



NEXGO Cloud User Manual

Operation Guide

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Revision History

version	Time	Operator	Description
1.01	2021.2.18	Kaibo Hu	Document content editing
1.02	2021.2.21	Xiang Chen	Update
1.03	2021.3.9	Kaibo Hu	Add app test/publish & parameter management.
1.04	2021.5.20	Kaibo Hu	Add content for [Get apps from Nexgo Public Store]
1.05	2021.6.25	Kaibo Hu	Update
1.06	2021.7.22	Kaibo Hu	Modify merchant & parameter module.
1.07	2021.8.17	Kaibo Hu	Modify pushing way for app & OTA. Modify account center. Merchant/Parameter export.
1.08	2021.10.20	Kaibo Hu	Add Forget password/Weblog/Group tasks ect.
1.09	2021.11.11	Kaibo Hu	Modify merchant/device/parameter menu.
1.10	2022.1.14	Kaibo Hu	Add Dual-Auth/Start App after installation/App Statistics/Management of shared Apps.
1.11	2022.4.20	Kaibo Hu	Add Linux part. Modify the message/app/parameter pushing flow. Mark the difference between Android and Linux devices.
1.12	2022.6.17	Kaibo Hu	Add System Settings.
1.13	2022.9.26	Kaibo Hu	Change page style. Add feature of Task Center/Tags/Profile etc.
1.14	2023.2.16	Zuqi Wu	Add feature of Kiosk Mode. Upload/push historical versions of smart apps. Manage the devices/apps/merchants/accounts information of sub-distributor.

1.15	2023.4.3	Zuqi Wu	Add feature of authorizing parent distributor to manage sub-distributor's devices. Add feature of export tasks details. Asynchronous export of Apps statistics.
1.16	2023.5.10	Zuqi Wu	Add an account center that integrates multiple platforms; Support users to modify login accounts; Add smart application upgrade quick entry point.
1.17	2023.9.1	Zuqi Wu	Add batch deletion of devices in the beta version of the application; Modification of homepage layout content; Add firmware attention function.

Preface

This document aims to guide the user to understand NEXGO Cloud System and help user to manage their POS devices.

Concept

Terminology	Explanation
Distributor	The customers of NEXGO, each customer can create sub-distributors according to their business.
Device	The physical equipment, produced by the vendor such as NEXGO.
Merchant	The stores which are using the POS device. Normally defined by the payment system.
Terminal	The device which is using for the business. Normally defined by the payment system.
OTA	The firmware of Android devices, normally released by the vendor, such as NEXGO.
Tag	User can put multiple tags for each device SN, all tags are the same level and it is different with group.
Profile	User can schedule a profile for POS terminal upgrades.

Terminal

Supported Models

NEXGO cloud system supports all NEXGO device models, including Android and Linux devices.

Android models:

N5/N86/N3/N6/P200/UN20/N82

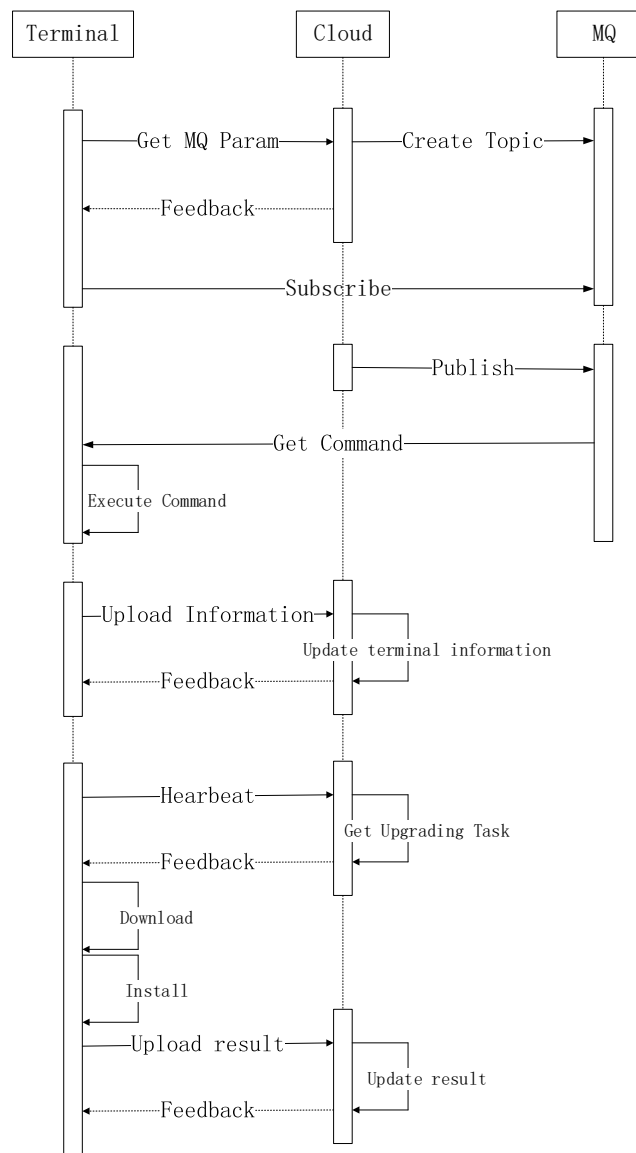
Linux models:

G5/T6/G2-4G/K300-4G/T2/G2S

Communication

NEXGO cloud system supports two kinds of connection: short connection (https) and long connection (MQTT). The device actively sends information to system by short connection, system can send commands to devices real-time by long connection.

Below is the communication progress:



Client Application

TMS Client

The main client application on POS, pre-installed by NEXGO factory.

The device information is uploaded by this client app. It also can subscribe the topic which created by the system, the messages published by system will reach to this client, then it will execute the corresponding actions on device.

Remote Assist

This is a client application which used for communicating with remote assistance module, it builds the connection in order to synchronize the desktop with cloud system, and respond to the operating instructions from the system, and it also can upload files to system, such as log files.

Terminal Care

This is the client application which used for diagnosis the status of POS hardware modules, such as card readers, network strength, GPS location etc. it requires manually checking & confirmation to judge whether the data is correct or not. Then this client application will upload the results to NEXGO Cloud system.

AppToGo

Used for the App Store.

It can display the apps which configured on Cloud App Store. Device holders can choose the apps and get installation.

Website

User can manage/push updates through the website, user also can get some updates notification from NEXGO team, such as new OTA packages, new batch of serial numbers etc.

When customer ordered new batch of device, NEXGO will manufacture and import the S/N into the system; when customer required the modification in firmware, NEXGO will develop it, then upload into the system, customer can see the new package directly, don't need to upload it again.

System contains 5 main modules:
Upgrades/Devices/Service/Distributors/Settings.

Upgrades: managing/checking the software packages and pushing records.

Devices: managing/checking the device/tag/merchant information.

Service: managing the app store features.

Distributors: managing the role/user and sub-distributors.

Settings: checking the web logs and system settings.

Login

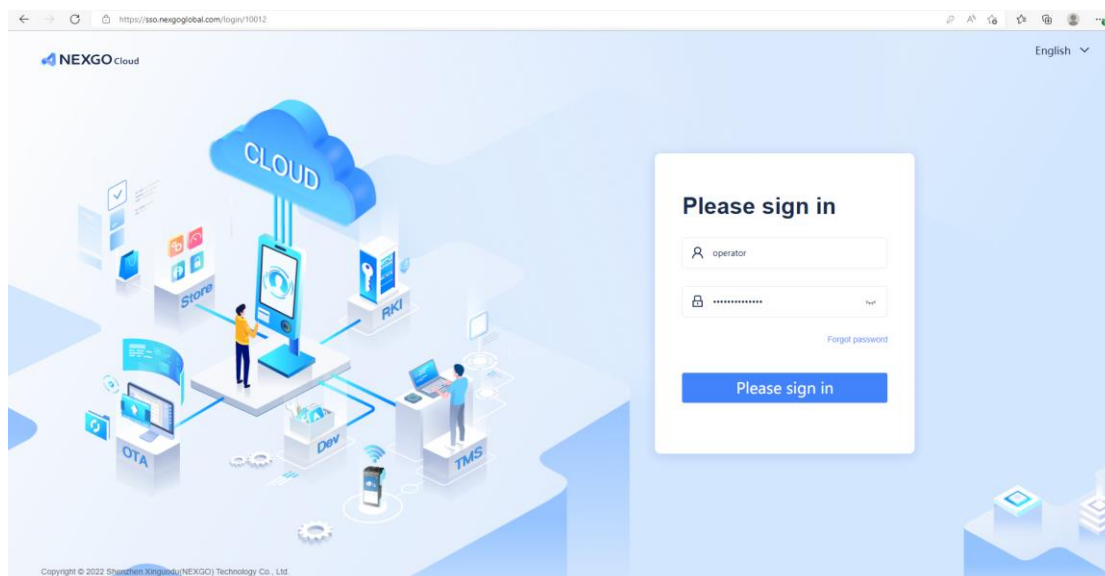
Normally NEXGO salesman and NEXGO customer will decide together about the XTMS position of deployment. In this document, we will describe in NEXGO server.

Website URL: <https://cloud.nexgoglobal.com/>

The default server URL in POS: <https://cloud.nexgoglobal.com:6665/>

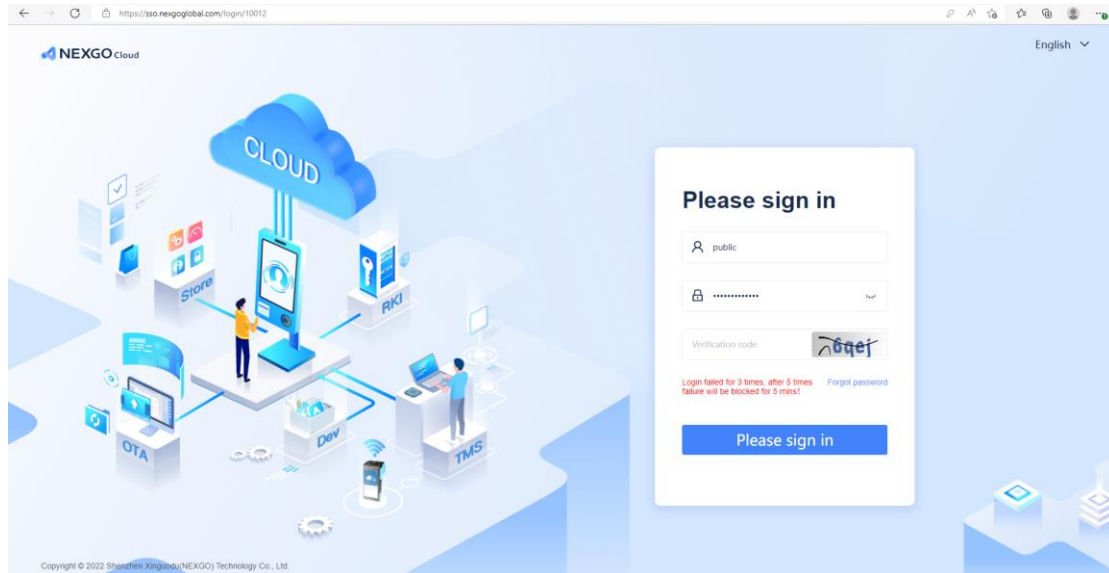
Account/Password: provided by NEXGO salesman.

NEXGO salesman will request a demo account for NEXGO customer, after get the account, customer can log into system with the given account and password.

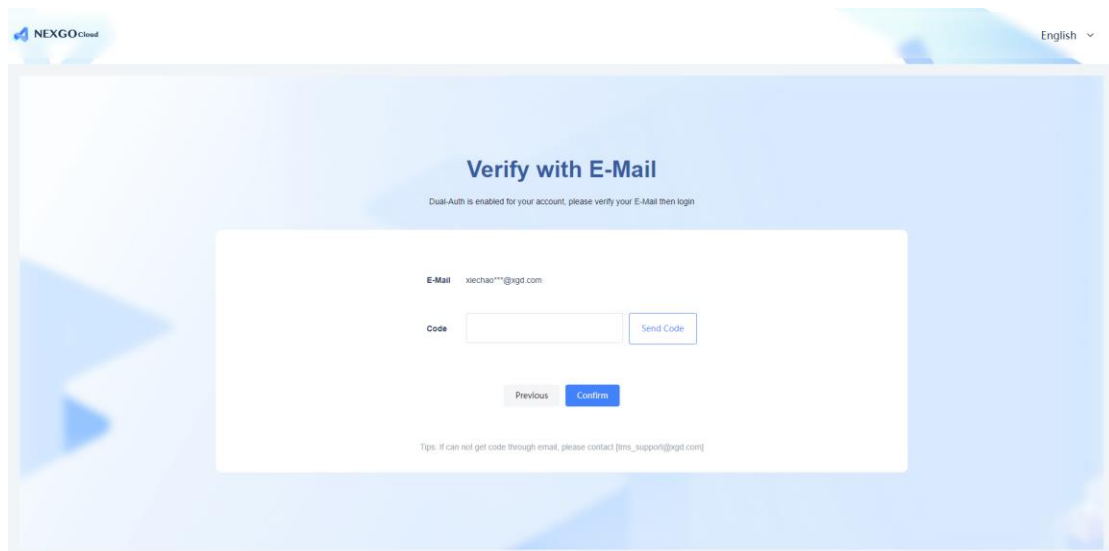


If forget the password, user can find the password by clicking [Forgot Password], the pre-condition is filling your email in the system for account.

If password was wrong, system will provide the verification code for check, after 5 times of fails, system will block this account for 5 minutes.

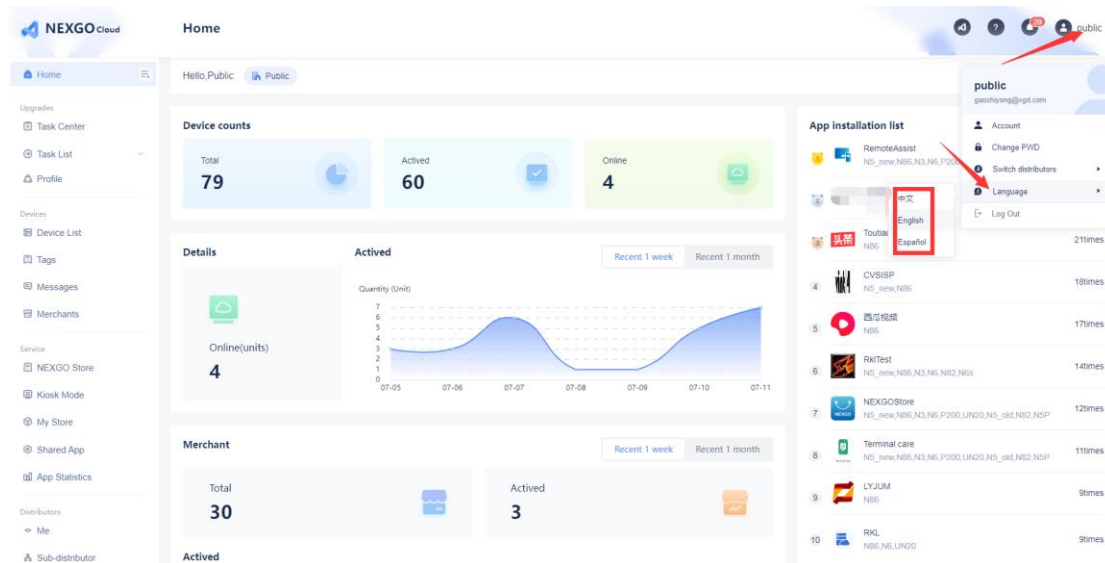


If user enabled Dual-Auth for login, system will send the verification code to the email, user needs to input it when login.



Currently, NEXGO cloud system supports Chinese and English and Spanish, if user requires the other language, just add the new language package into system. User can switch the language on the top-right corner.

User can also change the language after login.

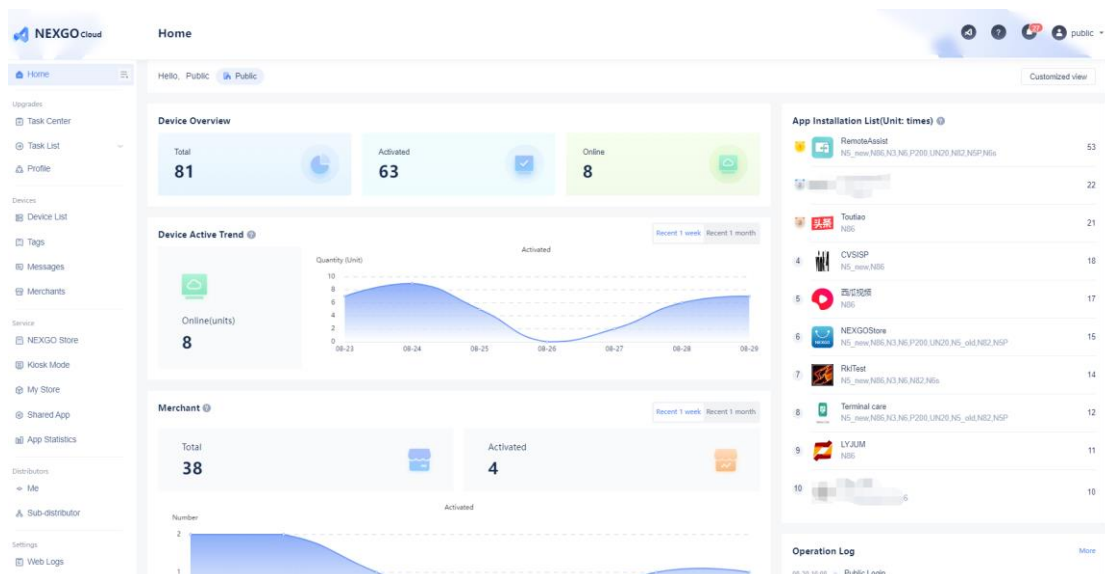


Home

After login, system will forward to Home, user can check the statistics information.

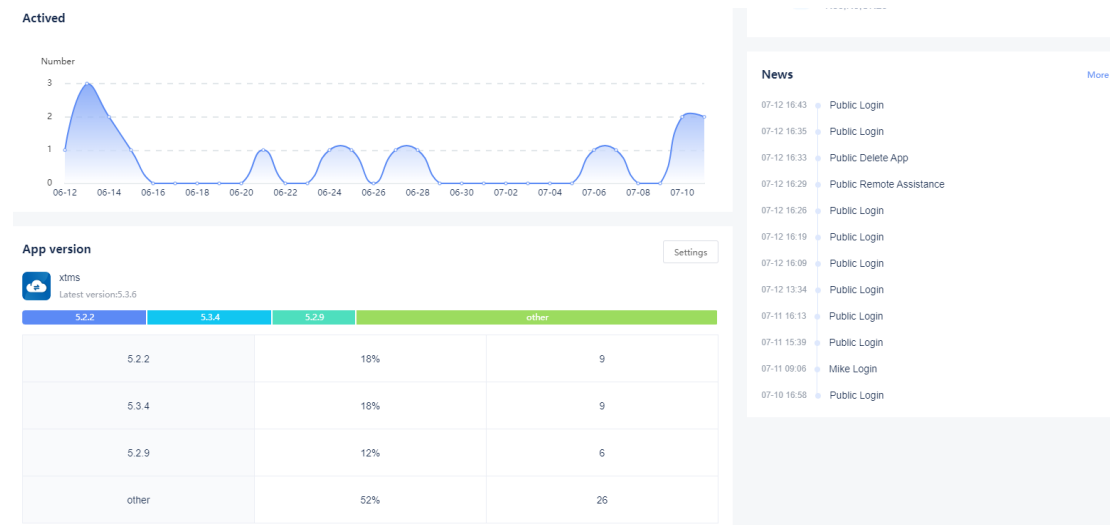
Firstly, user can check the overviews of device/merchant status, contains the number of total/activated/online.

On home page, also displaying the trend of devices/merchants activated number for recent 1 week or 1 month. What's more, user can view the version distribution of an application.

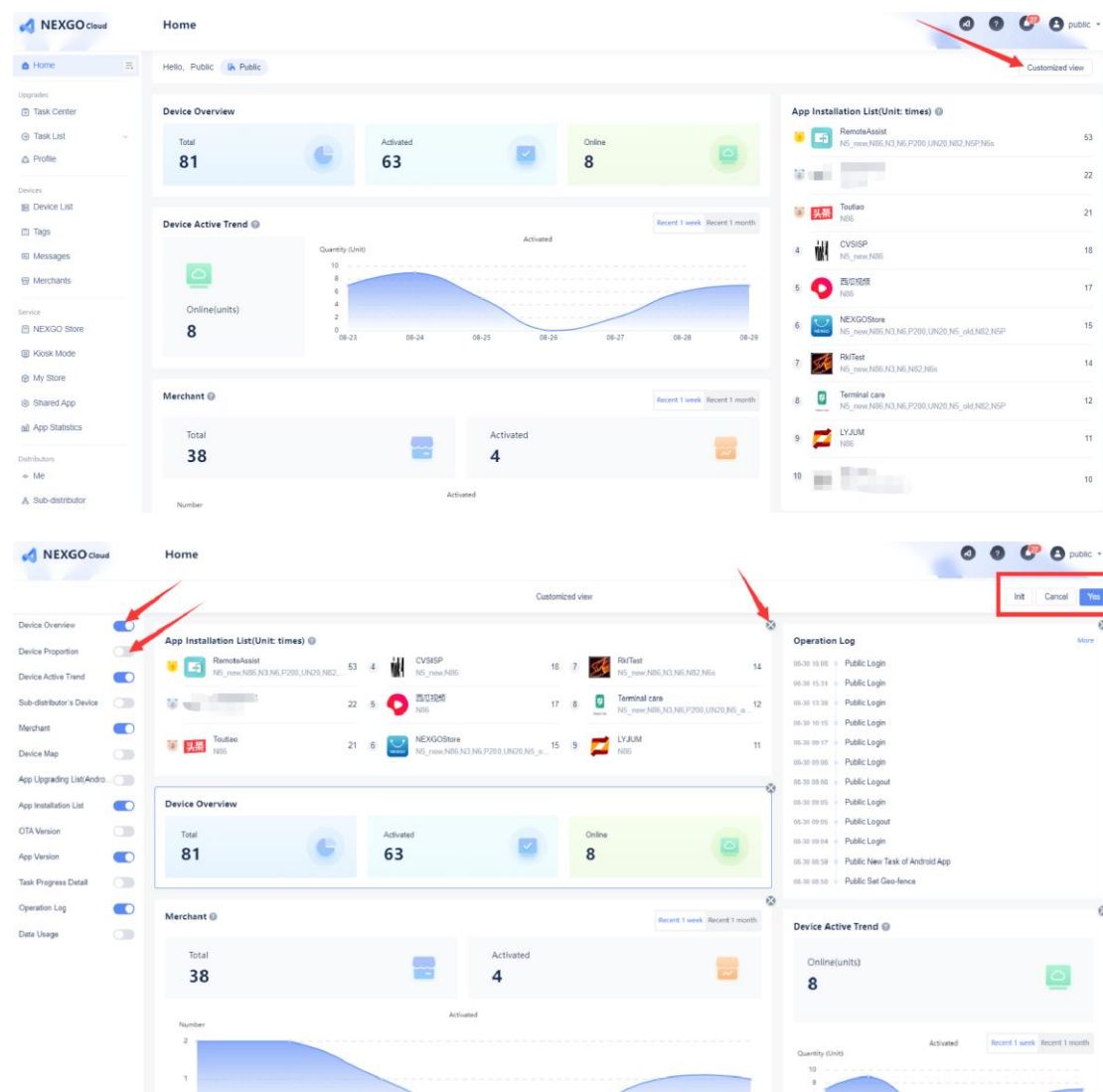


On the right part, user can see the ranking list of app installations, including the

app package name and version information.



In addition, users can customize their homepage layout, add or delete cards at any time, or change the position of cards by dragging.



Account Center

User can edit account, modify password, manage the Dual-Auth and so on in this part.

Home

Hello, Public **Public**

Device counts

Total **79**

Activated **60**

Online **4**

Details

Online(units) **4**

Activated

Quantity (Unit)

Recent 1 week Recent 1 month

Merchant

Recent 1 week Recent 1 month

Total **30**

Activated **4**

App installation list

RemoteAssist
N5_new,N86,N3,N5,P200

Toutiao
N86 21times

CVSISP
N5_new,N86 18times

西瓜视频
N86 17times

RikTest
N5_new,N86,N3,N5,N82,N6s 14times

NEXGOSTore
N5_new,N86,N3,N5,P200,UN20,N5_old,N82,N5P 12times

Terminal care
N5_new,N86,N3,N5,P200,UN20,N5_old,N82,N5P 11times

LYJUM
N86 9times

RiKL
N86,N6,UN20 9times

Hello, Public, welcome to Account Center! **Logout**

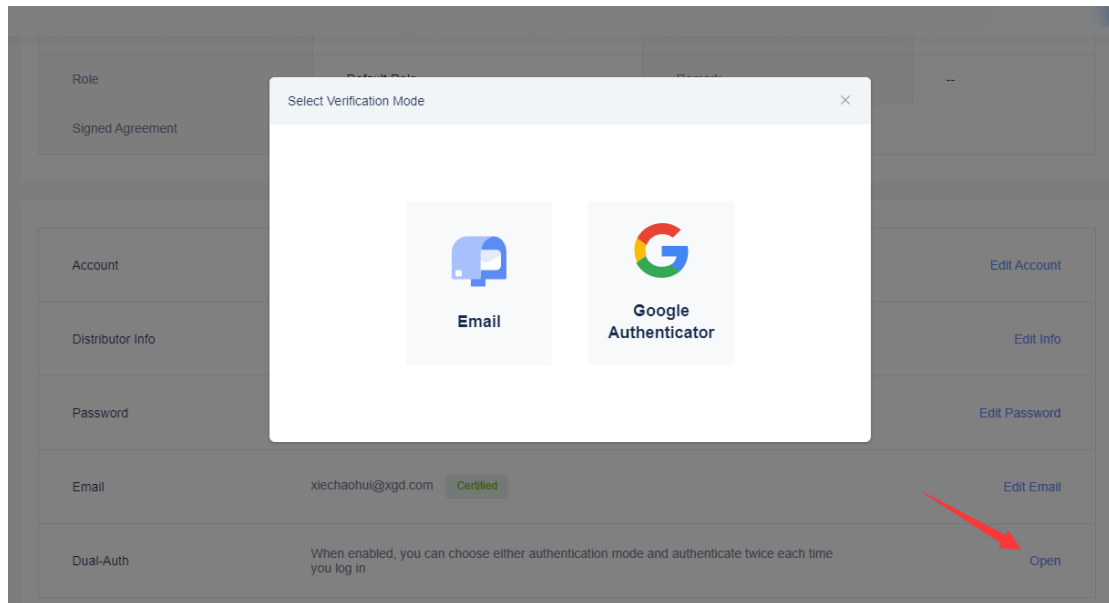
Profile

Name	Public	Phone	--
Role	Default Role	Remark	--
Signed Agreement	NEXGO CLOUD Terms of Use, Privacy Policy, Cookies Policy View Details		

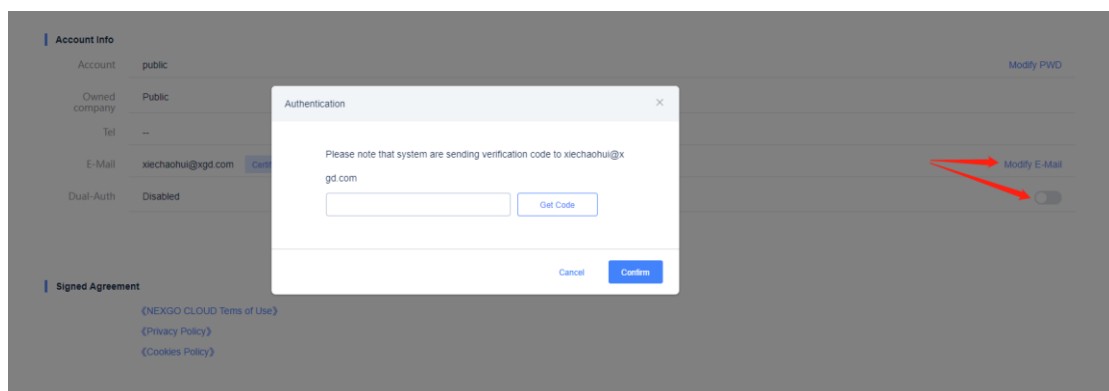
Account

Account	public	Edit Account
Distributor Info	Public(Public), CHINA(UTC+08:00) Beijing, Chongqing, Hong Kong, Urumqi	Edit Info
Password	Valid until 2023-06-12	Edit Password
Email	xiechaohui@xgd.com Certified	Edit Email
Dual-Auth	When enabled, you can choose either authentication mode and authenticate twice each time you log in	Open

Among them, Dual-Auth includes two methods: Email and Google Authenticator, and users can choose one of them for authentication.



When user want to change the status or email address for Dual-Auth, system will send code for verification.



Distributors (how to manage distributors/accounts?)

In this part, user can manage all distributor information, including himself and sub-distributors.

Some of customers are the PSP Company, they provide devices and service for their client, such as the banks, and sometimes the banks want to manage their devices by themselves. In this system, PSP Company can create distributor for the bank, and provide service for the bank.

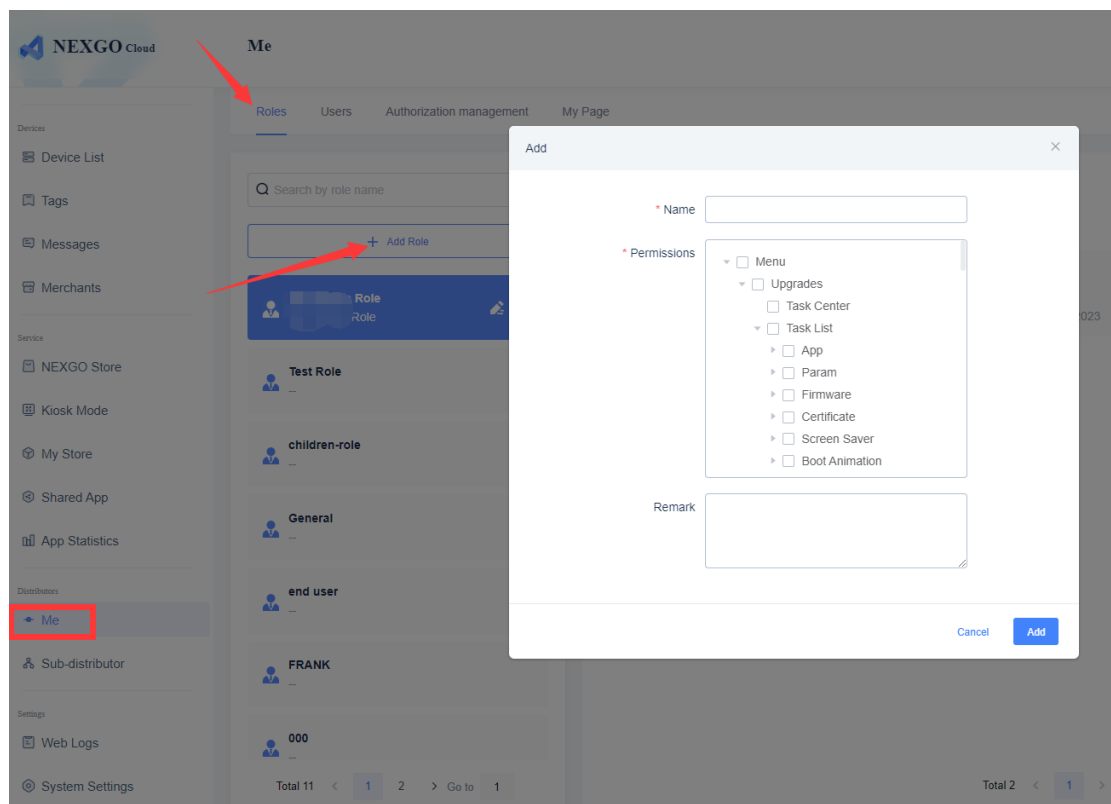
Me

User can manage the roles/ordinary users/authorization to parent distributors /basic information in this distributor.

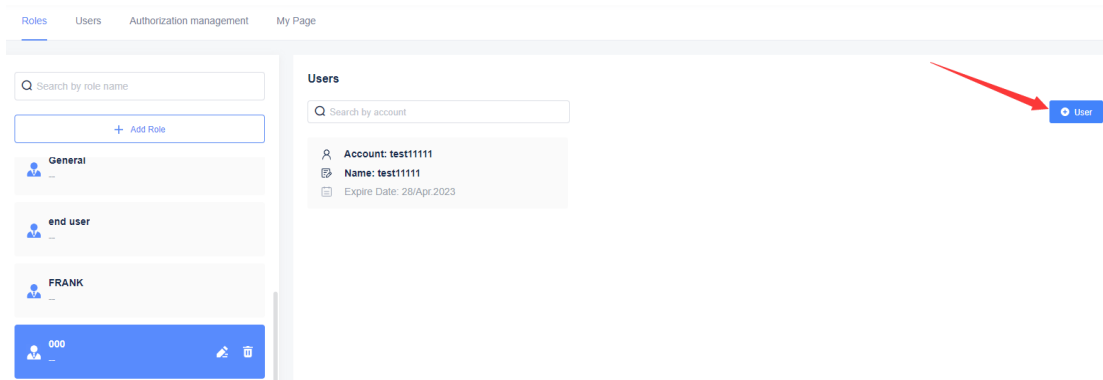
Role

The permission design of NEXGO Cloud System is based on the RBAC. User should check the menus when creating new role, besides, the action rights is extended in this system, which means the user can set the rights of button/link/... in each page.

Only the major account can manage the roles for the belonged distributor.

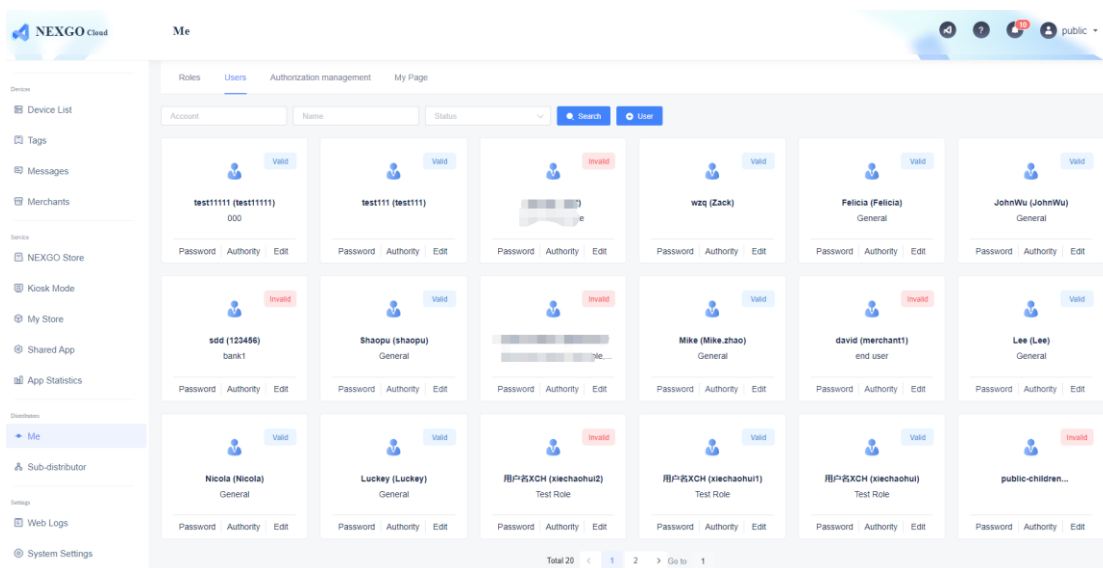


After chose a role, user can assign this role permission to users.



