



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

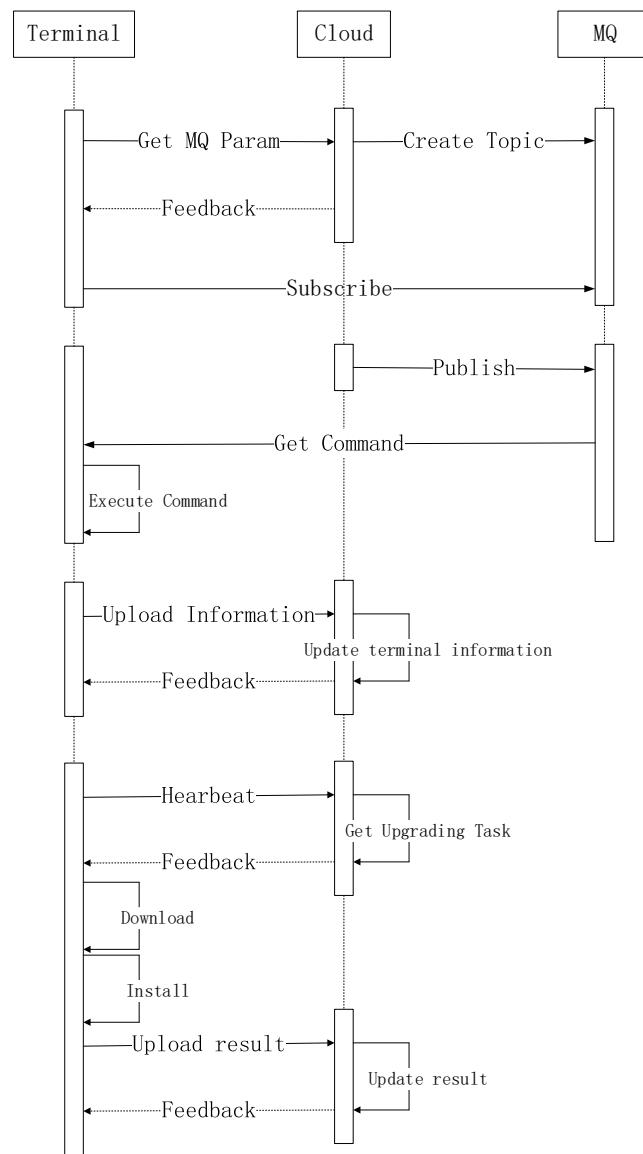
Linux models:

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

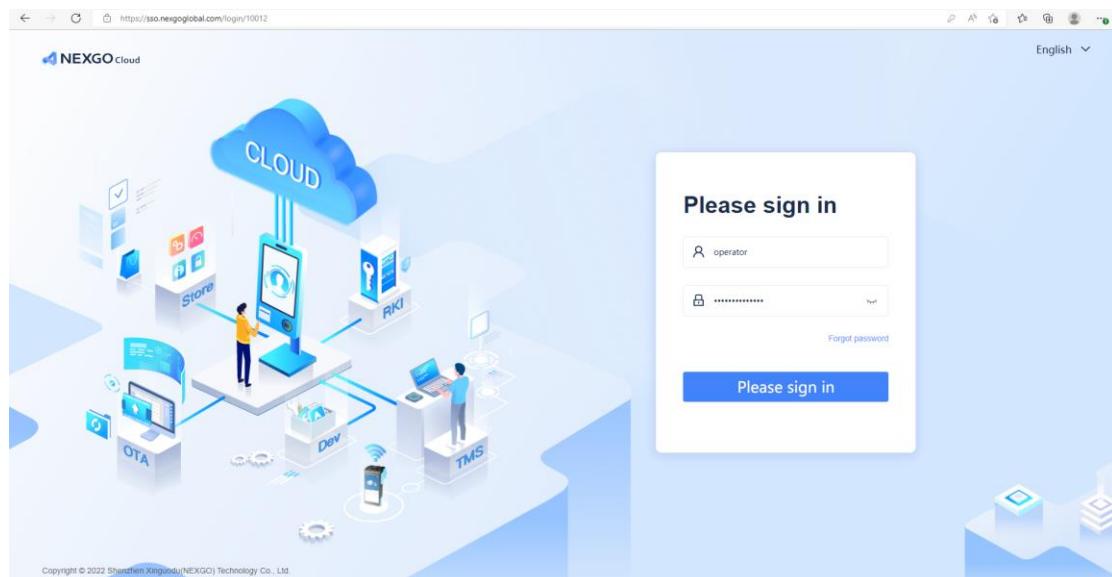
Normally NEXGO salesman and NEXGO customer will decide together about the XTM position of deployment. In this document, we will describe in NEXGO server.

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

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

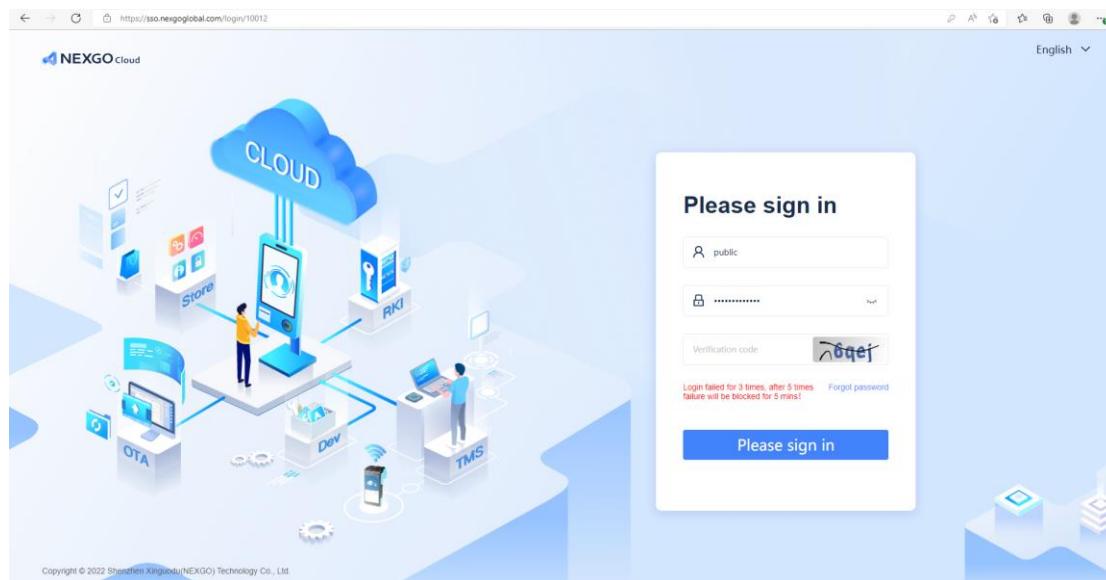
Account/Password: provided by NEXGO salesman.

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.

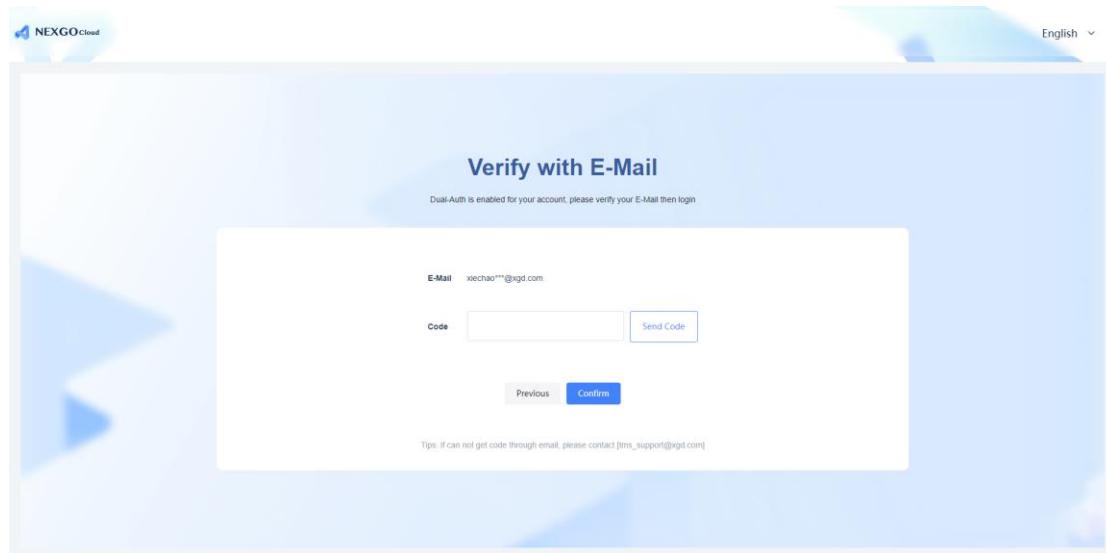


If forget the password, user can find the password by clicking [Forgot Password], the pre-condition is filling your email in the system for account.

