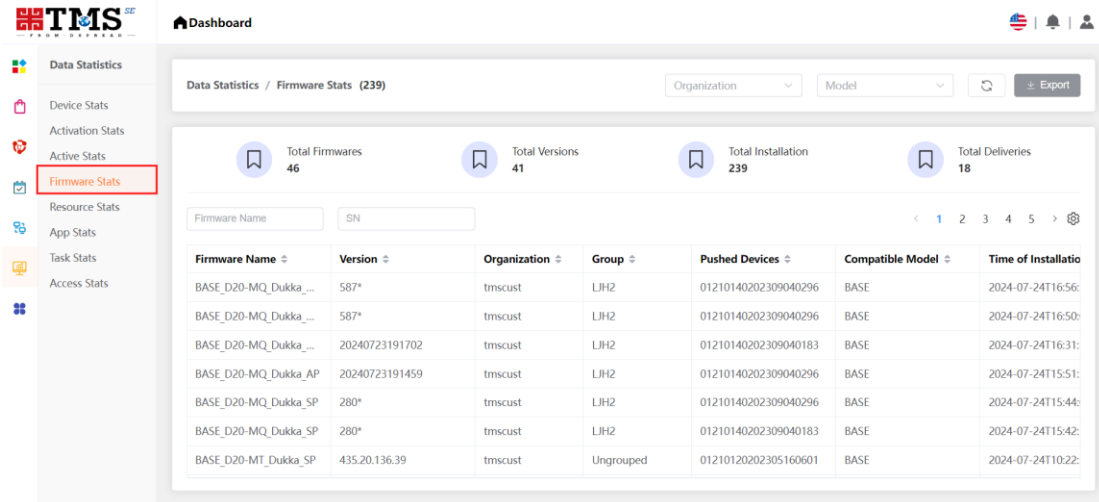
## 7.3.3 Export active data

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.




Data Statistics / Firmware Stats (239)

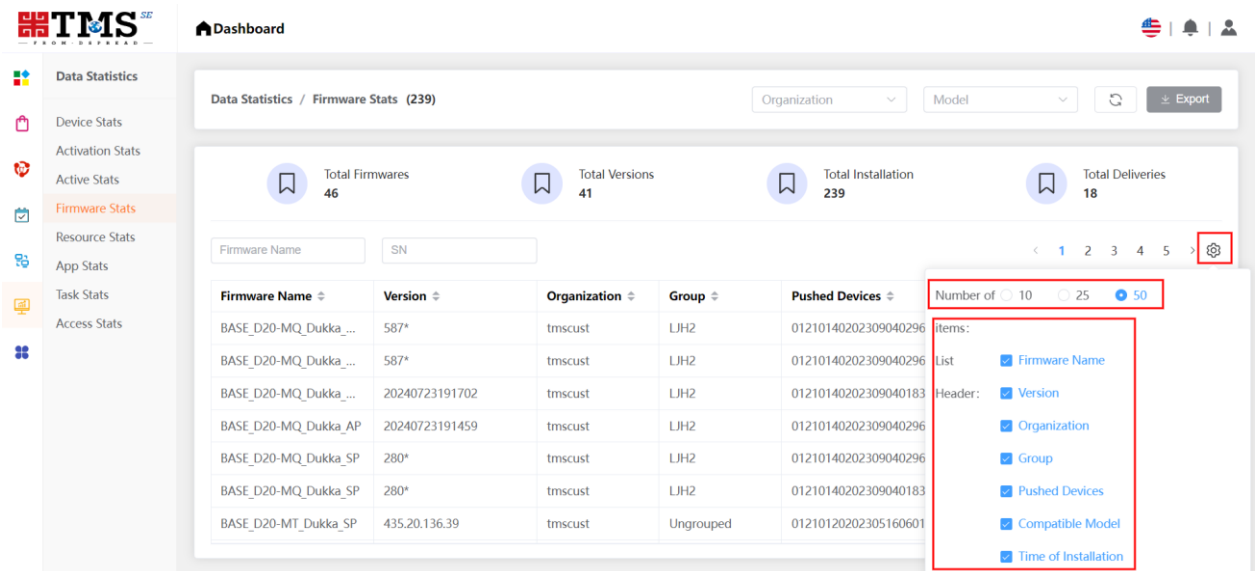
Organization: [v] Model: [v] [Refresh] [Export]

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

Firmware Name: [v] SN: [v]

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



Data Statistics / Firmware Stats (239)

Organization: [v] Model: [v] [Refresh] [Export]

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

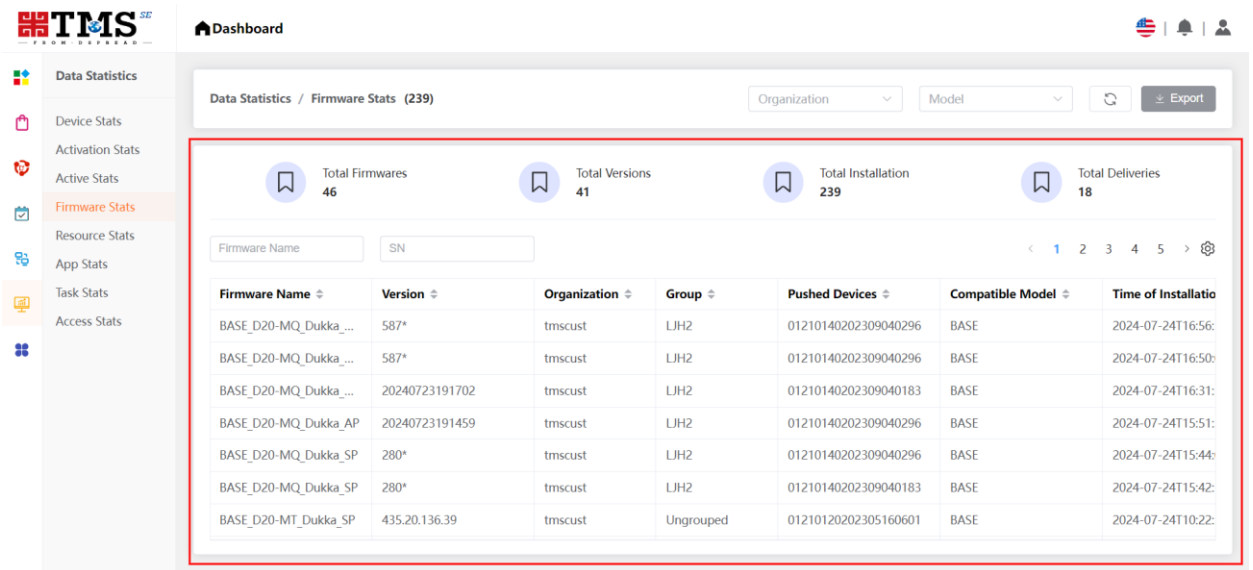
Firmware Name: [v] SN: [v]

Number of: 10 25 50

Items:

- ☒ Firmware Name
- ☒ Version
- ☒ Organization
- ☒ Group
- ☒ Pushed Devices
- ☒ Compatible Model
- ☒ Time of Installation

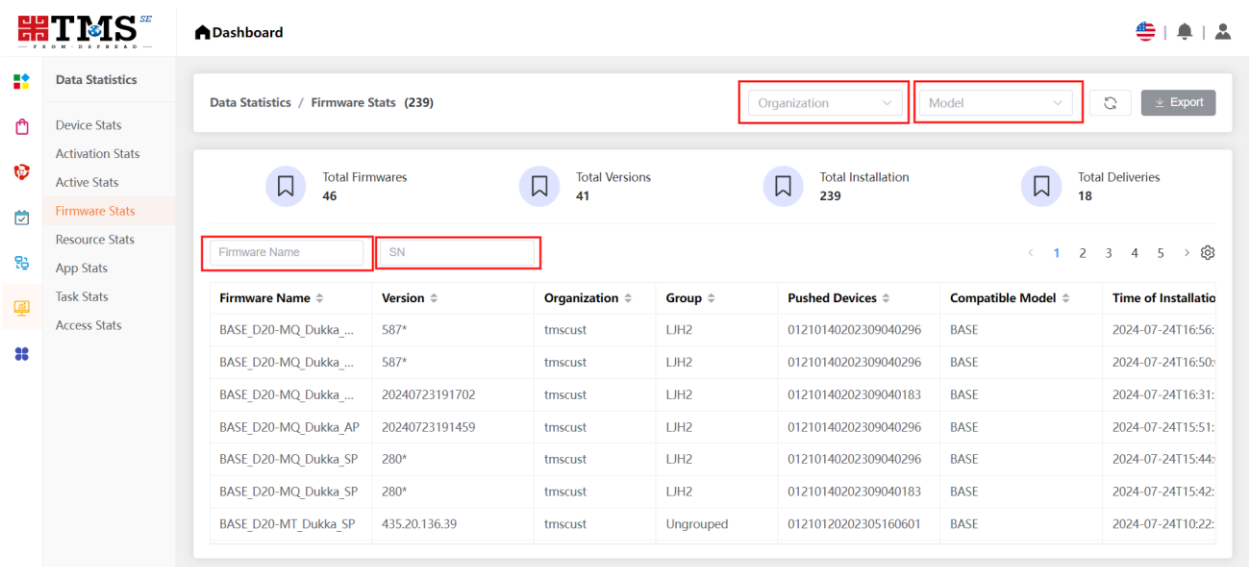
## 7.4.1 Firmware Data List



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:

1. 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.
2. 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.
3. 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




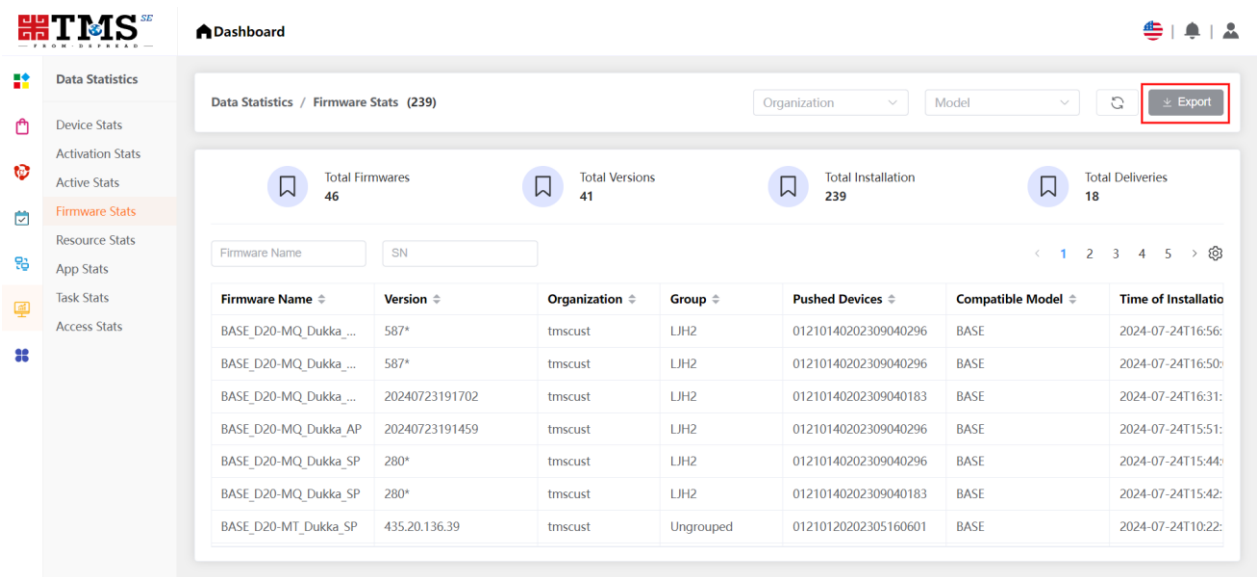
1. At the top of the interface, find the institution search box and the model search box respectively; On the left side of the interface, find the firmware name search box and the device number search box.
2. Select the keywords that you want to query based on the keywords displayed in the

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 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.