User

For each distributor, there are two kinds of accounts: the unique **major account** and **ordinary account**. Major account is created/managed by the parent distributor, ordinary accounts are created/managed by the major account, and ordinary accounts cannot create/manage other accounts.

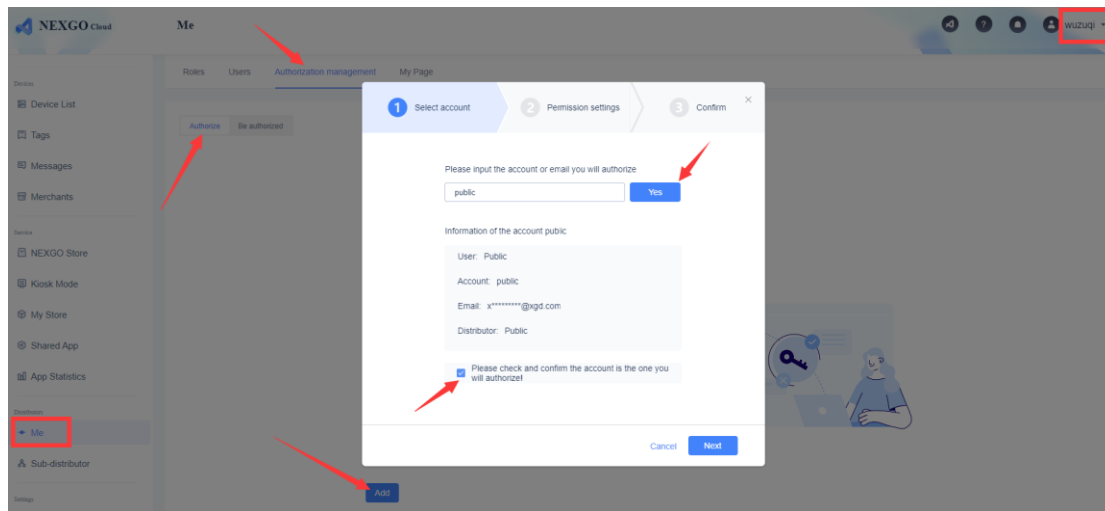


Major account can reset password/set permission/edit basic information for the ordinary accounts.

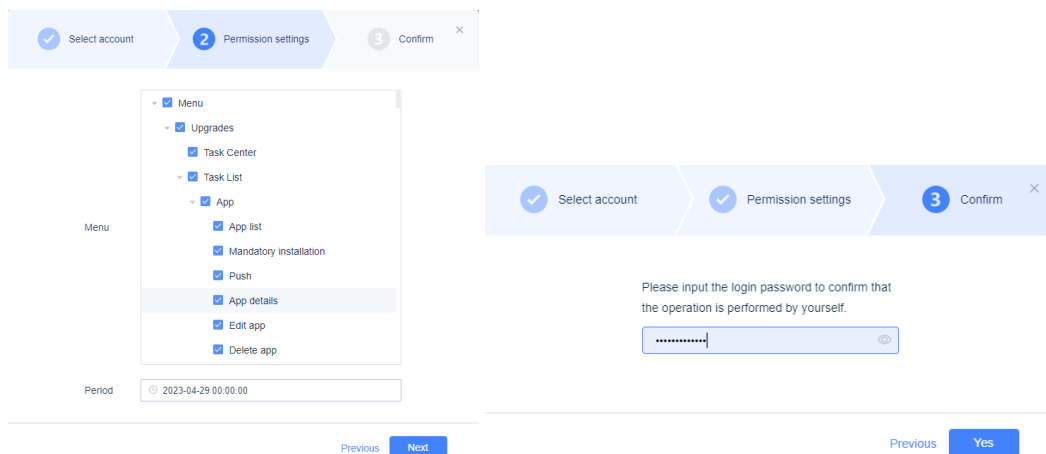
Authorization Management

Sometimes, as distributors, they want their parent distributors to be able to manage their devices across level. This part implements the function of cross level management.

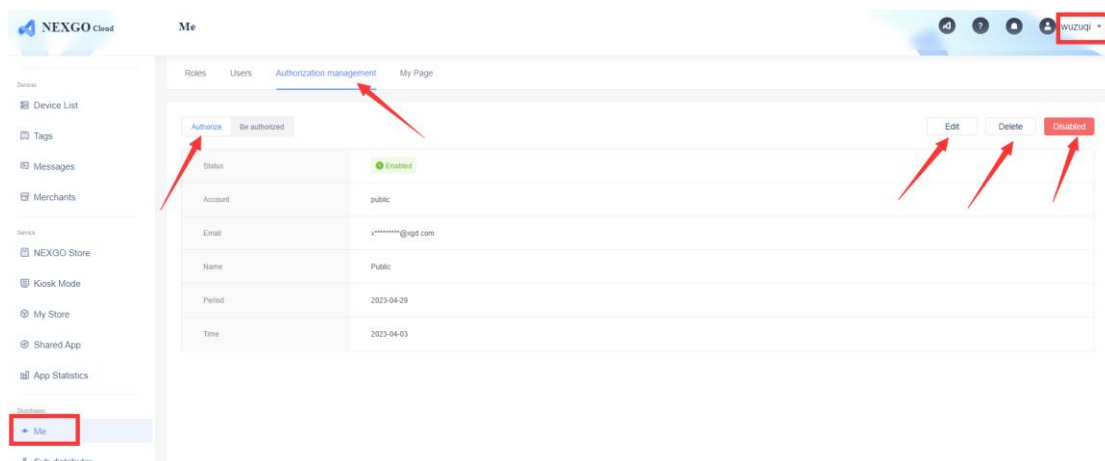
However, users need to authorize the parent distributor in the sub-distributor. First, fill in the account or email they will authorize.



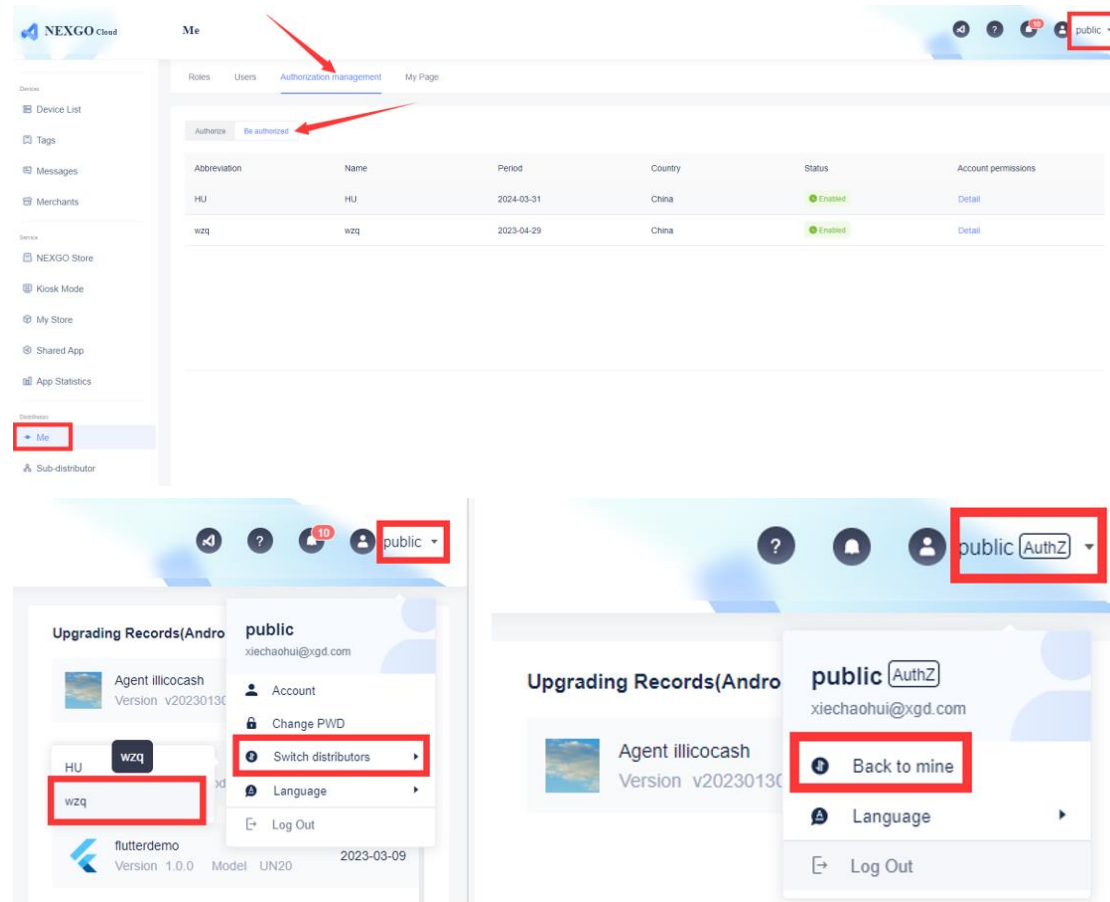
Then, assign the permissions menu, select the authorization period and input the login password to confirm.



Finally, users can edit/delete/disabled the authorization.

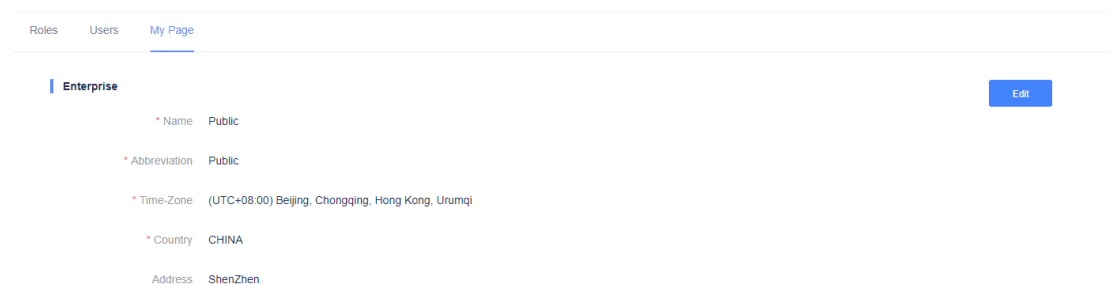


In addition, the parent distributor can check the basic information of the authorization and switch to the sub-distributor to manage their devices, and then also quickly switch back.



My Page

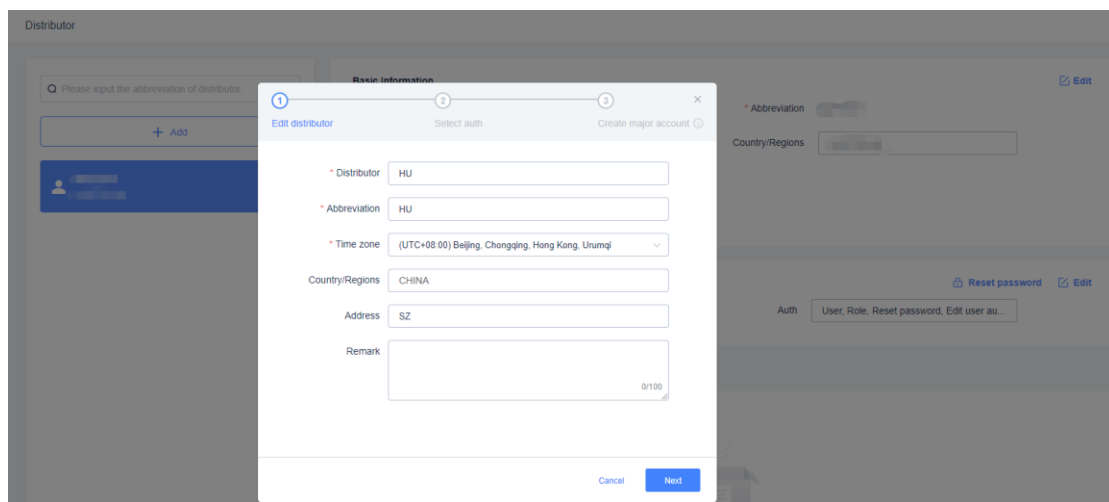
In this part, user can manage the basic information here, such as country/time zone/detail address etc.



Sub-Distributor

Please set the correct time zone & country/region for the new distributor, because it will decide some settings for the new distributor, such as the Amap or Google map.

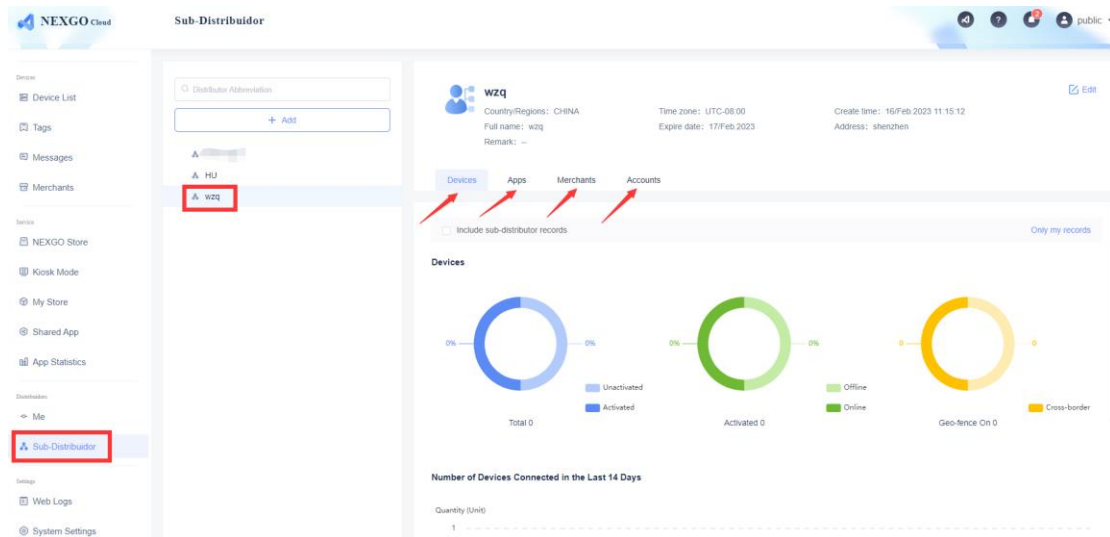
When creating sub-distributor, the major account for this sub-distributor needs to be created at the same time, and user should set the permissions for the major account.

The image shows a web application interface for managing distributors. A modal window titled 'Basic Information' is open, showing a form for creating a new distributor. The form has three tabs: 'Edit distributor' (selected), 'Select auth', and 'Create major account'. The form fields include: 'Distributor' (text input with value 'HU'), 'Abbreviation' (text input with value 'HU'), 'Time zone' (dropdown menu with value '(UTC+08:00) Beijing, Chongqing, Hong Kong, Urumqi'), 'Country/Regions' (text input with value 'CHINA'), 'Address' (text input with value 'SZ'), and 'Remark' (text area). There are 'Cancel' and 'Next' buttons at the bottom right of the modal. The background shows a blurred view of the distributor management page with a search bar and a list of distributors.

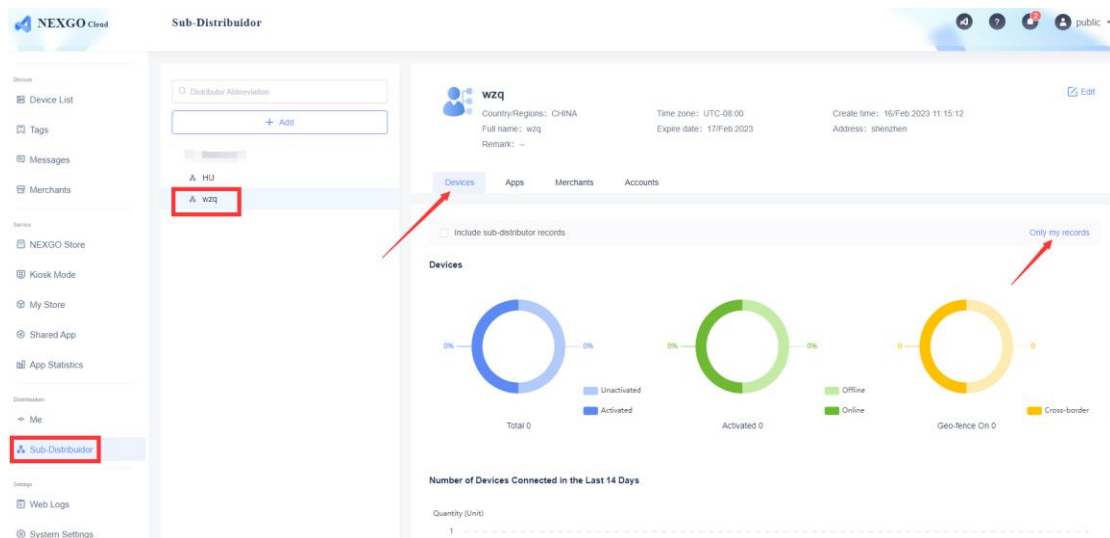
Notice:

The data of each distributor is independence, which means each distributor cannot see any data of other distributors, but the parent distributor can know the usage of sub-distributor.

For more convenient management of distributors and their user accounts, system provides another way to display the contents. Parent distributor can search/add sub-distributor in the left of page, after clicked the distributor bar, system will search out the sub-distributor details, which contains the devices/apps/merchants/accounts information.




User can check statistics and details of the devices.




Device details
×

Search
Export

SN	Create time	Active time	Last online time	Merchant	Address
<div>  <p>No data</p> </div>					

User can also check all applications in the private market and their details of download and installation.




wzq
Edit

Country/Regions: CHINA
Full name: wzq
Remark: --

Time zone: UTC-08:00
Expire date: 17/Feb.2023

Create time: 16/Feb.2023 11:15:12
Address: shenzhen


Devices
Apps
Merchants
Accounts

	xtms Package Name : com.nexgo.xtms	5.2.9 Version	3.71MB Size	Nexgo App Source	Tools Type	Free Charge Type	0 Cumulative Downloads	0 Current Installs
	RemoteAssist Package Name : com.xgd.remotecontrol	1.1.4 Version	15.83MB Size	Nexgo App Source	Tools Type	Free Charge Type	0 Cumulative Downloads	0 Current Installs

Installation details
×

Totally 0 units installed xtms

All
Search
Export

SN	Install time	Version	Install type
<div>  <p>No data</p> </div>			

In addition, merchant information is available to parent distributor.


wzq [Edit](#)

Country/Regions: CHINA Time zone: UTC-08:00 Create time: 16/Feb.2023 11:15:12
 Full name: wzq Expire date: 17/Feb.2023 Address: shenzhen
 Remark: --

Devices Apps **Merchants** Accounts

No.	Merchant name	Address	Device
1000000001112222	wzq	--	0
1000000000111111	Wu-Test	--	0

Base records ×

TID	SN	Bind time	Status
 No data			

Major account information and general account information can also be viewed, and user can reset password/edit permission for the major account.

HU [Edit](#)

Country/Regions: CHINA Time zone: UTC+08:00 Create time: 6/Aug.2021 17:18:54
 Full name: HU Expire date: 31/Dec.2099 Address: SZ
 Remark: --

Devices Apps Merchants **Accounts**

Major Account [Edit Auth](#) [Reset password](#) [Edit](#)

Account	Auth
hu	Menu, Service, App Statistics, Statistics detail...

Name HU Email hu@noemail10315.com

Phone number --

User

hu2 Invalid

- Account hu2
- Email hu2@noemail10315.com
- Phone number --
- Expire date 30/Sep.2022

hu1 Invalid

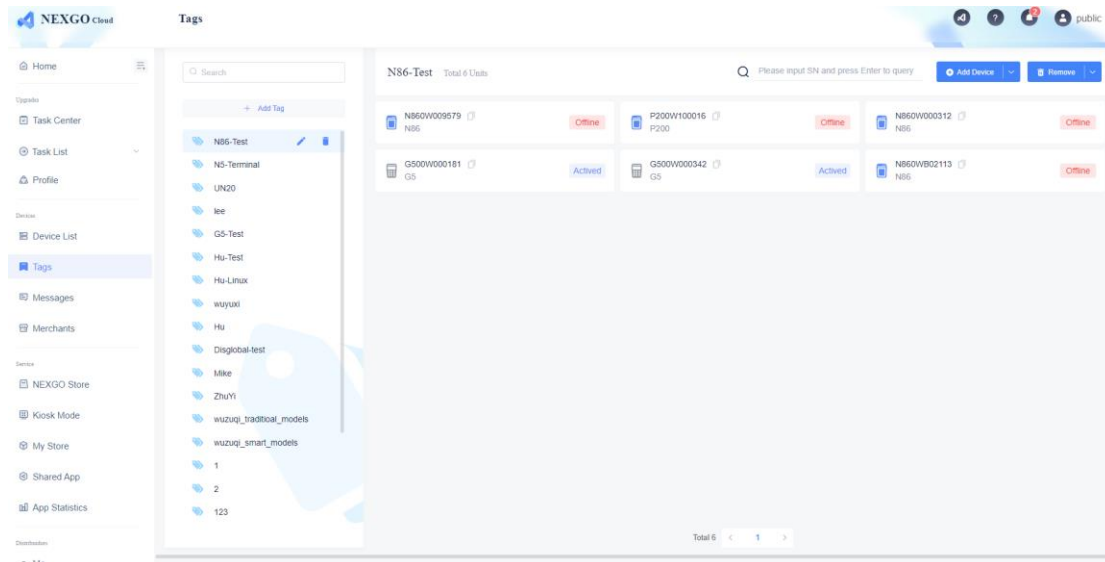
- Account hu1
- Email hu1@noemail10315.com
- Phone number --
- Expire date 30/Aug.2021

Total 2 < 1 >

Devices (how to manage devices?)

NEXGO suggests managing the devices with tag, customers can create tags as their wish.

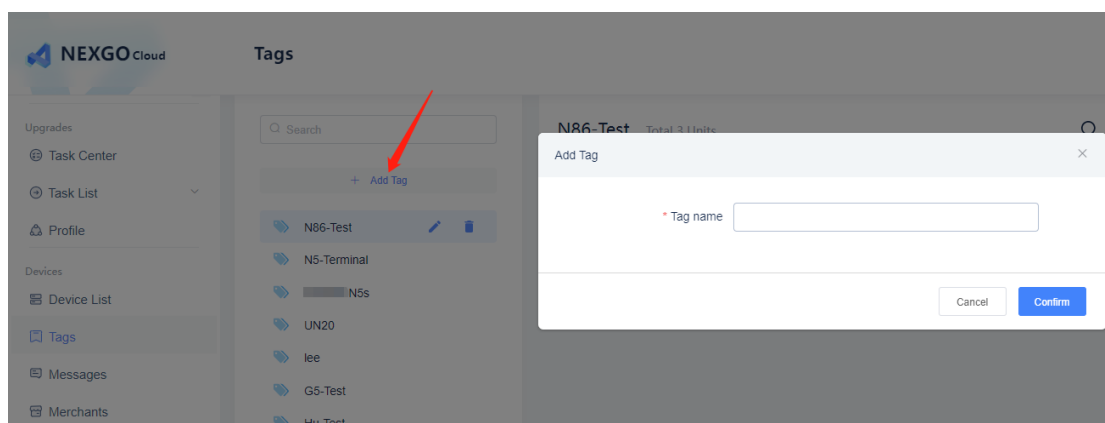
For example, customer-A wants to create the tag according to the device model, so he created N5/N3/N86 etc. but customer B wants to create tag according to their business partner, so he created Nike/Adidas/Columbia/ etc.



Tags

Add Tag

NEXGO team helps the customers to import the S/N, customers just need to login the website and manage their devices.

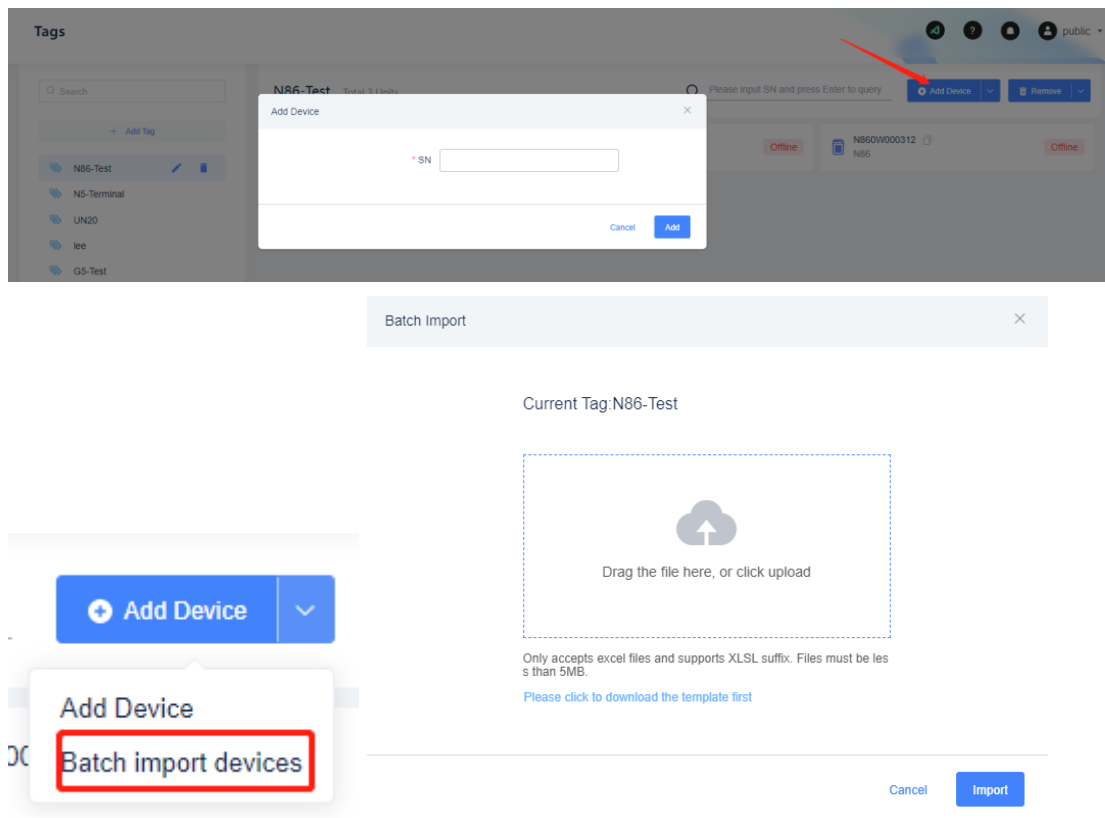


Add/Import SN into Tag

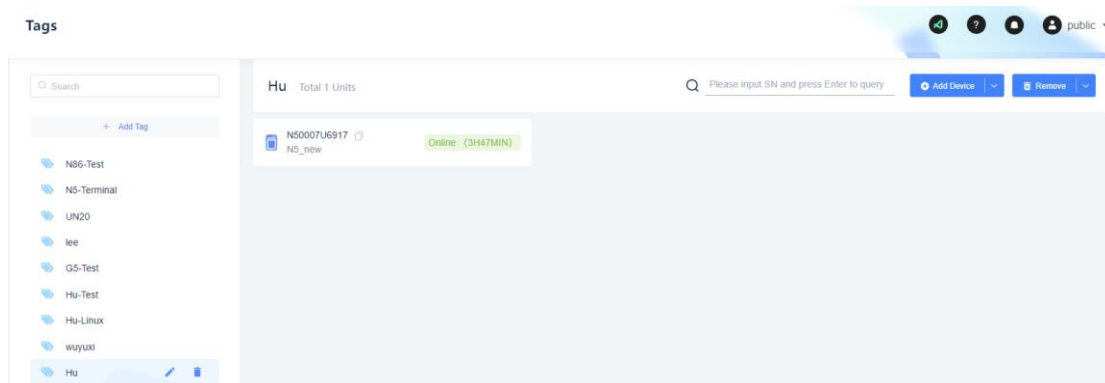
After created tag, user can add/import SN into the new tag.

User can add the S/N to new tag one by one, or import the Excel file for batch

operation. Please remember that download the template Excel firstly.

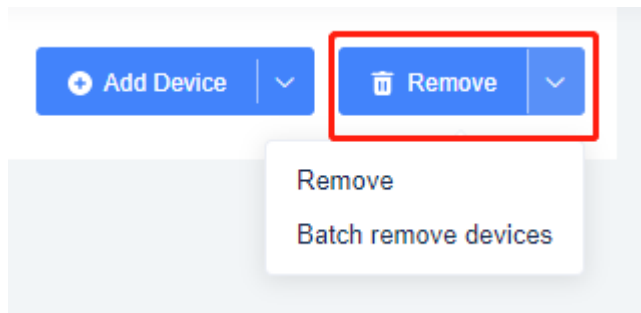


Lastly, click the button [Import] to save the changes, user can see the device list in this new tag.

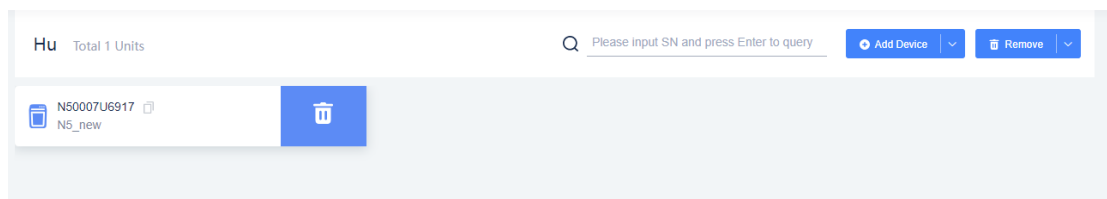


Remove SN from Tag

Besides of [Add Device] is [Remove], user can remove SNs from tag through this operation. The progress is similar with adding device, user can remove SN one by one, or remove batch of devices through importing Excel.

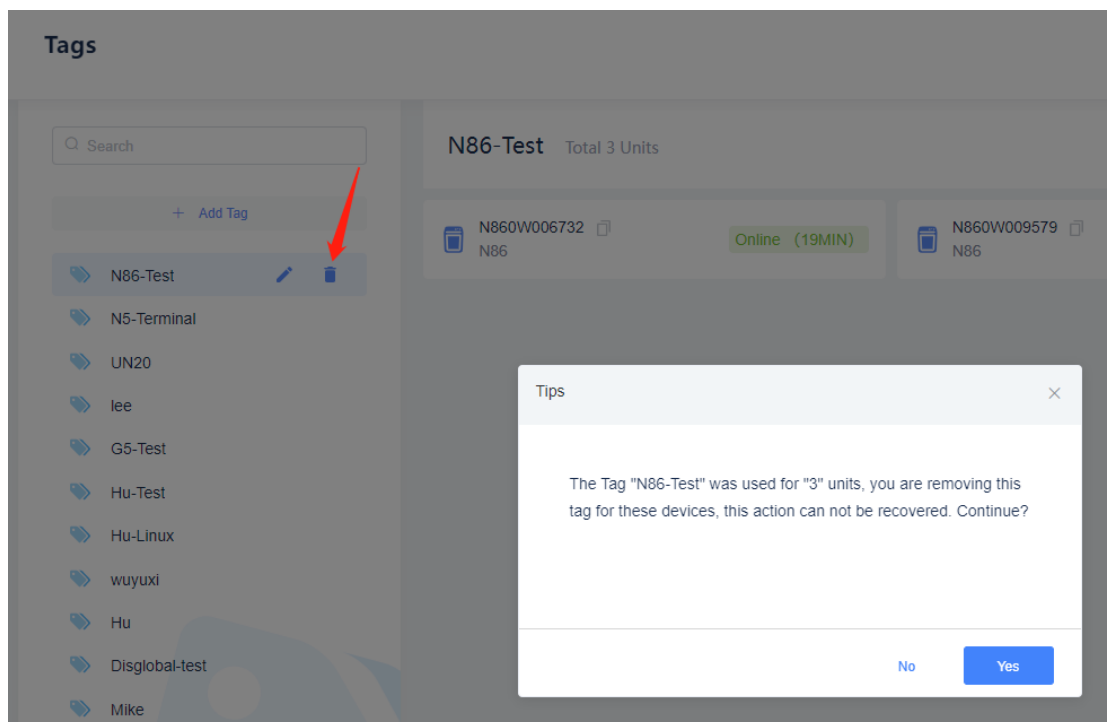


When moving the mouse to the SN card, system will display the button of [Delete], user can remove it from tag directly.



Delete Tag

User can delete tag by clicking the symbol of trash box. When the tag is chosen by the profile and the status of profile is processing, it could not be deleted, user should go to profile and stop the profile firstly, then user can delete the tag. After deleted tag, it would be removed from the devices at the same time.



Device List

User can manage/check the devices in this module. Basically, system will display the device list and some simple statistics data, such as total/active/online units.

User can filter by device status/model type/device model and tags.

Description of tag condition:

- Union: devices have any one of chosen tags.
- Intersection: devices have all of chosen tags at the same time.

Device List

Status: **All** Online Offline Activated Inactive

Type: **All** Android POS Linux POS

Model: **All** N5_new N86 N3 P200 UN20 N5_old N82 G5

Tag: **All** No Tag Specific Tags

Total: 48 Active: 40 Offline: 4

Export devices

SN	Type	Model	Active time	Status	Merchant	Tag
N860W026824	Android POS	N86	29/Mar/2022 16:12:07	Online [2MIN]	--	--
UN20W000424	Android POS	UN20	13/Jan/2023 16:19:54	Online [3H32MIN]	--	--
UN20W000033	Android POS	UN20	14/Feb/2023 09:29:58	Online [1H14MIN]	--	--
N860W032259	Android POS	N86	18/Jul/2022 10:55:28	Online [1MIN]	test_7_18	wszsq_smart_models
K3000700024	Linux POS	K300	7/Jul/2022 10:33:52	Activated	disglobal-test	Disglobal-test
G2R0W306700	Linux POS	G2-4G	7/Jul/2022 15:06:24	Activated	disglobal-test	Disglobal-test
P200W100016	Android POS	P200	20/Aug/2021 15:25:57	Offline	--	N86-Test 1 2
N300W113506	Android POS	N3	3/Nov/2021 10:57:27	Offline	--	--
N500S000020	Android POS	N5_new	7/Dec/2020 11:13:00	Offline	--	TESTSTEP

Device Software Export

User can export the device software after filter by conditions. System will generate Excel file which including the firmware and application information, and separate them into two different sheets.