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.

The screenshot shows the NEXGO Cloud Home page. On the left is a sidebar with navigation links like Home, Upgrades, Task Center, Profile, Device List, Tags, Messages, Merchants, NEXGO Store, Kiosk Mode, My Store, Shared App, App Statistics, Distributors, Me, Sub-distributor, and Settings. The main area displays 'Device counts' with sections for Total (79), Activated (60), and Online (4). Below this are 'Details' and 'Merchant' sections. On the right, there's an 'App installation list' showing various applications and their installation counts, with a red box highlighting the English language option in the user profile menu.

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.

This screenshot shows a different view of the NEXGO Cloud Home page. It includes a 'Device Overview' section with counts for Total (81), Activated (63), and Online (8). Below it is a 'Device Active Trend' chart showing the number of units online over time. The right side features a 'Merchant' section and an 'App Installation List' table. The table lists applications with their names, versions, and installation counts. At the bottom, there's an 'Operation Log' section.

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

app package name and version information.

The screenshot shows the NEXGO Cloud homepage with several data cards:

- Activated**: A line chart showing the number of activated devices over time from June 12 to July 10.
- App version**: A table showing the distribution of app versions for 'xtms'. The data is as follows:

Version	Percentage	Count
5.2.2	18%	9
5.3.4	18%	9
5.2.9	12%	6
other	52%	26

- News**: A list of recent logins and events:

 - 07-12 16:43 Public Login
 - 07-12 16:35 Public Login
 - 07-12 16:33 Public Delete App
 - 07-12 16:29 Public Remote Assistance
 - 07-12 16:26 Public Login
 - 07-12 16:19 Public Login
 - 07-12 16:09 Public Login
 - 07-12 13:34 Public Login
 - 07-11 16:13 Public Login
 - 07-11 15:39 Public Login
 - 07-11 09:06 Mike Login
 - 07-10 16:58 Public Login

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

The screenshot shows the NEXGO Cloud homepage with several data cards and customization controls:

- Customized view**: A button in the top right corner.
- Card Controls**: Red arrows point to several cards with small edit icons:
 - Device Overview
 - Device Active Trend
 - Merchant
 - App Installation List
 - Operation Log
- Switches**: A row of toggle switches on the left side of the dashboard.
- Buttons**: Buttons for 'Init', 'Cancel', and 'Yes' located in the top right corner of the customization area.

Account Center

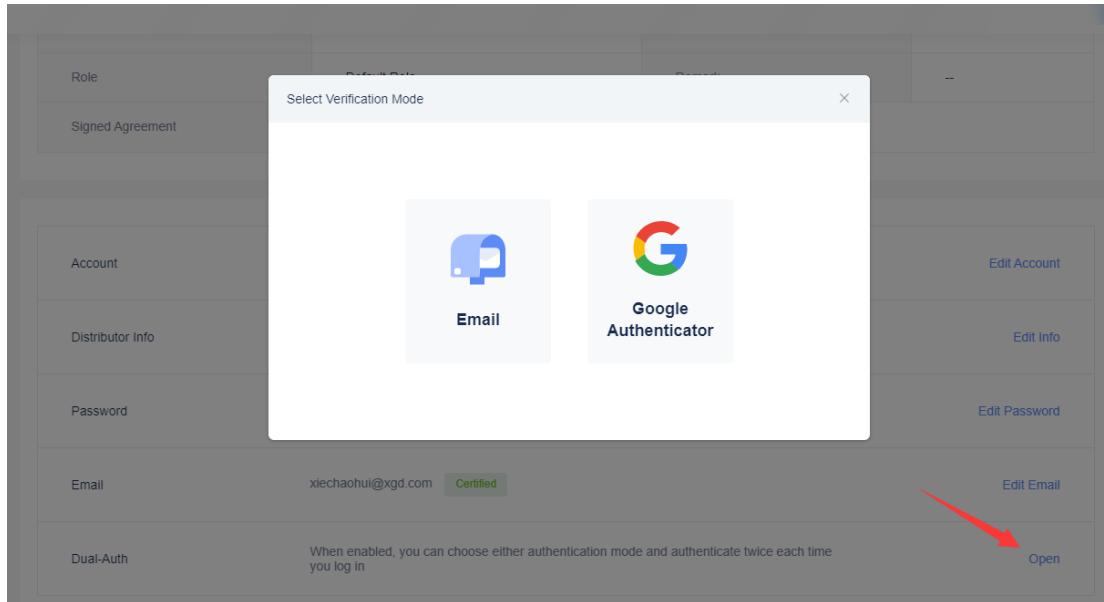
User can edit account, modify password, manage the Dual-Auth and so on in this part.

The screenshot displays the NEXGO Cloud Account Center interface. At the top right, there is a user profile icon with a red arrow pointing to it, indicating where to click to access account settings. The main dashboard includes sections for Device counts (Total 79, Active 60, Online 4), Details (Online units 4), and Merchant (Total 30, Active 4). Below these are sections for App installation list, Profile (with fields for Name, Role, and Signed Agreement), and Dual-Auth settings (Account, Distributor Info, Password, Email, Dual-Auth).

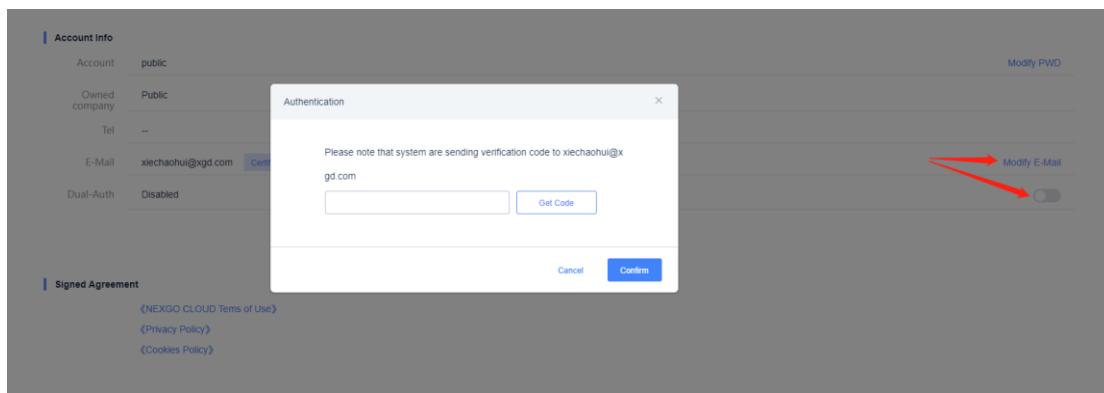
Profile	Value	Action
Name	Public	Edit Account
Role	Default Role	
Signed Agreement	NEXGO CLOUD Terms of Use, Privacy Policy, Cookies Policy View Details	

Dual-Auth	Description	Action
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	xiechaoxie@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.