**Data Statistics / Firmware Stats (239)**

Organization: [Dropdown] Model: [Dropdown] [Refresh] **Export**

**Summary:**

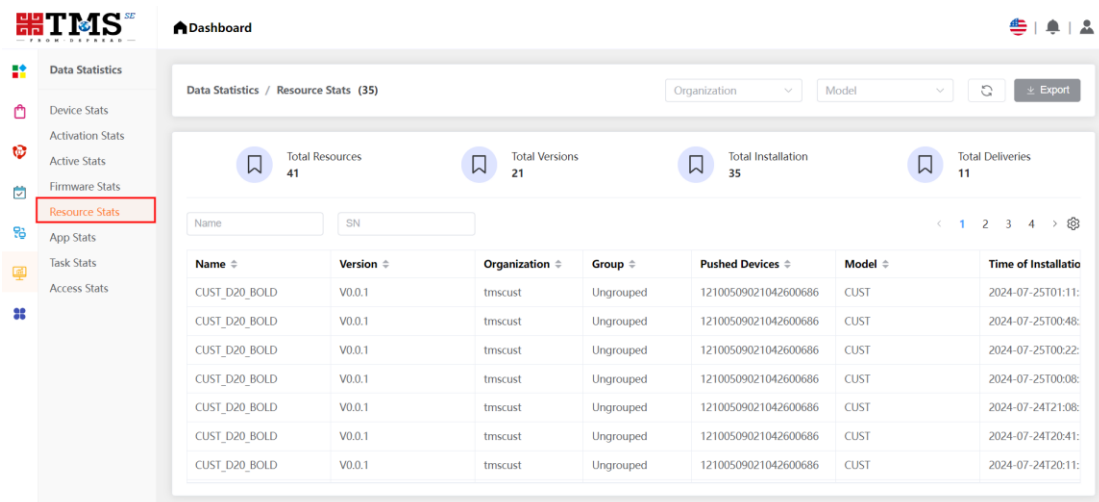
- Total Firmwares: 46
- Total Versions: 41
- Total Installation: 239
- Total Deliveries: 18

**Table:**

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:

## 7.5 Resource Data

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



**Data Statistics / Resource Stats (35)**


Organization: [Dropdown] Model: [Dropdown] [Refresh] **Export**

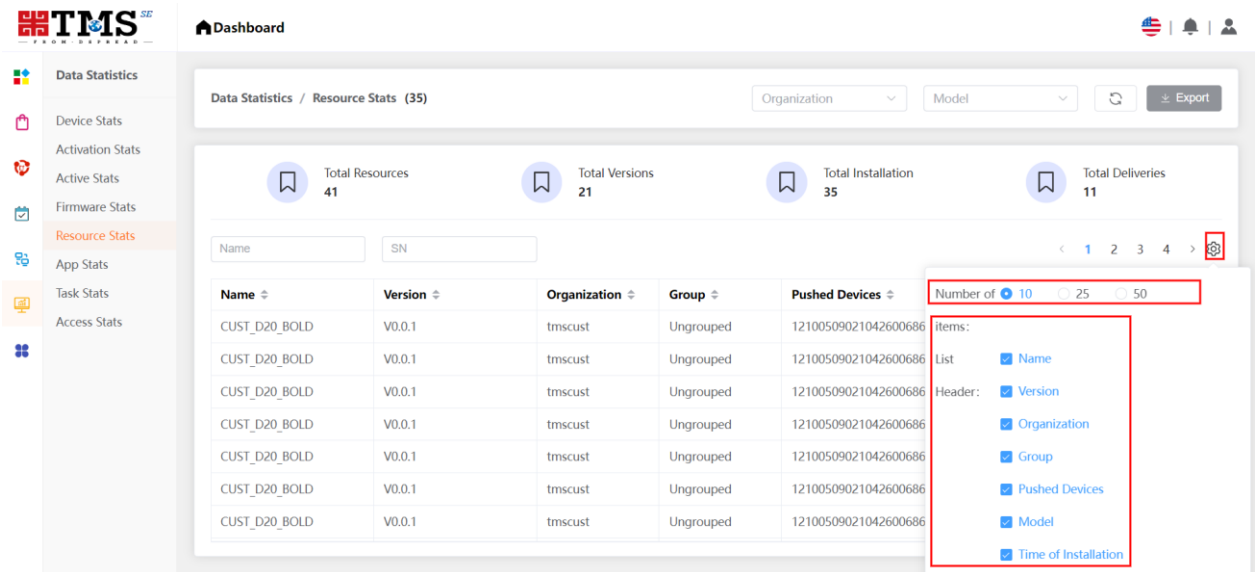
**Summary:**

- Total Resources: 41
- Total Versions: 21
- Total Installation: 35
- Total Deliveries: 11

**Table:**

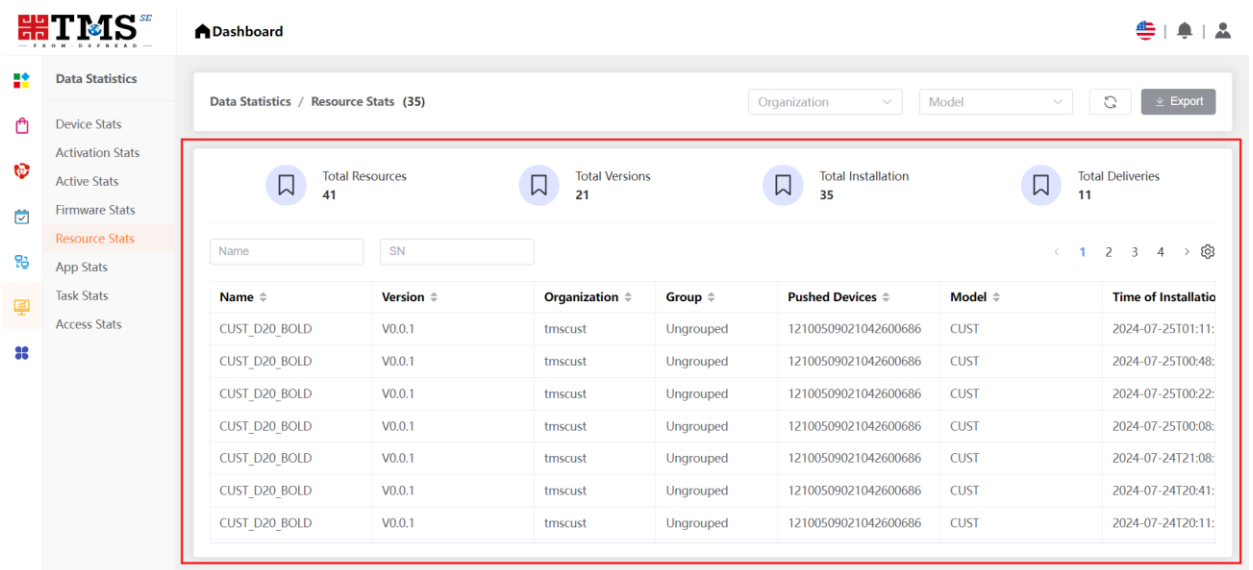
Name	Version	Organization	Group	Pushed Devices	Model	Time of Installation
CUST_D20_BOLD	V0.0.1	tmscust	Ungrouped	12100509021042600686	CUST	2024-07-25T01:11:
CUST_D20_BOLD	V0.0.1	tmscust	Ungrouped	12100509021042600686	CUST	2024-07-25T00:48:
CUST_D20_BOLD	V0.0.1	tmscust	Ungrouped	12100509021042600686	CUST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

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' page in LarkTMS. The top navigation bar includes 'Data Statistics' and 'Resource Stats (35)'. The main content area displays four summary cards: 'Total Resources 41', 'Total Versions 21', 'Total Installation 35', and 'Total Deliveries 11'. Below these is a table with columns: Name, Version, Organization, Group, and Pushed Devices. The table contains six rows of data for 'CUST\_D20\_BOLD' devices. In the top right corner, there is a pagination control with a gear icon. A red box highlights the pagination settings, showing 'Number of' with options 10, 25, and 50. Another red box highlights the 'Items' list, which includes 'Name', 'Version', 'Organization', 'Group', 'Pushed Devices', 'Model', and 'Time of Installation'.

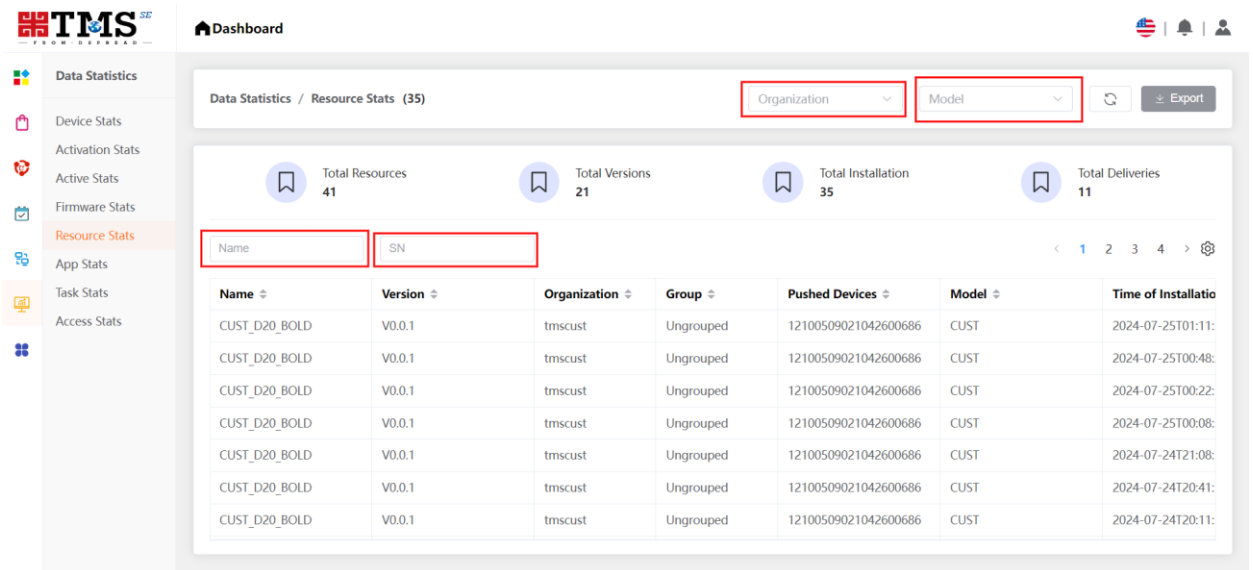
## 7.5.1 Resource Data List



The screenshot shows the 'Resource Data List' page in LarkTMS. The top navigation bar includes 'Data Statistics' and 'Resource Stats (35)'. The main content area displays four summary cards: 'Total Resources 41', 'Total Versions 21', 'Total Installation 35', and 'Total Deliveries 11'. Below these is a table with columns: Name, Version, Organization, Group, Pushed Devices, Model, and Time of Installation. The table contains six rows of data for 'CUST\_D20\_BOLD' devices. A red box highlights the table content.