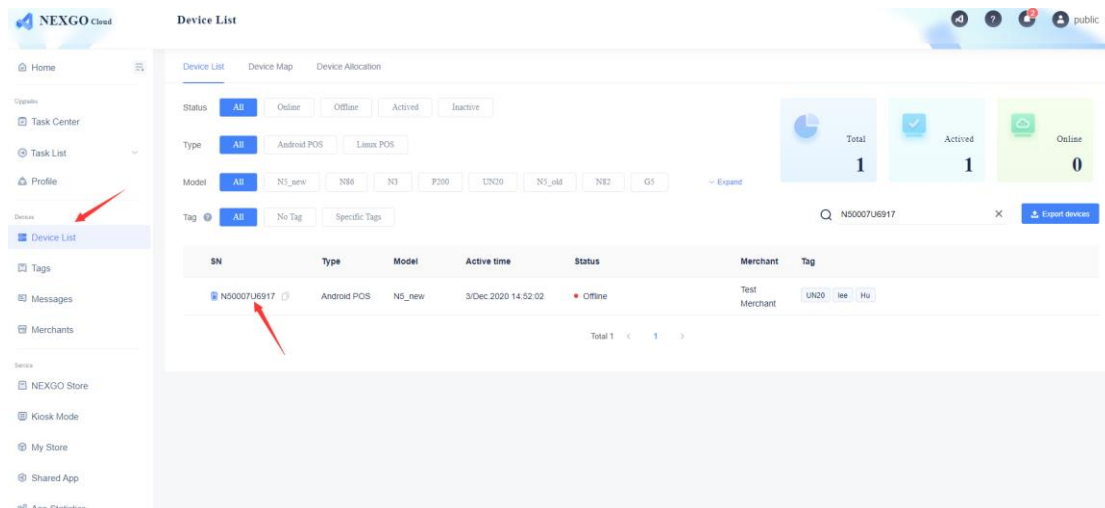
Sn	ModelName	DeviceStatus	FirmwareVersion	XmasVersion	ActiveTime	LatestOnlineTime	Merchant
N50007U6917	N5_new	Online	vi.4.1_GFS000002	525	2020/12/03 02:52	2022/09/26 10:51	Test Merchant

SN	App Name	App PackageName	Version
N50007U6917	NexViewer	com.xgd.remotecontroln5s	1.1.1
N50007U6917	AppStore	com.nexgo.tmsappstore	1.1

Device Management

Choose the tag and click the device card on the right part, or click the SN in the device list, user can manage the specific device.

User can copy the SN by clicking the button besides SN.



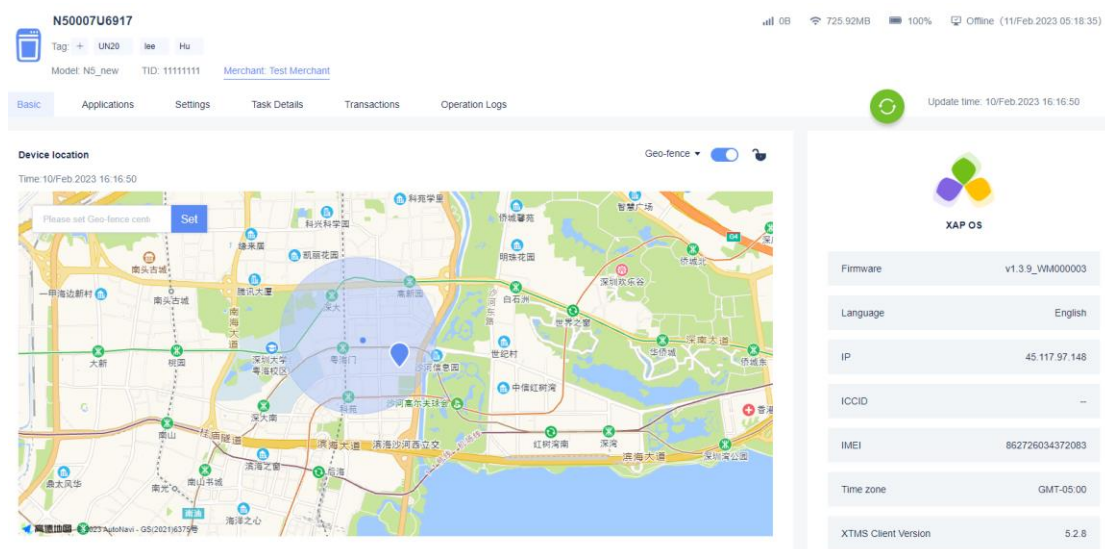
GEO-Fence (Android Only)

Note: Please enable location service in [System Settings] if needed.

User can check and configure the device in this page.

When enter the details page, user can check the basic information, such as firmware version, device language, device IP, battery, data flow and so on.

User also can click the green refresh button to inform the device to upload information immediately.



In the center of the basic tab is the device location based on Amap. User can set the Geo-fence or set device lock on the top-right corner of map.

When setting Geo-fence, user can set the valid radius and the interval time for

locate, user also need to set the rule for cross the Geo-fence devices, NEXGO Cloud system supports locking device or sending notification email when cross the Geo-fence.

Note: the rule for cross the Geo-fence device is working for all the devices for the current distributor.

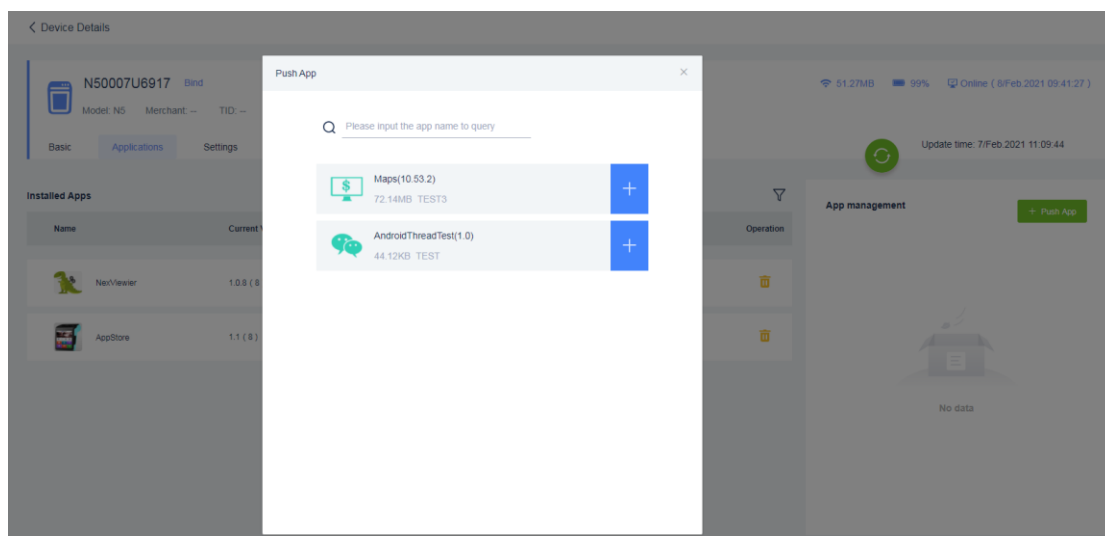
Locking Device (Android Only)

In some cases, the device has to be stopped for using, for example, the device is stolen, user can lock the device immediately, and let the device display the reason for locking.

After the device is manually locked, it can only unlock by manual, which means only the system operator can unlock it.

Device Applications

In the tab [Application], user also can check the applications which installed in this device, and push/uninstall the applications to this device.

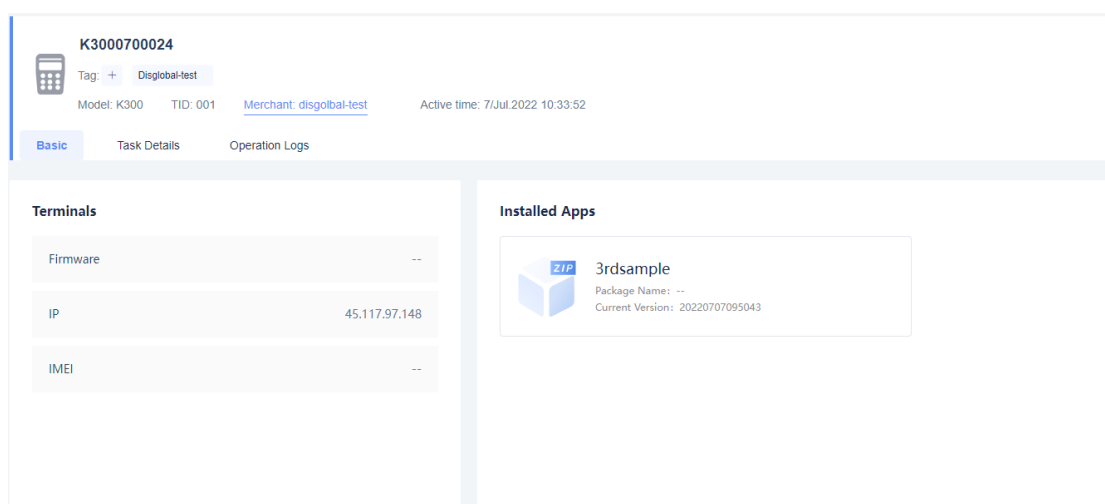


System recorded the installation and uninstallation history for this device.

Operating history

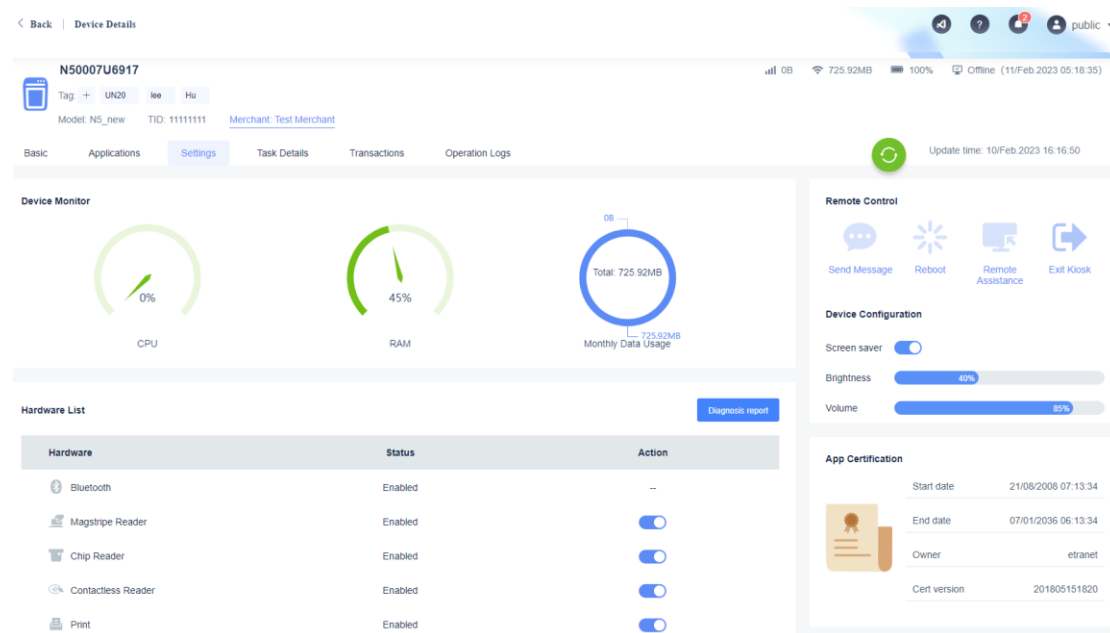
2021/02/02	09:59:03	AndroidThreadTest 1.0(1)	Installed
	10:00:45	AndroidThreadTest	Uninstalled
2021/01/12			
2021/01/06			
2020/12/22			
2020/12/03			

For Linux devices, user can not push app to device in this menu, because there is no MQTT connection for Linux device.

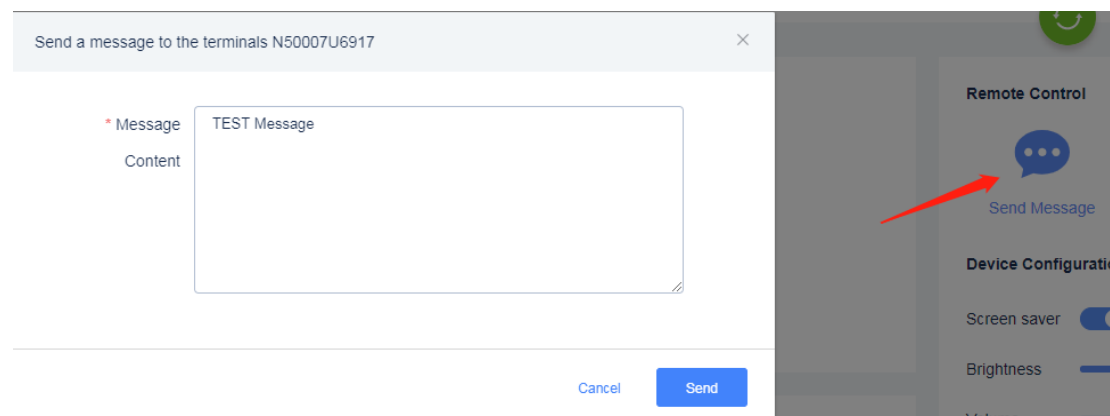


Device Settings (Android Only)

It displays the device performance in the tab [Settings]. More, user can operate some modules of the device in real time, such as switch on/off the card-readers/printer/screen saver.



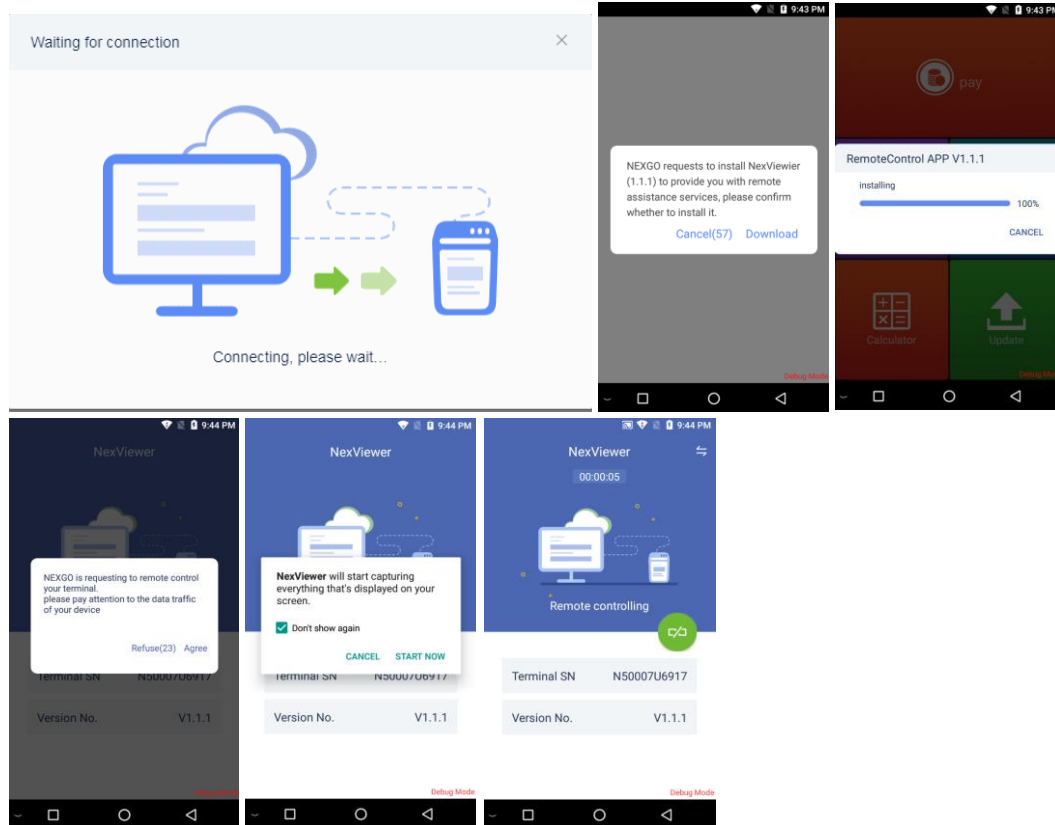
User can send message to this device in real-time, the device will display the message immediately.



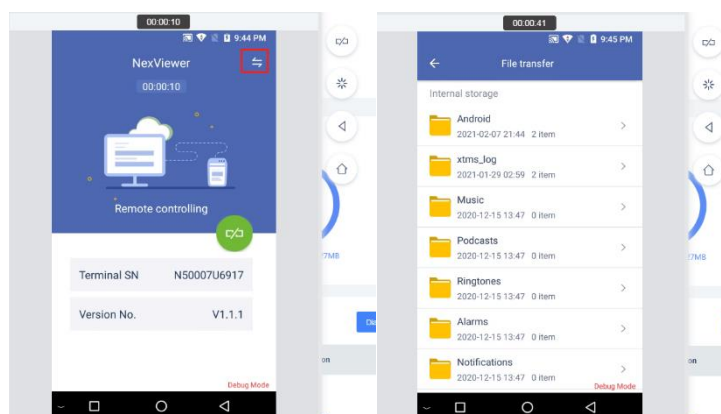
Remote Assistance (Android Only)

In some cases, the post-sale engineer should help the merchant to check/fix issue on the device. In the past, they had to go to the location of the merchant, to check the devices. Now, NEXGO Cloud system provides the remote assistance, it can

build the connection between the device and Cloud system, project the device screen content to the system webpage, the operation on the webpage is working to the connected device. Of course, before the connecting, the merchant should accept the remote connection, if the client app for remote assistance is not installed, device will request the installation firstly.



In addition to remotely operating the device, users can also upload certain files to the system, such as the logs, pictures etc.



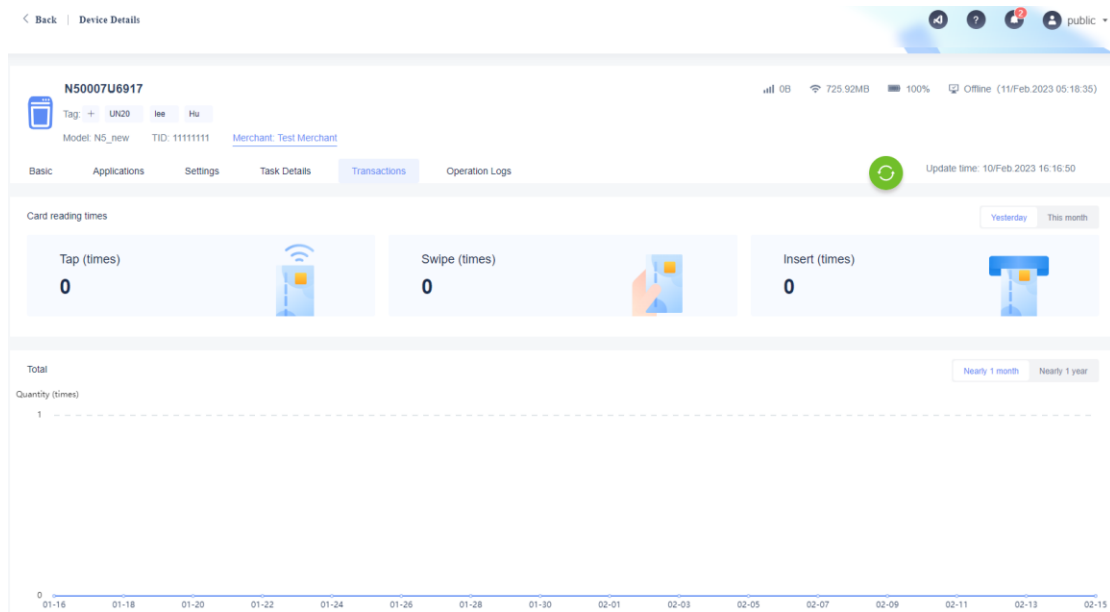
Device Tasks

Generally, there are batch of upgrading tasks for each device, such as OTA/APP/Parameter/Certificate/Boot Animation/Screen Saver etc. user can get all of the tasks in the tab of [Task Details].

For Linux devices, there are no Cert/Boot Animation/Screen saver tasks, and only App/Param/OTA(Firmware) tasks.

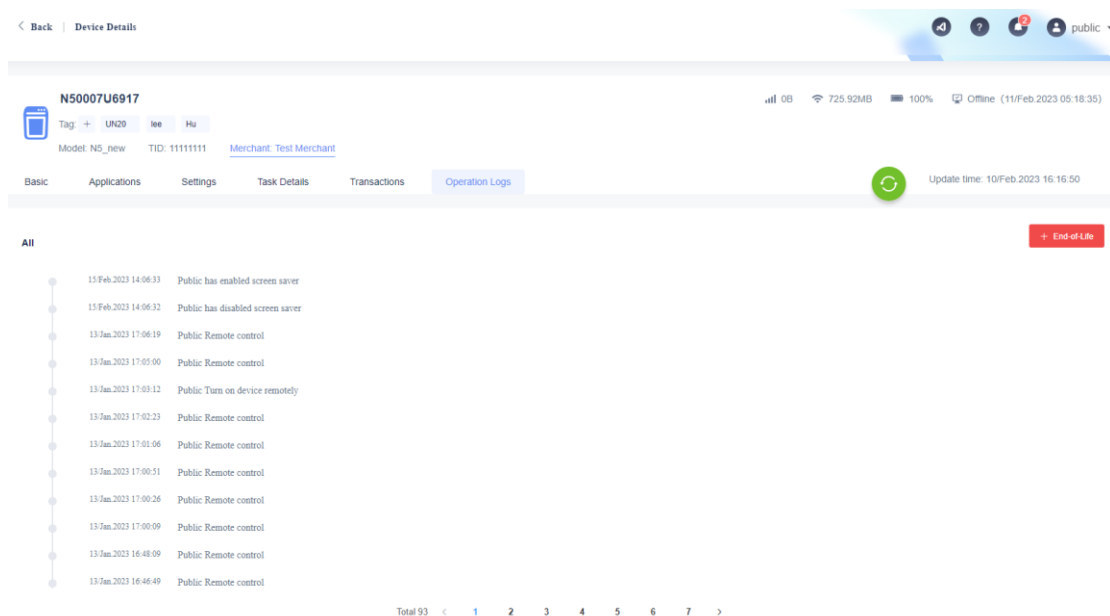
Device Transactions (Android Only)

User can check the device transactions, which shows the number of tapping, swiping and inserting of the device yesterday or this month, as well as the statistics of the number of transactions in the previous month/year.



Device Operation Logs

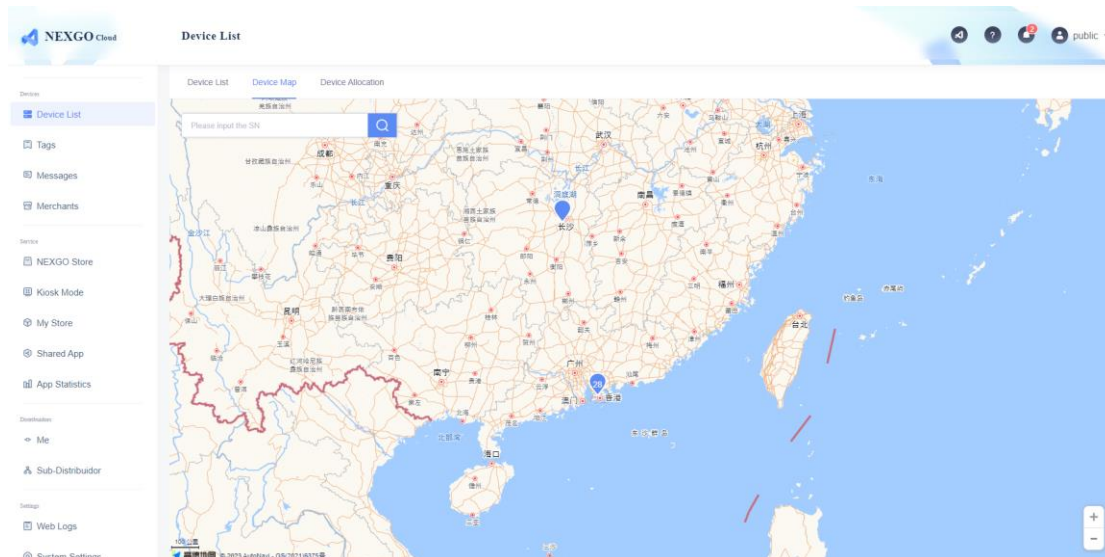
User can also check the device logs, which contains the operation history. User can check some brief records here, such as NEXGO Send message: 1111 (someone did what on sometime).



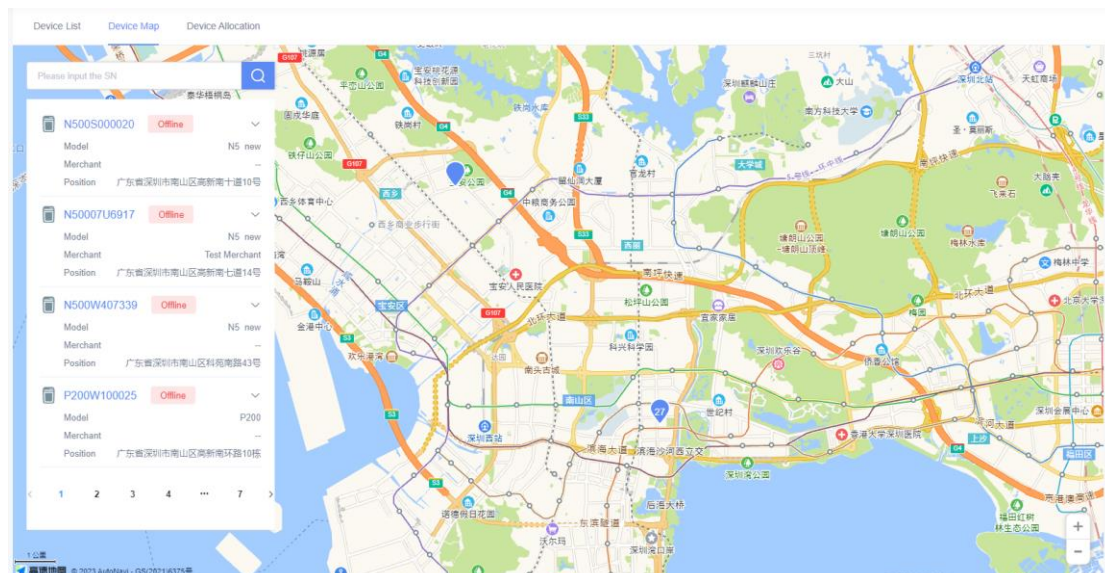
If the device is missed, user can add [End-of-Life] status for the device. For now, the functions are the same even after set the end-of-life status.

Device Map (Android Only)

User can see the location distribution of all devices in this menu, if there are multiple devices in one location, it will display the counts of that location. User can zoom in or out to check the distribution details.



When the certain device position is clicked, system will display the device S/N with the modules status (card-readers/printer/Bluetooth), this status means the application can open/close the module from SDK.



Device Allocation

When exists sub-distributors in system, user need to allocate the device to them,

user also can allocate the devices to the parent-distributor. System provides the batch allocation with Excel.

Device List

Device List Device Map Device Allocation

Allocation path: All — All Search Transfer

Path	Allocation time
Receive from [NEXGO]	26/Sep.2022 11:27:29
Transfer to [NEXGO]	22/Aug.2022 10:47:58
Transfer to [NEXGO]	9/Aug.2022 17:09:48
Receive from [NEXGO]	26/Apr.2022 09:12:57
Receive from [NEXGO]	2/Mar.2022 16:12:27
Receive from [NEXGO]	8/Dec.2021 10:48:48
Receive from [NEXGO]	8/Dec.2021 10:39:45
Receive from [NEXGO]	19/Oct.2021 09:34:02
Transfer to [NEXGO]	13/Oct.2021 22:19:22
Transfer to [NEXGO]	13/Oct.2021 22:11:31

Machine transfer

* Receiving company Distributor Abbreviation

Input SN then press Enter to add

Serial	SN	Status
No data		

Total: 0 Adjustable: 0 Non-adjustable: 0

Cancel Transfer

Machine transfer

* Receiving company Distributor Abbreviation

Input SN then press Enter to add

Serial	SN	Status
No data		

Total: 0 Adjustable: 0 Non-adjustable: 0

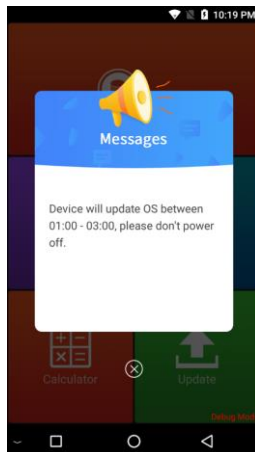
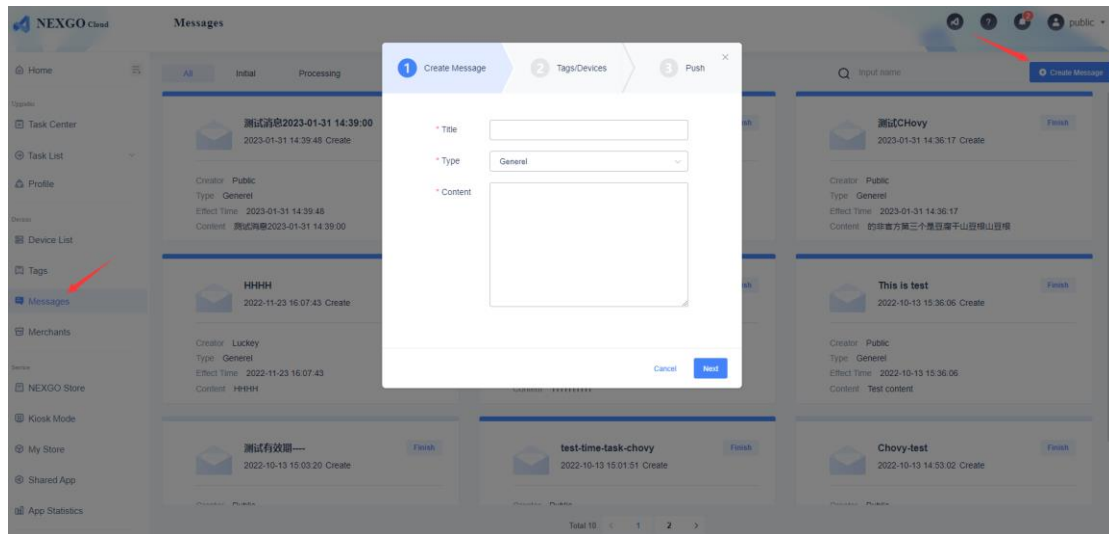
Cancel Transfer

Download the template
Batch import

Messages

In some cases, such as OTA upgrading, user maybe want to push message to multiple devices. User can create new message and choose the tags to achieve it. The devices which own the chosen tags will get the message immediately (only working for Android devices). The Android devices will get and display the sent message in

the valid period. If the device is power off when message pushing, it will access to Nexgo Cloud when power on and get the scheduled message.



Merchants

In this part, user can manage the merchants and terminal. In fact, the merchant and terminal information comes from the payment system, such as MID/TID. User can import batch data with Excel file.

MID	Merchant Name	Contactor	TEL	City	Device Count
012345678945465	test_wu	—	—	—	0
135791	Jack	—	—	SZ	0
246810	Merry	—	—	SZ	0
254245	Jim	—	—	SZ	0
46556	test_T_18	—	—	—	1
disgoibal-test	disgoibal-test	—	—	—	5
m_id	test56	—	—	—	0
123456		—	—	—	0
00000000000039		—	—	—	0

User can filter by the merchant information, and export the merchant & terminal information (only the merchants which own terminal information will be exported).

A	B	C	D	E	F	G	H	I
Merchant No	Merchant Name	Contact Name	Contact Phone	Register Address	Address	Binding Group	Terminal No	Binding Sn
1000000000000001	Merchant Test 1	Hu	+86 18812345678	SZ		Merchant Test 1	10000001	N5000706917
1000000000000001	Merchant Test 1	Hu	+86 18812345678	SZ		Merchant Test 1	10000002	
1000000000000001	Merchant Test 1	Hu	+86 18812345678	SZ		Merchant Test 1	10000003	

Regarding the merchant & terminal parameters, system will download them to the matched devices by auto after modification.

Merchant

When adding the merchant information, user also can add the related TID (multiple).

If user wants to import batch of merchant information by Excel, NEXGO suggests getting the Excel template file at first, then fill the content and upload to system.

Add merchant

* MID

* Merchant name

Contact name

TEL + 86

Contact email

City

Postal Code

Register address

Address

Tax ID

TID End with semicolon

Cancel

Add

Batch Import

Please click to download the template first

Drag the file here, or click upload

Only accepts excel files and supports XLSL suffix. Files must be less than 5MB.

Cancel

Import

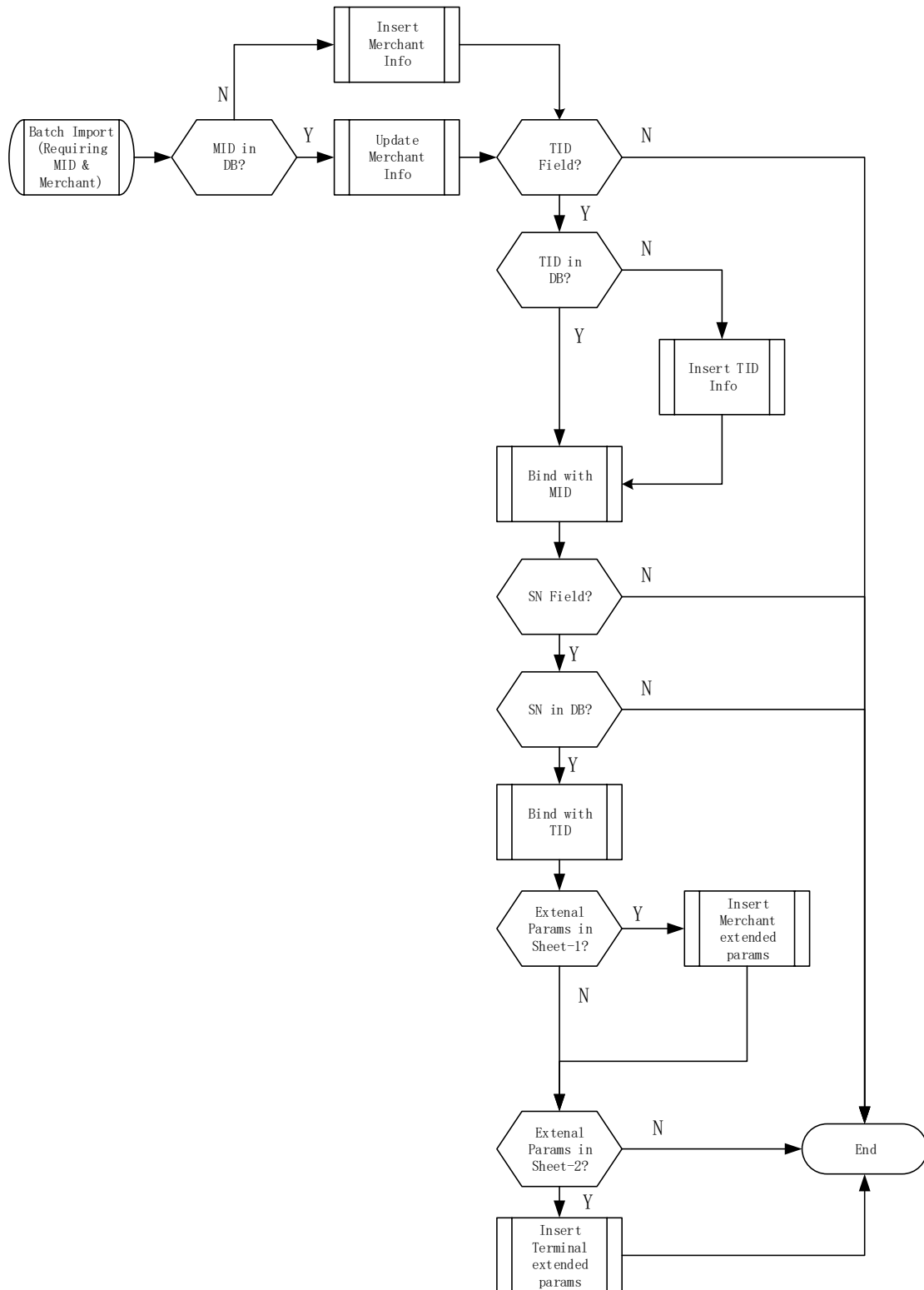
Below is the Excel template content and the logic for import.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	* MID	* Merchant name	Contact name	TEL.	Email	City	Post code	Register address	Address	Tax ID	Remark	TID	Binded SN	For External Params			
2																	
3																	
4																	

In above excel, if the columns are not empty from column “L”, the content will be imported as merchant extended params, the parameter key should be put in table header position (the gray line), please note that the extended param values should be matched with the MID.