The screenshot shows the NEXGO Cloud 'Me' dashboard. On the left, there's a sidebar with links like 'Device List', 'Tags', 'Messages', 'Merchants', 'NEXGO Store', 'Kiosk Mode', 'My Store', 'Shared App', 'App Statistics', 'Distributors' (with 'Me' highlighted), 'Sub-distributor', 'Settings', 'Web Logs', and 'System Settings'. The main area has tabs for 'Roles', 'Users', 'Authorization management', and 'My Page'. Under 'Roles', there's a search bar and a list of existing roles: 'Test Role', 'children-role', 'General', 'end user', 'FRANK', and '000'. Below the list is a pagination bar showing 'Total 11' and page numbers 1, 2, Go to, and 1. A modal window titled 'Add' is open over the list, containing fields for 'Name' (with a required asterisk) and 'Permissions'. The 'Permissions' section is expanded, showing a tree view of menu items: 'Menu' (selected), 'Upgrades', 'Task Center', 'Task List', 'App', 'Param', 'Firmware', 'Certificate', 'Screen Saver', and 'Boot Animation'. There's also a 'Remark' text area and 'Cancel' and 'Add' buttons at the bottom. A red arrow points from the left sidebar to the 'Me' link. Another red arrow points from the top of the main content area to the 'Add Role' button in the 'Roles' list.

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

The screenshot shows the 'Users' section of the NEXGO Cloud interface. On the left, there's a sidebar with 'Roles' (selected), 'Users' (selected), 'Authorization management', and 'My Page'. Below this is a search bar with 'Search by role name' and a '+ Add Role' button. The main area lists users under 'General', 'end user', and 'FRANK' categories. At the bottom are '000' and 'Me' buttons. On the right, a user profile for 'test11111' is shown with fields for Account, Name, and Expire Date. The 'User' button in the top right of the search bar is highlighted with a red arrow.

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.

The screenshot shows the 'Me' page of the NEXGO Cloud interface. The left sidebar includes 'Devices', 'Tags', 'Messages', 'Merchants', 'Service', 'NEXGO Store', 'Kiosk Mode', 'My Store', 'Shared App', 'App Statistics', 'Distributors' (with 'Me' selected), 'Sub-distributor', 'Setup', 'Web Logs', and 'System Settings'. The main area displays a grid of user accounts. Each account row has columns for 'Account', 'Name', 'Status' (e.g., Valid, Invalid), 'Password', 'Authority', and 'Edit'. The grid contains several accounts with names like 'test11111 (test11111)', '000', 'wzq (Zack)', 'Felicia (Felicia)', 'JohnWu (JohnWu)', 'sdd (123456)', 'Shaopu (shaopu)', 'Mike (Mike.zhao)', 'david (merchant1)', 'Lee (Lee)', 'Nicola (Nicola)', 'Luckey (Luckey)', '用户名XCH (xiechaohui2)', '用户名XCH (xiechaohui1)', and 'public-children...'. The status column indicates whether the account is valid or invalid.

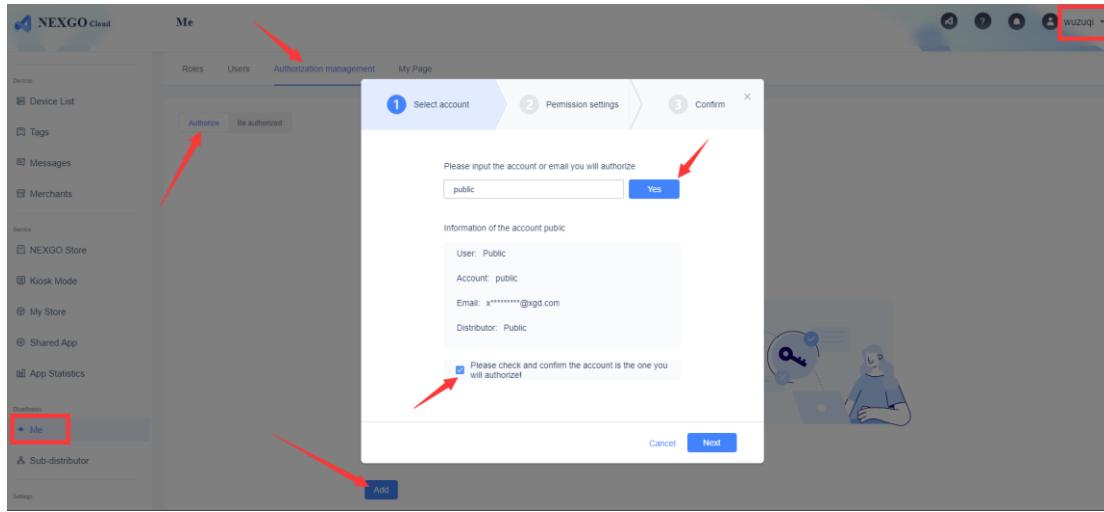
Major account can reset password/set permission/edit basic information for the ordinary accounts.

Authorization Management

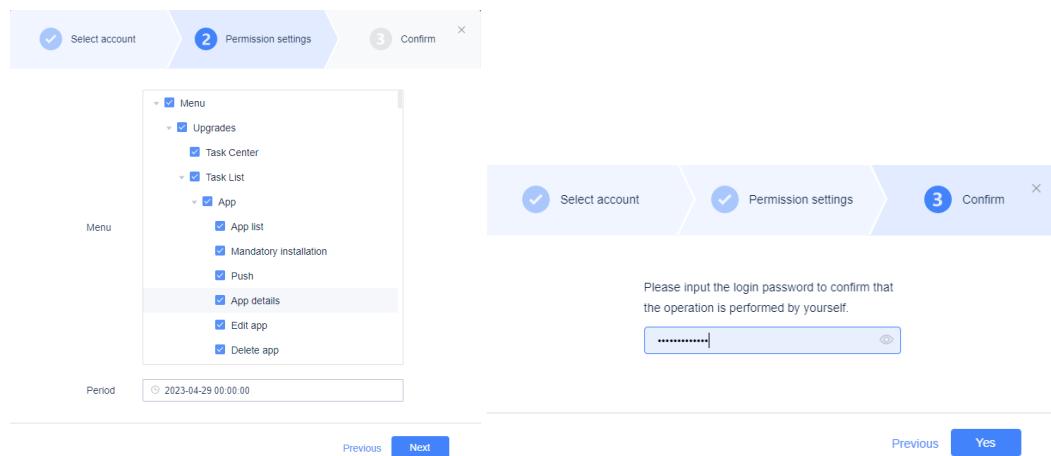
Sometimes, as distributors, they want their parent distributors to be able to manage their devices across level. This part implements the function of cross level management.

However, users need to authorize the parent distributor in the sub-distributor.

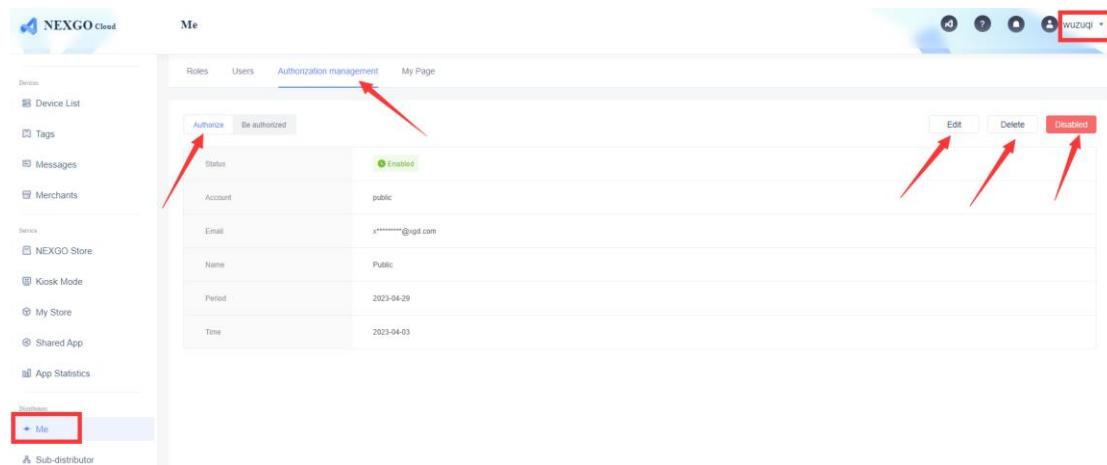
First, fill in the account or email they will authorize.