1. 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.
2. 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.
3. 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




The screenshot shows the LarkTMS interface for querying resource data. The sidebar on the left includes navigation options: Data Statistics, Device Stats, Activation Stats, Active Stats, Firmware Stats, Resource Stats (highlighted), App Stats, Task Stats, and Access Stats. The main content area is titled 'Data Statistics / Resource Stats (35)'. It features search filters for 'Organization' and 'Model'. Below these are four summary cards: Total Resources (41), Total Versions (21), Total Installation (35), and Total Deliveries (11). A table displays the resource data with the following columns: Name, Version, Organization, Group, Pushed Devices, Model, and Time of Installation. The table contains 7 rows of data for 'CUST\_D20\_BOLD' devices.

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

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 resource 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 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.

 Export

**TMS** Dashboard

Data Statistics / Firmware Stats (239)

Organization Model Export

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

Firmware Name SN

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.

**TMS** Dashboard


Data Statistics / App Stats (195)

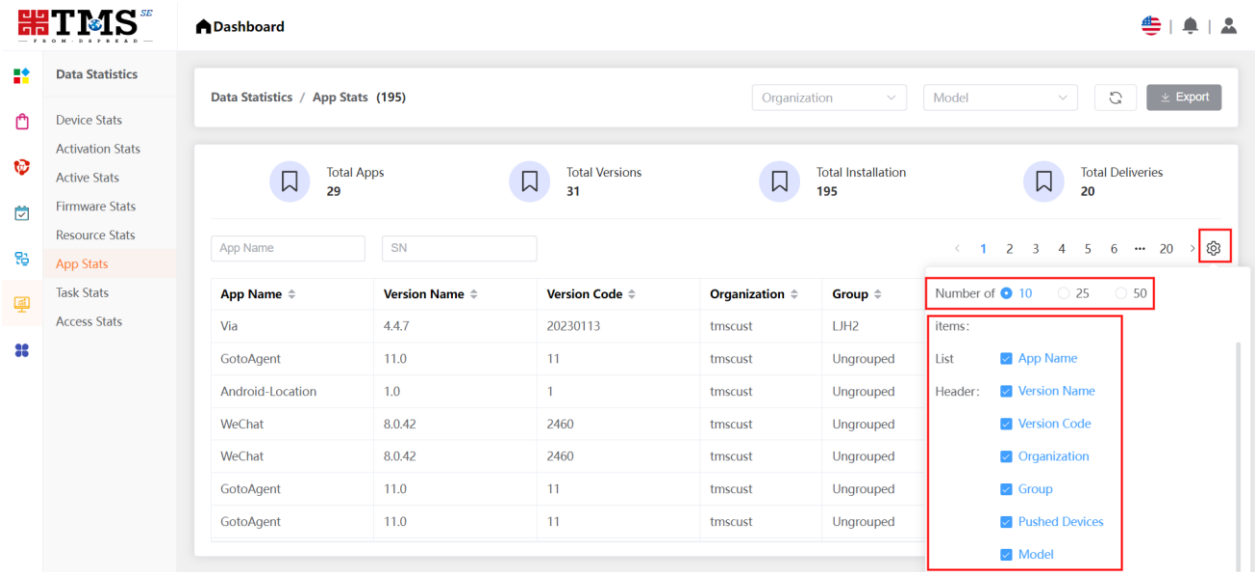
Organization Model Export

Total Apps 29 Total Versions 31 Total Installation 195 Total Deliveries 20

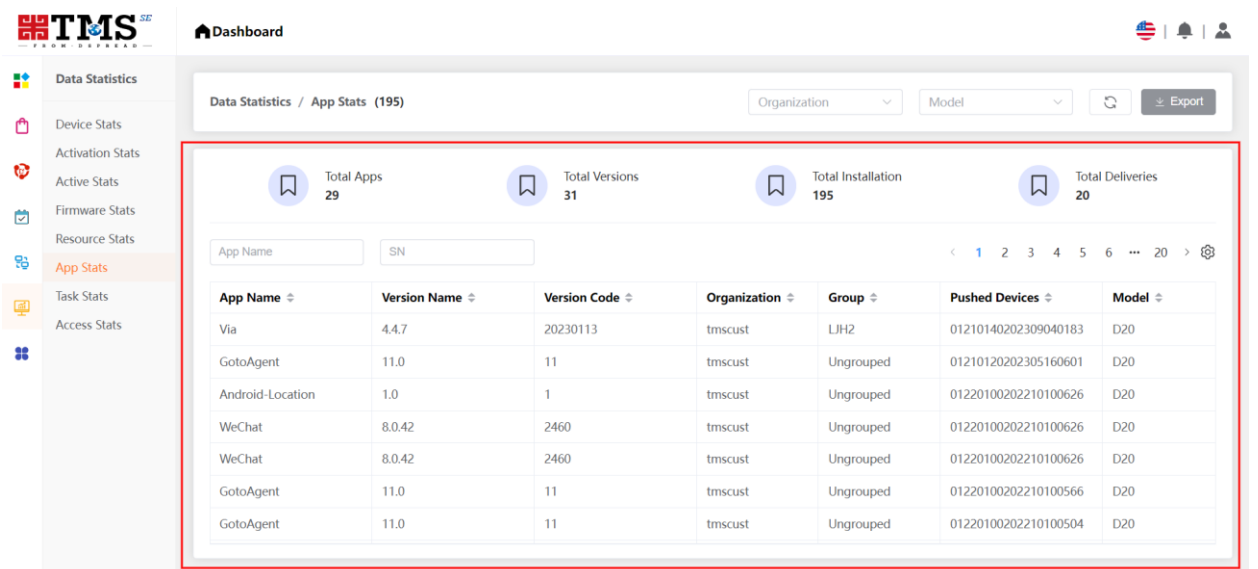
App Name SN

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

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.

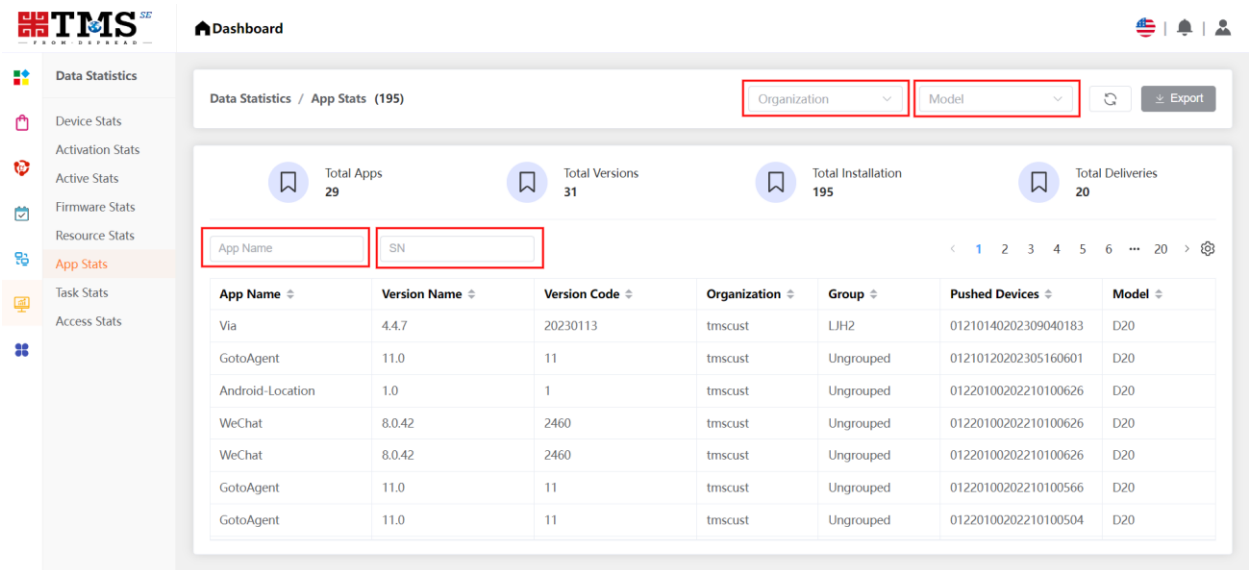


## 7.6.1 Application Data List



1. 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.
2. 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.
3. 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

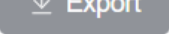



The screenshot shows the LarkTMS dashboard with the 'App Stats' section selected. The interface includes a sidebar with navigation options like 'Data Statistics', 'Device Stats', 'Activation Stats', 'Active Stats', 'Firmware Stats', 'Resource Stats', 'App Stats', 'Task Stats', and 'Access Stats'. The main content area displays 'Data Statistics / App Stats (195)' with search filters for 'Organization' and 'Model'. Below these are summary cards for 'Total Apps: 29', 'Total Versions: 31', 'Total Installation: 195', and 'Total Deliveries: 20'. Search boxes for 'App Name' and 'SN' are present. A table lists application data with columns: App Name, Version Name, Version Code, Organization, Group, Pushed Devices, and Model. The table contains 8 rows of 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.


**Dashboard**

Data Statistics / Firmware Stats (239)
 

Organization
 Model
 Export

Total Firmwares46


Total Versions41

Total Installation239

Total Deliveries18

Firmware Name


SN

< 1 2 3 4 5 >
 

Firmware Name	Version	Organization	Group	Pushed Devices	Compatible Model	Time of Installatio
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.