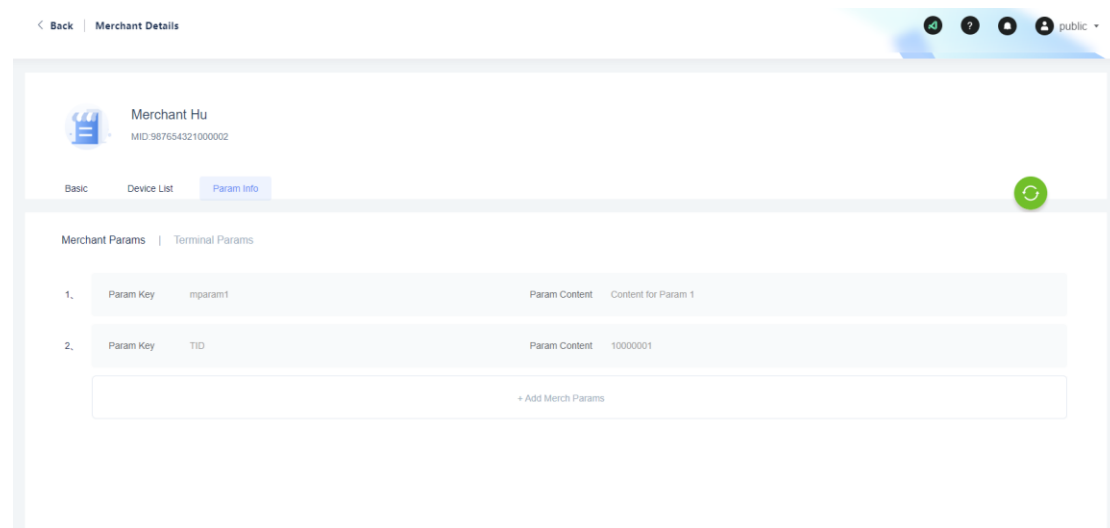
	A	B	C	D	E
1	* TID	For External			
2					
3					
4					

In above excel, if the columns are not empty from column “B”, the content will be imported as terminal extended params, the parameter key should be put in table header position (the gray line), please note that the extended param values should be matched with the TID.



The system supports users to add some merchant parameters. The merchant information and extended params will be downloaded to the POS device. Maximal 10 parameters can be added here, and for each parameter item, the max string length is 64 bits.

Note: When editing the extended params, the format is key-value (the 1st line is the key, the 2nd line is the value), and these params are downloaded to POS device with JSON format.

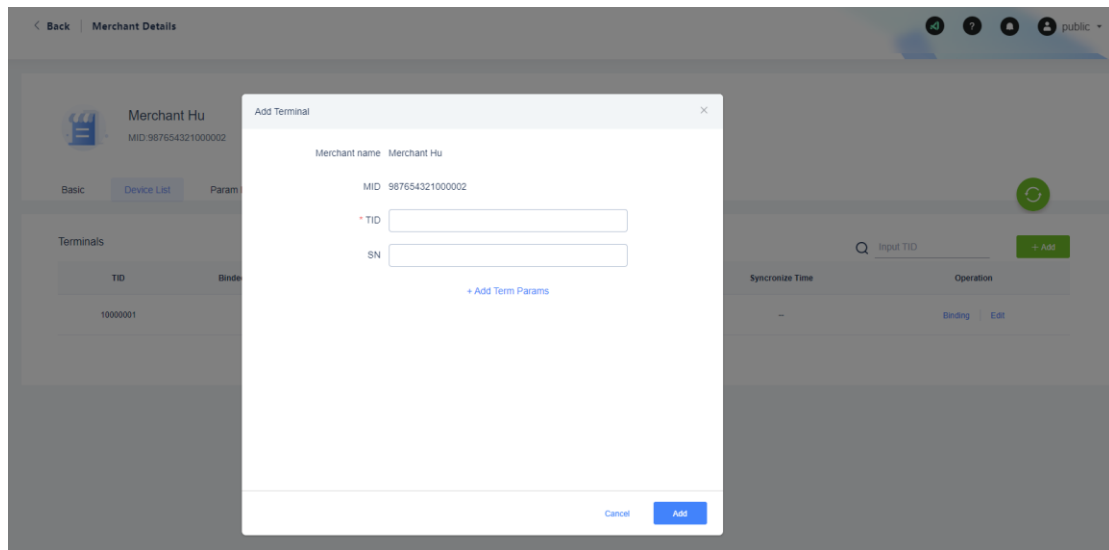


Terminal

Except the terminal importing with Excel, users also can add the terminals by manual in the merchant detail page.

It displays the terminal list on the right part page. If user filled the SN when adding the TID, they will be bound together after TID added.

Users also can add some extend parameter for the terminal, the TID and the extended params will be downloaded to the POS device. Maximal 10 parameters can be added here, and for each parameter item, the max string length is 64 bits.



Upgrades (how to manage Apps?)

There is 2 ways for pushing updates: general and profile.

General upgrades: the upgrading tasks in [Task List]. User can push software by tags/devices/imported excel file (please note the difference of tag intersection and tag union). It would be finish automatically when the progress is 100%, user can close the processing tasks by manual. When the task is finish/closed, no devices can get this update ever.

Profile upgrades: User can schedule upgrading with profile, profile means user can filter devices by tags/models/merchants, then bind with the Apps/Params and set effecting time for the profile. The devices (existing or new imported) which match the condition will get the Apps/Params in the profile.

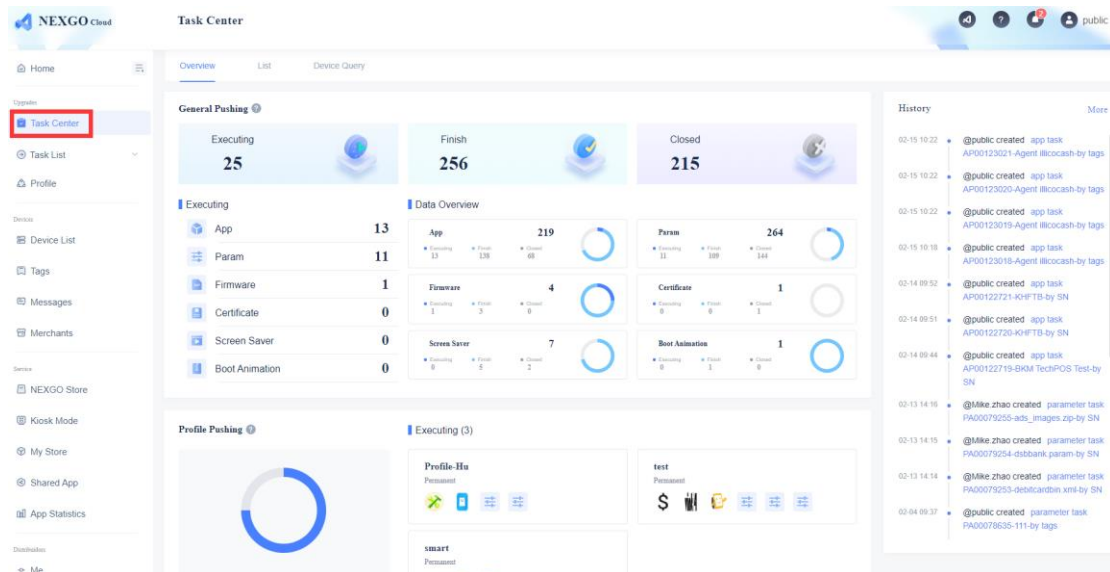
Task Center

System provides task center to check the overview/details of tasks. In this part, user can see all of the tasks, and check the task counts of different status (executing/finish/closed).

Executing: devices are requesting the updates.

Finish: all of target devices got the updates already, system stopped it by auto.

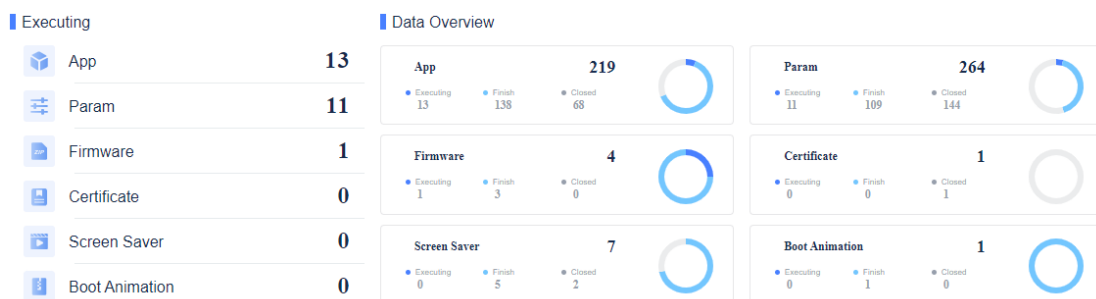
Closed: user closed task by manual.



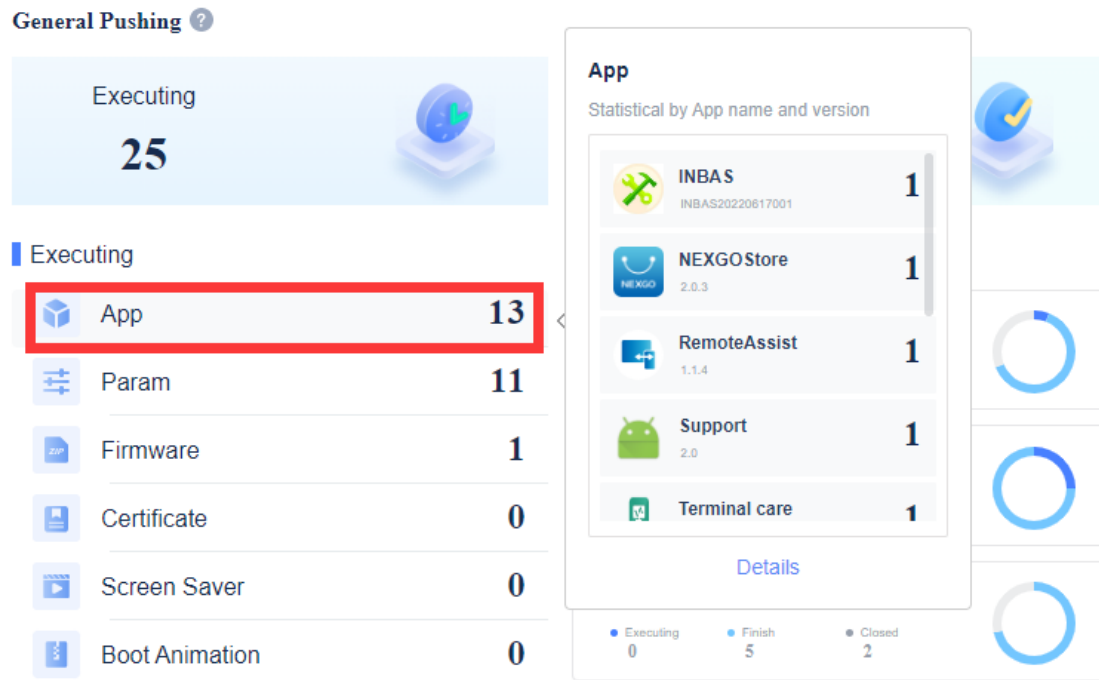
Firstly, system displays the statistic information for all of the tasks.



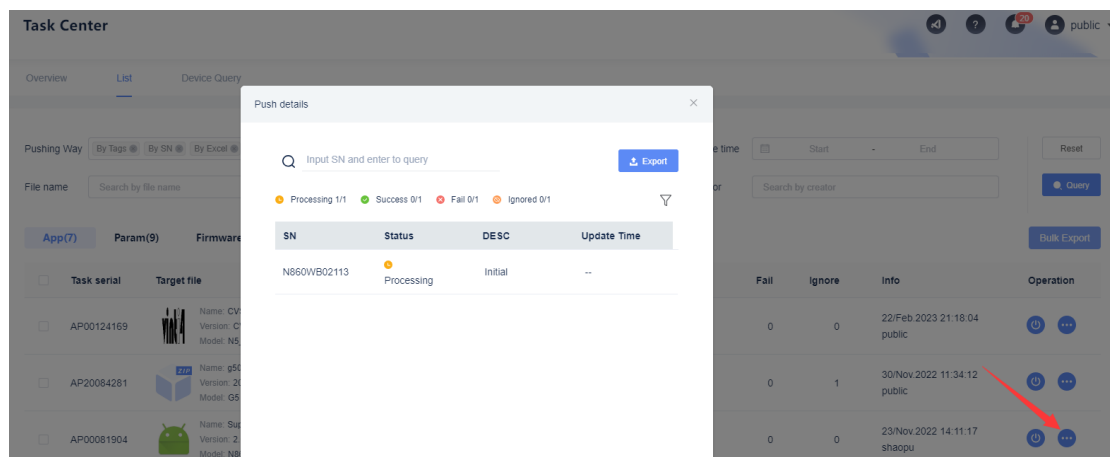
Secondly, system displays the statistic information for each kinds of tasks (App/Param/...).



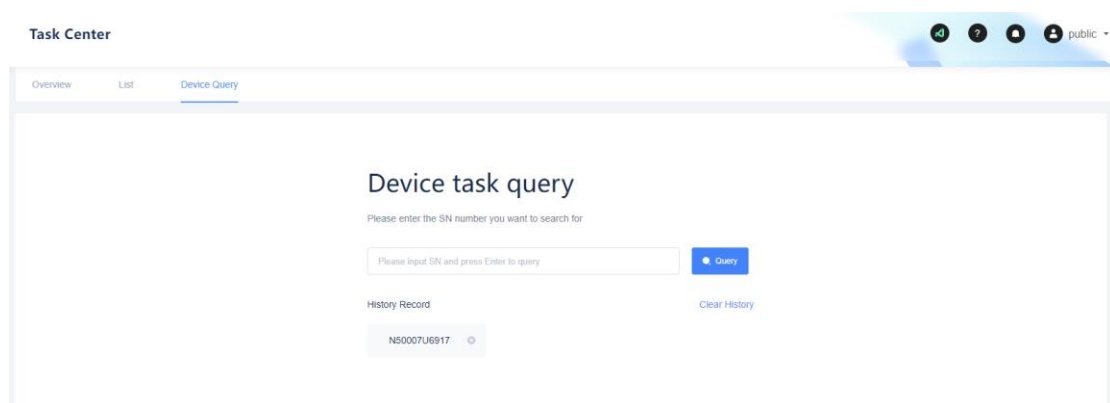
When user move the mouse to one kind of task (Example: App), system will display the executing tasks.



User can filter the tasks by pushing way/status etc., check the upgrading details for each task and export the push details.



To quicker search for a specific device, user can input the SN to query in the 3rd tab.



Task Center

Overview List Device Query

SN: Query

Apps (78) Params (10) OTA (1) Cert (0) Screen Saver (1) Boot Animation (0)

Task serial	Target file	Pushing way(All) ▼	Status(All) ▼	DESC	Update Time	Operation
AP00067359	Name: CVSISP Version: CVSSP202208020023 Model: N86	By Profile	Ignored	Device not matched	9/Oct/2022 15:55:34	--
AP00067358	Name: INBAS Version: INBAS20220617001 Model: N5_new,N86	By Profile	Processing	Requesting	9/Oct/2022 15:55:34	Cancel
AP00067277	Name: UPPayment Version: 1.0.5 Model: N5_new,N86,N3,N6,P200,UN2...	By Tags	Success	--	9/Oct/2022 12:03:23	--
AP00067276	Name: UPPayment Version: 1.0.5 Model: N5_new,N86,N3,N6,P200,UN2...	By Tags	Ignored	Same/Greater version was pushed	9/Oct/2022 11:08:31	--
AP00063687	Name: INBAS Version: INBAS20220617001 Model: N5_new,N86	By SN	Success	--	27/Sep/2022 14:06:27	--
AP00026024	Name: on.nexgo.cvssp Version: CVSSP20220407001 Model: N86	By Tags	Ignored	The app doesn't match for this device	26/Sep/2022 10:51:22	--
AP00062819	Name: 360 FIEB Version: 3.1.8 Model: N5_new,N86,N3,N6,P200	By Tags	Ignored	The device was canceled this pushing from WEB	23/Sep/2022 17:28:41	--

Task List

Contains App (Android)/Params/Firmware (Android)/Certificate (Android)/Screen Saver (Android)/Boot Animation (Android)/Linux App/Linux Firmware.

App (Android)

User can manage Android Apps in this part. Such as uploading APK, filter by Category/Model/Source, configuring the signature settings, checking the pushing records etc.

NEXGO Cloud App

Home Task Center Task List **App** Param Firmware Certificate Screen Saver Boot Animation Linux App Linux Firmware Profile Device List Tags Messages Merchants

Category

Type: All 分类1 测试分类2

Model: All N5_new N86 N3 N6 P200 UN20 N5_old N82 N5P P100 N6 Counter-top

Charge: All Free Pay

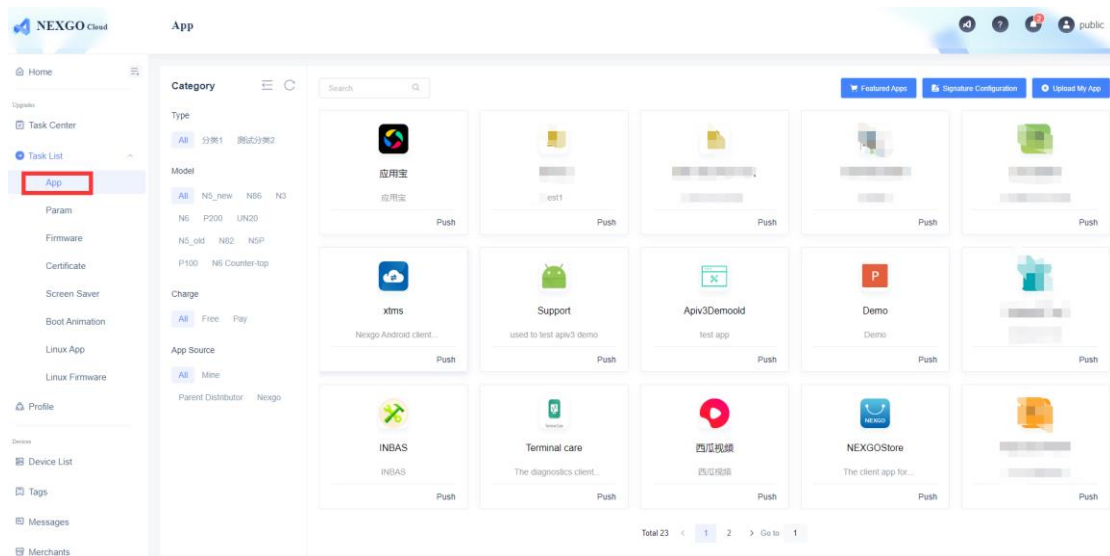
App Source: All Mine Parent Distributor Nexgo

Featured Apps Signature Configuration Upload My App

应用宝	test1	test2	test3	test4
xtms	Support	test app	Demo	test app
INBAS	Terminal care	西瓜视频	NEXGOStore	test app

Total 23 < 1 2 > Go to 1

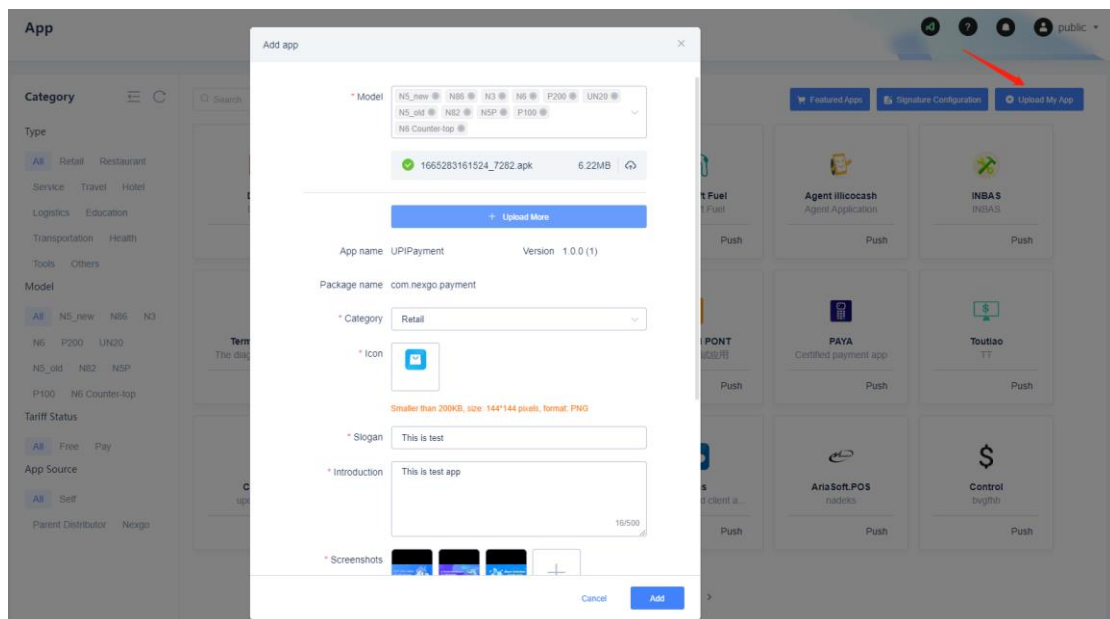
User can manage the Apps in the page [App].

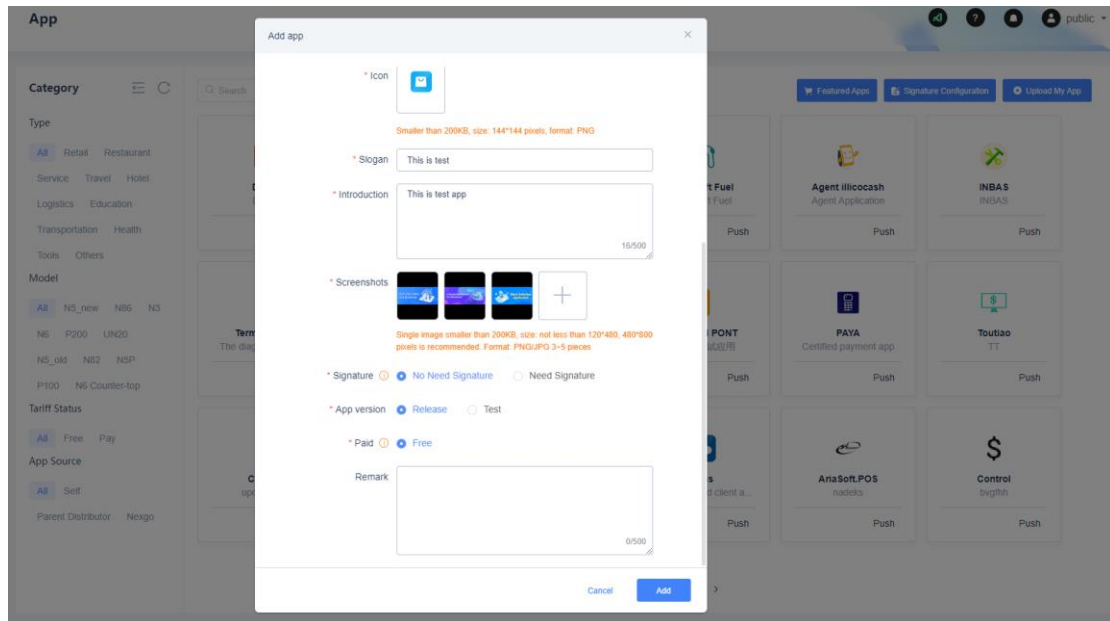


Upload Apps

For the same distributor, system can upload the same app package name, but the app version must be unique, that means the same version of application is not allowed to the system. User should select the category, upload the icon/screenshots, and fill some introduction for the uploading application.

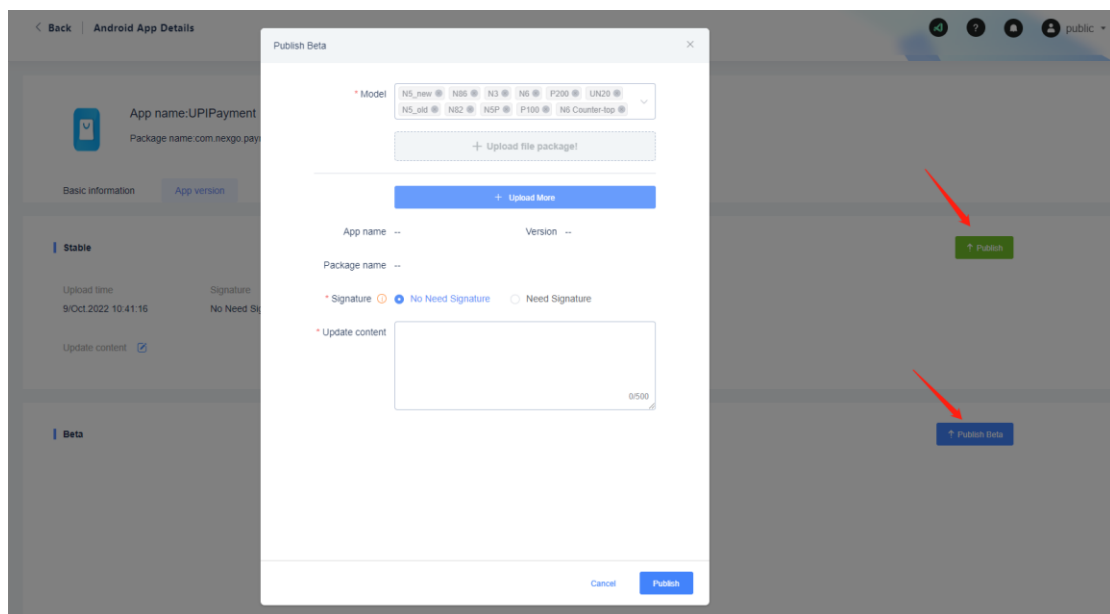
User also can determine whether get signature for this uploading app from SMS or not.



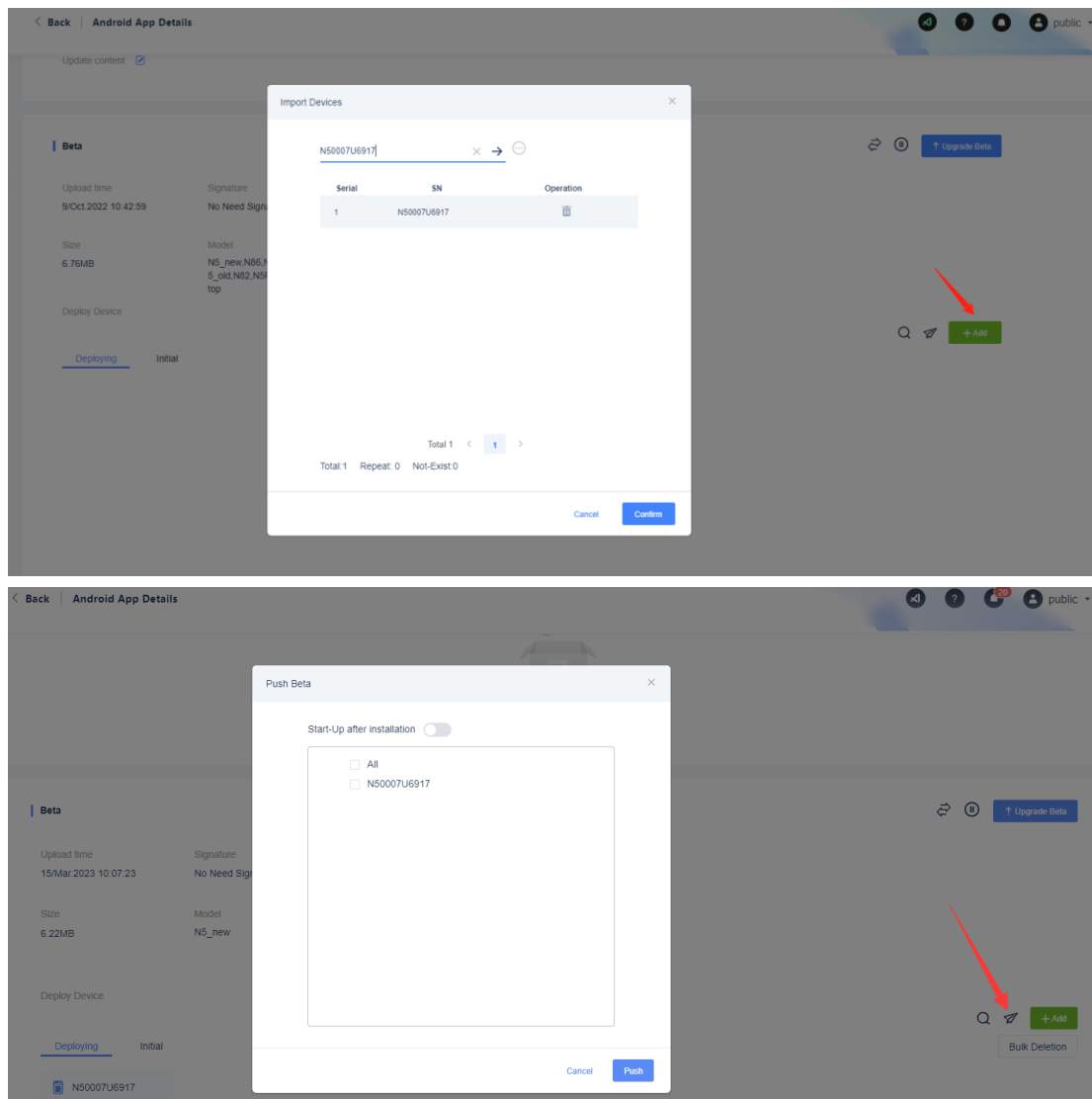


App Test/Publish

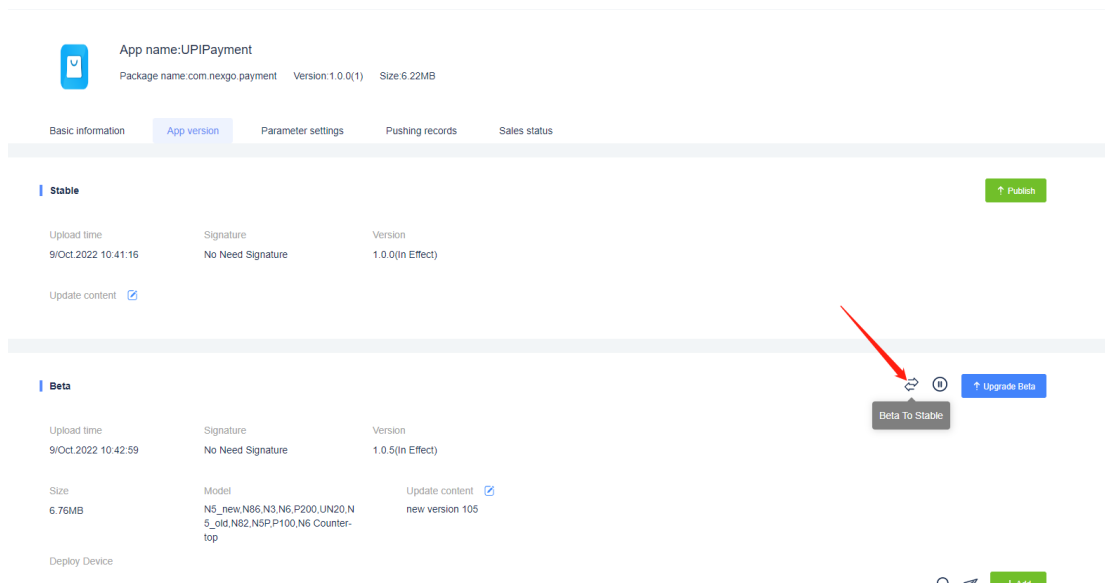
When enter the app details page, user can update the app in the tab [App Version]. In some cases, user need to test the latest app on few devices, if there is no issue with the latest version, then release to the stable version. System accepts Beta version for test.



After uploaded the Beta version, user can set the target devices for test, then push this Beta version to them. User can see the installation status in the tab [Pushing Records].

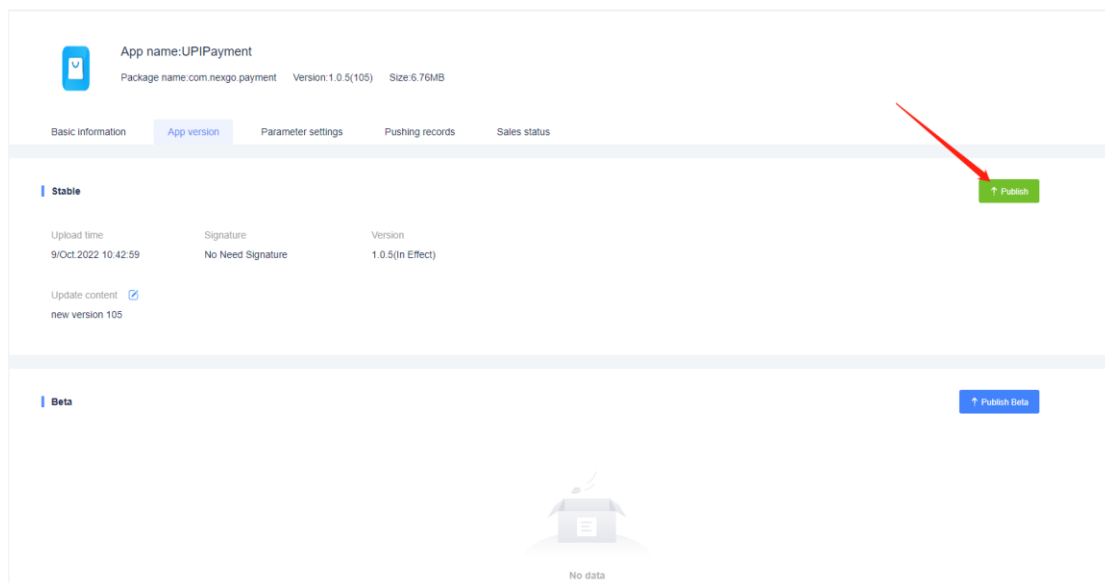


If there is no issue with the Beta version, user can publish it to stable.



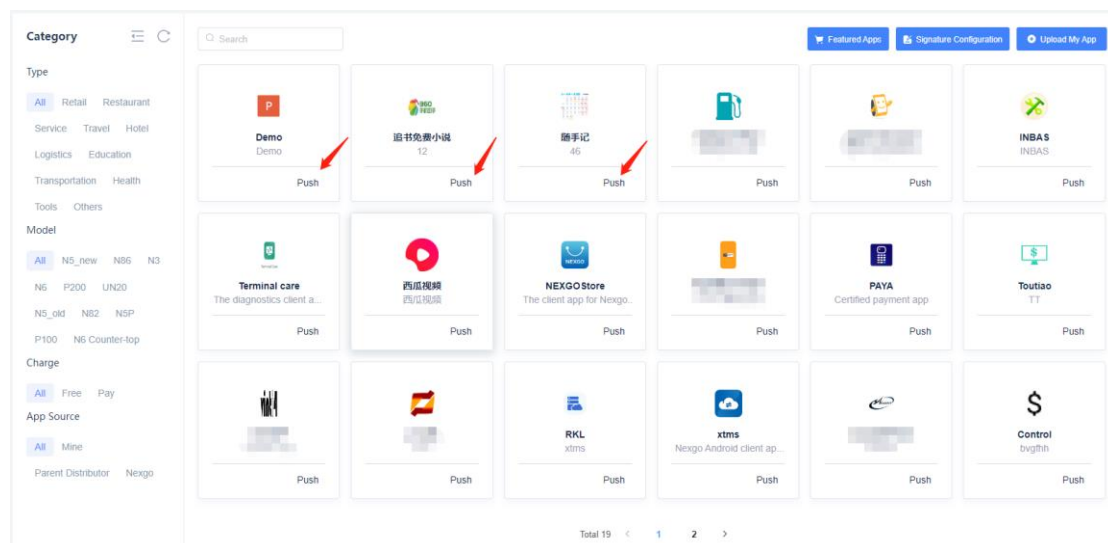
When user want to upload/publish official/stable version, user can upload the

new app by clicking the button [+Publish] in the left part.