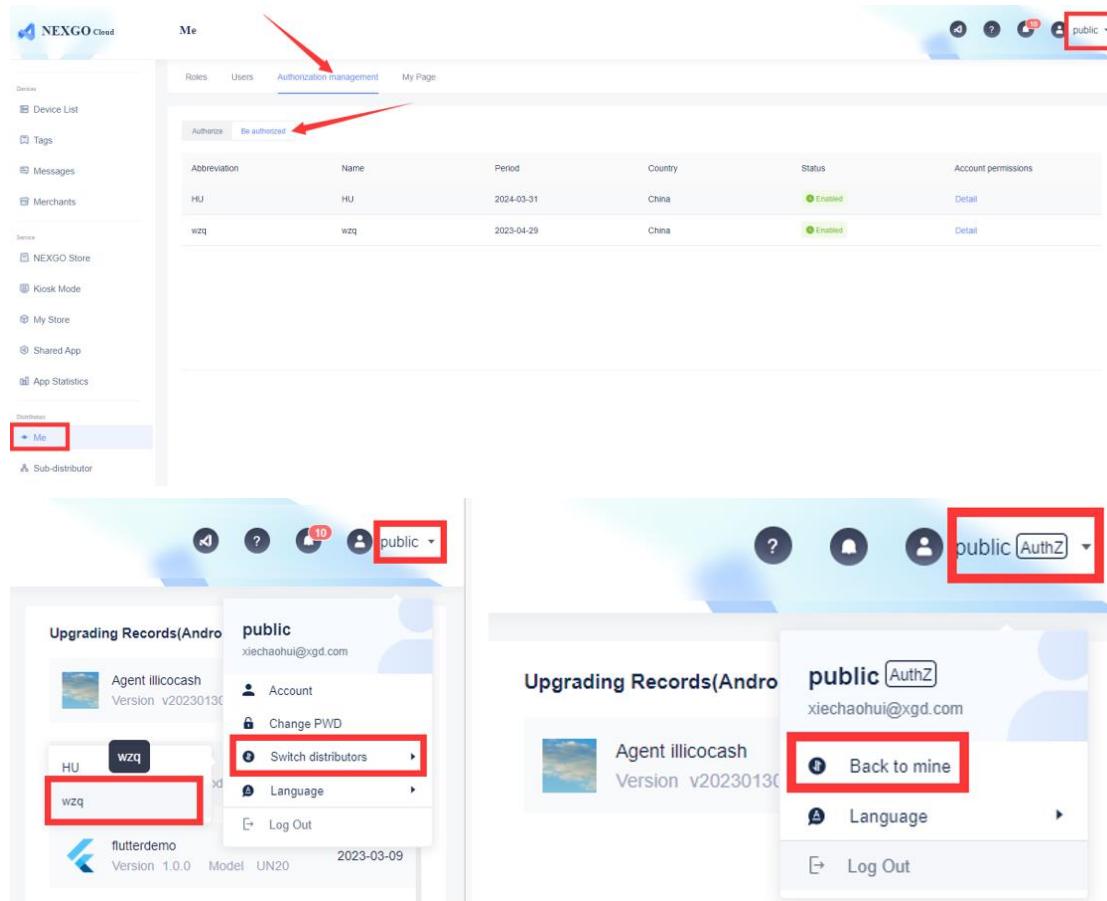
Then, assign the permissions menu, select the authorization period and input the login password to confirm.



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

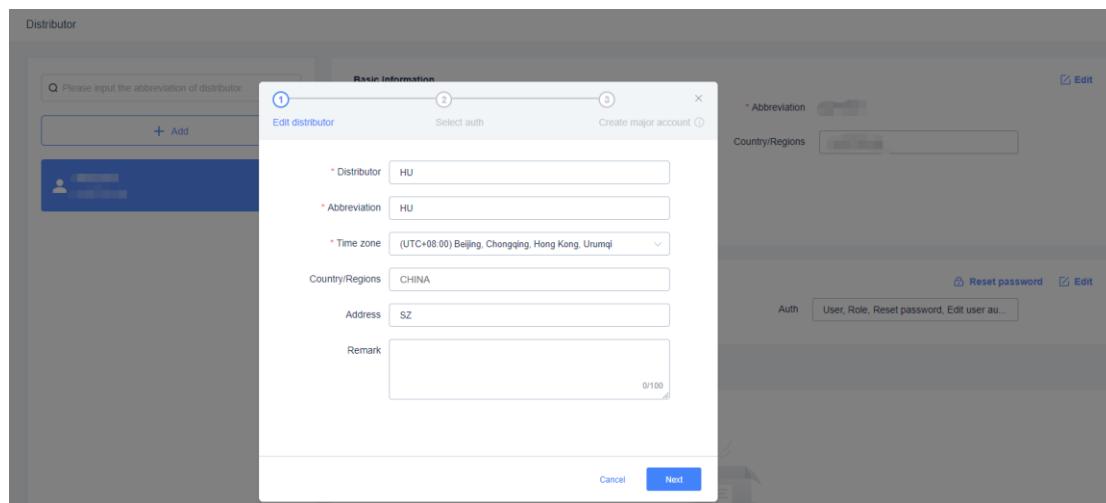
In this part, user can manage the basic information here, such as country/time zone/detail address etc.

The screenshot shows the 'My Page' configuration form. At the top, there are tabs for Roles, Users, and My Page (which is selected). Below that, there's a section for 'Enterprise' with fields for Name (Public), Abbreviation (Public), Time-Zone (UTC+08:00 Beijing, Chongqing, Hong Kong, Urumqi), Country (CHINA), and Address (ShenZhen). An 'Edit' button is located at the top right of this section.

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.



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.

The screenshot shows the NEXGO Cloud Sub-Distribuidor dashboard. On the left sidebar, under the 'Device' section, the 'Sub-Distribuidor' option is selected and highlighted with a red box. In the main content area, there's a search bar for 'Distributor Abbreviation' with 'wzq' entered. Below it, a list of distributors includes 'HJ' and 'wzq', with 'wzq' also highlighted by a red box. The dashboard displays various statistics and charts for distributor 'wzq'. At the top right, there are edit and public sharing options.

User can check statistics and details of the devices.

This screenshot is similar to the one above, showing the Sub-Distribuidor dashboard. It highlights several features with red arrows: 1) The 'Devices' tab in the navigation bar at the top of the main content area. 2) The 'Only my records' checkbox in the top right corner of the main content area. 3) The 'Edit' button in the top right corner of the main content area.

Device details

Please enter SN Search Export

SN	Create time	Active time	Last online time	Merchant	Address
No data					

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

wzq

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: --

Edit

Devices Apps Merchants Accounts

	xrms	5.2.9	3.71MB	Nexgo	Tools	Free	0	0	Cumulative Downloads	Current Installs
	RemoteAssist	1.1.4	15.83MB	Nexgo	Tools	Free	0	0	Cumulative Downloads	Current Installs

Installation details

Totally 0 units installed xrms

Please enter SN All Export

SN	Install time	Version	Install type
No data			

In addition, merchant information is available to parent distributor.

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

Time zone: UTC-08:00
Expire date: 17/Feb/2023
Address: shenzhen
Create time: 16/Feb/2023 11:15:12

No.	Merchant name	Address	Device
1000000001112222	wzq	--	0
1000000001111111	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
Country/Regions: CHINA
Full name: HU
Remark: --

Time zone: UTC+08:00
Expire date: 31/Dec/2099
Address: SZ
Create time: 6/Aug/2021 17:18:54

Account	Name	Email	Phone number
hu	HU	hu@noemail10315.com	--

Major Account

Auth: Menu, Service, App Statistics, Statistics detail...