**Dashboard**

Data Statistics / Task Stats (1399)
 

Organization
 Model
 Export

Total Tasks2099

Total Firmware Tasks749


Total App Tasks618

Total Resources355


Total Deliveries28

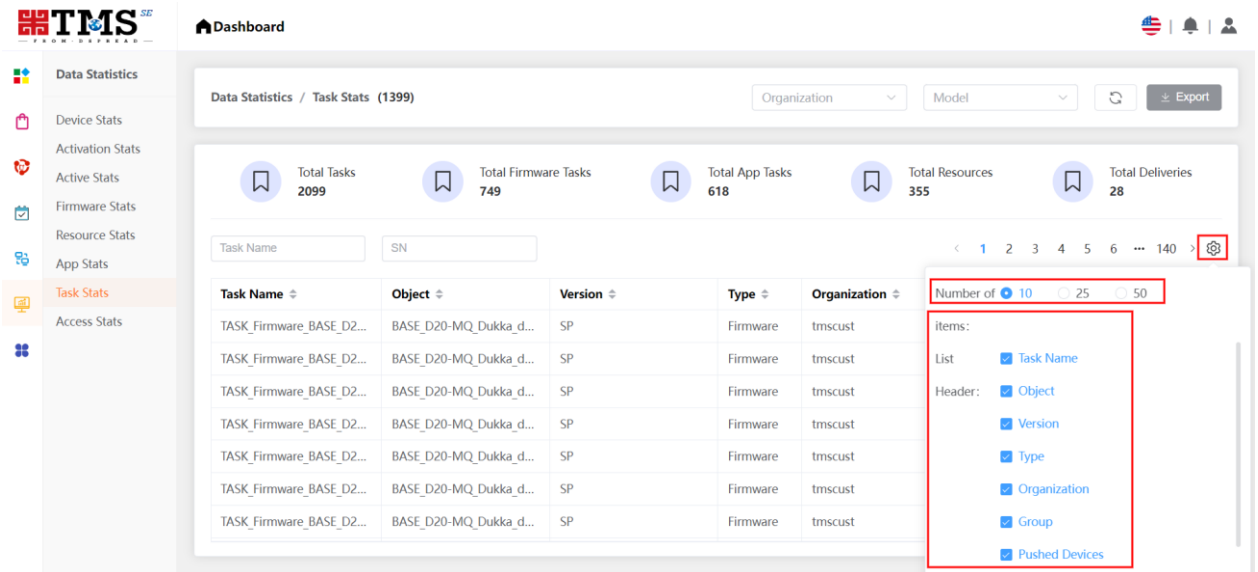
Task Name

SN

< 1 2 3 4 5 6 ... 140 >
 

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

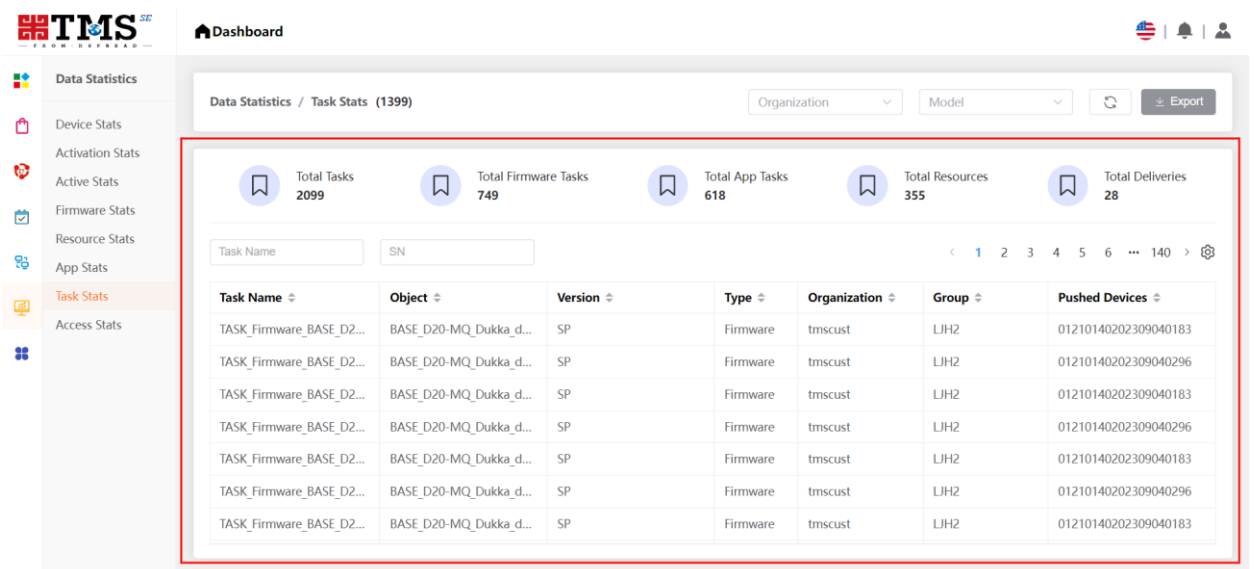
2. Find the icon in the upper right corner of the page  , and click it to change the number of data bars displayed in pagination; You can also modify the displayed list header.



The screenshot shows the 'Task Stats' page in LarkTMS. The page header includes the DSPREAD logo and 'LarkTMS'. The left sidebar lists various statistics: Data Statistics, Device Stats, Activation Stats, Active Stats, Firmware Stats, Resource Stats, App Stats, Task Stats (selected), and Access Stats. The main content area is titled 'Data Statistics / Task Stats (1399)' and includes filters for Organization and Model, along with an Export button. Below the filters, there are five summary cards: Total Tasks (2099), Total Firmware Tasks (749), Total App Tasks (618), Total Resources (355), and Total Deliveries (28). A table of task data is displayed, with columns for Task Name, Object, Version, Type, and Organization. A settings menu is open on the right, showing options for the number of items (10, 25, 50) and a list of items to display (Task Name, Object, Version, Type, Organization, Group, Pushed Devices).

Task Name	Object	Version	Type	Organization
TASK_Firmware_BASE_D2...	BASE_D20-MQ Dukka_d...	SP	Firmware	tmscust
TASK_Firmware_BASE_D2...	BASE_D20-MQ Dukka_d...	SP	Firmware	tmscust
TASK_Firmware_BASE_D2...	BASE_D20-MQ Dukka_d...	SP	Firmware	tmscust
TASK_Firmware_BASE_D2...	BASE_D20-MQ Dukka_d...	SP	Firmware	tmscust
TASK_Firmware_BASE_D2...	BASE_D20-MQ Dukka_d...	SP	Firmware	tmscust
TASK_Firmware_BASE_D2...	BASE_D20-MQ Dukka_d...	SP	Firmware	tmscust
TASK_Firmware_BASE_D2...	BASE_D20-MQ Dukka_d...	SP	Firmware	tmscust

## 7.7.1 Task Data List

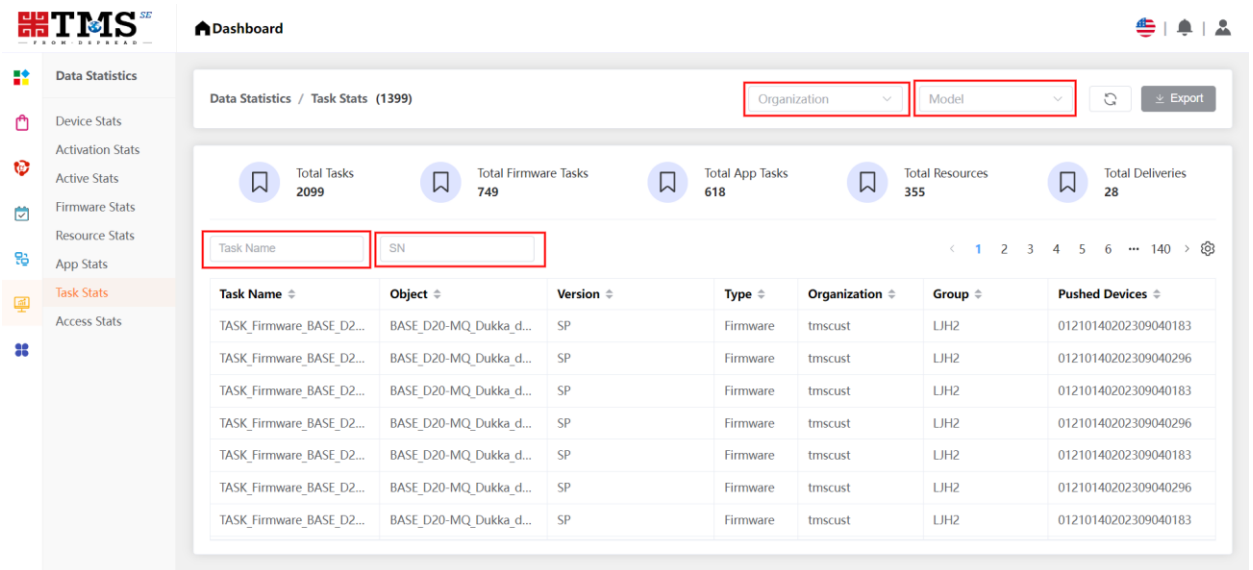


The screenshot shows the 'Task Stats' page in LarkTMS, similar to the previous one, but with a red box highlighting the summary cards and the task data table. The table has columns for Task Name, Object, Version, Type, Organization, Group, and Pushed Devices.

Task Name	Object	Version	Type	Organization	Group	Pushed Devices
TASK_Firmware_BASE_D2...	BASE_D20-MQ Dukka_d...	SP	Firmware	tmscust	LJH2	0121014020309040183
TASK_Firmware_BASE_D2...	BASE_D20-MQ Dukka_d...	SP	Firmware	tmscust	LJH2	0121014020309040296
TASK_Firmware_BASE_D2...	BASE_D20-MQ Dukka_d...	SP	Firmware	tmscust	LJH2	0121014020309040183
TASK_Firmware_BASE_D2...	BASE_D20-MQ Dukka_d...	SP	Firmware	tmscust	LJH2	0121014020309040296
TASK_Firmware_BASE_D2...	BASE_D20-MQ Dukka_d...	SP	Firmware	tmscust	LJH2	0121014020309040183
TASK_Firmware_BASE_D2...	BASE_D20-MQ Dukka_d...	SP	Firmware	tmscust	LJH2	0121014020309040296
TASK_Firmware_BASE_D2...	BASE_D20-MQ Dukka_d...	SP	Firmware	tmscust	LJH2	0121014020309040183

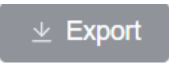
1. After entering the task data page, you can view the task data information of all types of tasks successfully pushed by the current organization to the device.
2. You can view the total number of tasks, the total number of firmware tasks, the total number of application tasks, the total number of resource tasks, and the number of devices reached at the top of the page.
3. 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



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 task 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 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.

**TMS** **Dashboard**

Data Statistics / Task Stats (1399) Organization Model Export

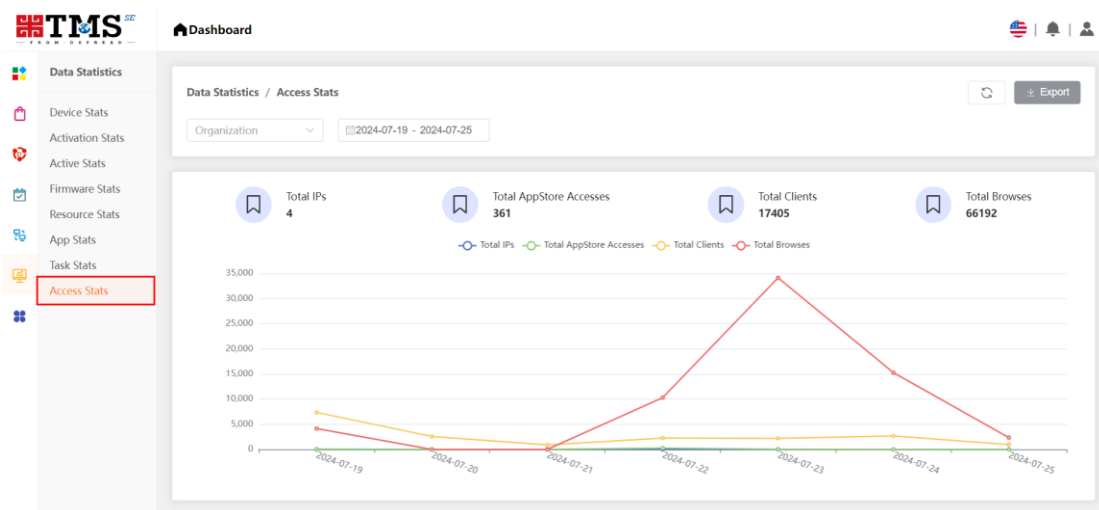
Total Tasks 2099 Total Firmware Tasks 749 Total App Tasks 618 Total Resources 355 Total Deliveries 28