Note:

- If new version is published, user should stop the executing tasks in tab [Pushing Records], then schedule new upgrading, then the devices will get this new version.



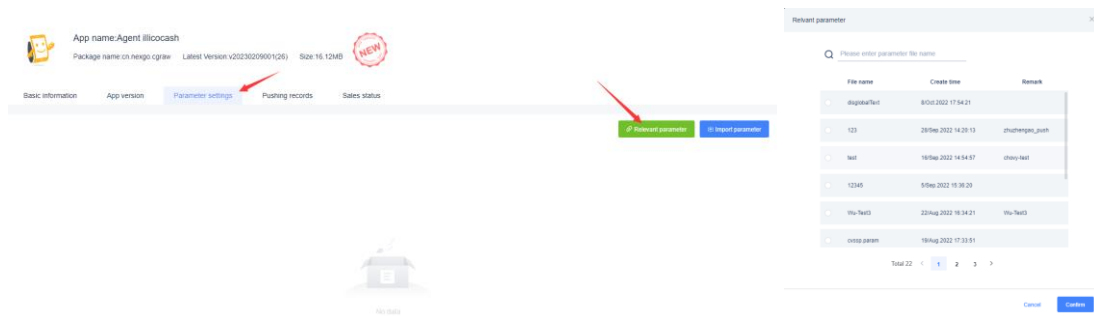
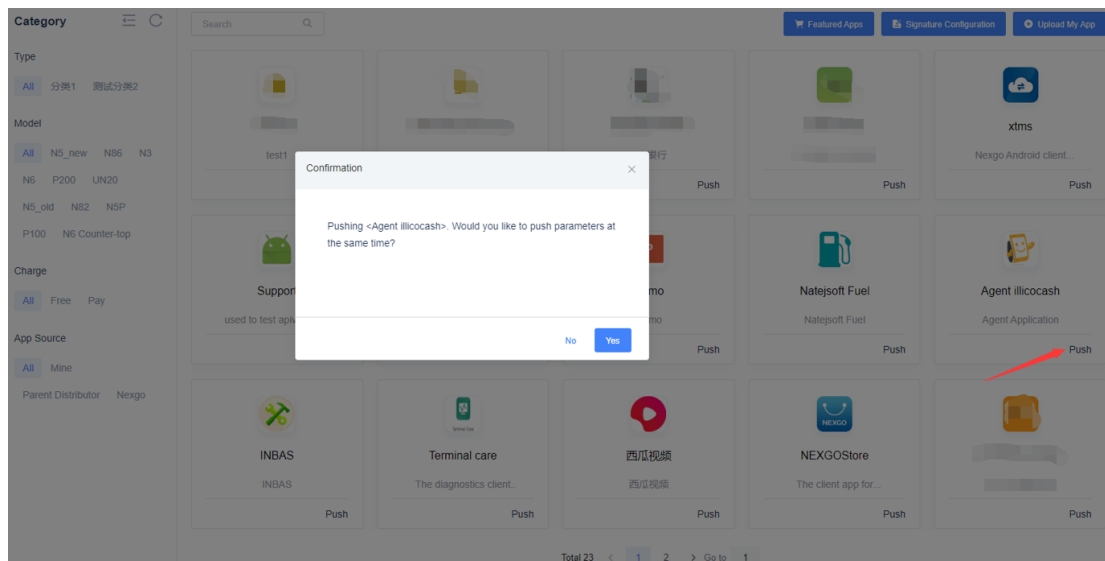
- If the app is shared to other distributors, after published new version, distributors should pull it from the cart manually.

App Pushing

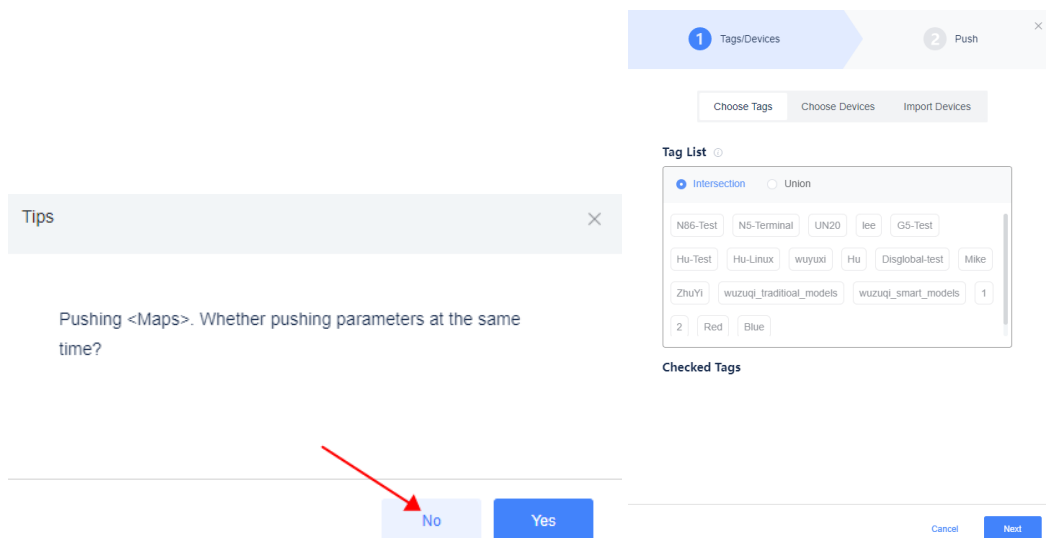
After app was uploaded, user can push it to the devices.

System will ask user whether pushing parameter for the chosen app, if there are relevant parameter files, user can choose the matched parameter file to push at the

same time, lastly user should select the target tags for pushing.



If there is no relevant parameter file, user only need to choose the tags or specific devices for pushing. When there are lots of target devices, user can import the excel file in the 3rd tab.



The screenshot shows two side-by-side panels. The left panel is titled '1 Tags/Devices' and contains a table with columns 'SN' and 'Merchant'. The right panel is titled '2 Push' and contains two sections: '1. Get template' and '2. Import Excel'.

SN	Merchant	
UN20V000232		<input type="checkbox"/>
N861111111		<input type="checkbox"/>
N860VB02113		<input type="checkbox"/>

Total 28 < 1 2 >

1. Get template
Only accepts excel files and supports XLSL suffix. Files must be less than 5 MB.
[Get template](#)

2. Import Excel
Drag the file here, or click upload

After chosen the target tags/devices, user can select the version to be pushed, determine when the device will start the update by choosing [Timed Task] and whether automatically start this app or not after installation.

The screenshot shows the '2 Push' step. It includes a 'Content' section with a dropdown menu, a 'Target' section with a list of devices, and a 'Settings' section with two dropdown menus.

Content (Drop down to choose target version)

Agent illicocash N86 Vv20230209001

Target

Union devices in chosen tags:

Hu

Settings

Type Instant Task

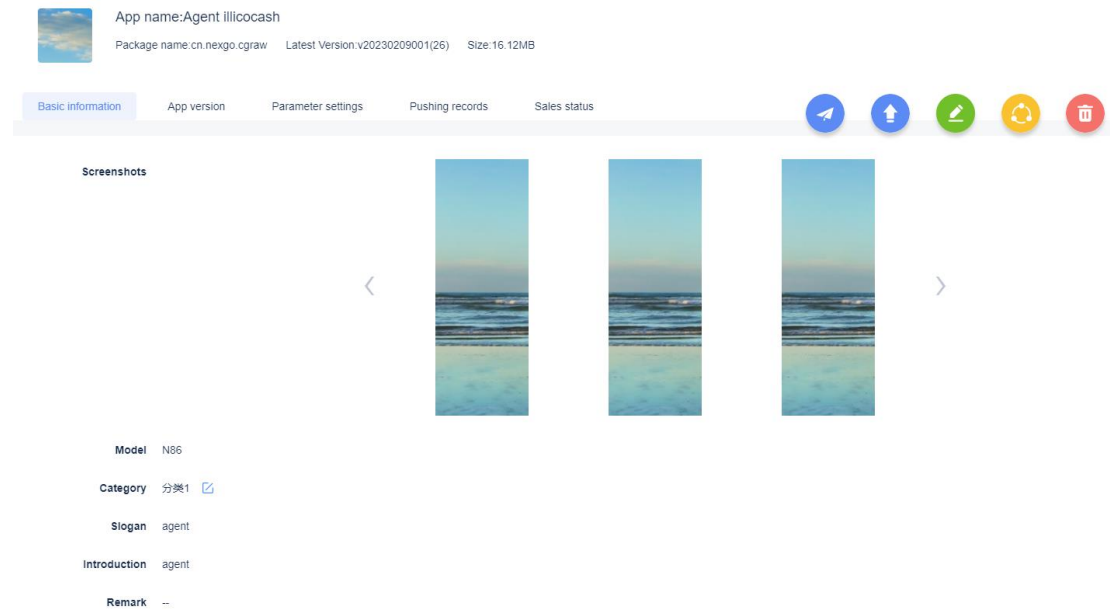
Start-Up after installation Disable

Note: If pushing like this way, it will be working only for the tags the user selected, but for the other tags, the executing tasks are still there.

Example: user pushed App-1(v1.0) to devices in Tag-1, then user uploaded App-1(v1.1) to system, and pushed to Tag-2 as this way, the devices in Tag-2 will get App-1(v1.1), but the devices in Tag-1 still get App-1(v1.0). If user wants the devices in Tag-1 to get App-1(v1.1) also, user can choose all the target tags(means both Tag-1 and Tag-2) when pushing.

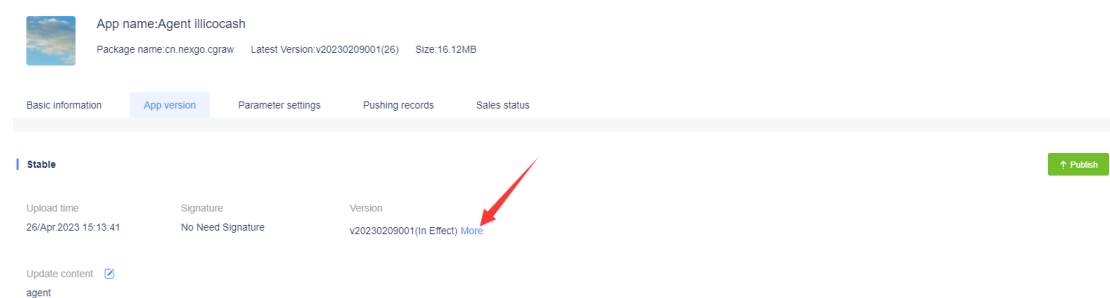
App Details

User can check the app details by clicking the app card. In the details page, it contains the basic information/app version/parameter settings/pushing records/sales status.



User can push/upgrade/edit/share/delete his private apps in the tab of basic information. After shared, sub-distributes can get this app in their app cart.

User can download/delete the specified version of the app in the tab of the app version.

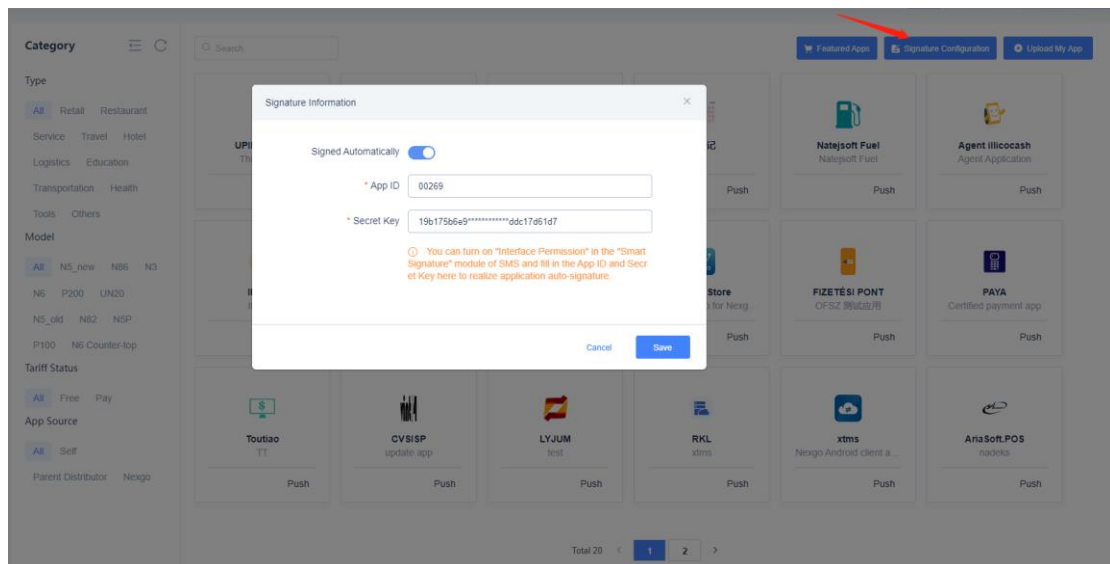
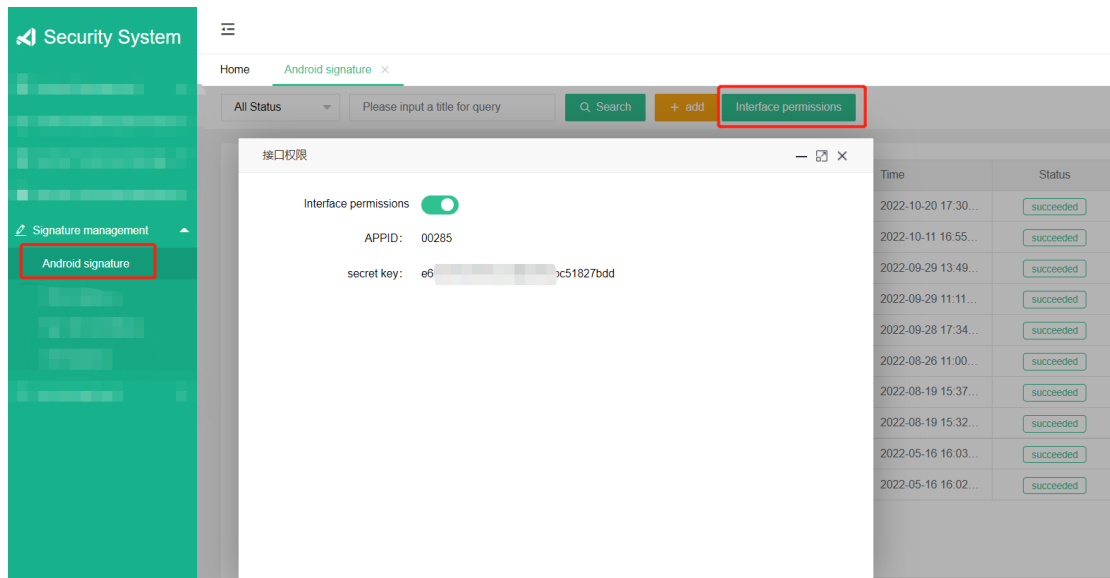


User can check the processing status/reason/update time of each device and export the task details.

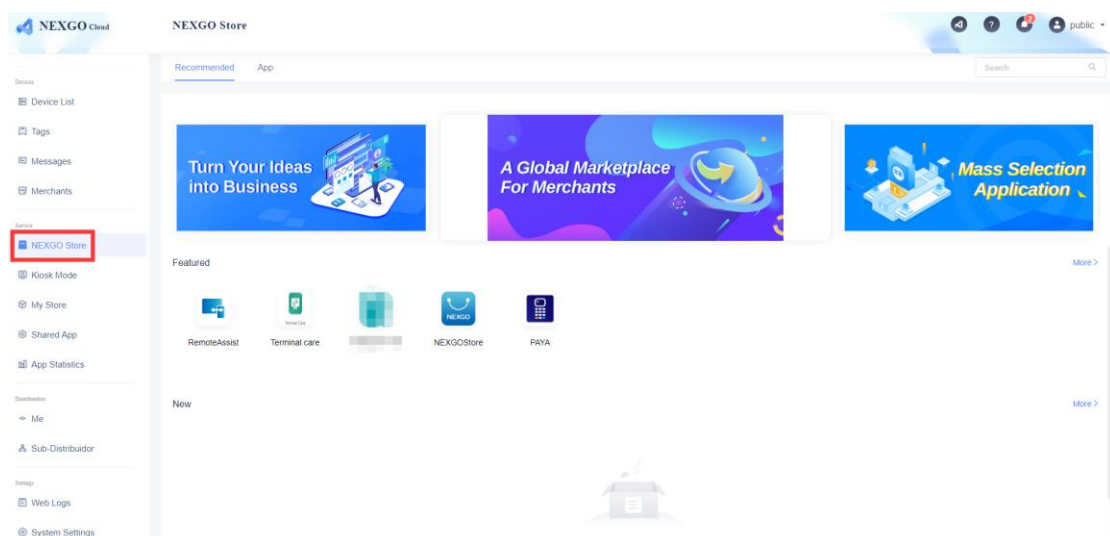
Get Shared Apps

User also can get the shared apps from parent distribute by clicking the app cart. The shared apps also can be pushed to the devices.

Before get apps from Nexgo Public Store, system will require to sign the app.
Distributors can get the App ID & Secret Key from Nexgo Security System.

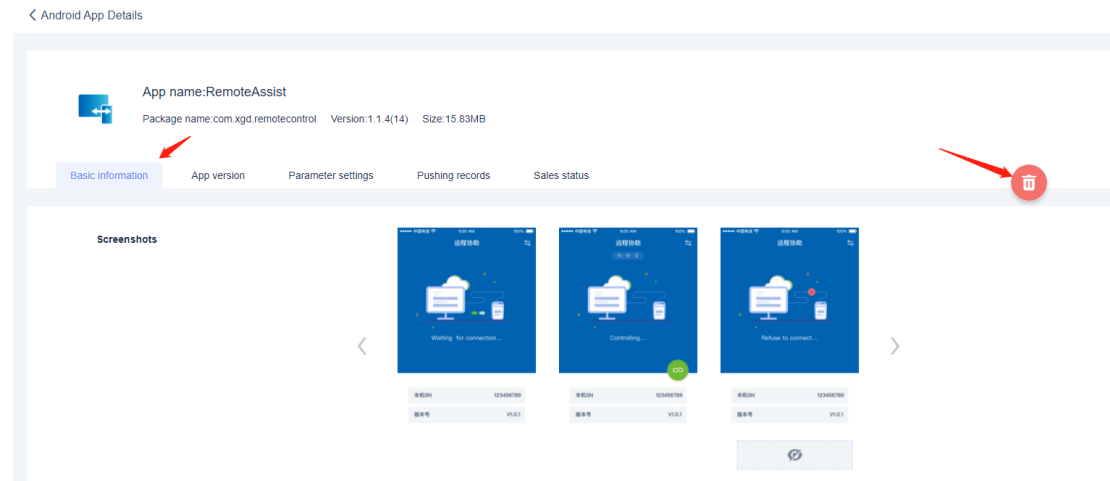


Check the menu [Nexgo Store] is another way to get App from Nexgo Public Store, user can get the Apps more clearly here.



Note: the sub-distributor got the shared app from the parent-distributor, when the parent-distributor deleted this shared app, system will close all the upgrading tasks for this shared app for both parent & sub distributors.

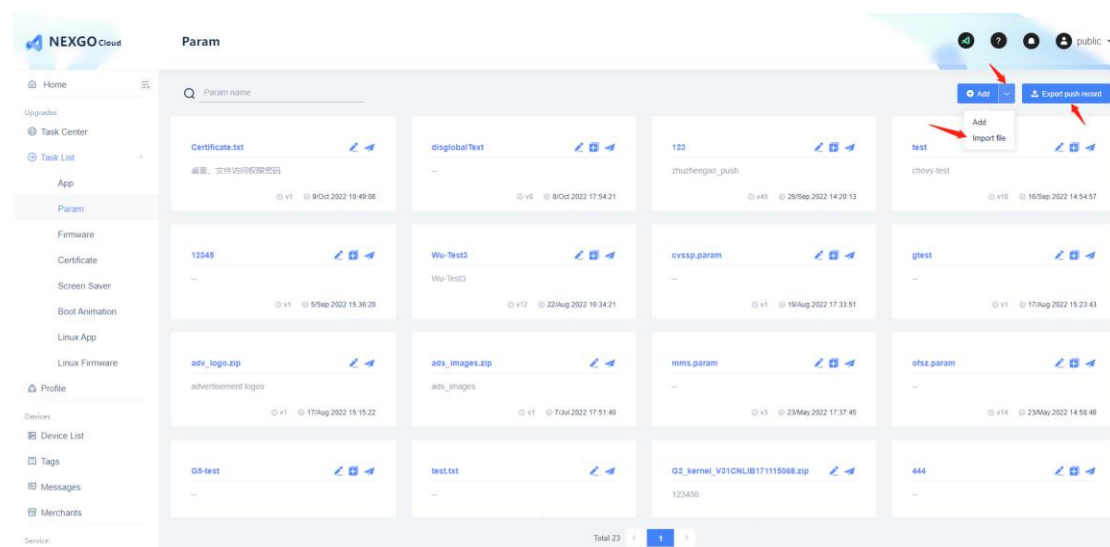
System will stop all the executing tasks when delete application.



Param

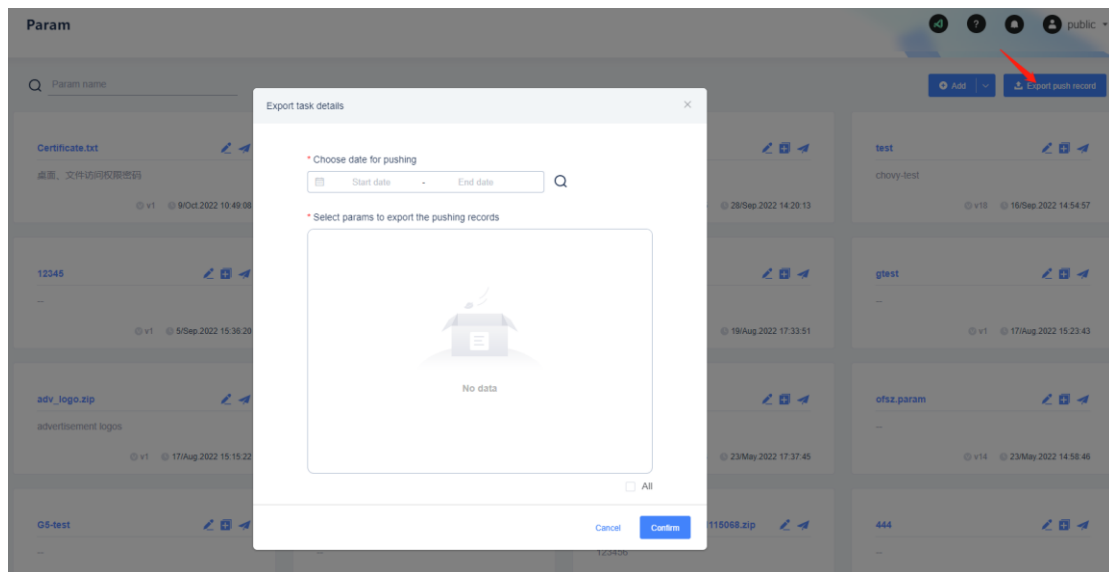
Parameter Content

Nexgo provides the parameter template for customers, system can accept self-defined parameter files for pushing.



User can export the parameter pushing records, please filter by date and choose

the target parameter files which need to be exported.

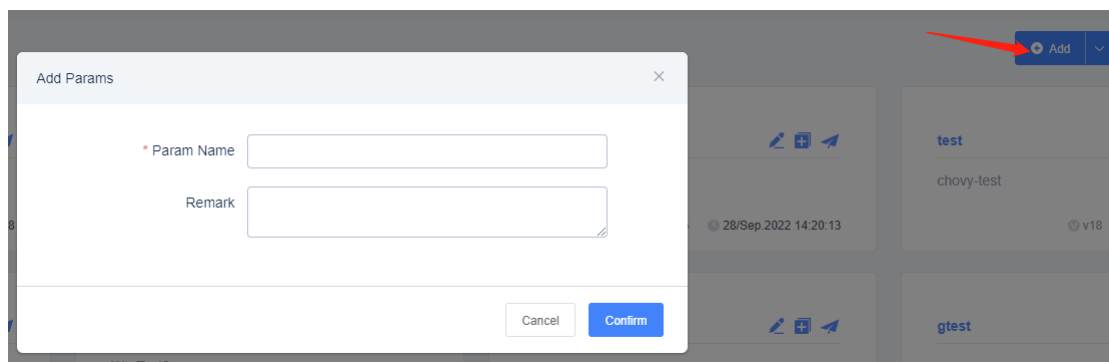


Below is the exported excel content.

ParamName	app	sn	GroupName	PushCreateTime	PushState	Reason
34567890123456789012	WizNote	N3000179742		2021-07-16 15:53:18	Not Reached	---

Nexgo Template

In order to be compatible with the parameter module of XTMS3.0, Nexgo Cloud System copied the parameter content from XTMS3.0.



Similar with XTMS 3.0, Nexgo Cloud System contains the same parameter modules: Basic/Acquirement/Issuer/EMV/Contactless/Specific.

There is a switch in each module, only the enabled parameters can be downloaded to the device.

< Param details [123]

Quick Push Push Pushing record Delete

Param Acquire EMV CTLS SPC_PARAM

Enable params ☒ [Edit](#)

BASIC OPTIONS

Default Language Country Code

Cash Back Limit Max Cash Back Limit Min

BatchNumber TID

MID

Passwords [Config](#) Receipt Options [Config](#)

☐ Display MSR ☐ Duplicate Trans ☐ Shift Processing ☐ Tip Processing

☐ Manual Acq Sel ☐ Bypass Processing ☐ XL POS Functionality ☐ Use External PIN Pad

☐ As CTL Reader ☐ Disable Receipt ☐ Disable 2nd Receipt ☐ Topup

☐ areebadCC

COMMUNICATION

☐ Dail-UP ☐ LAN ☐ GPRS ☐ WIFI

Default Batch Report

About the selections, user can configure the option items by clicking the [Config].

< Param details [123]

Quick Push Push Pushing record Delete

Param Acquire EMV CTLS SPC_PARAM

Enable params ☒ [Edit](#)

BASIC OPTIONS

Default Language Country Code

Cash Back Limit Max Cash Back Limit Min

BatchNumber TID

MID

Passwords [Config](#) Receipt Options [Config](#)

☐ Display MSR ☐ Duplicate Trans ☐ Shift Process ☐ Tip Processing

☐ Manual Acq Sel ☐ Bypass Processing ☐ XL POS Functionality ☐ Use External PIN Pad

☐ As CTL Reader ☐ Disable Receipt ☐ Disable 2nd Receipt ☐ Topup

☐ areebadCC

COMMUNICATION

☐ Dail-UP ☐ LAN ☐ GPRS ☐ WIFI

Default Batch Report

Below is the example configuration of [Passwords].

< passwords Setting

Add Password

* Name * Void

* Refund * Complete Pre-Auth

* Settlement * Keyboard Lock

* Maintenance/System PWD * Merchant/Admin PWD

Input pw_name Table Name and enter to qu [Add](#) [Batch Delete](#)

pw_system	pw_admin	Operation
123123	123123	Edit Delete

For the tab of [SPC_Param], system provide 3 different kinds of parameter item: Character/Number/Boolean. For the type of character, mixlength & maxlength mean the limitation of the string, the maximal length of string is 512; for the type of number, min & max mean the limitation of number value; for the type of Boolean, only 0/1 can be downloaded.

The screenshot shows the 'Add Parameter Item' dialog box in the 'ParamItem Setting' interface. The 'datatype' dropdown is set to 'Character'. The background table shows existing parameters with their default values and operation icons.

paramcode	defaultvalue	operation
12000004	0	[edit] [delete]
12000003	1	[edit] [delete]
12000002	1	[edit] [delete]
12000001	1	[edit] [delete]

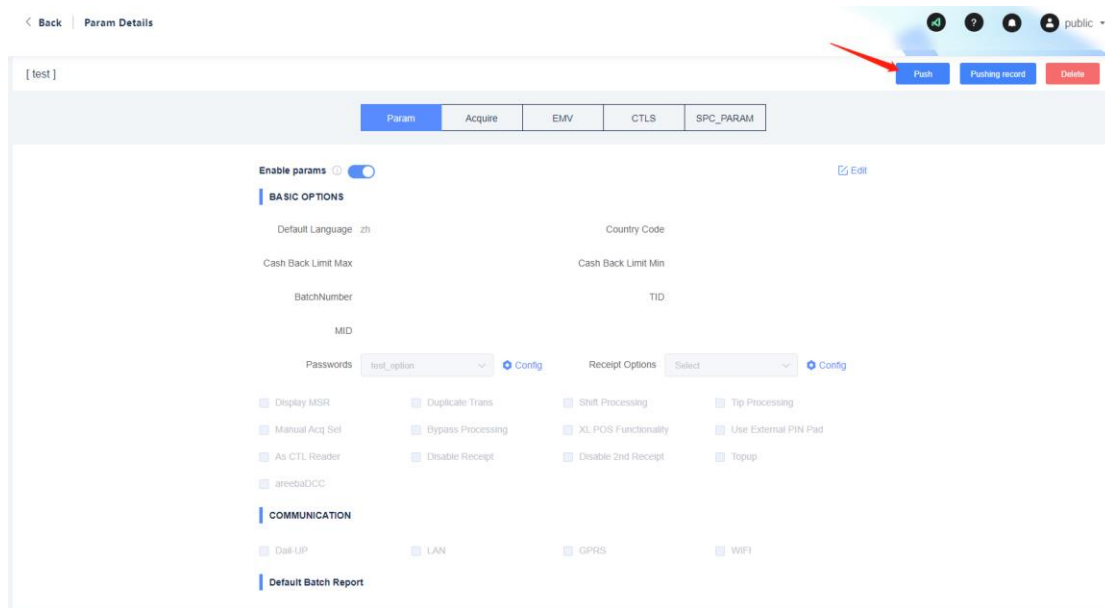
The screenshot shows the 'Add Parameter Item' dialog box with the 'datatype' dropdown set to 'Number'. The background table is the same as the previous screenshot.

paramcode	defaultvalue	operation
12000004	0	[edit] [delete]
12000003	1	[edit] [delete]
12000002	1	[edit] [delete]
12000001	1	[edit] [delete]

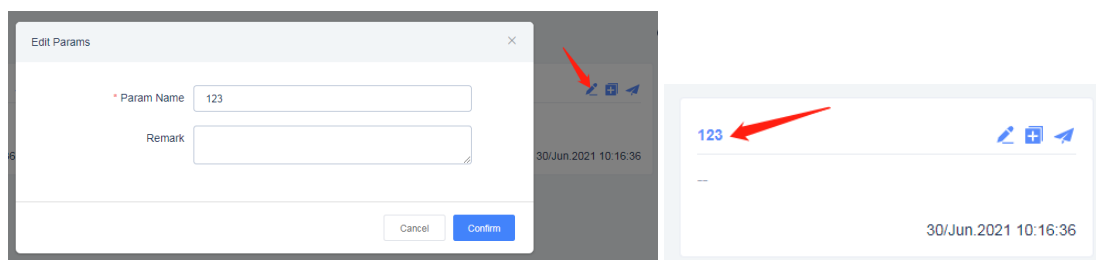
The screenshot shows the 'Add Parameter Item' dialog box with the 'datatype' dropdown set to '1/0'. The background table is the same as the previous screenshots.

paramcode	defaultvalue	operation
12000004	0	[edit] [delete]
12000003	1	[edit] [delete]
12000002	1	[edit] [delete]
12000001	1	[edit] [delete]

After filled the contents, please don't forget to click save in each parameter module, system will increase the version of this parameter, then click [Push] to generate the upgrading tasks.

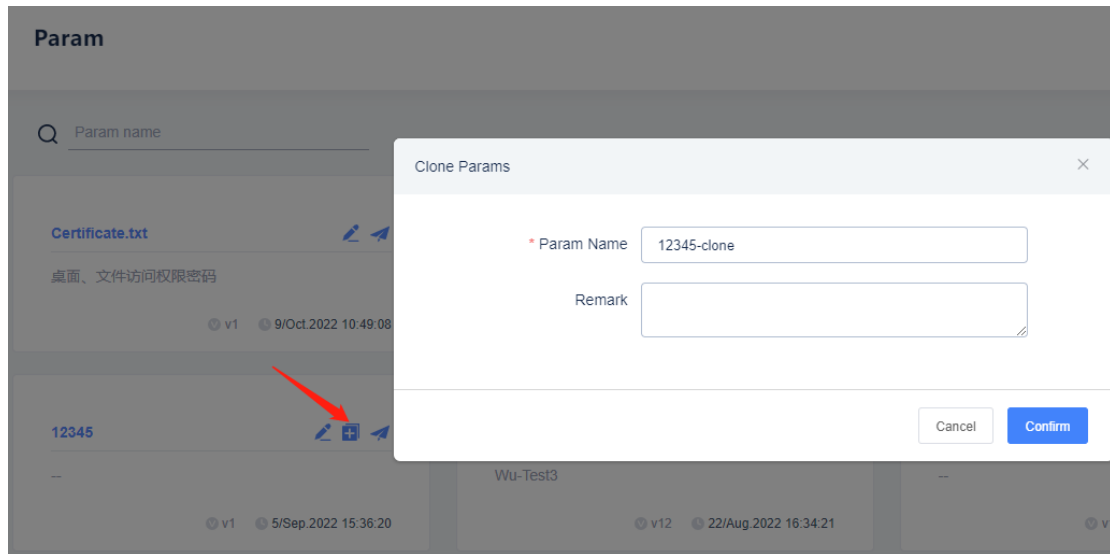


After created new parameter files, user can edit the parameter contents by clicking the parameter name.