User

Account	Name	Email	Phone number
hu2	Invalid	hu2@noemail10315.com	--
hu1	Invalid	hu1@noemail10315.com	--

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

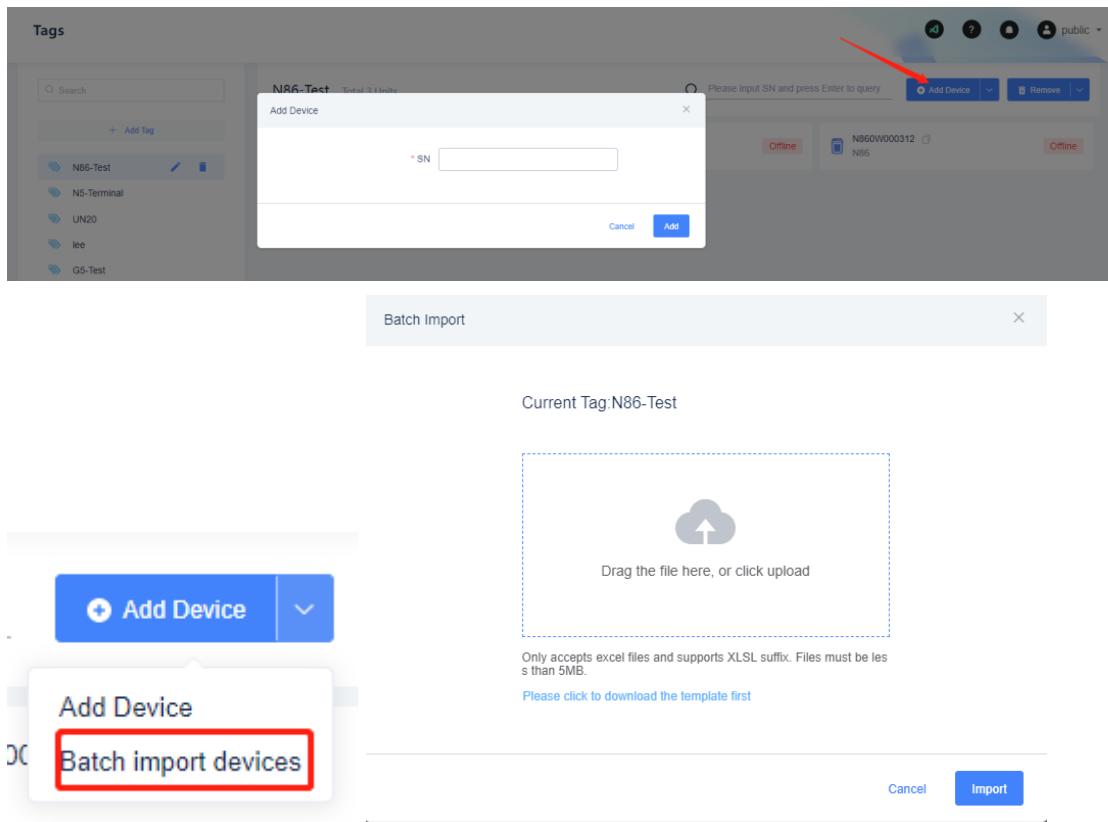
NEXGO team helps the customers to import the S/N, customers just need to login the website and manage their devices.

Add/Import SN into Tag

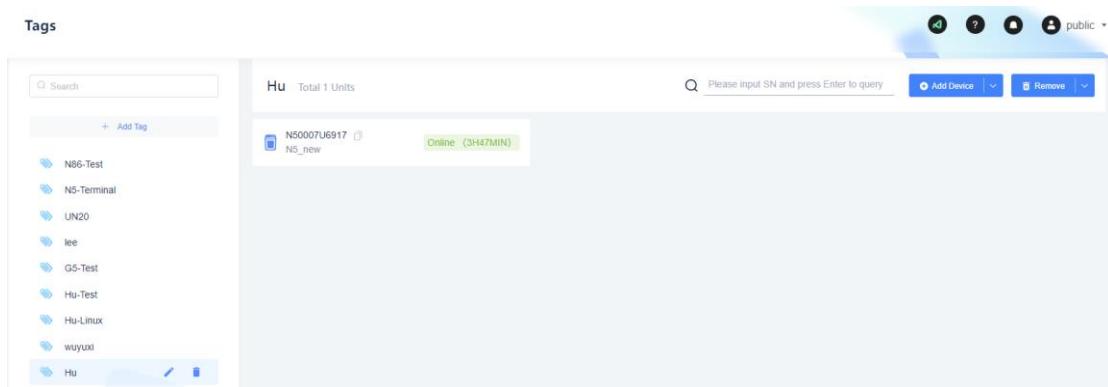
After created tag, user can add/import SN into the new tag.

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.

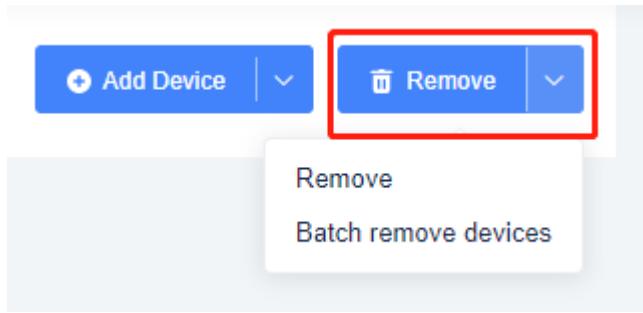


Lastly, click the button [Import] to save the changes, user can see the device list in this new tag.

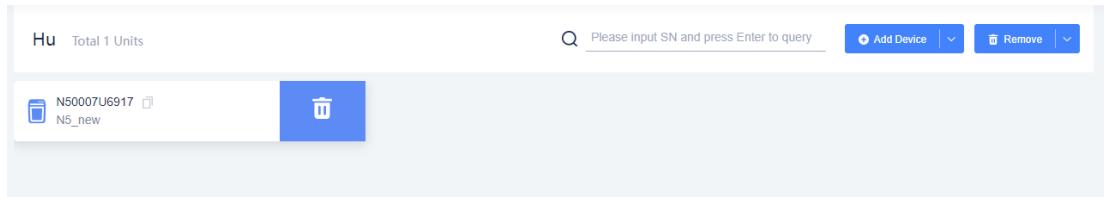


Remove SN from Tag

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.

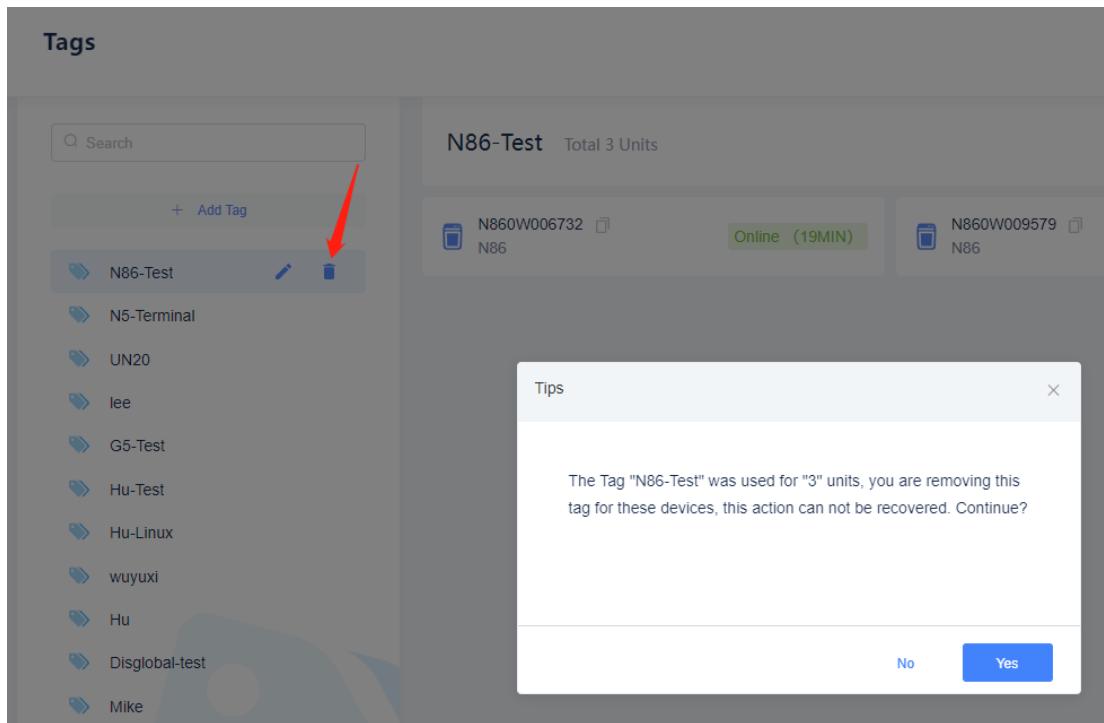


When moving the mouse to the SN card, system will display the button of [Delete], user can remove it from tag directly.