Task Name SN

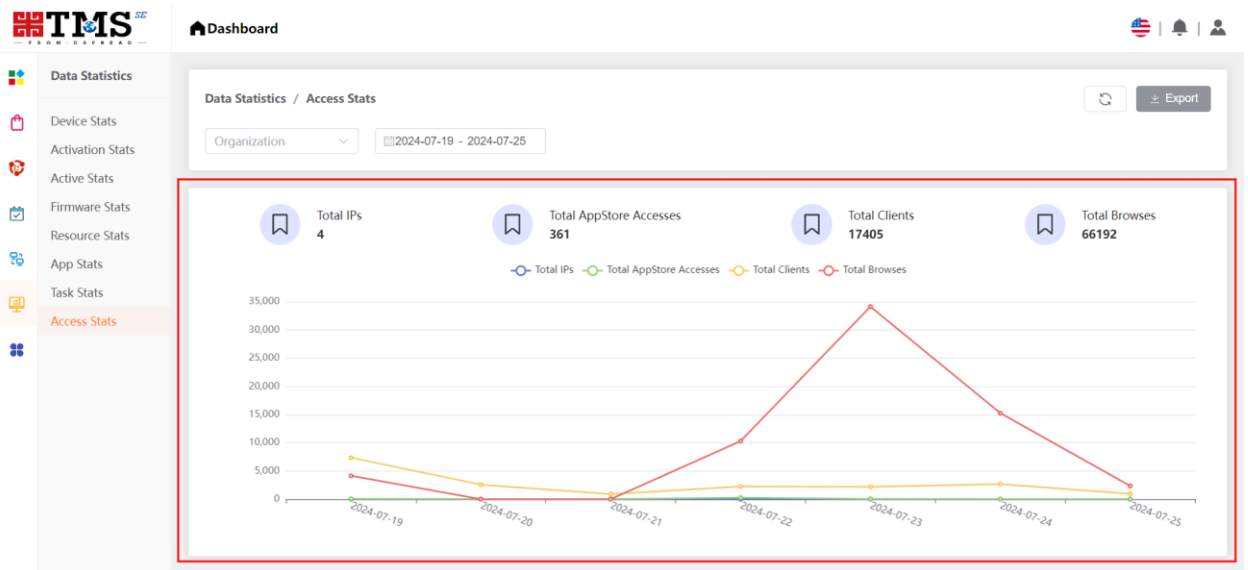
Task Name	Object	Version	Type	Organization	Group	Pushed Devices
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP	Firmware	tmscust	LJH2	01210140202309040183
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP	Firmware	tmscust	LJH2	01210140202309040296
TASK_Firmware_BASE_D2...	BASE_D20-MQ_Dukka_d...	SP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

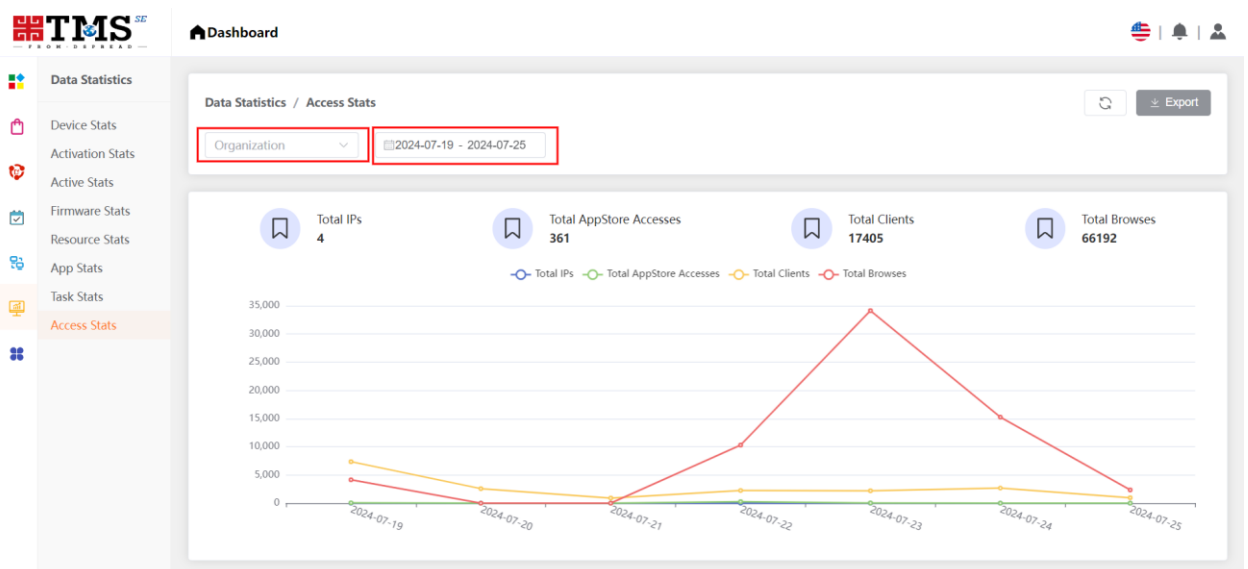


## 7.8.1 Access the data line chart



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.

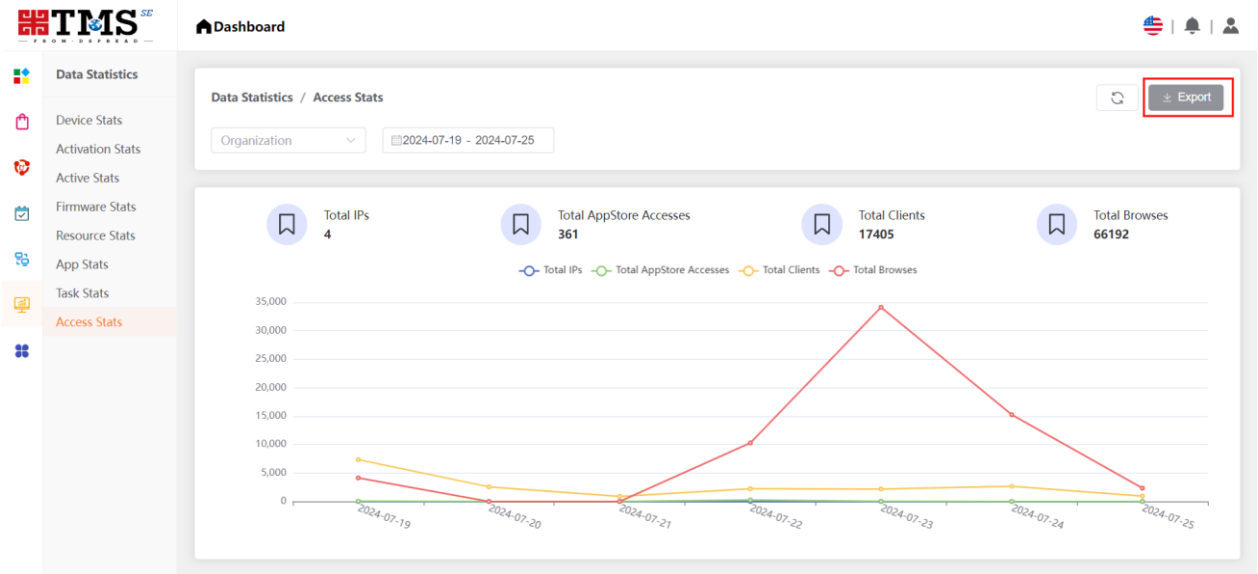
## 7.8.2 Query Data



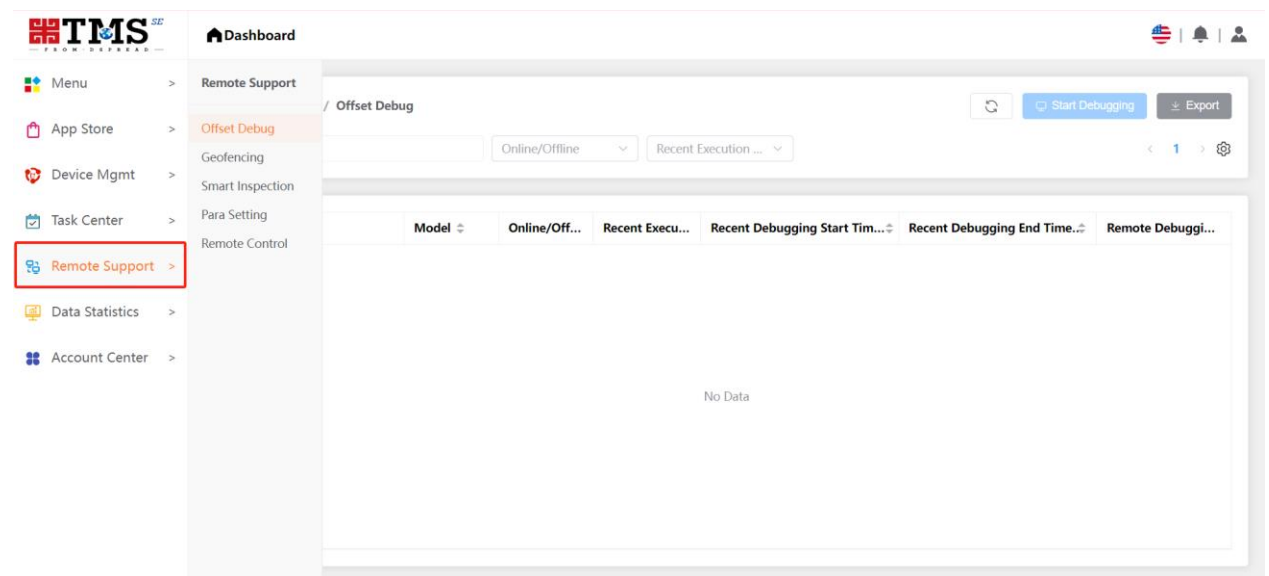
1. At the top of the activation data interface, find the organization search box and the date selection box.
2. Select the keywords that you want to query based on the keywords displayed in the search drop-down box. You can select a single conditional query or a federated query with multiple criteria.
3. 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.