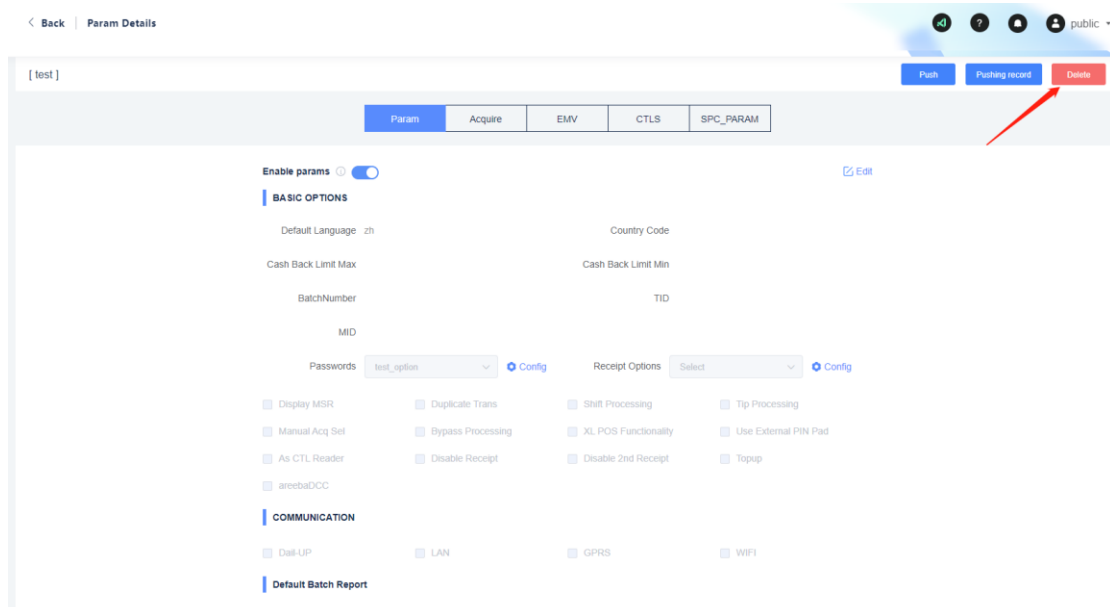


In some cases, users want to copy the parameter items, then modify few values for the new parameter profile. So, Cloud system provide the feature of parameter clone.

Note: when user click clone and name for the new parameter profile, only the items in the database will be cloned, please don't forget to generate param file before pushing.



User also can delete the created parameter by clicking the button [Delete].



Self-Define File

Users can import the textual self-defined parameter file to the system, but system doesn't support to edit it.

Add
Export push record

Add
Import file

test

Import parameter

+

Move file here, or click upload

Except suffix: .so/.bin/.apk; Max: 50MB;

Remark

0~200 words

Cancel

Confirm

Users can check the pushing records by clicking the parameter file name.

self-param-test.txt

20/Jul.2021 15:36:24

Back

Param Details

Push

Delete

Input task number

TaskId

Creator

Create Time

Effect Time

Param name

Version

App Name

Push device (All)

Status(All)

Task progress

Operation

PA00073406

Lee

9/Oct.2022 11:35:19

Immediate

Certificate.txt

v1

xtms

Selects

Finish

100%

PA00073405

Lee

9/Oct.2022 10:51:05

Immediate

Certificate.txt

v1

xtms

Tags

Closed

0%

Total 2

<

1

>

The basic information

The parameter Certificate.txt

name

Import time 9/Oct.2022 10:49:08

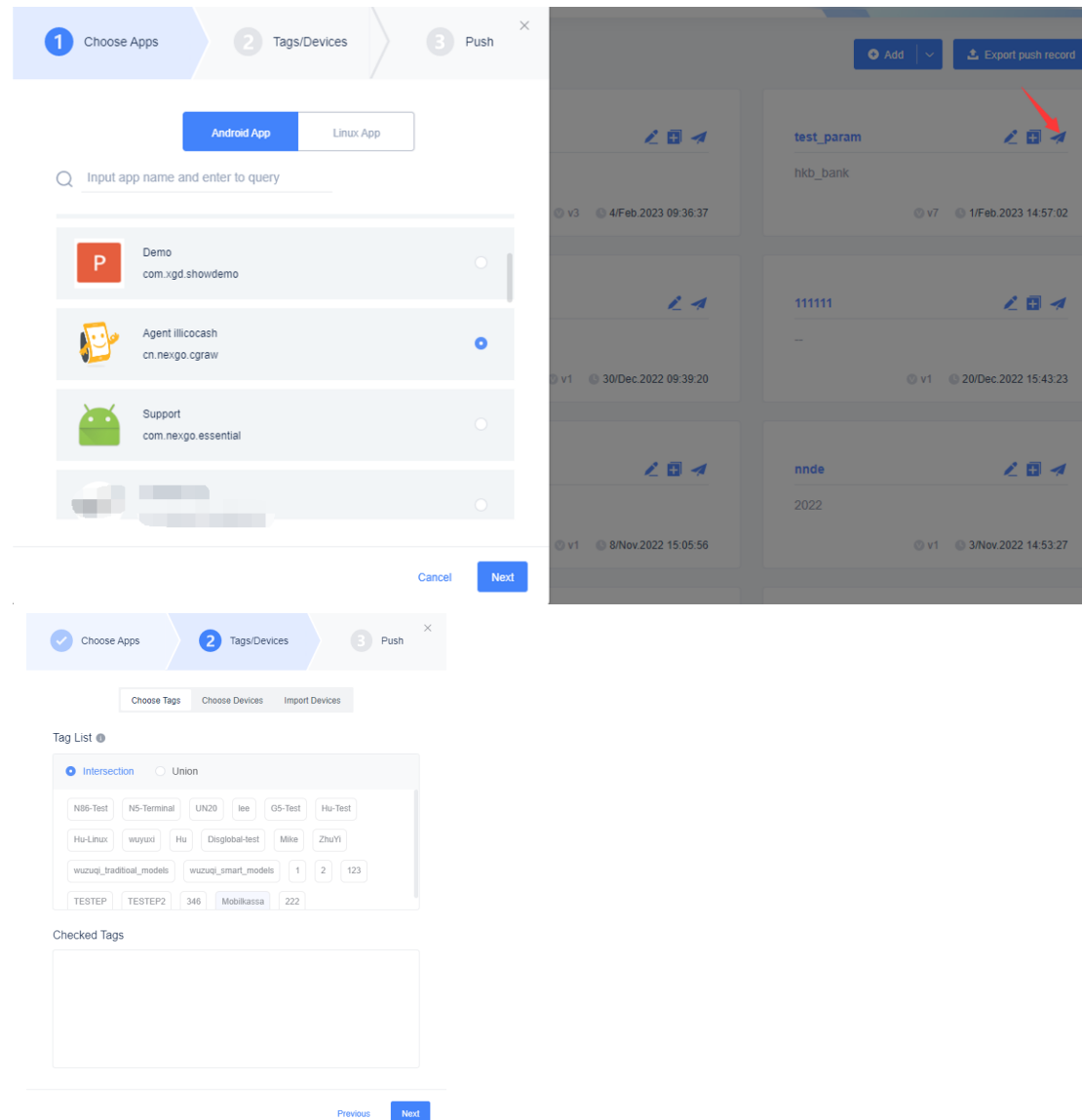
Import operator Lee

Note 桌面、文件的访问权限密码

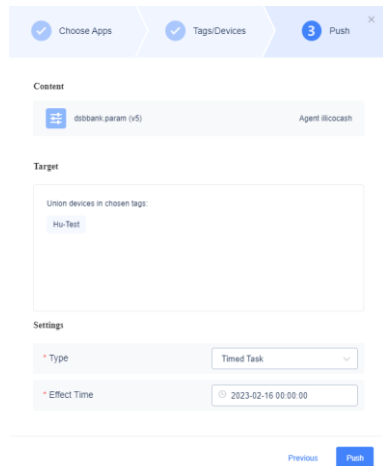
61

Pushing

Same with the pushing process of App, user can push the parameter file to tags or specific devices, user can choose the specific SN or import batch of SN from Excel. It's required to choose the related app firstly.



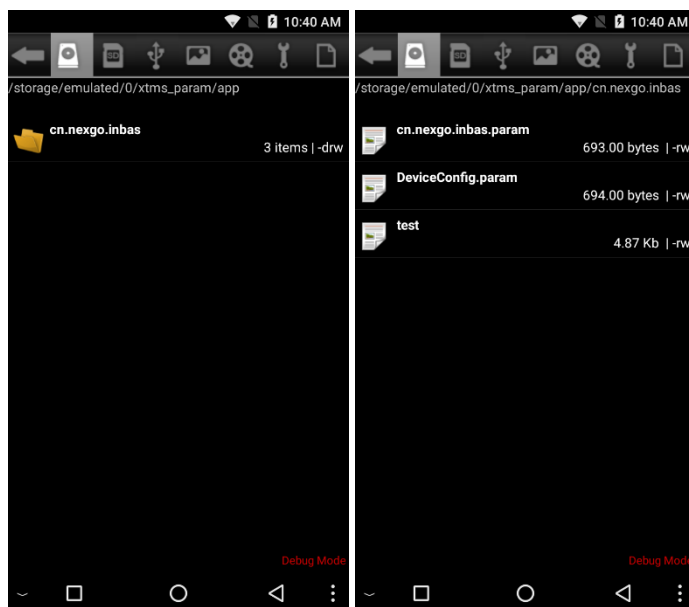
Same with the app pushing flow, after selected tags/devices, user also can determine when this task will take effect by choosing [Timed Task].



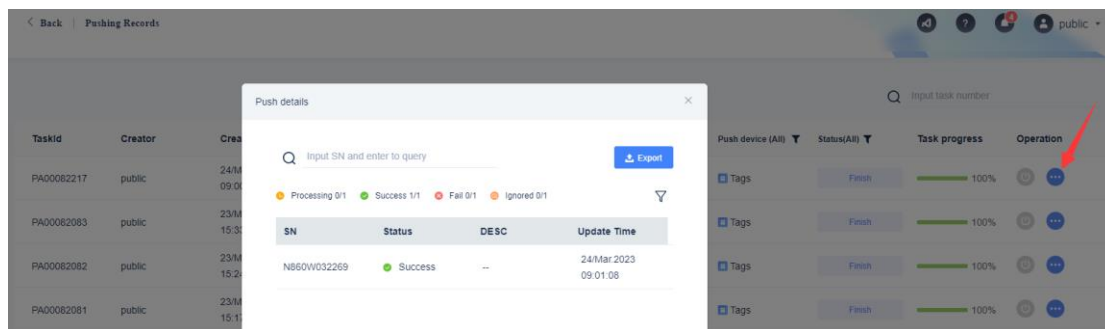
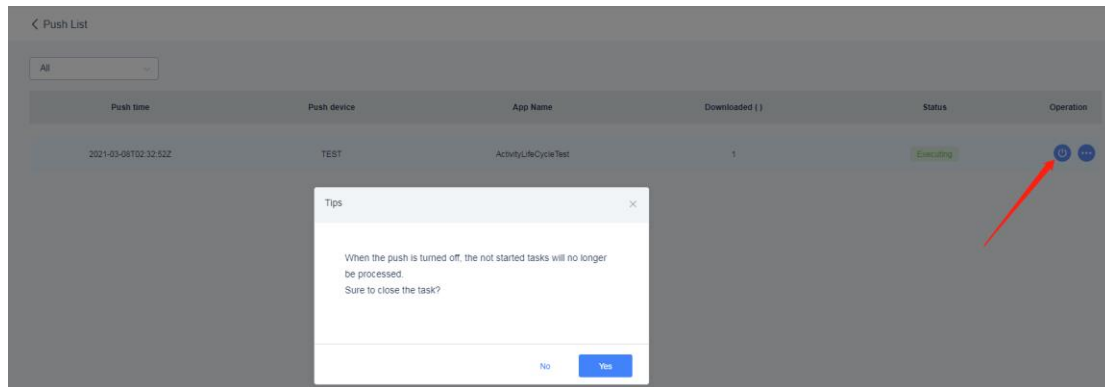
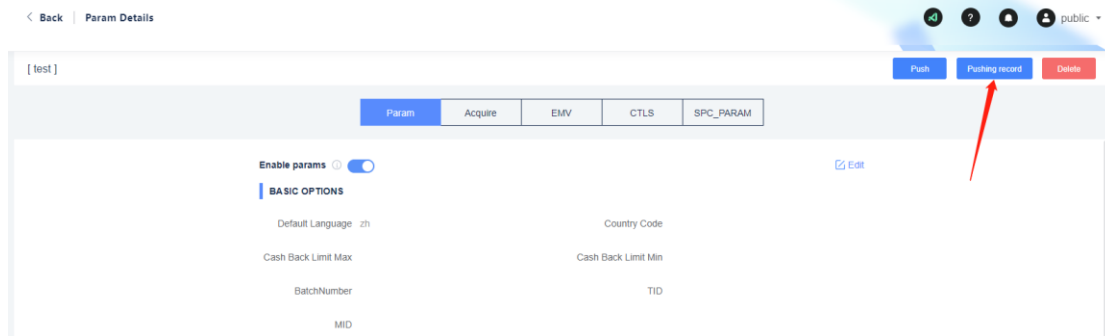
After downloaded to the Android device, the TMS client app will broadcast in the device, the apps should update this new parameter file soon. User also can get it in the device directory: `/xtms_param/app/ [package name]/`

If the device is binding with merchant, it will get the merchant parameters when pushing, the parameter file name is the app package name + `[.param]`. The target parameter file name is the same with the file name on website. TMS client app will integrate these two parameters in a fixed file name: `DeviceConfig.param`

But when the Linux devices got the parameter file from Nexgo Cloud, the parameter file would be saved in directory: `/mtd0/[app]/`



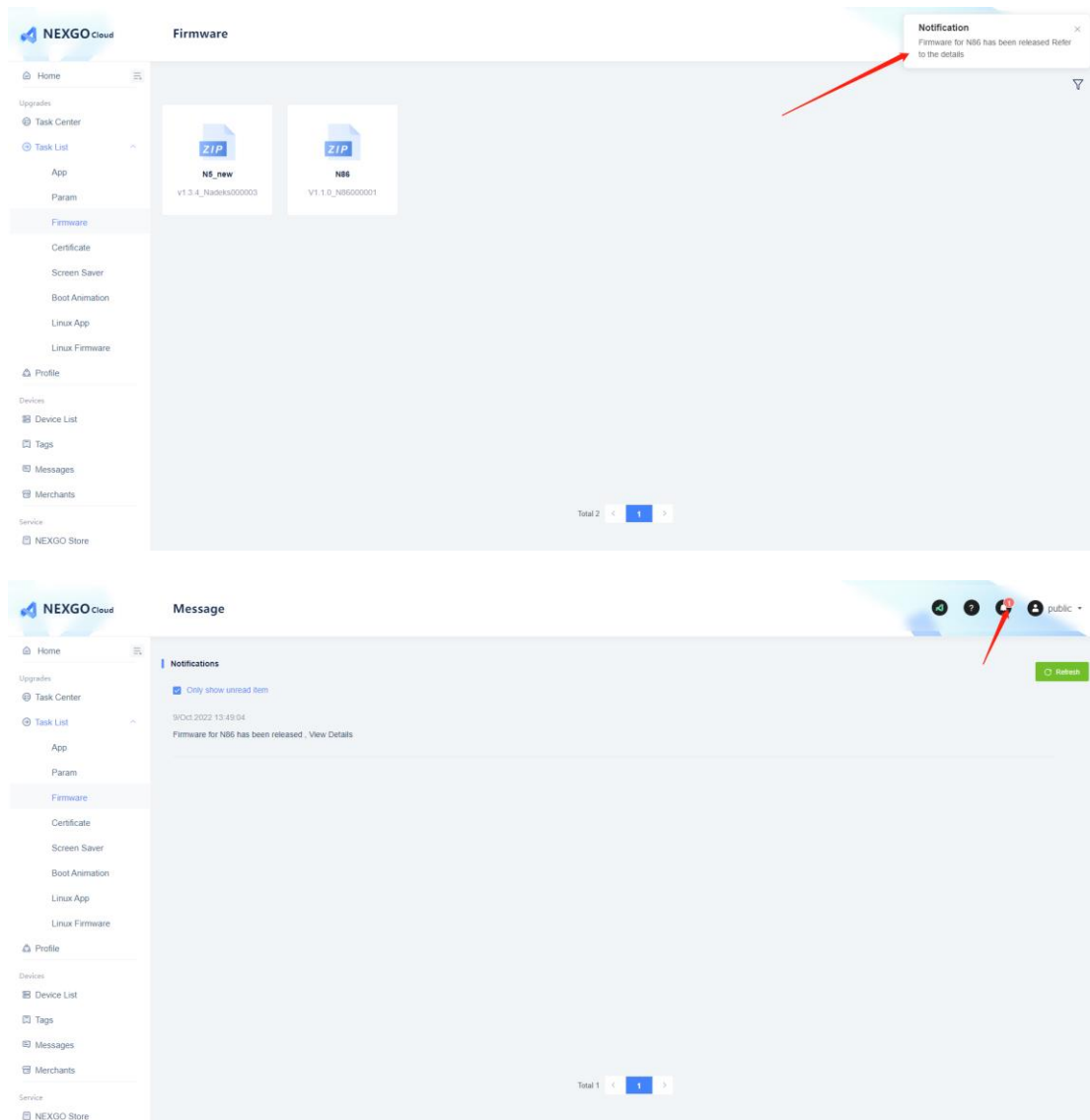
User can check the pushing status in the tab [pushing records]. In this page, user can stop the executing tasks, user also can check for the device whether get downloaded or not.



Note: When user edited the parameter items and want to update it to the devices, please stop the “Executing” tasks then push again. Or click [Push] to refresh the upgrading tasks, in this case, system will stop the “Executing” tasks and generate new tasks automatically.

Firmware

Normally, NEXGO releases the new version of OTA, and upload it to Cloud system with the operator account. After the distributor account logged into system, user can check the new releases by clicking the bells on the top-right corner.



After got the new OTA, user can push to tags/specific devices, the pushing steps are same with the app pushing. After selected the tags/devices, user also can determine when this task will take effect by choosing [Timed Task].

User can click [Download] to get the OTA for manually installation.

Firmware

Home

Upgrades

Task Center

Task List

App

Param

Firmware

Certificate

ZIP

N5_new

v1.3.4_Nadeks000003

ZIP

N86

Push

1 Tags/Devices

2 Push

Choose Tags

Choose Devices

Import Devices

Tag List

Intersection

Union

N86-Test

N5-Terminal

UN20

lee

GS-Test

Hu-Test

Hu-Linux

wuyuxi

Hu

Disglobal-test

Mike

ZhuYi

wuzug_traditioal_models

wuzug_smart_models

1

2

Red

Blue

Checked Tags

Clear

Hu

Cancel

Next

1 Tags/Devices

2 Push

Choose Tags

Choose Devices

Import Devices

SN

Please enter SN press enter to query

SN

Merchant

N86111111

N860W/B02113

N860W/B25827

Total 14

<

1

>

Cancel

Next

1 Tags/Devices

2 Push

Choose Tags

Choose Devices

Import Devices

1. Get template

Only accept excel files and supports XLSX suffix. Files must be less than 5 MB.

Get template

2. Import Excel

Drag the file here, or click upload

Cancel

Next

Tags/Devices

2 Push

Content

N86 (v1.1.0_N86000001)

Target

Union devices in chosen tags:

Hu

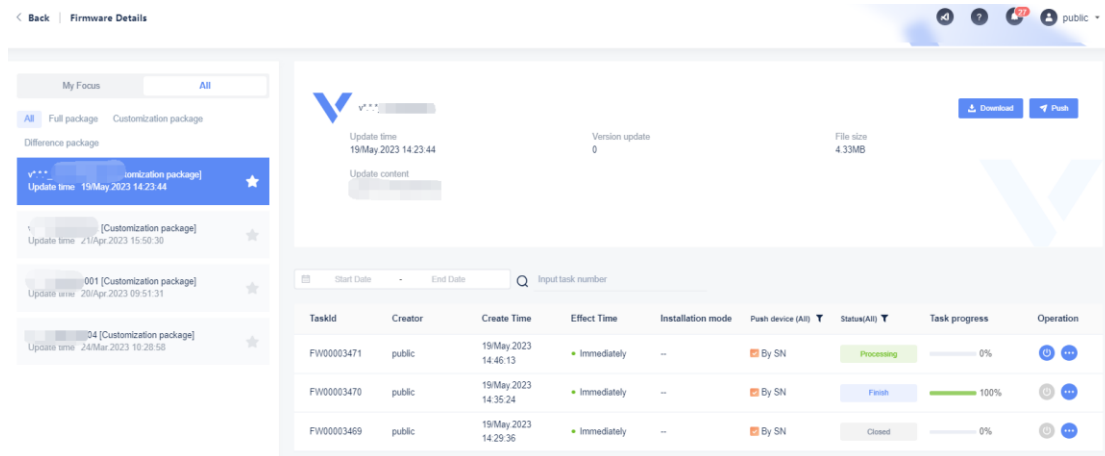
Settings

Type

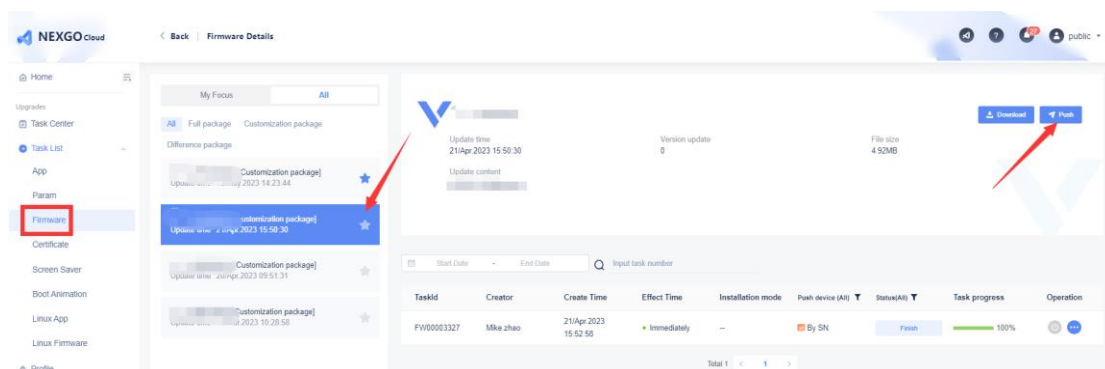
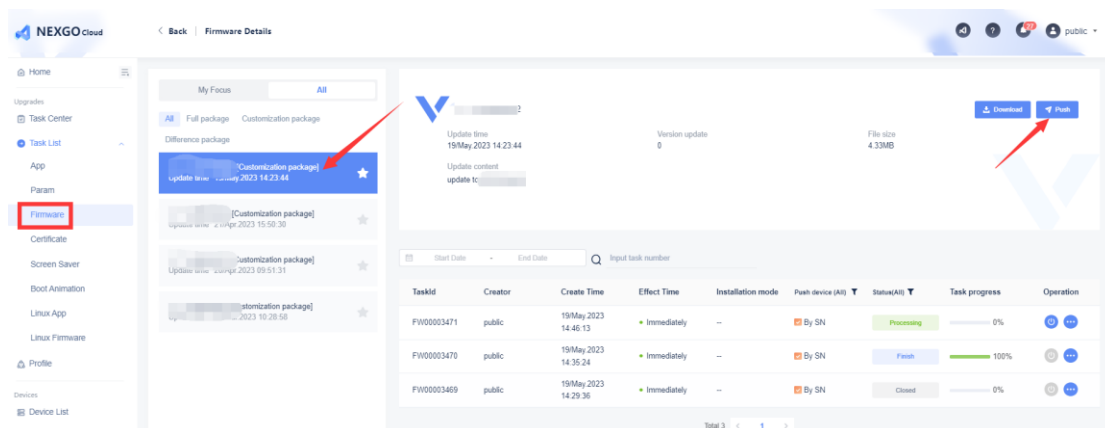
Instant Task

Previous

Push



In order to facilitate users to manage firmware, Nexgo provides more free operation permissions, that is, users can push historical versions of smart firmware as needed. When there are many firmware, in order to facilitate users to quickly find the desired firmware, NEXGO provides firmware attention function.



Example: User pushed OTA(V1.1.0_N86000001) to Tag(Hu-Test); then user pushed OTA(V1.1.0_N86000002) to Tags(Hu-Test & Merchant Test 1), system will close the task for OTA(V1.1.0_N86000001) for Tag(Hu-Test), and schedule upgrading tasks for OTA(V1.1.0_N86000002) for Tags(Hu-Test & Merchant Test 1); lastly user pushed

OTA(V1.1.0_N86000003) to Tag(Merchant Test 1), system will close the task for OTA(V1.1.0_N86000002) for Tag(Merchant Test 1), and schedule upgrading tasks for OTA(V1.1.0_N86000003) for Tags(Merchant Test 1), but for Tag(Hu-Test), it keeps the executing task -- OTA(V1.1.0_N86000002).

The screenshots show the NEXGO Cloud OTA management interface. Each screenshot displays a list of OTA tasks on the left and a detailed view of a selected task on the right.

Screenshot 1: The left sidebar shows three tasks. The selected task is V1.1.0_N86000001. The right panel shows details for V1.1.0_N86000001, including update time (5/Aug 2021 17:26:30), version update (0), and file size (17.04MB). The table below shows one task with status 'Closed'.

Push time	Installation mode	Group	Installed (unit)	Status	Operation
5/Aug 2021 17:26:59	General installation	Hu-Test	0	Closed	...

Total 1

Screenshot 2: The left sidebar shows three tasks. The selected task is V1.1.0_N86000002. The right panel shows details for V1.1.0_N86000002, including update time (5/Aug 2021 17:27:56), version update (0), and file size (311B). The table below shows two tasks: one with status 'Executing' and one with status 'Closed'.

Push time	Installation mode	Group	Installed (unit)	Status	Operation
5/Aug 2021 17:28:21	General installation	Hu-Test	0	Executing	...
5/Aug 2021 17:28:21	General installation	Merchant Test 1	0	Closed	...

Total 2

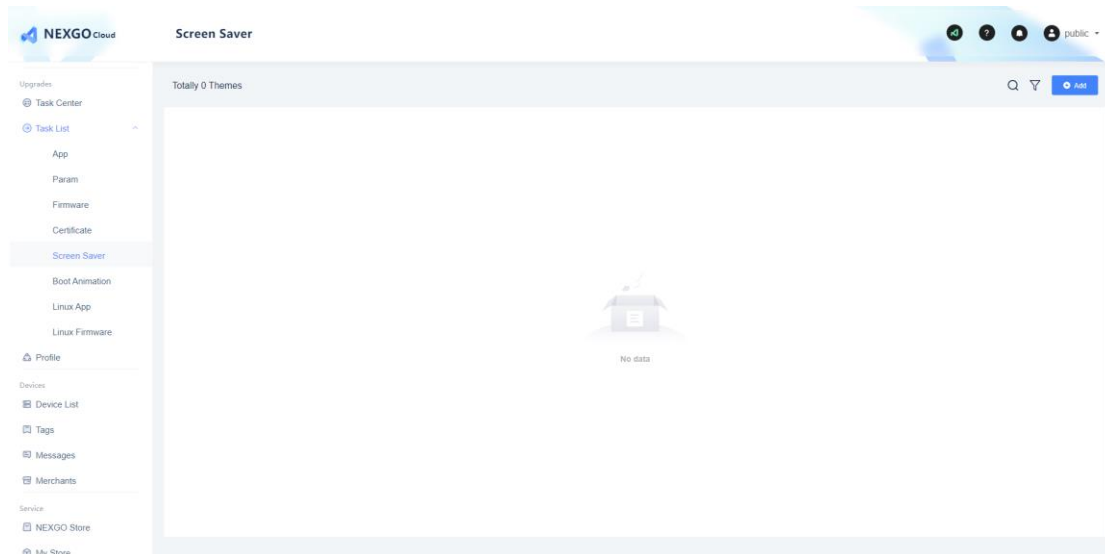
Screenshot 3: The left sidebar shows three tasks. The selected task is V1.1.0_N86000003. The right panel shows details for V1.1.0_N86000003, including update time (5/Aug 2021 17:31:34), version update (0), and file size (356B). The table below shows one task with status 'Executing'.

Push time	Installation mode	Group	Installed (unit)	Status	Operation
5/Aug 2021 17:31:52	General installation	Merchant Test 1	0	Executing	...

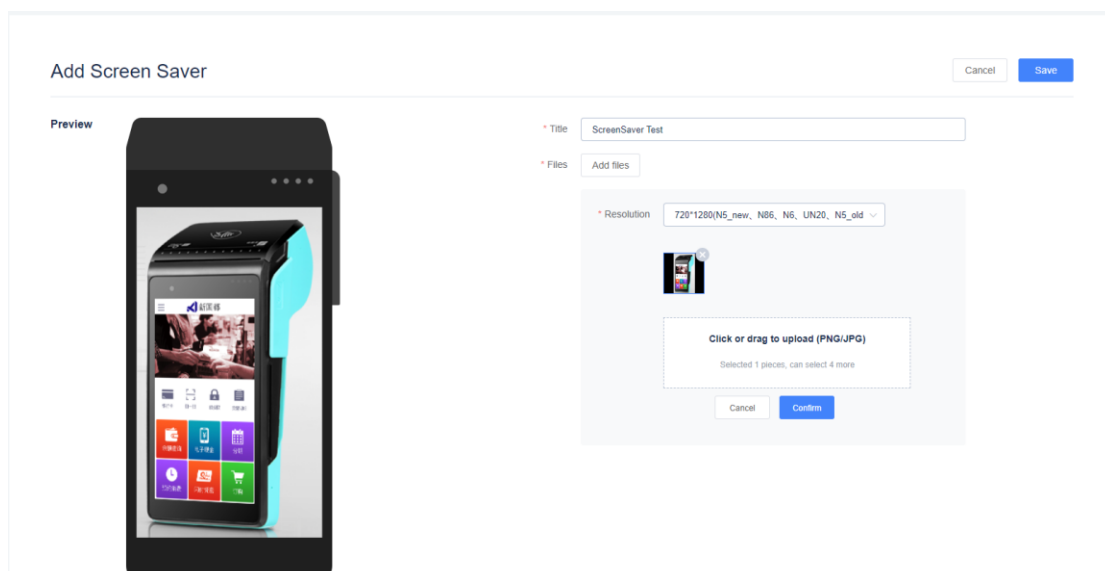
Total 1

Screen Saver

Firstly, system will display the uploaded screen saver list, user can add new screen saver by clicking button [Add].



System provides different resolution according to device models, after upload the required pictures, user can preview the results on left part.



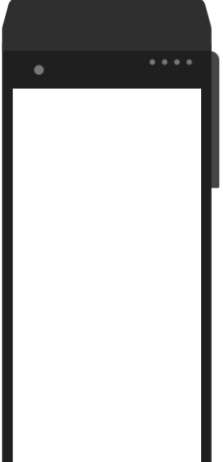
User can add screen saver pictures for different resolutions. At one moment, only one picture can be edited, if user wants to upload screen saver picture for different resolution, please click [Confirm] and then click [Add files] to add for other resolution.

Add Screen Saver

Cancel

Save

Preview



* Title

ScreenSaver Test

* Files

Add files

720*1280 (N5_new, N86, N6, UN20, N5_old, N5P, N6 Counter-top)

* Resolution

720*1440(P280)

Click or drag to upload

(PNG/JPG/MP4)

Less than 5 pieces of pictures, each picture should be < 1 MB, video file should be < 20 MB

Cancel

Confirm

After saved the pictures, user can push it to devices, the pushing way is same with App.

NEXGO Cloud

Screen Saver

Home

Upgrades

Task Center

Task List

App

Param

Firmware

Certificate

Screen Saver

Boot Animation

Linux App

Linux Firmware

Profile


Devices

Device List

Tags

Messages

Totally 1 Themes



ScreenSaver Test

N5_new, N86, N6, UN20, N5_p...

1 Tags/Devices

2 Push

Choose Tags

Choose Devices

Import Devices

Tag List

Intersection

Union

N86-Test

N5-Terminal

UN20

lee

G5-Test

Hu-Test

Hu-Linux

wuyuxi

Hu

Disglobal-test

Mike

ZhuYi

wuzuqi_traditioal_models

wuzuqi_smart_models

1

2

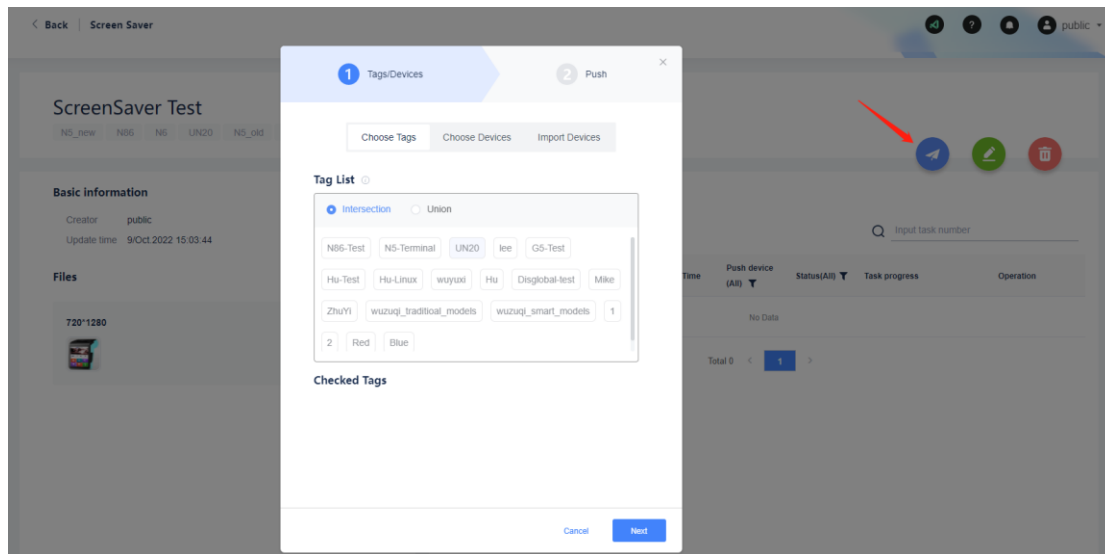
Red

Blue

Checked Tags

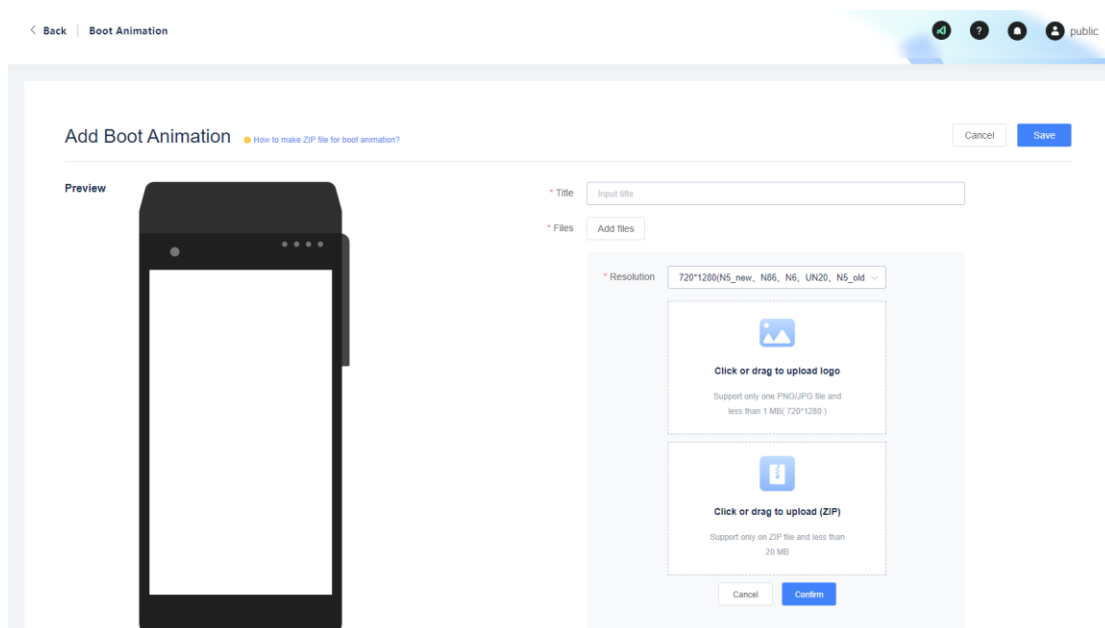
Cancel

Next



Boot Animation

Firstly, system will display the uploaded boot animation list, user can add new boot animation by clicking button [Add].