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.

SN	Type	Model	Active time	Status	Merchant	Tag
N660W026824	Android POS	N86	29/Mar/2022 16:12:07	Online [2MIN]	--	
UN20W000424	Android POS	UN20	19/Jan/2023 16:19:54	Online [3H02MIN]	--	
UN20W000033	Android POS	UN20	14/Feb/2023 09:29:58	Online [1H14MIN]	--	
N660W032269	Android POS	N86	18/Jul/2022 10:55:28	Online [1MIN]	test_7_18	isuzu_smart_models
K300W070024	Linux POS	K300	7/Jul/2022 10:33:52	Activated	disglobal-test	Disglobal-test
G2R0W096700	Linux POS	G2-4Q	7/Jul/2022 15:06:24	Activated	disglobal-test	Disglobal-test
P200W100016	Android POS	P200	20/Aug/2021 15:25:57	Offline	--	N86-Test
N300W113506	Android POS	N3	3/Nov/2021 10:57:27	Offline	--	
N500S000020	Android POS	N5_new	7/Dec/2020 11:13:00	Offline	--	TESTEP

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.

The screenshot shows the NEXGO Cloud Device List interface. On the left, there's a sidebar with navigation links like Home, Task Center, Task List, Profile, Device List, Tags, Messages, Merchants, NEXGO Store, Kiosk Mode, My Store, Shared App, and App Statistics. The main area has tabs for Device List, Device Map, and Device Allocation. It displays device statistics: Total 3, Activated 3, Online 0. Below this are filters for Status (All, Offline, Online, Activated, Inactive), Type (All, Android POS, Linux POS), Model (All, N5_new, N86, N3, P200, UN20, N1_old, N82, G5), Tag (All, No Tag, Specific Tag, Union, Choose tag, Clear All), and a search bar. A red box highlights the "Export Device" button. The main table lists devices with columns: SN, Type, Model, Active time, Status, Merchant, and Tag. One row is selected, showing details: SN N50007U6917, Type Android POS, Model N5_new, Active time 3/Dec/2020 14:52:02, Status Offline, Merchant Test Merchant, Tag UN20, lee, Hu. Below the table is a detailed view of the selected device's configuration, including Model Name (N5_new), Device Status (Online), Firmware Version (v1.4.1_GPS000002), Xms Version (525), Active Time (2020/12/03 02:52), Latest Online Time (2022/09/26 10:51), and Merchant (Test Merchant). At the bottom, there are two sheets: sheet1 and sheet2.

A	B	C	D	E	F	G	H
Sn	ModelName	DeviceStatus	FirmwareVersion	XmsVersion	ActiveTime	LatestOnlineTime	Merchant
N50007U6917	N5_new	Online	v1.4.1_GPS000002	525	2020/12/03 02:52	2022/09/26 10:51	Test Merchant

A	B	C	D
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.

The screenshot shows the NEXGO Cloud Tags interface. The sidebar includes links for Home, Task Center, Task List, Profile, Device List, Tags (with a red arrow pointing to it), Messages, Merchants, NEXGO Store, Kiosk Mode, My Store, Shared App, and App Statistics. The main area has a search bar and a list of tags: N86-Test, N5-Terminal, UN20, lee, G5-Test, Hu-Test, Hu-Linux, wuzuqi, wuzuqi, Hu, Disglobal-test, Mike, ZhuYi, wuzuqi_traditional_models, wuzuqi_smart_models, 1, 2, 123. A red arrow points to the 'Hu' tag. To the right, a card for device N50007U6917 is displayed with status Offline, SN N50007U6917, and Model N5_new. A red arrow points to the SN number. There are also 'Add Device' and 'Remove' buttons.

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.

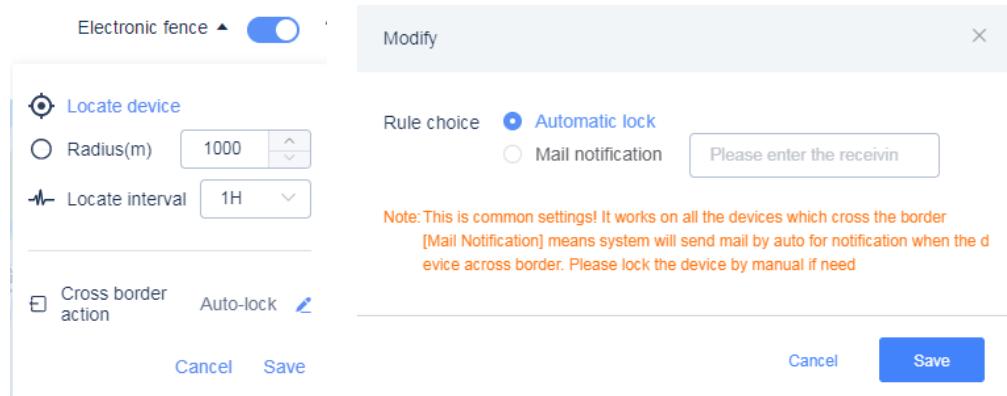
User also can click the green refresh button to inform the device to upload information immediately.

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.

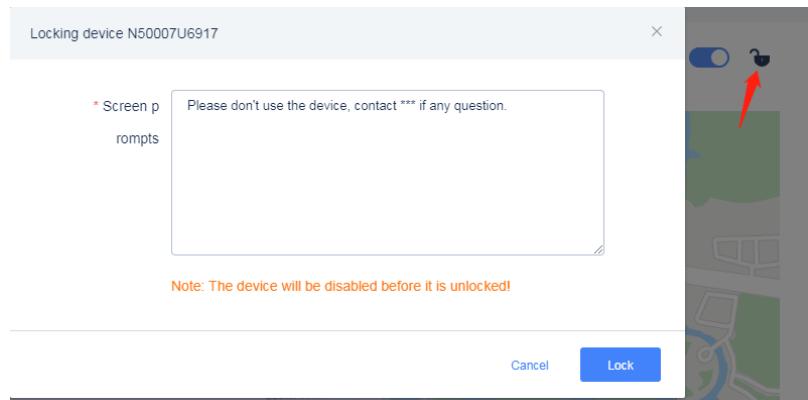
Note: the rule for cross the Geo-fence device is working for all the devices for the current distributor.



Locking Device (Android Only)

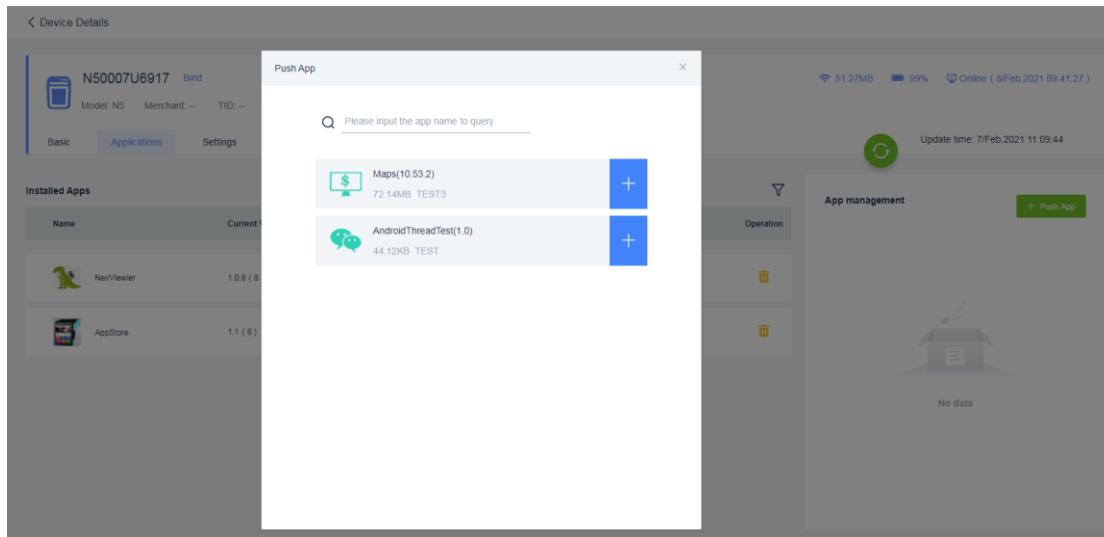
In some cases, the device has to be stopped for using, for example, the device is stolen, user can lock the device immediately, and let the device display the reason for locking.