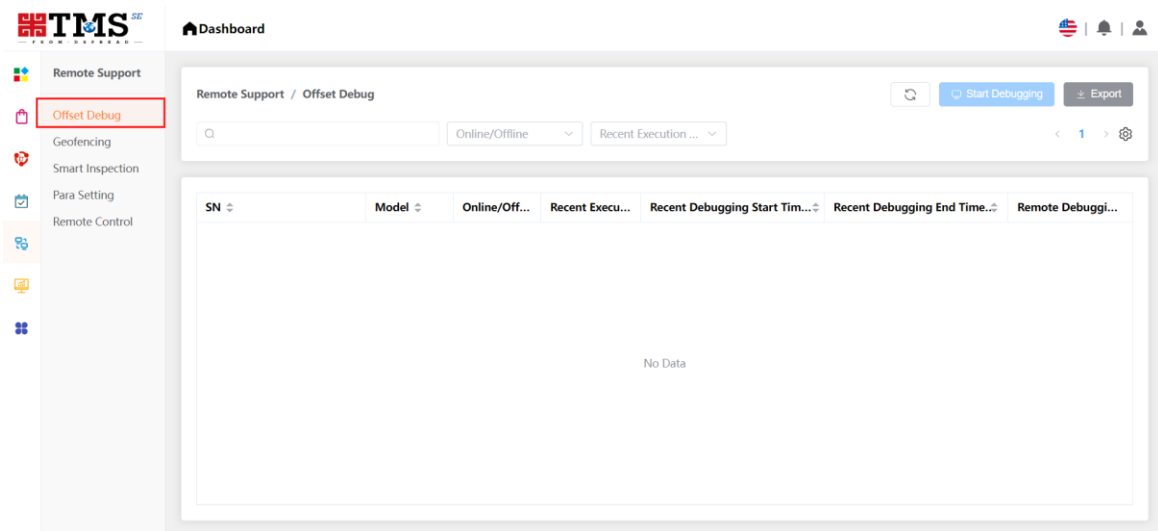
## 8. Remote collaboration



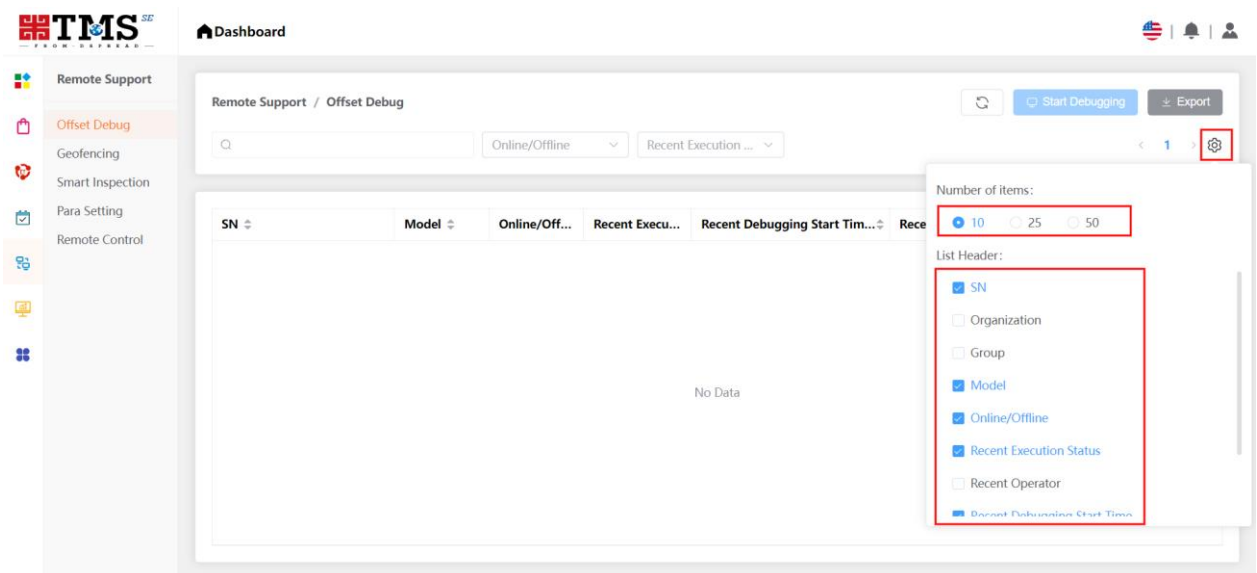
Click the 【Remote Support】 button to enter Remote collaboration page.

### 8.1 Remote debugging

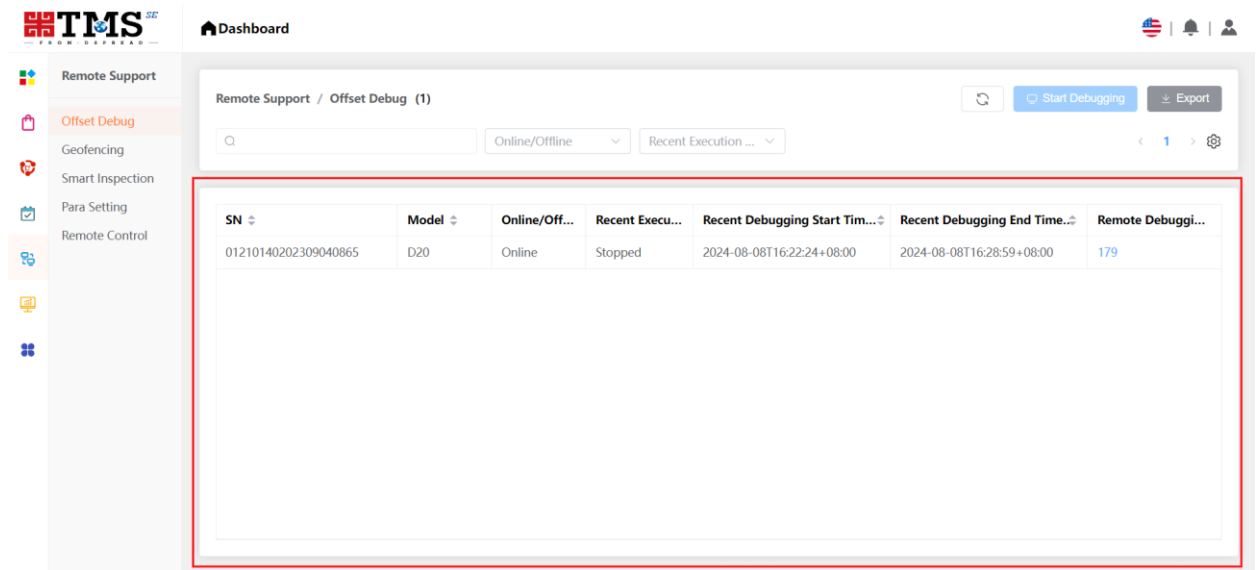
1. By clicking the 【Remote Support】 -> 【Offset Debug】 button to enter Remote debugging page.



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



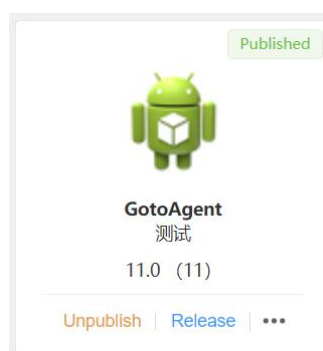
Enter Remote debugging page, you can view the current organization Down **Open Remote debugging** of Device information.

### 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:

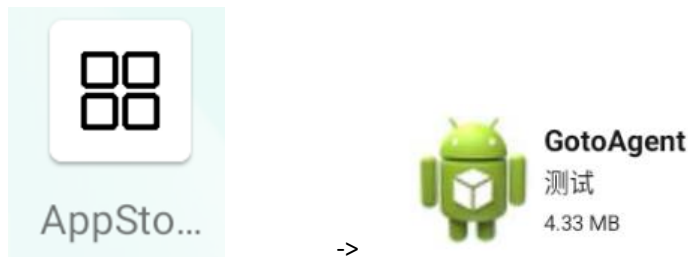
1. exist TMS System 【My Apps】 page, add “GotoAgent” application.



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

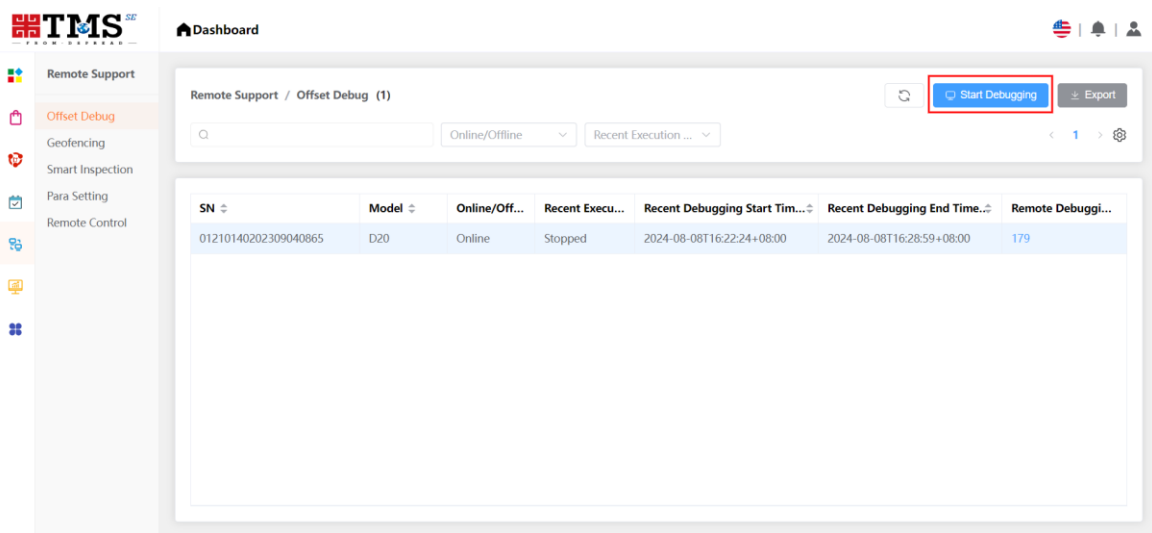
#### b. exist device on operation:

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

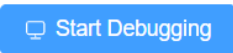


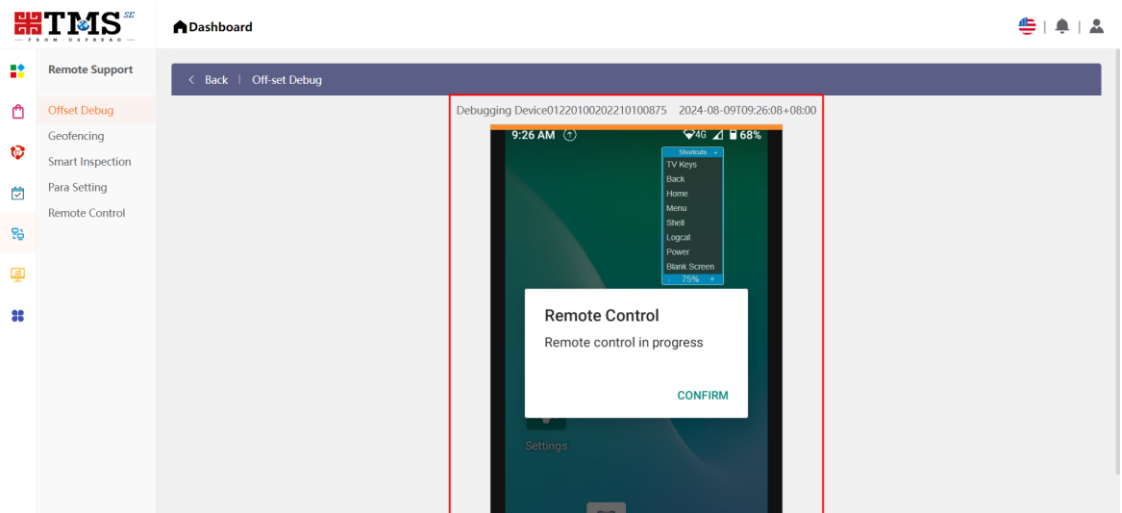
2. After the installation is complete, the device information can be displayed on the remote debugging page, and can enable remote debugging.