Please notice the packing rules when generating the animation file (.zip).

The pushing way is the same with screen saver.

< Back | Boot Animation

Add Boot Animation

How to make ZIP file for boot animation?

Preview

xxx.zip

pic

Please make sure to name the folder inside the ZIP file with "pic"

Name	Size	Compressed size	Type	Updated time
xxx_001.png	12, 666	6, 751	png	2020/11/23
xxx_002.png	27, 599	10, 795	png	2020/11/23
xxx_003.png	20, 669	13, 685	png	2020/11/23
xxx_004.png	12, 413	15, 239	png	2020/11/23
xxx_005.png	24, 306	17, 149	png	2020/11/23
xxx_006.png	26, 553	19, 004	png	2020/11/23
xxx_007.png	28, 937	11, 681	png	2020/11/23

Pictures ≤60
Size of each picture ≤30KB

Boot Animation

Totally 1 Themes

Boot Animation Test

N5_new, N86, N6, UN20, N5_p...

1 Tags/Devices

2 Push

Choose Tags

Choose Devices

Import Devices

Tag List

☒ Intersection ☐ Union

N86-Test N5-Terminal UN20 lee G5-Test

Hu-Test Hu-Linux wuyuxi Hu Disglobal-test Mike

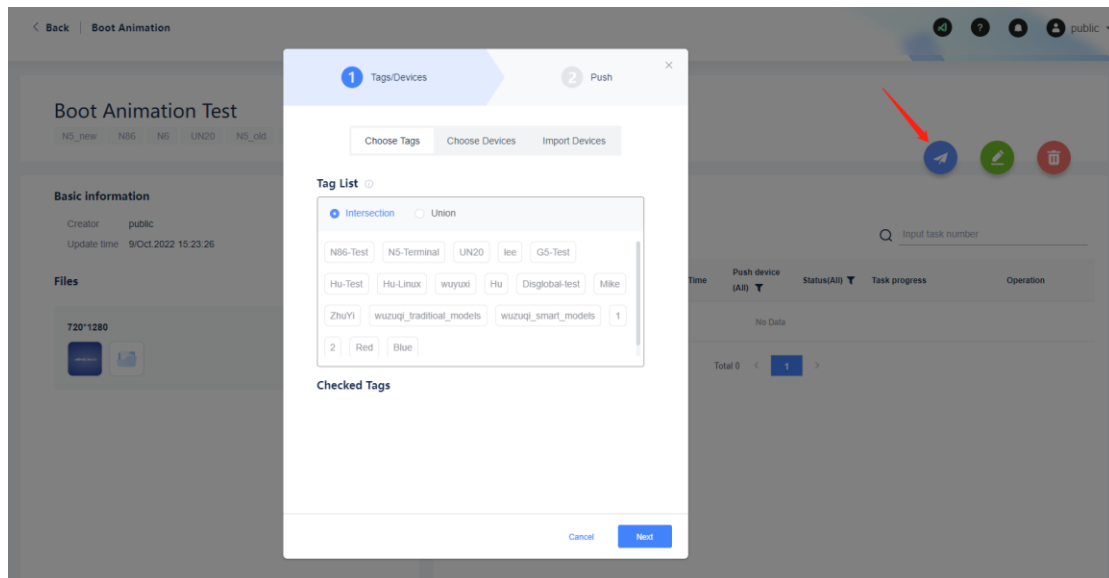
ZhuYi wuzuqi_traditioal_models wuzuqi_smart_models 1

2 Red Blue

Checked Tags

Cancel

Next

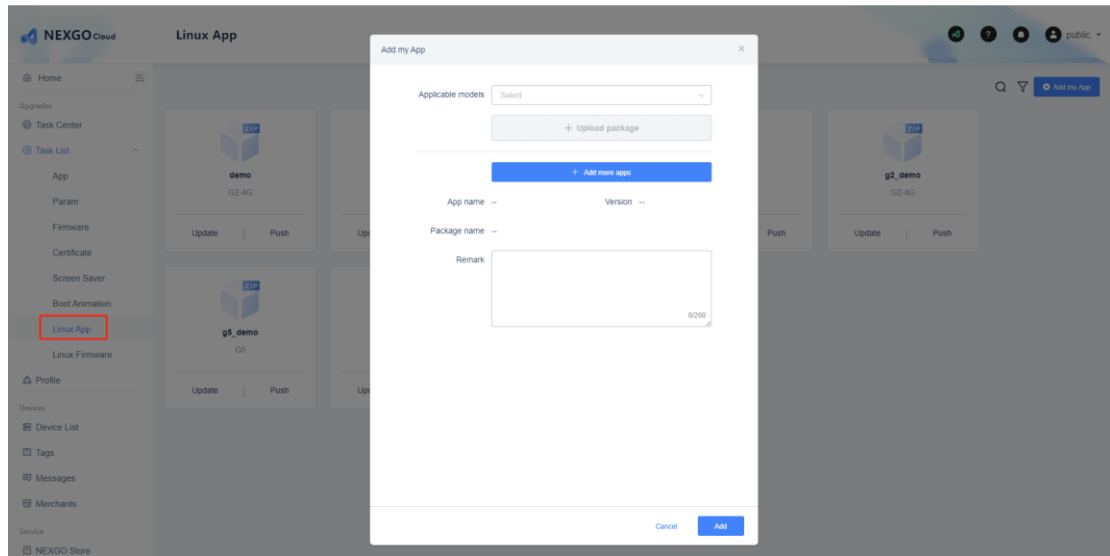


Linux App

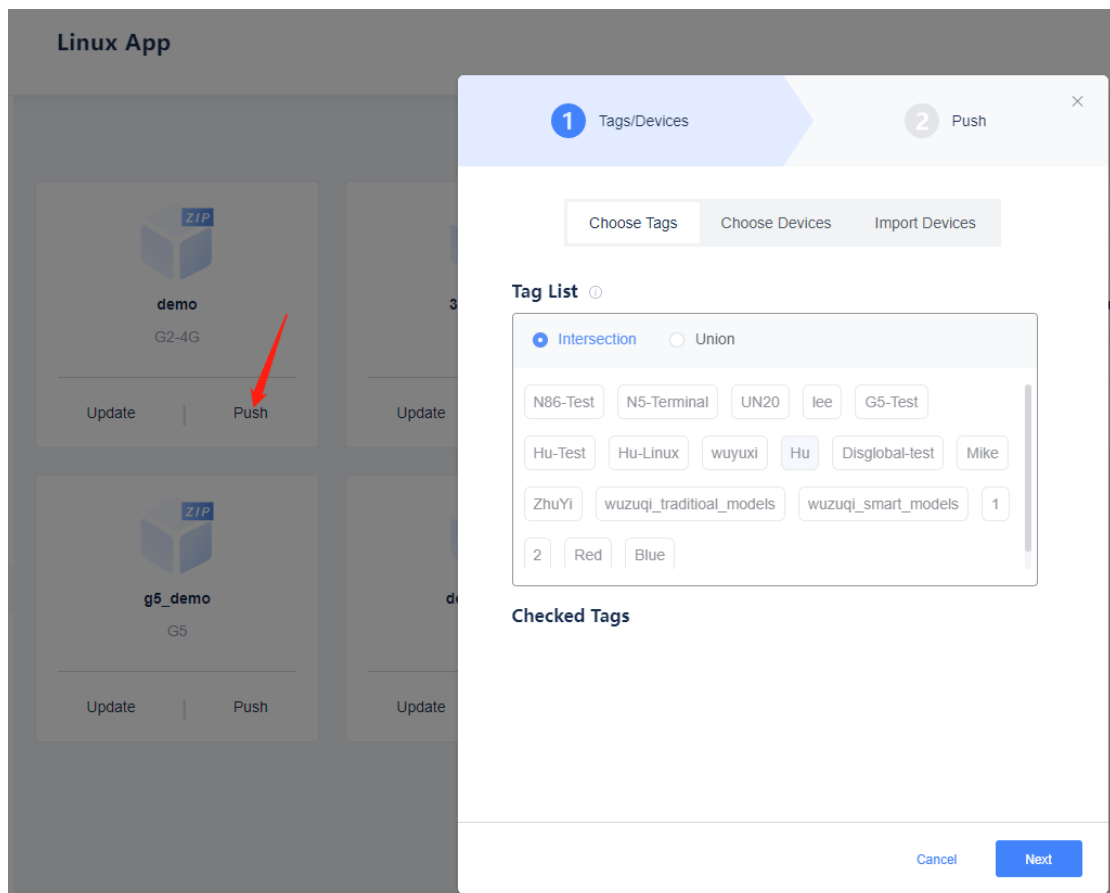
Nexgo Linux devices also can be managed by Nexgo Cloud system. Different with android devices, all of Linux devices only support the heartbeat connection, which means there is no MQTT with Linux devices, so they will access to system by cycle.

Nexgo team provides TMU for packing the Linux app and firmware, developer should pack the files with TMU before uploading on Nexgo Cloud system, and normally the packed app is end with [.zip].

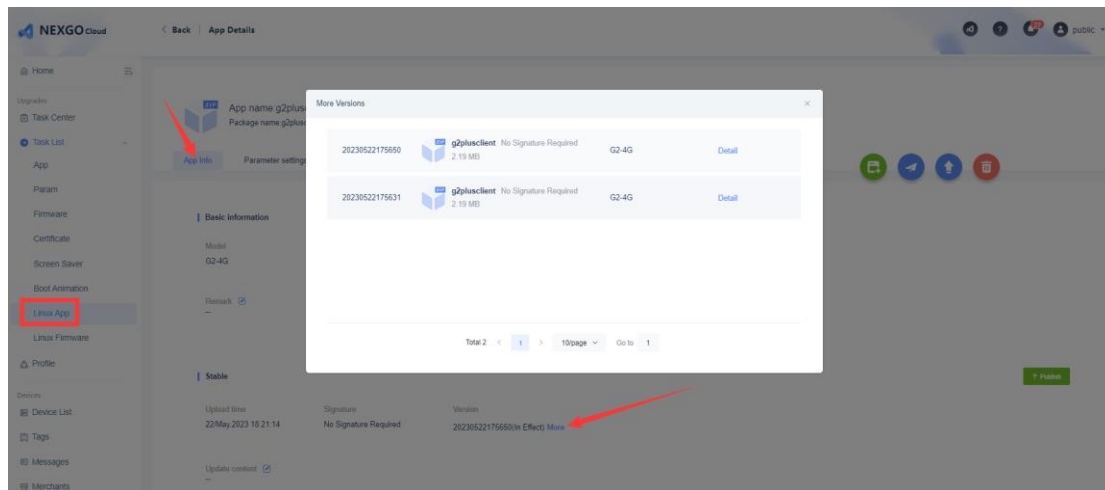
Different with android apps, Linux app is working for a specific Linux device model, so user should choose a single device model when uploading. Nexgo Cloud will parse the app when uploading, and display the basic information like app name, version and file size etc.



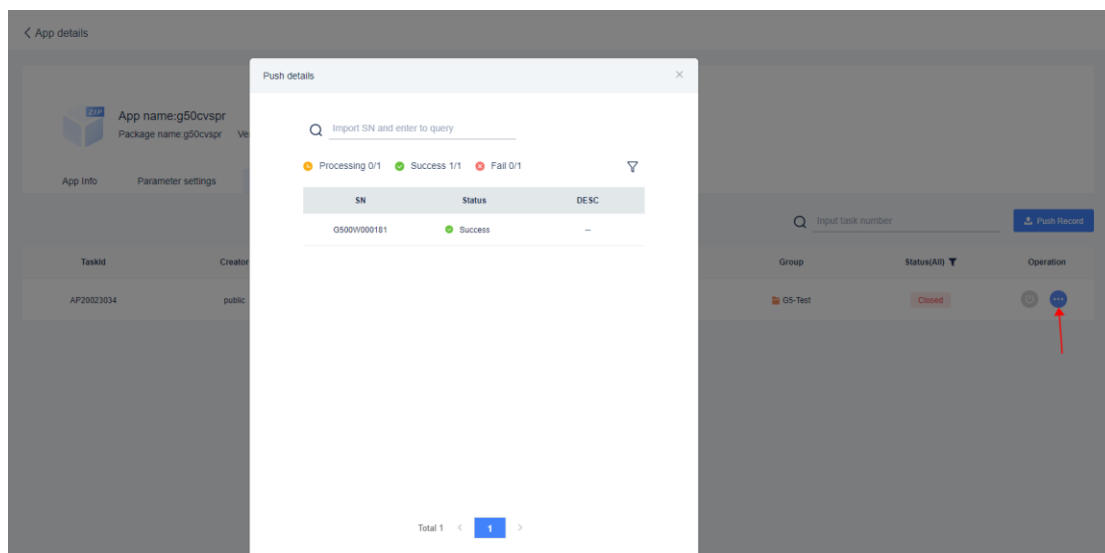
The pushing way is same with the Android App pushing.



User can manage the versions of the app in the tab of the app info.



Same with android app, user can relevant the parameters for the app, user also can check the pushing records and the details of each task.



Linux Firmware

Same with the Android OTA, the Linux firmware file is released/uploaded by Nexgo team, the distributor users can only check/push it. But user can only choose the target tags/devices for pushing.

The screenshot displays the NEXGO Cloud interface for Linux Firmware. The left sidebar shows the navigation menu with 'Linux Firmware' highlighted. The main area shows two firmware packages: 'G5' (20220621160205) and 'G2-4G' (20220428170301). A modal window titled 'Tags/Devices' is open, showing a 'Tag List' with various tags like 'N86-Test', 'N5-Terminal', 'UN20', 'lee', 'G5-Test', 'Hu-Test', 'Hu-Linux', 'wuyuxi', 'Hu', 'Disglobal-test', 'Mike', 'ZhuYi', 'wuzuqi_traditioal_models', 'wuzuqi_smart_models', '1', '2', 'Red', and 'Blue'. The 'Intersection' radio button is selected. Below the tag list is a 'Checked Tags' section. The modal has 'Cancel' and 'Next' buttons at the bottom right.

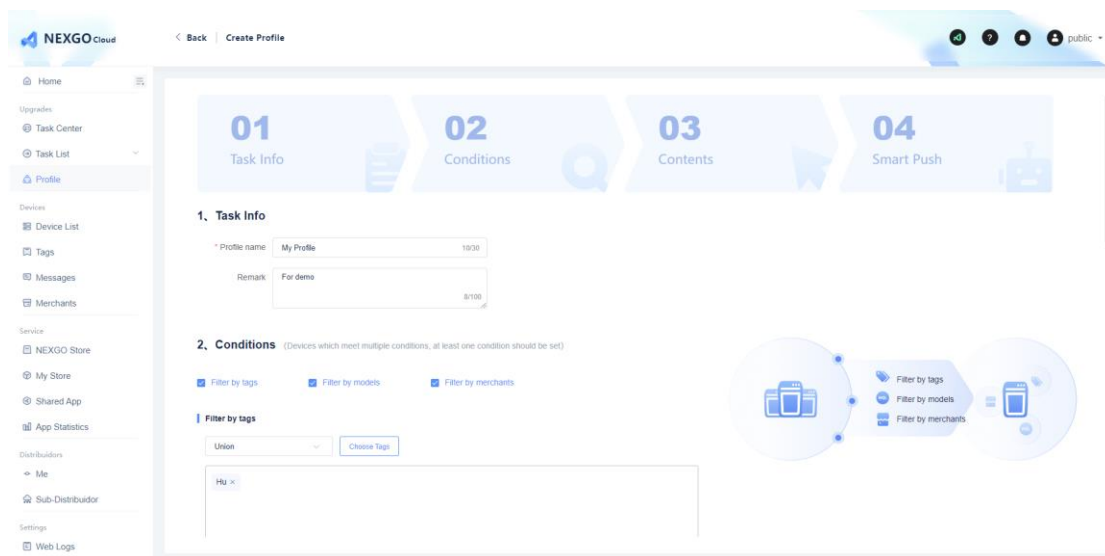
The second screenshot shows the 'Linux Firmware Details' page. It displays a list of firmware updates under 'My Forces' and 'All' tabs. The 'All' tab shows a table of updates with columns: TaskId, Creator, Create Time, Effect Time, Push device (All), Status/All, Task progress, and Operation. The table lists several tasks with their respective details.

TaskId	Creator	Create Time	Effect Time	Push device (All)	Status/All	Task progress	Operation
FW10000048	public	4/Aug 2022 16:46:31	Immediately	Group	Closed	0%	Stop
FW10000047	public	4/Aug 2022 16:36:42	Immediately	Group	Closed	0%	Stop
FW10000041	public	22/Jun 2022 10:52:47	Immediately	Group	Closed	0%	Stop
FW10000040	public	22/Jun 2022 09:40:00	Immediately	Group	Closed	0%	Stop
FW10000039	public	22/Jun 2022 09:39:06	Immediately	Group	Closed	0%	Stop

Profile

User can set profile for upgrading, profile means user can filter devices by tags/models/merchants and set the Apps/Params, and set effect period for update.

Please note the difference of tag intersection and union.



Filter by models

Choose Models

NS_new x

Filter by merchants

Choose Merchants

Test Merchant x

3. Contents

Apps/Parameters

App list

Q Input name



Agent illocash
22.87MB Agent Application



3. Contents

Apps/Parameters

Added app number 2 , param number 0



INBAS
INBAS20220617001

Relevant Params

Remove App



CVSISP
CVSISP202206020023

Relevant Params

Remove App

App list

Q Input name



Agent illocash
22.87MB Agent Application



LYJUM
14.10MB test



AriaSoft POS
25.63MB nardens



Control
4.58MB bygfh

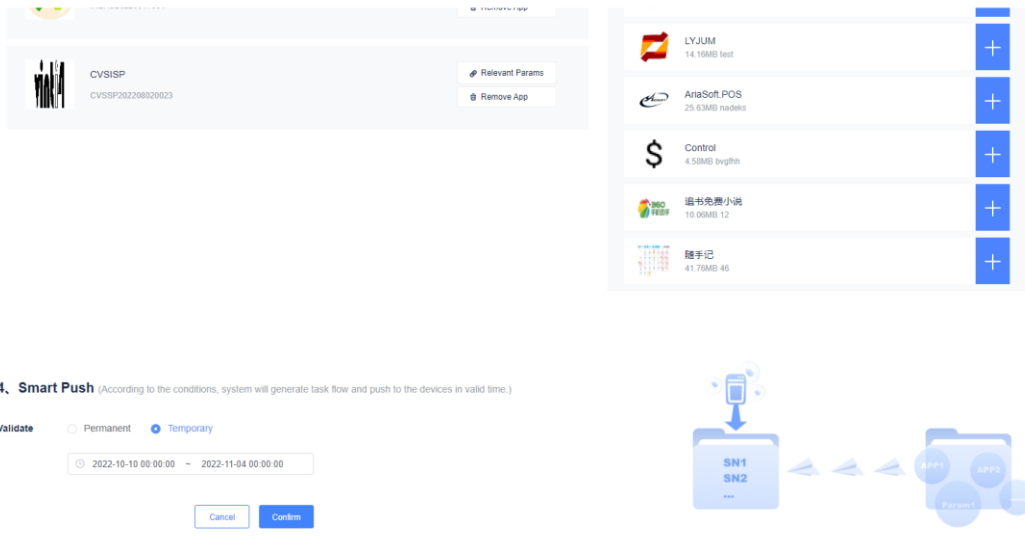


追书免费小说
10.06MB 12



随手记
41.75MB 45



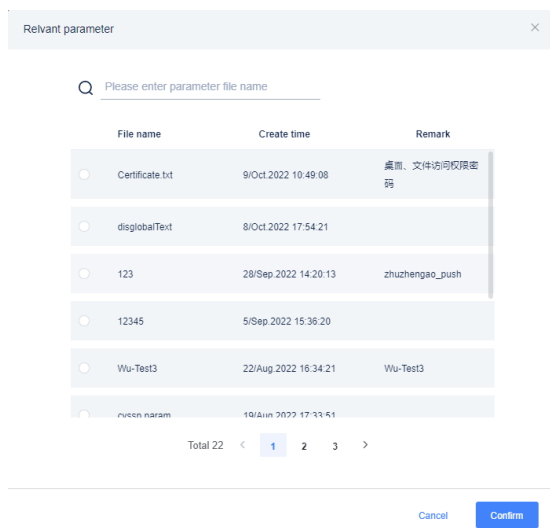
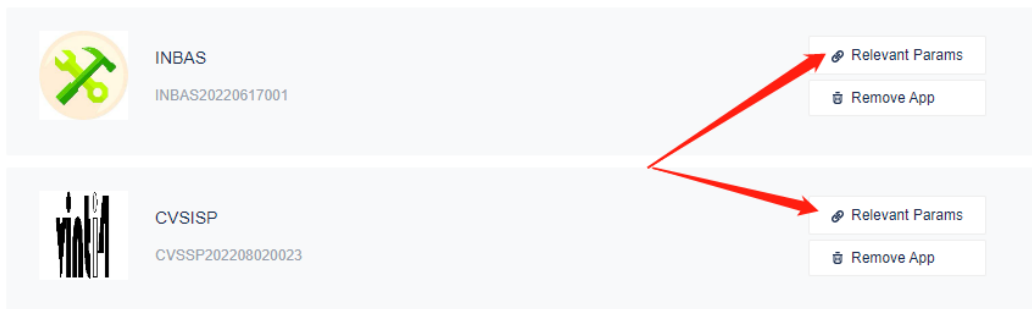


User can set the parameters for each App.

3. Contents

Apps/Parameters

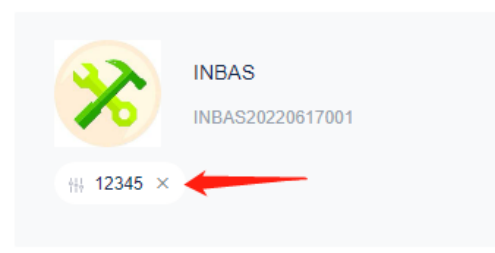
Added app number 2 , param number 0



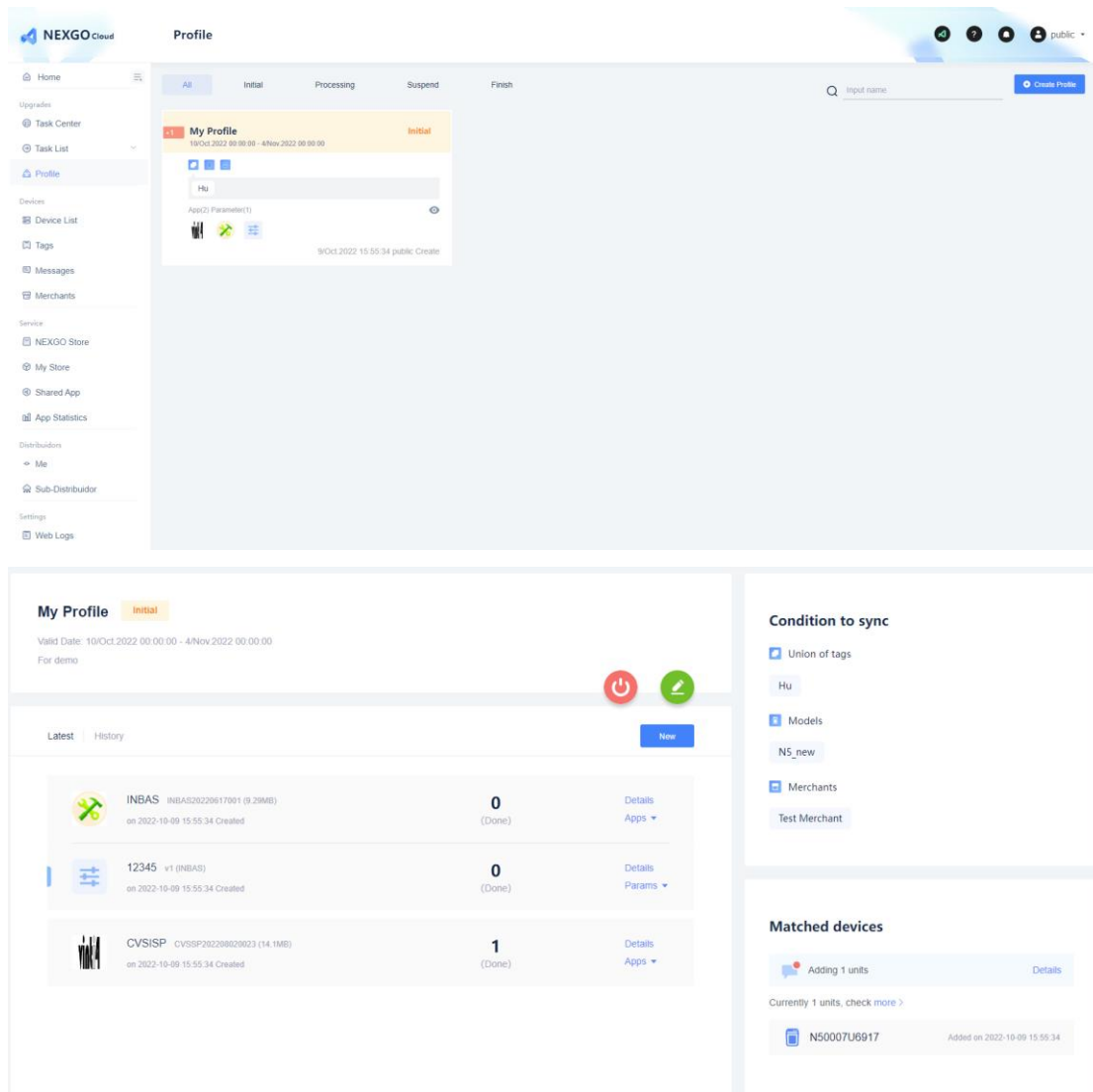
3. Contents

Apps/Parameters

Added app number 2 , param number 1



After configured profile, user can check the status by clicking the profile card.

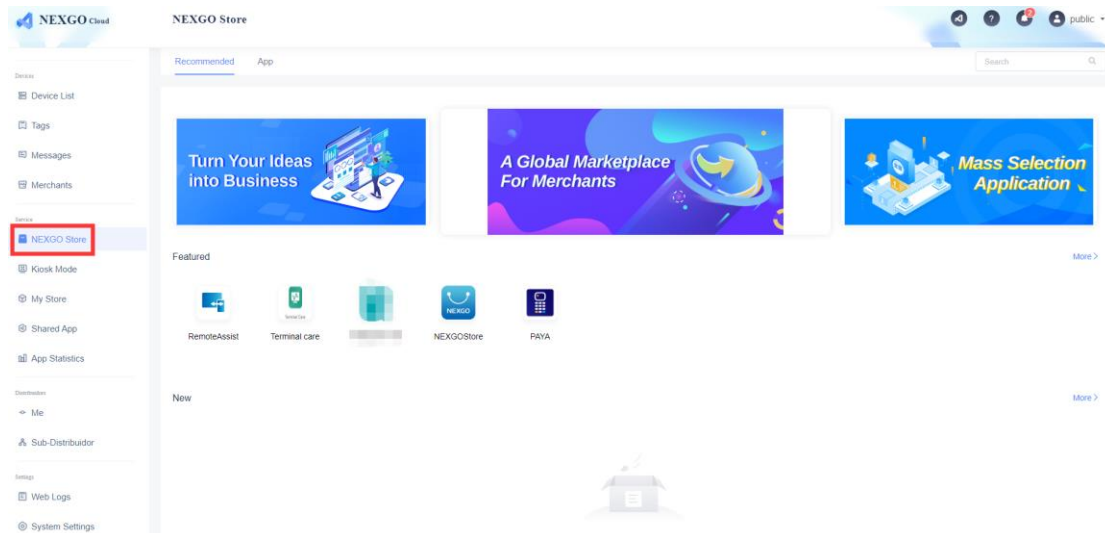


The devices which match the condition will get the updates in this profile. Even user put new devices in the tag/merchant/model, the new devices can also get updates in this profile.

Services (how to manage AppStore?)

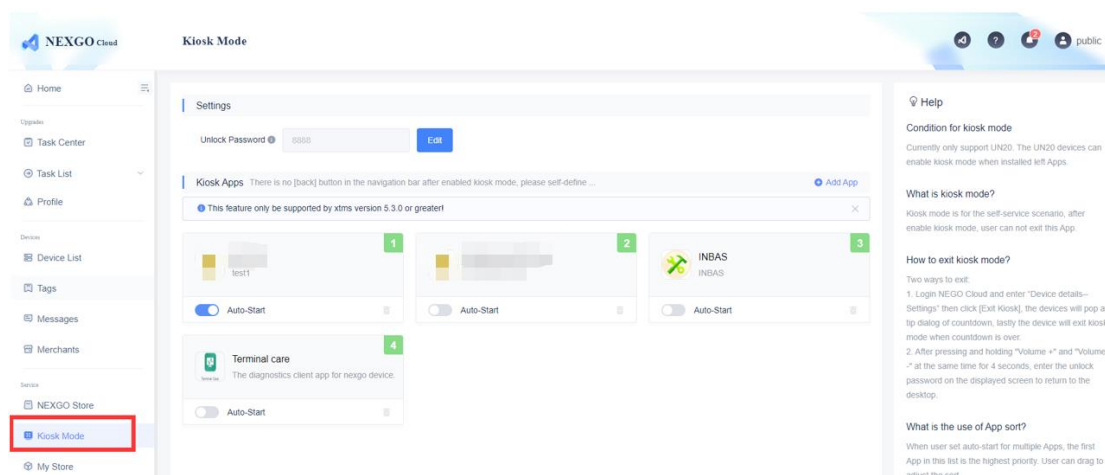
Nexgo Store

User can get Apps from Nexgo store, such as new version of XTMS client App. When the 3rd developers uploaded Apps in Nexgo Developer Platform, and Cloud system administrator audited these Apps, system would display them here.



Kiosk Mode

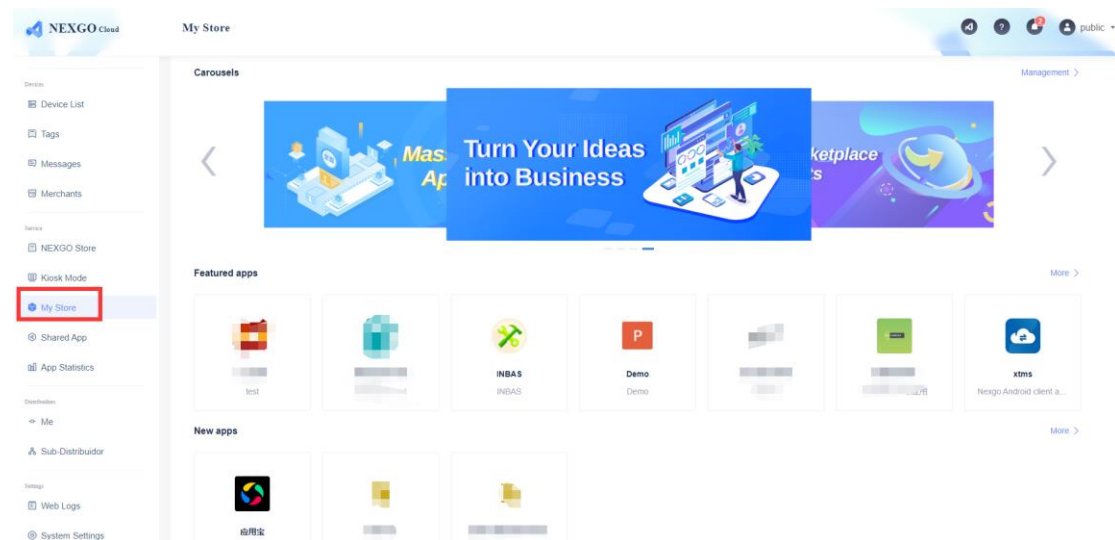
User can set kiosk mode and auto-start for multiple Apps in the following Cloud page. Kiosk mode is for the self-service scenario, user cannot exit this App easily after enable the mode. However, please rest assured that there are two ways for users to exit the kiosk mode, refer to [Help] bar in the right of the following Cloud page. In addition, there is some information is available for users' reference about kiosk mode on this page.



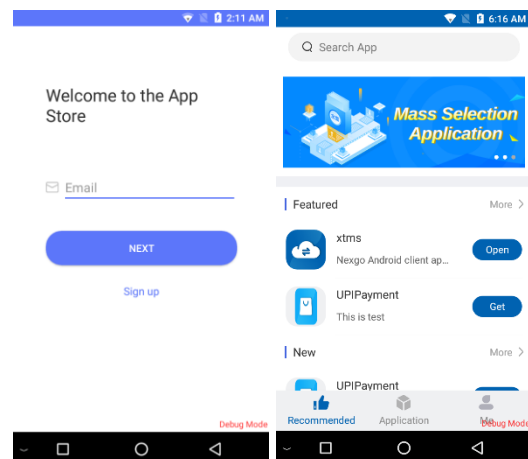
My Store

Each distributor owns the private app store, there is the client app for app store

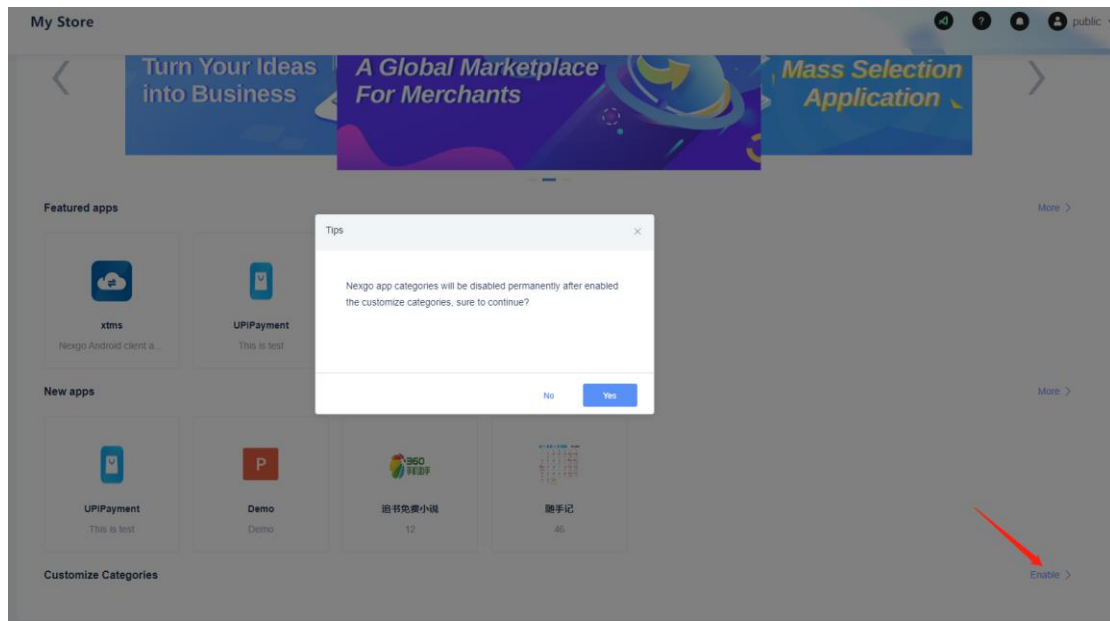
connection. User can manage the carousels and featured apps in the recommend tab in this page.



Before the client app connect to system, it's required to register with the merchant email.