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.

K3000700024

Tag: + Disglobal-test

Model: K300 TID: 001 Merchant: disglobal-test Active time: 7/Jul/2022 10:33:52

Basic Task Details Operation Logs

Terminals

Firmware	--
IP	45.117.97.148
IMEI	--

Installed Apps

	3rdsample
Package Name: -- Current Version: 20220707095043	

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.

The screenshot shows the 'Device Settings' page for a device with ID N50007U6917. The top navigation bar includes 'Back', 'Device Details', and tabs for 'Basic', 'Applications', 'Settings' (selected), 'Task Details', 'Transactions', and 'Operation Logs'. The status bar at the top right shows signal strength, battery level (100%), and the date/time (11/Feb/2023 05:18:35). The main content area is divided into several sections:

- Device Monitor:** Three circular gauges showing CPU (0%), RAM (45%), and Monthly Data Usage (Total: 725.92MB, 725.92MB).
- Hardware List:** A table listing hardware components and their status. All listed components (Bluetooth, Magstripe Reader, Chip Reader, Contactless Reader, Print) are enabled.
- Remote Control:** Buttons for 'Send Message', 'Reboot', 'Remote Assistance' (disabled), and 'Exit Kiosk'.
- Device Configuration:** Sliders for 'Screen saver' (disabled), 'Brightness' (40%), and 'Volume' (55%).
- App Certification:** Details for a certificate: Start date 21/08/2008 07:13:34, End date 07/01/2036 06:13:34, Owner etranet, Cert version 201805151820.

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

The screenshot shows a 'Send a message' dialog box and a 'Remote Control' panel. The dialog box has the following fields:

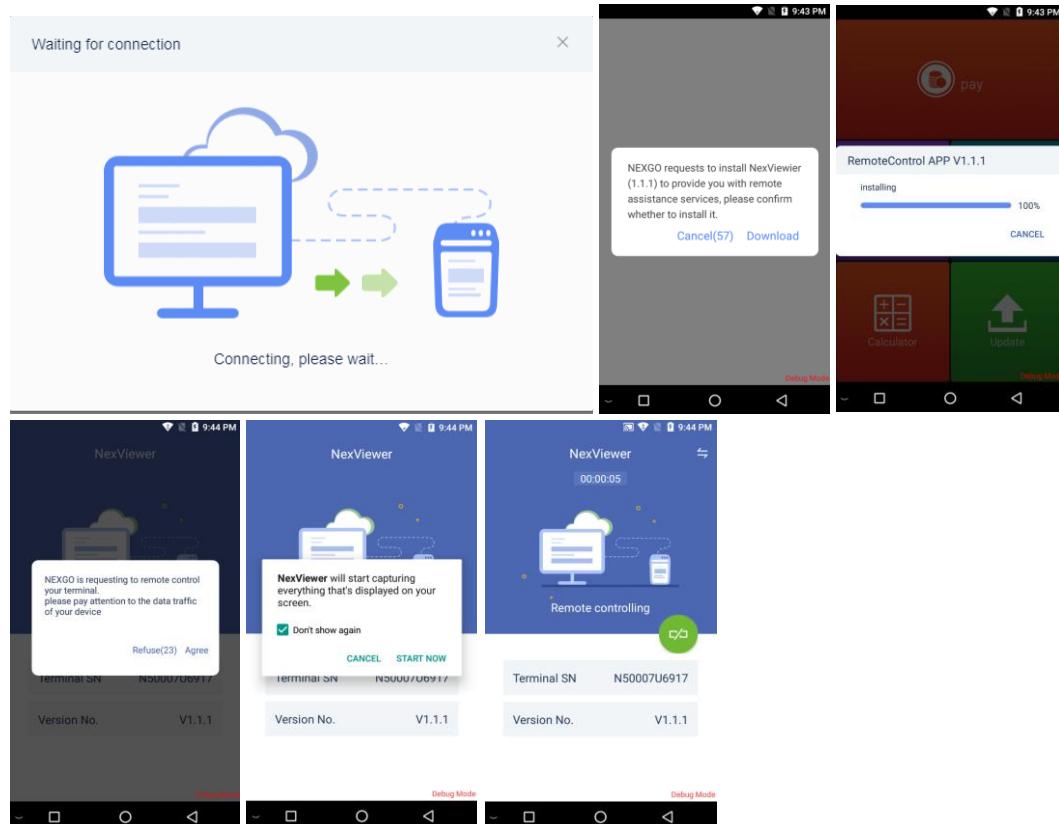
Send a message to the terminals N50007U6917	
* Message	TEST Message
Content	

At the bottom are 'Cancel' and 'Send' buttons. To the right is a blurred 'Remote Control' panel with a red arrow pointing to the 'Send Message' button under the 'Remote Control' section.

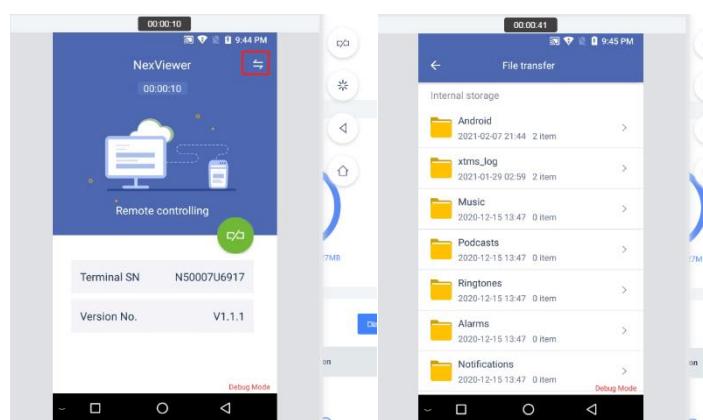
Remote Assistance (Android Only)

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].

TaskId	Creator	App Name	Version	Create Time	Pushing Way	Task Status	Status Detail	DESC	Operation
No Data									

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

TaskId	Creator	App Name	Version	Create Time	Pushing Way	Task Status	Status Detail	DESC	Operation
No Data									

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.

N50007U6917

Tag: + UN20 lee Hu

Model: NS_new TID: 11111111 Merchant: Test Merchant

Basic Applications Settings Task Details Transactions Operation Logs

Update time: 10/Feb/2023 16:16:50

Card reading times

Action	Count	Icon
Tap (times)	0	
Swipe (times)	0	
Insert (times)	0	

Total

Quantity (times)

1

Nearly 1 month Nearly 1 year

01-16 01-18 01-20 01-22 01-24 01-26 01-28 01-30 02-01 02-03 02-05 02-07 02-09 02-11 02-13 02-15

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).