## 8.1.2 Enable remote debugging

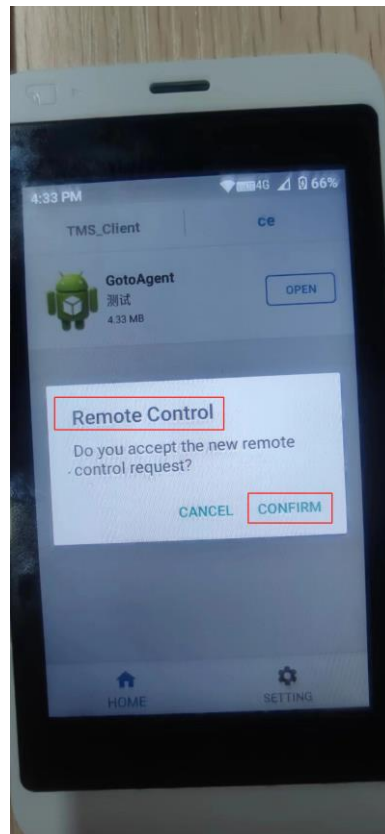


1. Select the device that needs remote debugging and find the “Start Debugging” Button, click to enter Remote debugging interface.



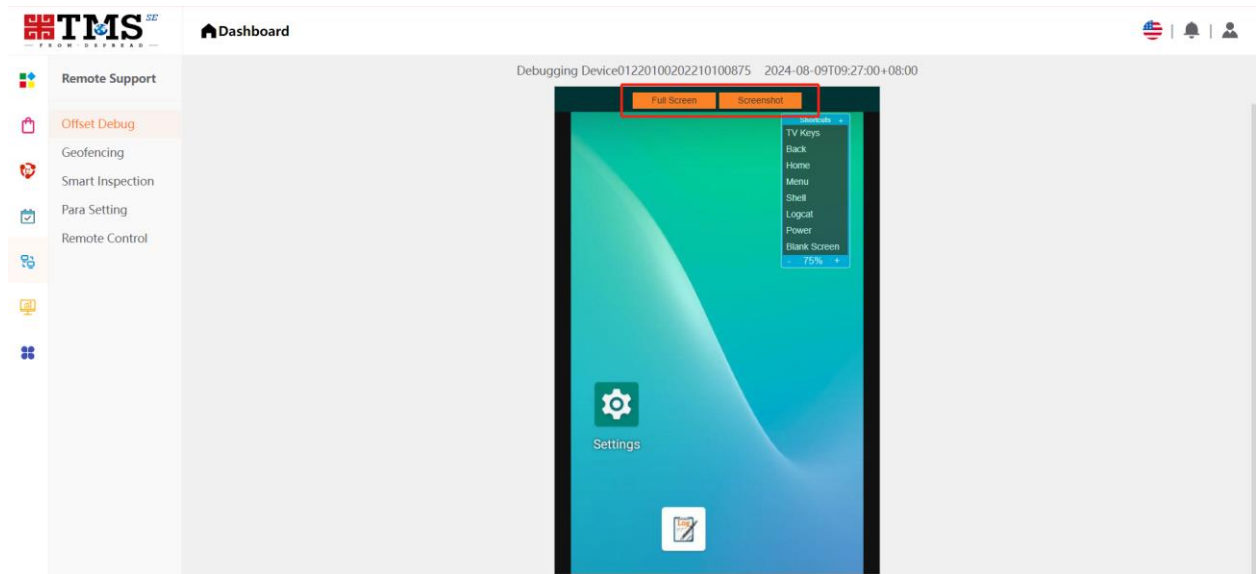


2. After clicking the button, the device will prompt "Remote Control" information, click "CONFIRM" to successfully start remote debugging.



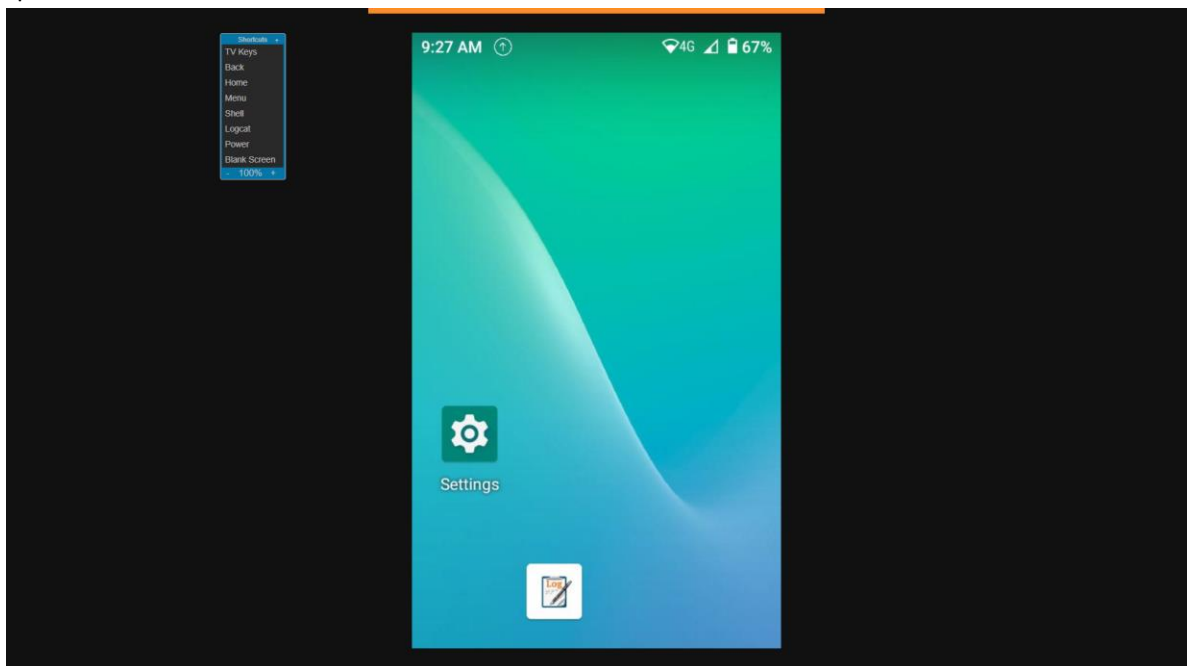
3. After successful opening, the device can be controlled on the TMS system by simulating finger sliding with the mouse and clicking shortcut keys.

## 8.1.3 Remote debugging page Function

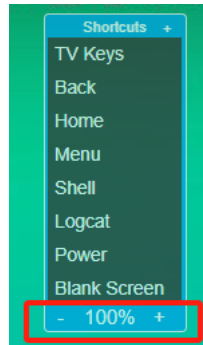


After successfully starting remote debugging, you can display the full screen and take screen shots of the device interface

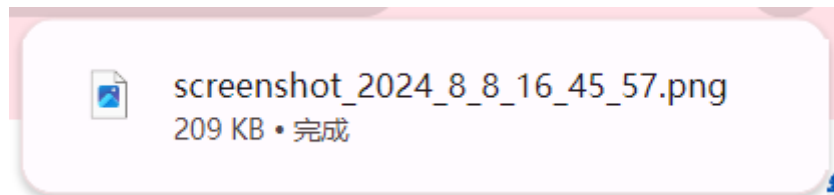
1. Open full screen effect as shown below:



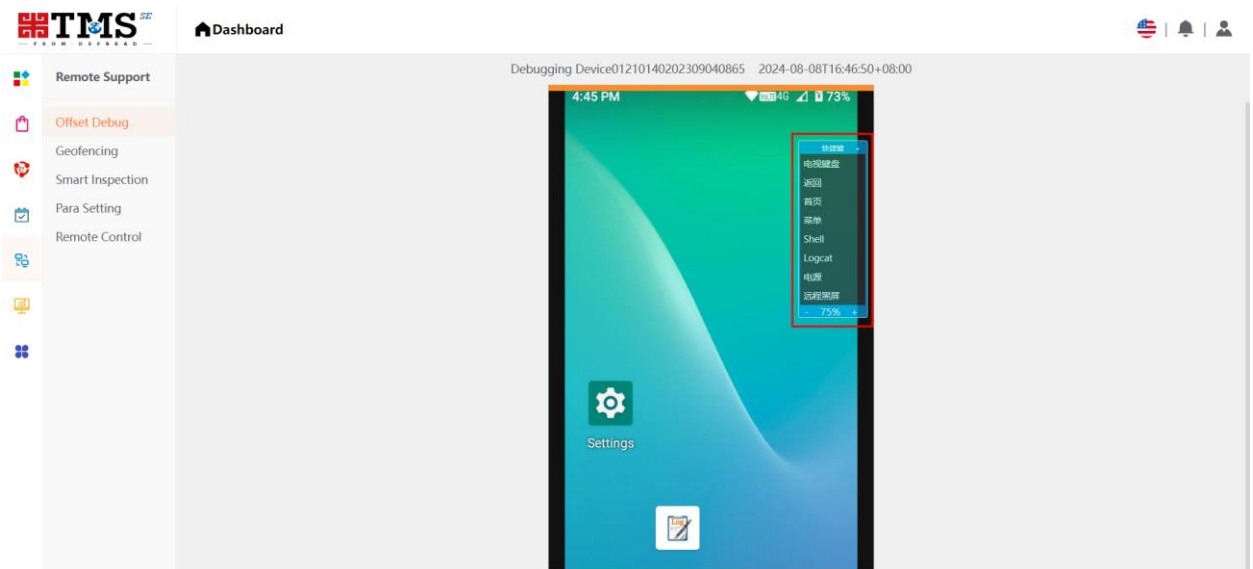
**Note:**Please adjust the resolution to an appropriate size after exiting full screen.



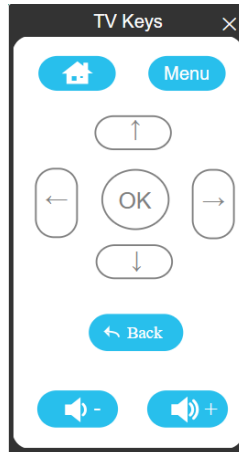
- Click on the screen shot to open the browser automatic create a download task, the download content is the device interface screenshot.