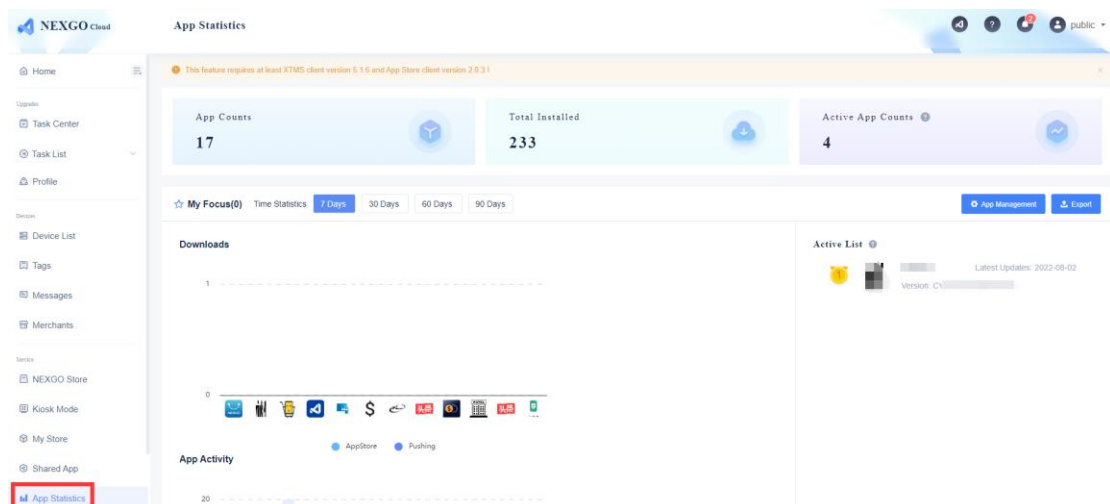
User can define the App categories, if this is enabled, the App store of this distributor will drop the App categories which defined by Nexgo.

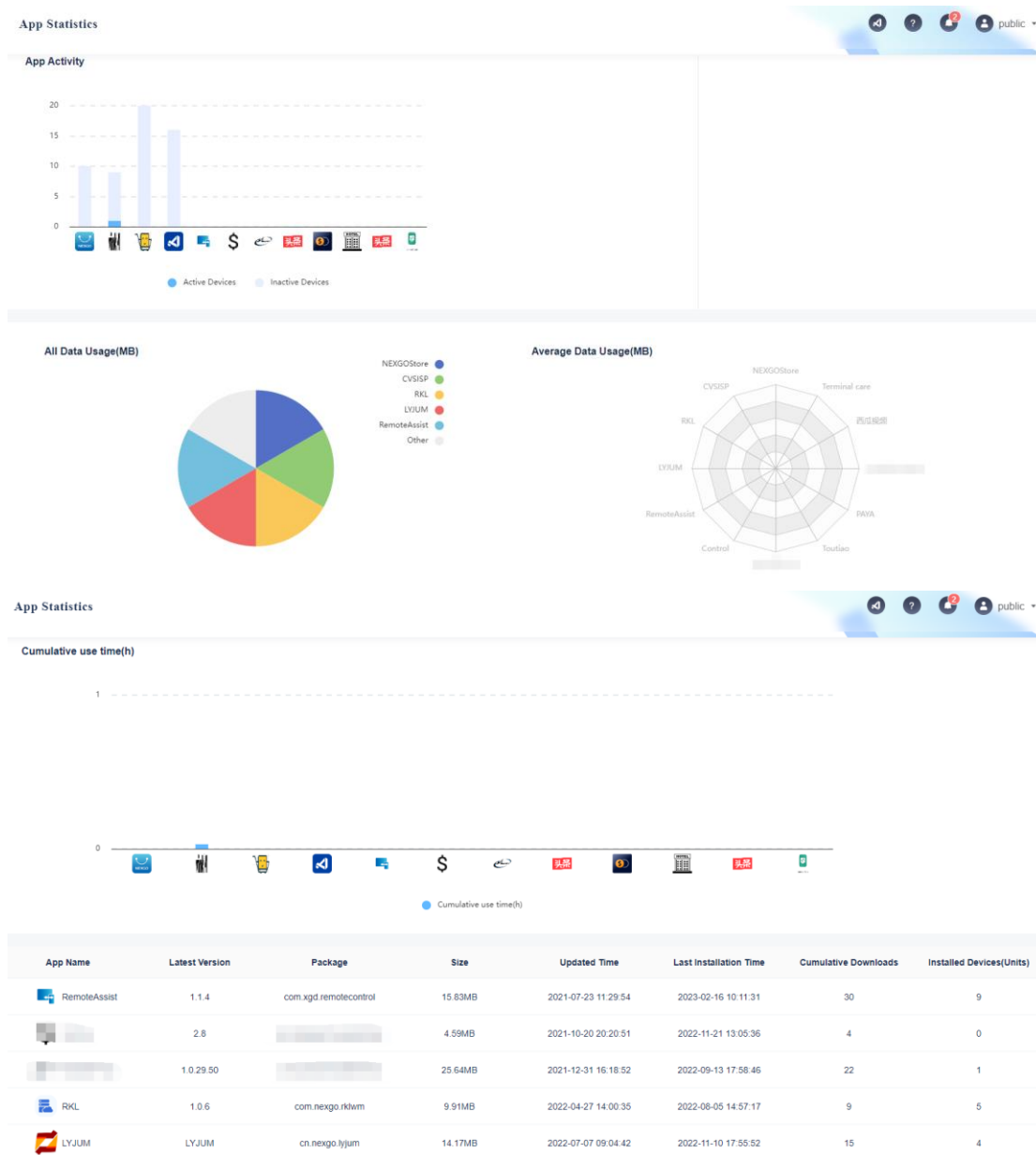


App Statistics

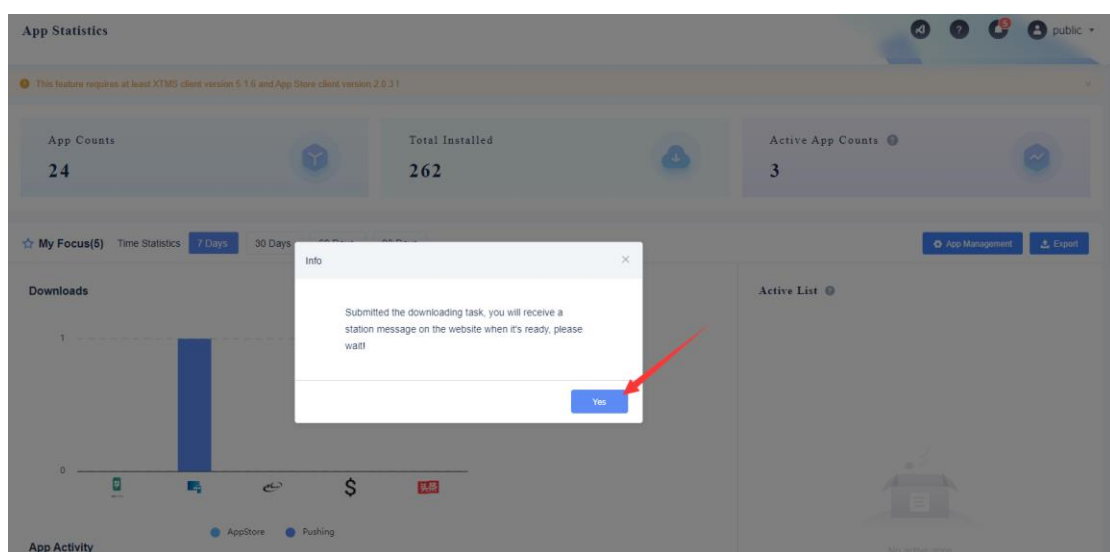
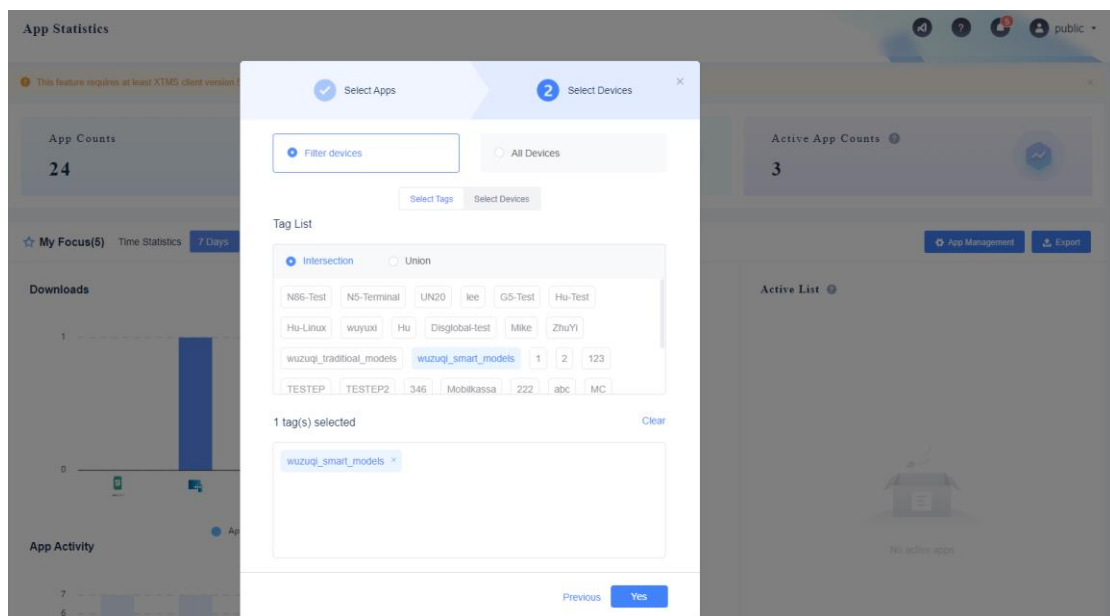
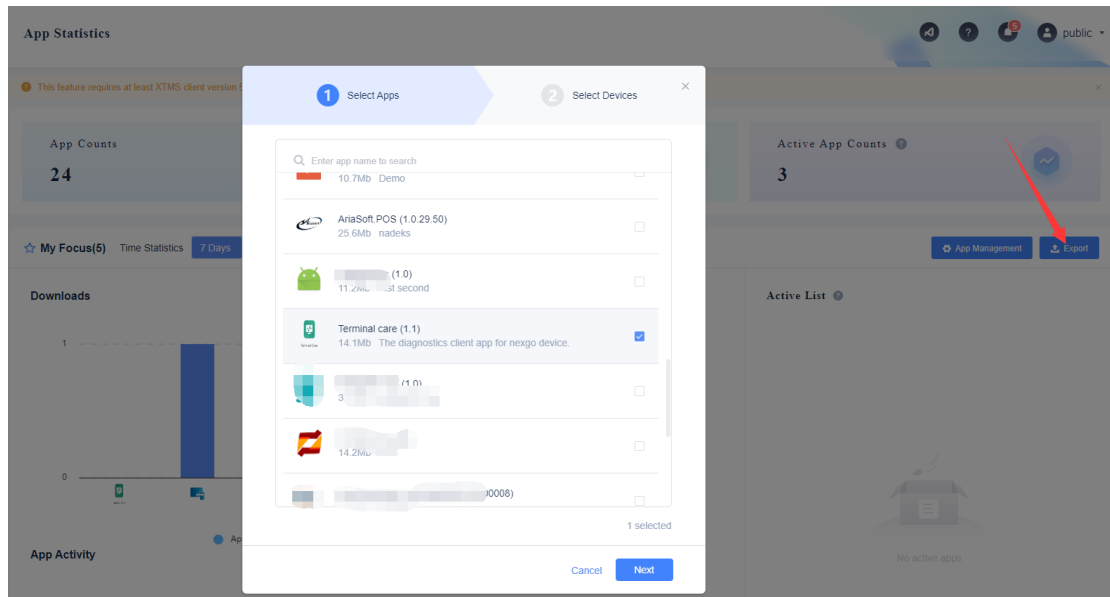
User can get the overview of App information, such as downloads/data usage/usage time of each App etc.

Note: This feature requires XTMS client App version greater than 5.1.6 and App Store client App version greater 2.0.3.





In addition, users can asynchronously download Apps' statistics. Users need to select Apps, filter devices, and then waiting for the download task completed. After downloaded, website will send a message to inform, users can click the message and download the excel file. Please refer to the following pictures for operation.



App Statistics

This feature requires at least XTMS client version 5.1.6 and App Store client version 2.0.3.1

App Counts
24

Total Installed
262

Active App Counts
3

My Focus(5)
Time Statistics
7 Days
30 Days
60 Days
90 Days

App Management
Export

Downloads

Active List

No active apps

App Activity

AppStore Pushing

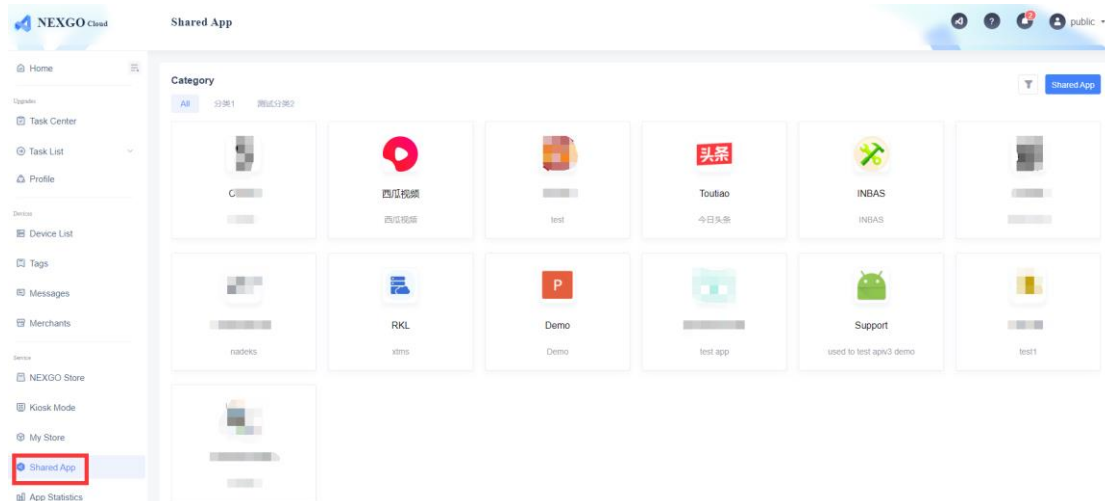
Back
Download Center

Info: The exported file is too large and it will be automatically deleted after 3 days, please download in time!

File name	Type	Export time	Status	Operate
terminal_application_statistics_table.xlsx	App Statistics	2023-04-03 15:12:34	Accessible	Download
terminal_application_statistics_table.xlsx	App Statistics	2023-04-03 14:56:02	Accessible	Download
terminal_application_statistics_table.xlsx	App Statistics	2023-04-03 14:52:08	Accessible	Download
terminal_application_statistics_table.xlsx	App Statistics	2023-04-03 14:48:53	Accessible	Download
terminal_application_statistics_table.xlsx	App Statistics	2023-04-03 14:47:47	Accessible	Download
terminal_application_statistics_table.xlsx	App Statistics	2023-04-03 14:45:18	Accessible	Download

Shared App

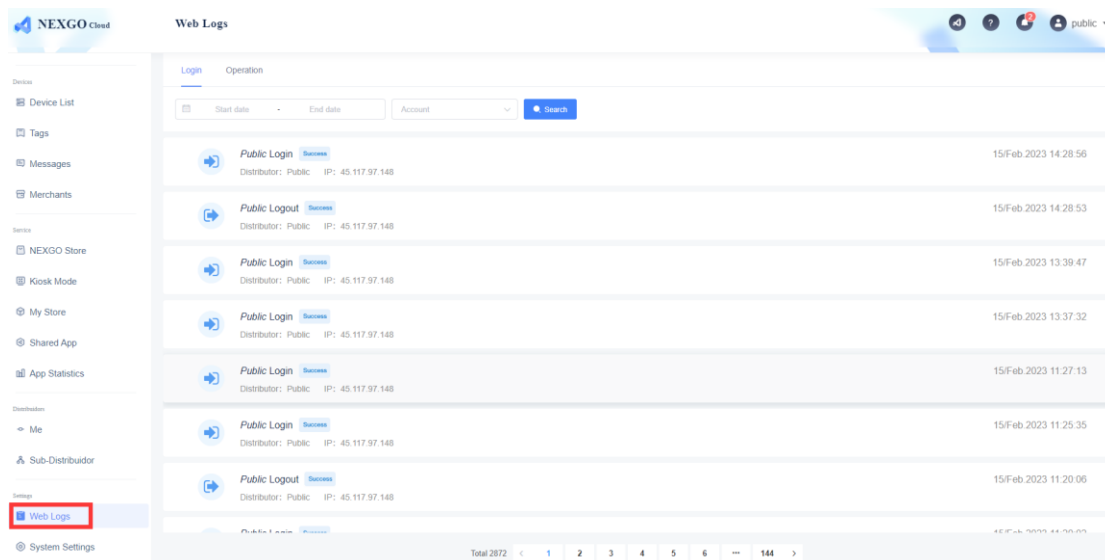
User can manage the shared Apps in [Shared App].

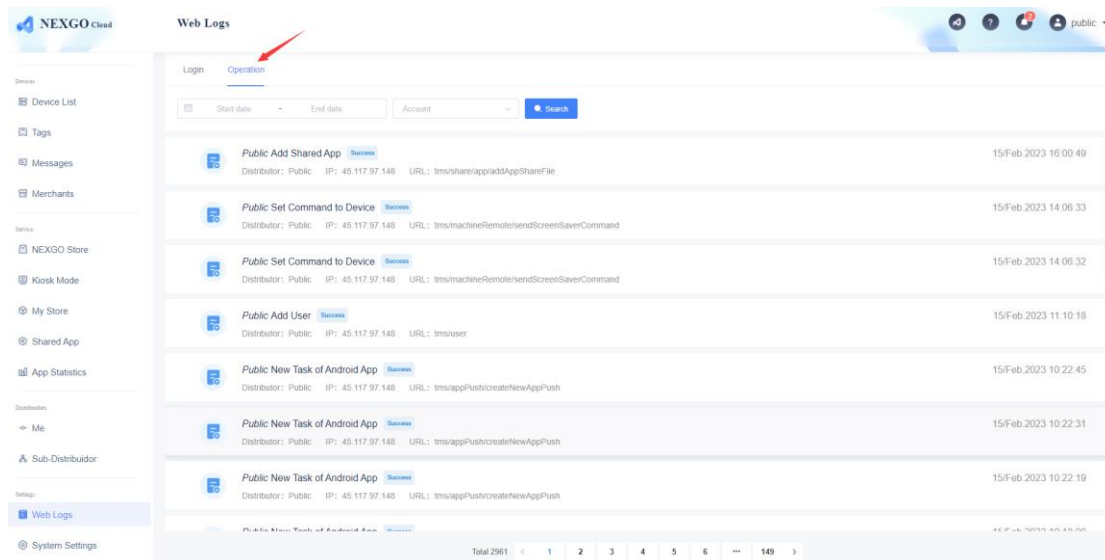


Settings (how to configure device settings?)

Web Logs

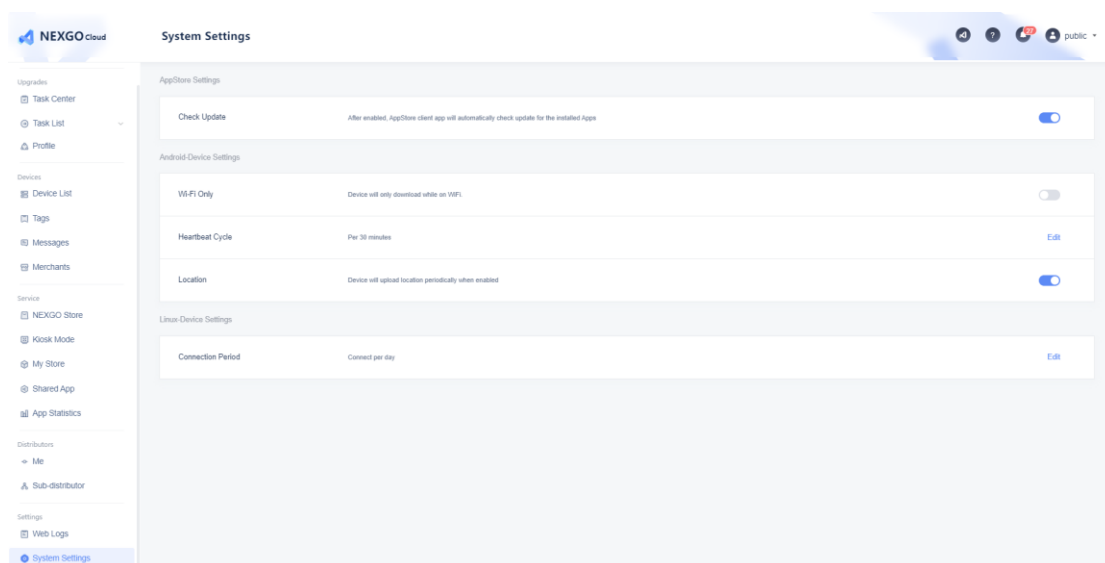
User can check the login/operation records in this page. For each tab, the account/client IP/operation time/operation result is basic information, in operation tab, the request URL is necessary.



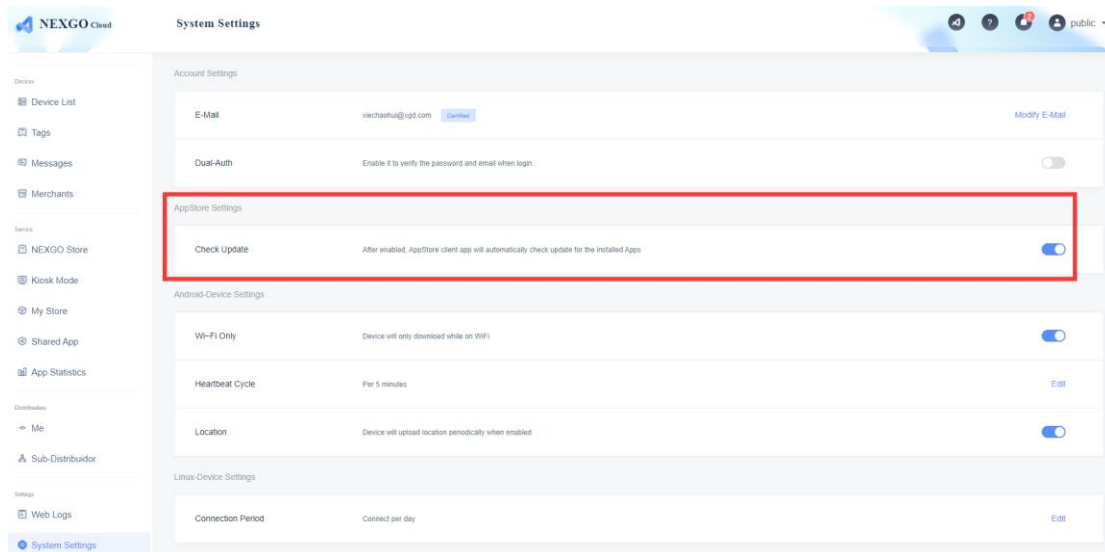


System Settings

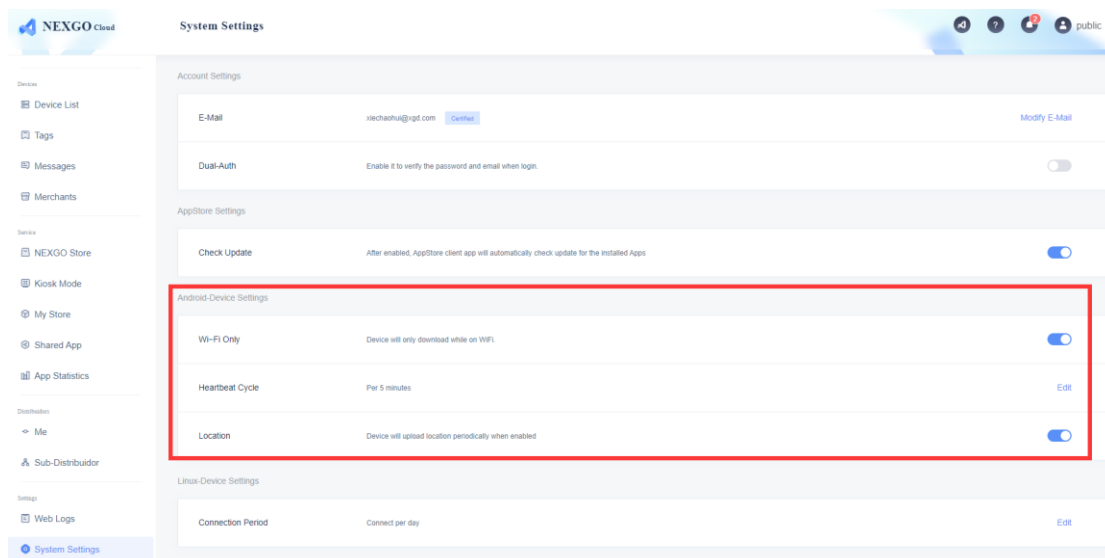
User can set [Heartbeat Cycle], enable [Location] and can set [Connection Period].



For the devices which installed App Store client, it would check update from Cloud system after enabled [Check Update] in [AppStore Settings].



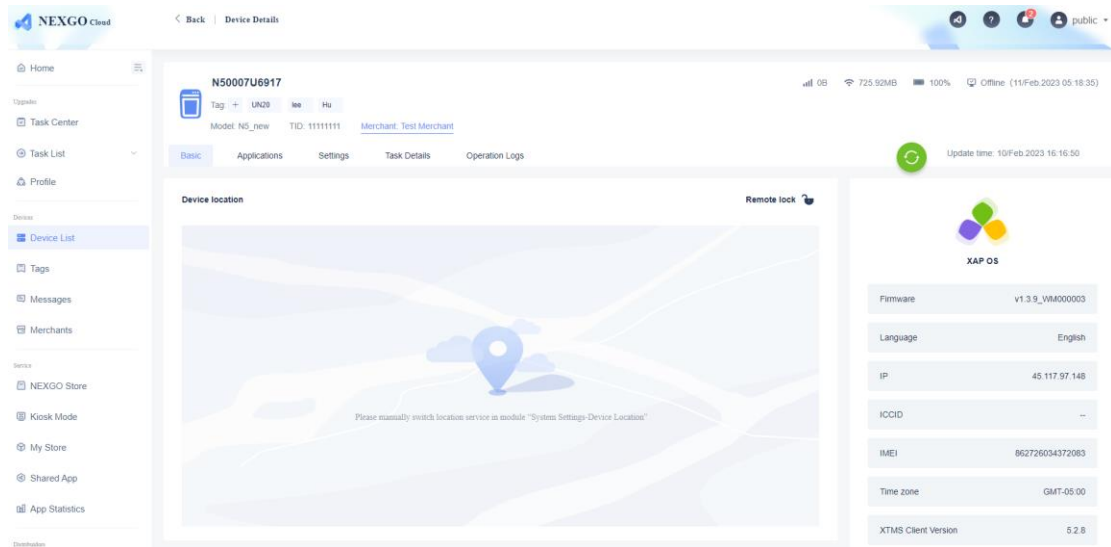
Regarding the [XTMS client App Settings], all of these settings are not real-time effects, that means after finish the settings, device will get them in next heartbeat request, then affect to next-next heartbeat.



[Wi-Fi Only]: If user enabled this, devices will get updates only connected to Wi-Fi, otherwise devices will get updates no matter SIM card or Wi-Fi module.

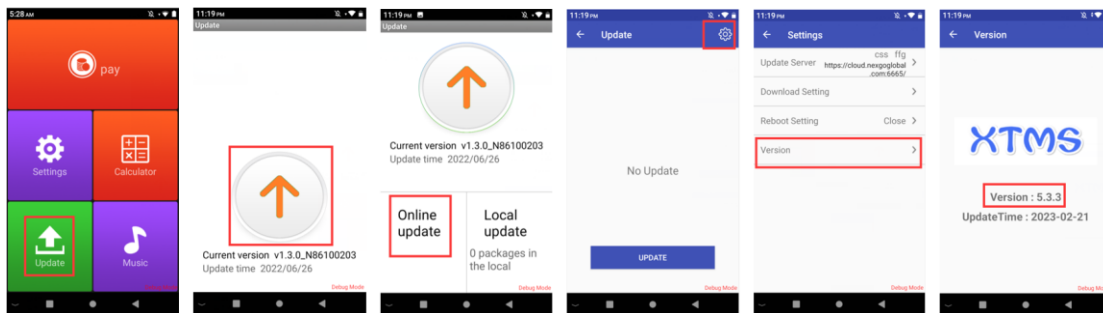
[Heartbeat Cycle]: Only working for Android devices. The minimal heartbeat cycle is 5 minutes, the maximal heartbeat is 6 hours.

[Location]: Default value is [Disabled], please enable it manually when user wants to use it. If user disabled this option, the device will not upload the location information to Cloud system, and in the device details page, system will not display location and Geo-Fence module, the [Device Map] menu will not display also.

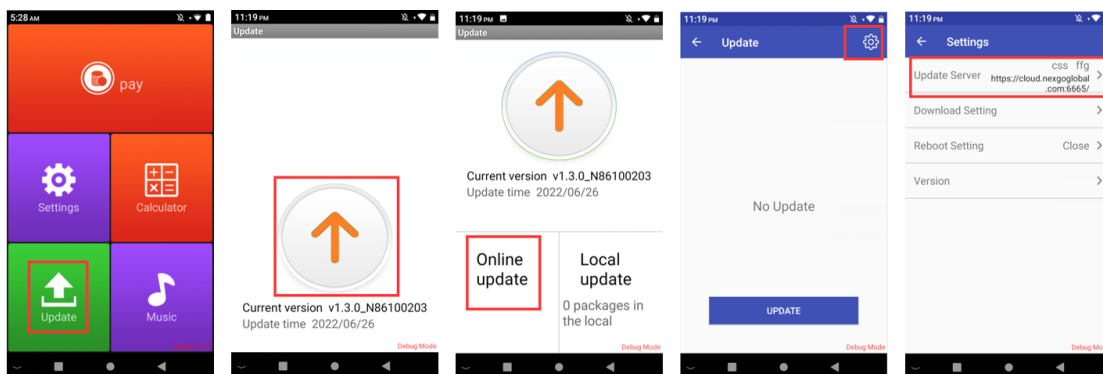


FAQ

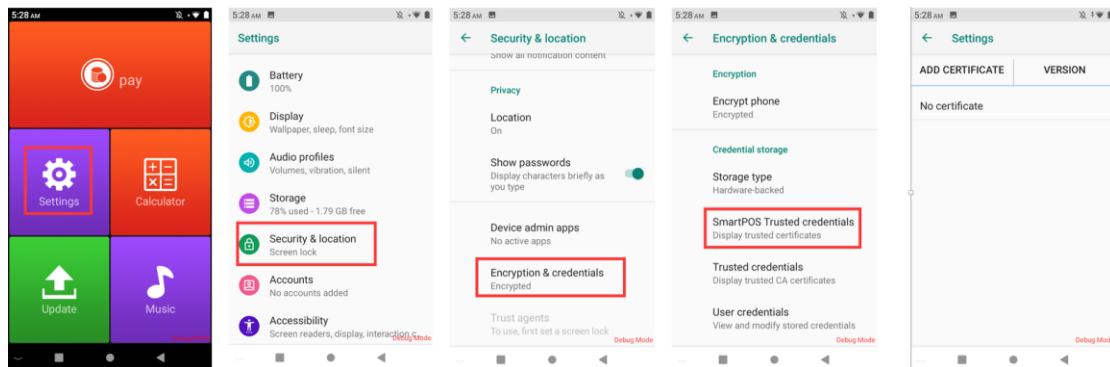
1. How to check the XTMS client version?



2. How to check the update server?

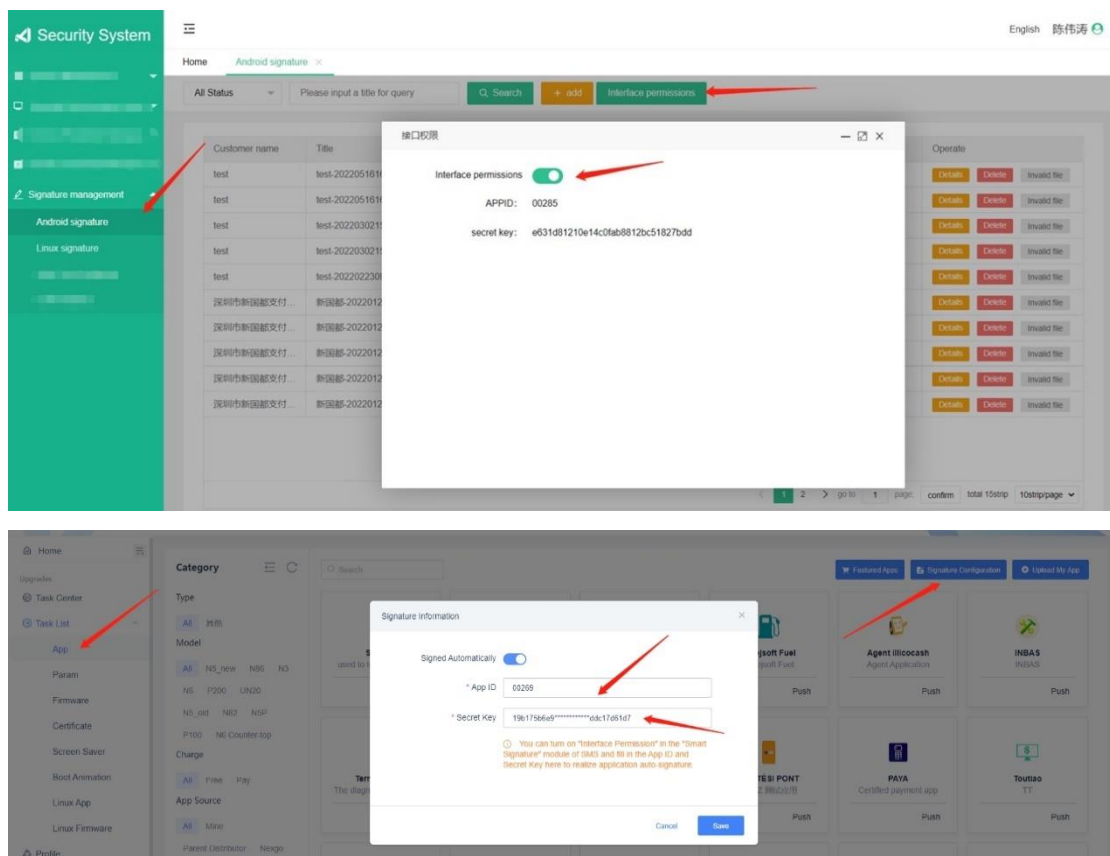


3. How to check the certificate for app signature?



4. How to implement automatic signature?

User can get App ID and Secret Key from the SMS platform and configure them on Nexgo Cloud.



5. After we configured parameters for applications, how to find the path in our devices?

Taking the RemoteAssist application as an example:

N3: /storage/emulated/0/xtms_param/app/com.xgd.remotecontrol

N86: /N86/Internal shared storage/xtms_param/com.xgd.remotecontrol

Noted: When we first push an application and relevant parameters together, the path will be automatically created. But if we were just pushing an application for the first time, it cannot be automatically created, only after pushing parameters to the application will it be automatically created.