## 8.1.4 Remote debugging device function

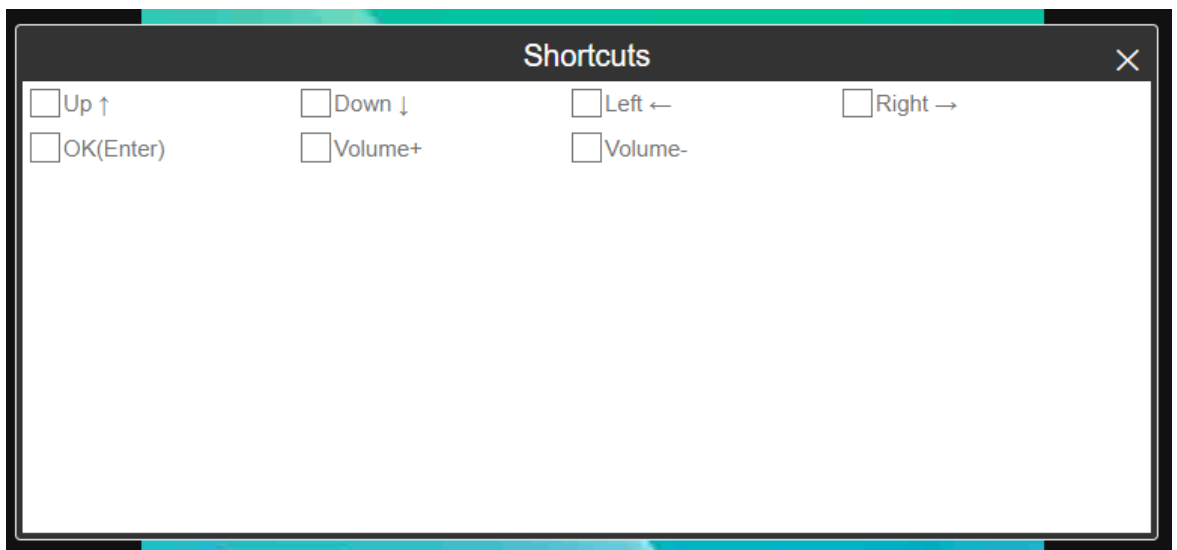


- After remote debugging is successfully started, a shortcut key suspension box will be displayed on the page, which can be used to simulate the operation of the device, including TV keyboard, back, home page, menu, Shell, Logcat, power supply, remote black screen, change resolution and other functions.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

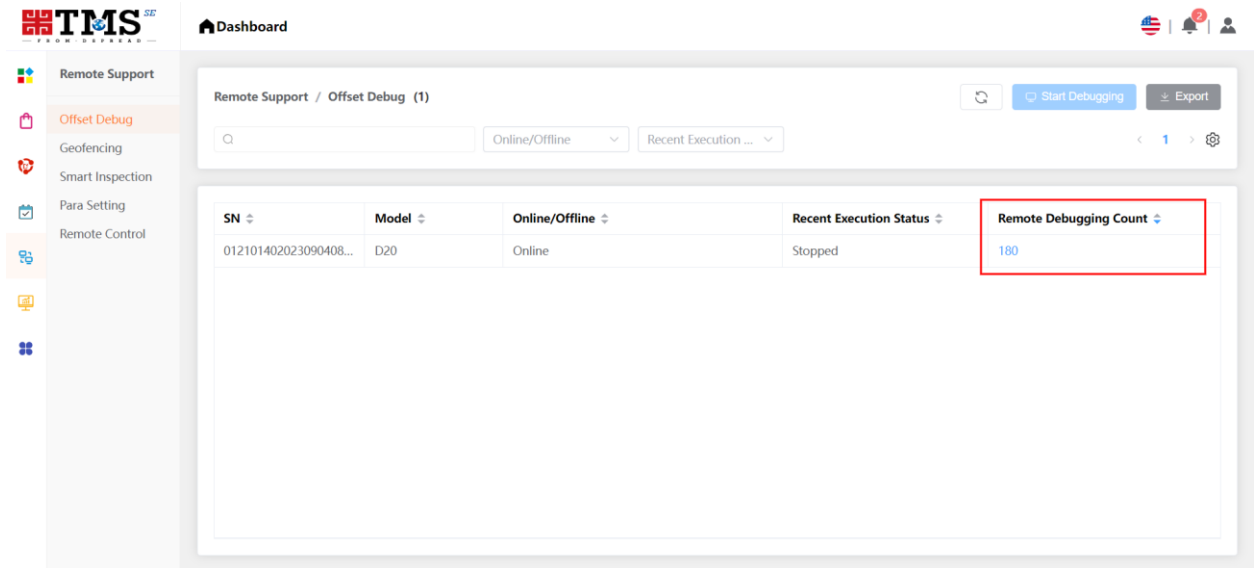
- In addition, you can also click the "+"  Open the Add Shortcut Keys interface, where you can check the required shortcut keys to the page.



- Click the "Back" button to **cancel remote debugging**.



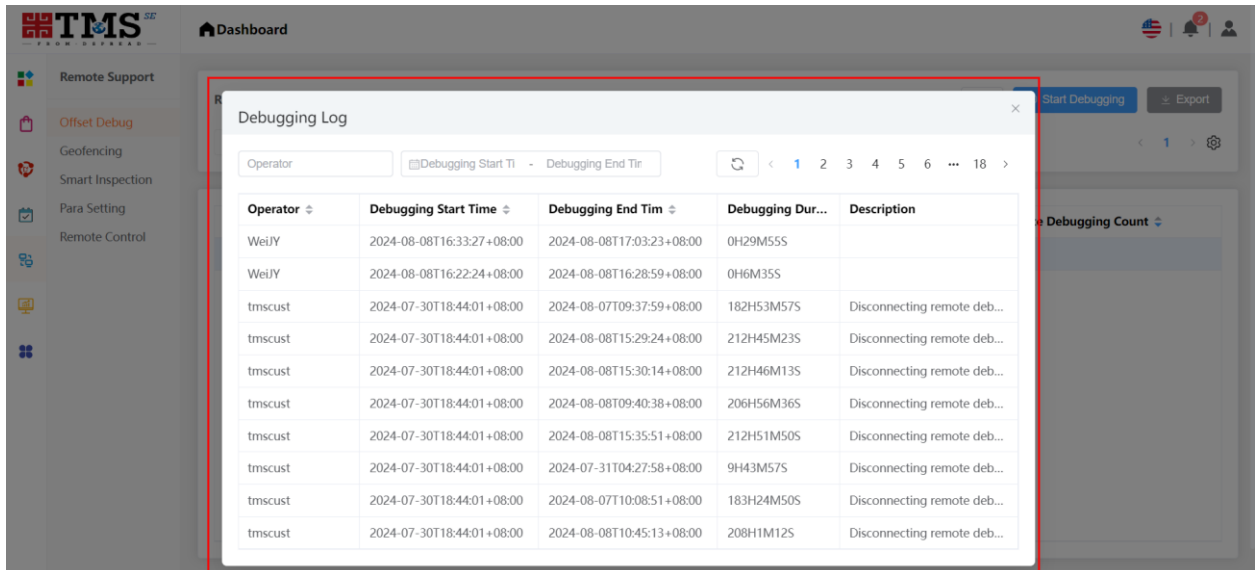
## 8.1.5 Remote debugging frequency



The screenshot shows the LarkTMS interface with the 'Remote Support' sidebar. The 'Offset Debug' section is active, displaying a table of devices. The 'Remote Debugging Count' column is highlighted with a red box, showing a value of 180 for the device with SN 012101402023090408...

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

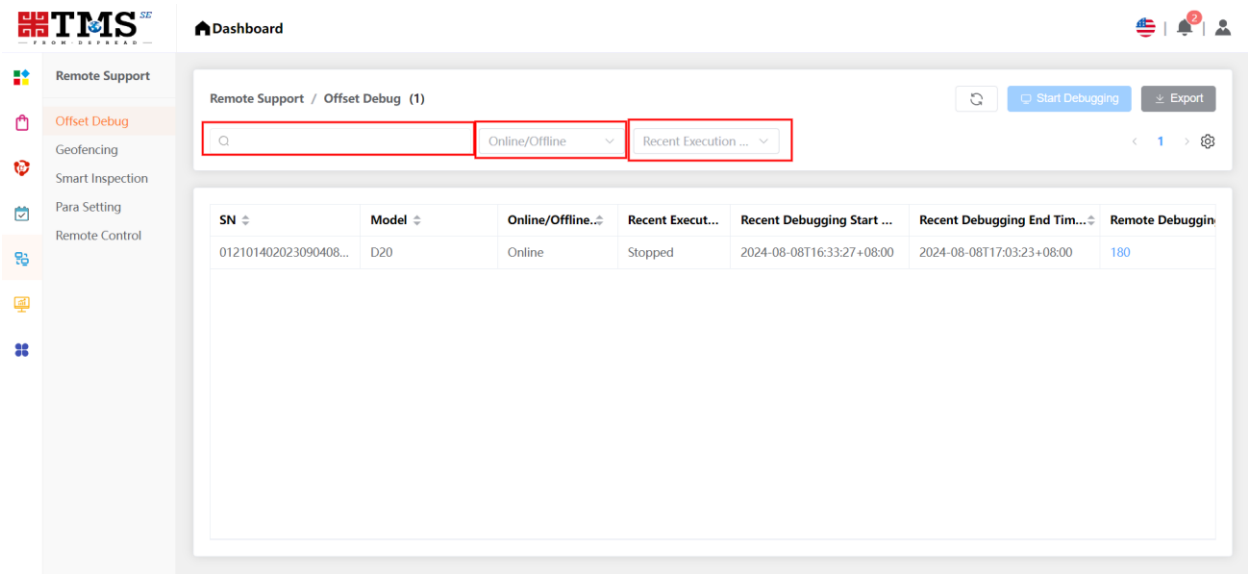
1. Find the page list "Remote Debugging Count" column, click the number of the device whose debugging times you want to view.
2. After clicking, in the pop-up debug log, you can view when and by which organization the device was debugged. Over debugging.



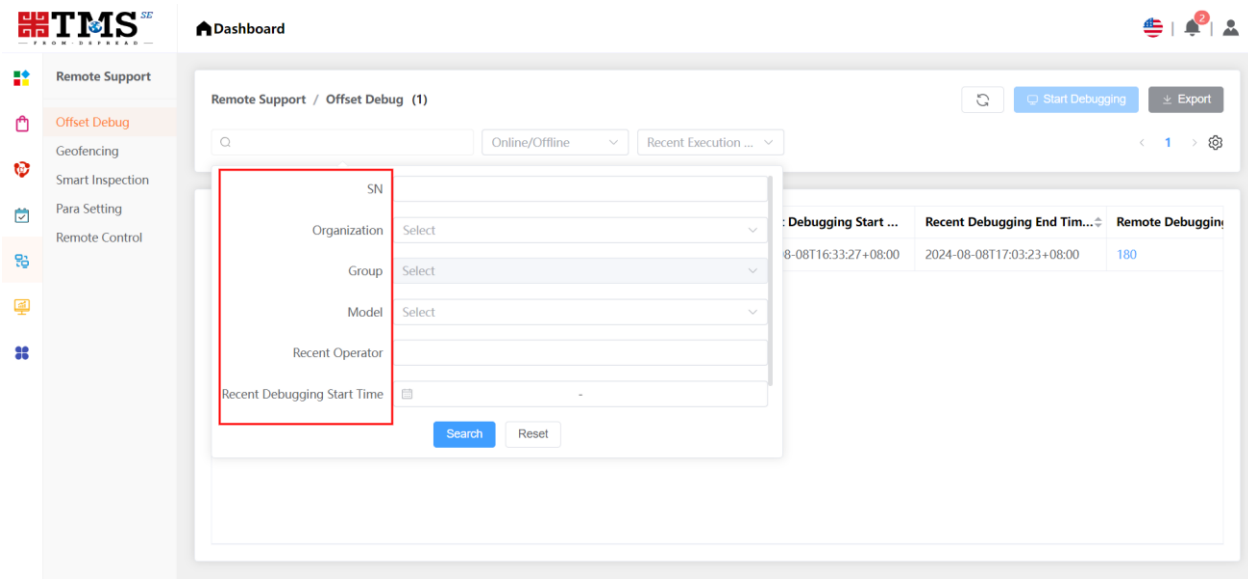
The screenshot shows the 'Debugging Log' pop-up window. It contains a table with the following data:

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...

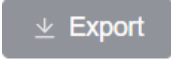
8.1.6Query debugging device



- 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.



8.1.7ExportDebugging device

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.

Remote Support

Offset Debug

Geofencing

Smart Inspection

Para Setting

Remote Control

Remote Support / Offset Debug (1)

Q

Online/Offline

Recent Execution ...

Start Debugging

Export

< 1 >

⚙

SN	Model	Online/Offline	Recent Execut...	Recent Debugging Start ...	Recent Debugging End Tim...	Remote Debugging
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