N50007U6917

Tag: + UN20 lee Hu

Model: NS_new TID: 11111111 Merchant: Test Merchant

Basic Applications Settings Task Details Transactions Operation Logs

Update time: 10/Feb/2023 16:16:50

All

+ End-of-Life

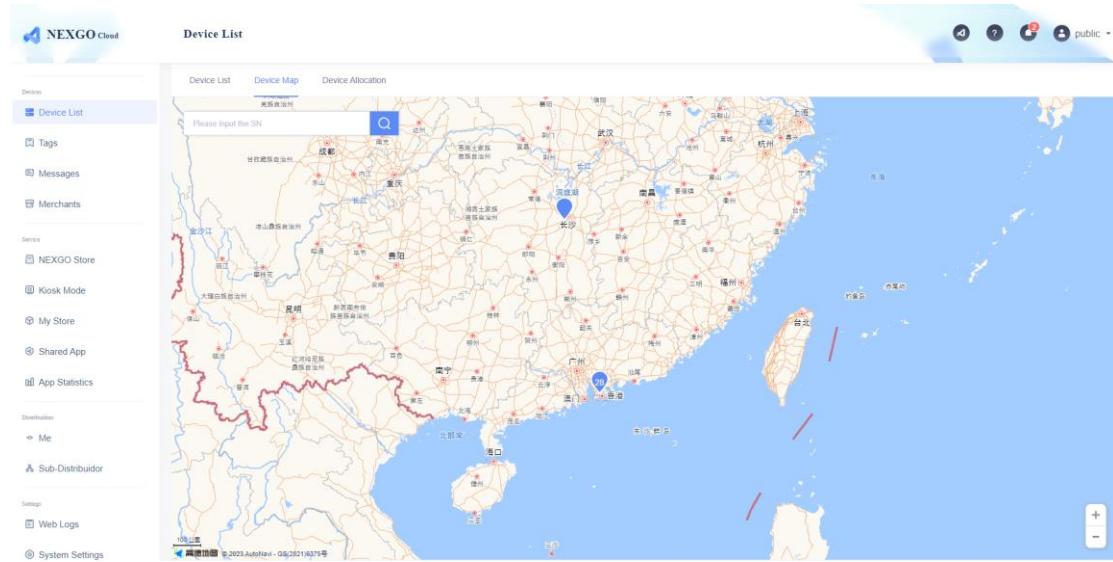
Date	Event
15/Feb/2023 14:06:33	Public has enabled screen saver
15/Feb/2023 14:06:32	Public has disabled screen saver
13/Jan/2023 17:06:19	Public Remote control
13/Jan/2023 17:05:00	Public Remote control
13/Jan/2023 17:03:12	Public Turn on device remotely
13/Jan/2023 17:02:23	Public Remote control
13/Jan/2023 17:01:06	Public Remote control
13/Jan/2023 17:00:51	Public Remote control
13/Jan/2023 17:00:26	Public Remote control
13/Jan/2023 17:00:09	Public Remote control
13/Jan/2023 16:48:09	Public Remote control
13/Jan/2023 16:46:49	Public Remote control

Total 93 < 1 2 3 4 5 6 7 >

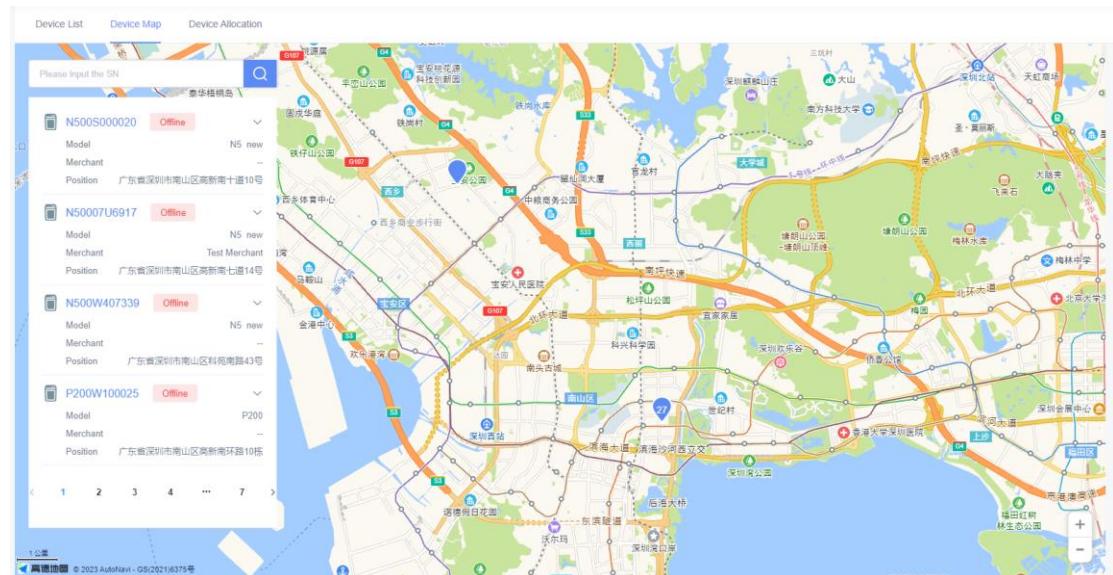
If the device is missed, user can add [End-of-Life] status for the device. For now, the functions are the same even after set the end-of-life status.

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,

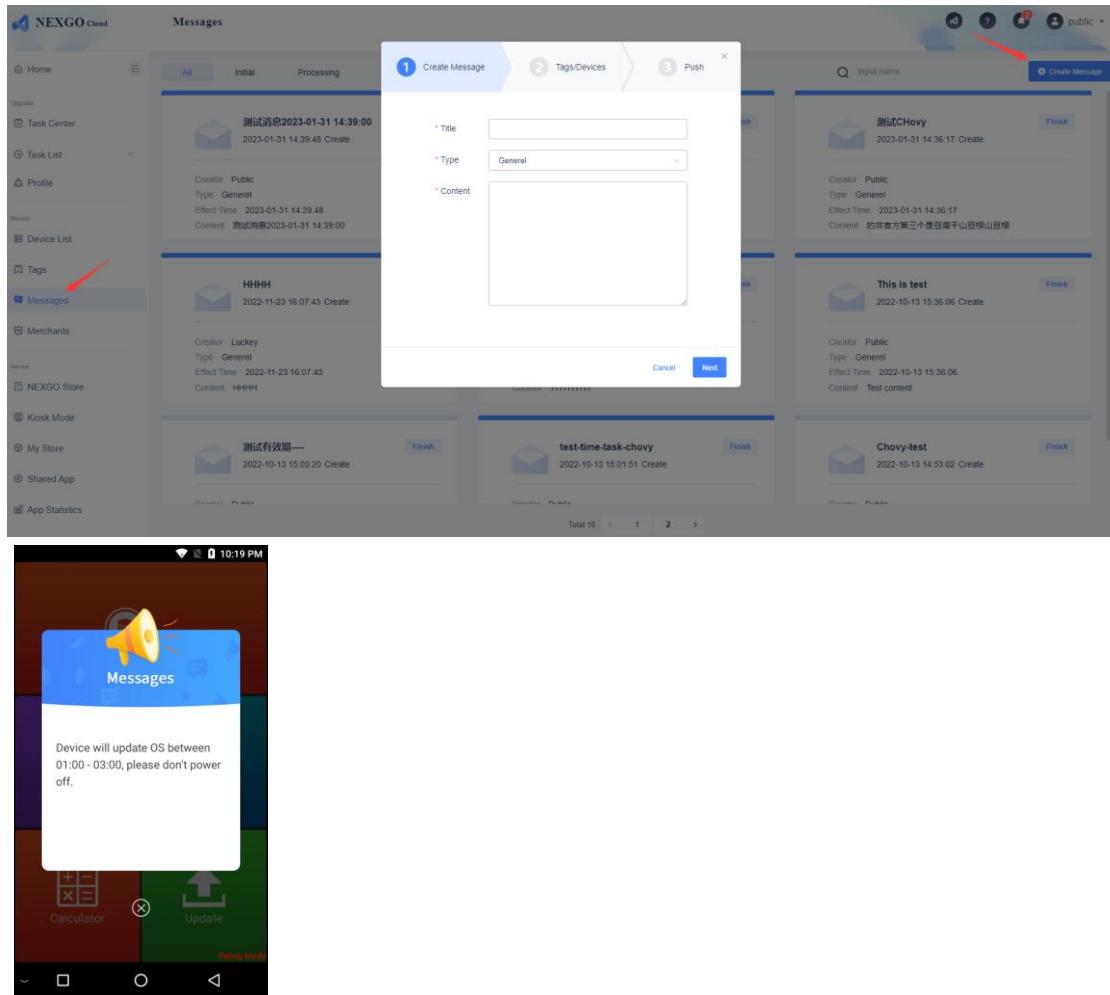
user also can allocate the devices to the parent-distributor. System provides the batch allocation with Excel.

The screenshot shows the NEXGO Cloud interface for device allocation. At the top, there are tabs for 'Device List', 'Device Map', and 'Device Allocation'. Below the tabs, there are filters for 'Allocation path' (set to 'All') and 'Path' (set to 'All'), along with 'Search' and 'Transfer' buttons. A table lists various allocation entries with columns for 'Path' and 'Allocation time'. Below this is a 'Machine transfer' dialog. The dialog has two tabs: 'Machine transfer' (active) and 'Machine transfer'. It includes fields for 'Receiving company' (with dropdowns for 'Distributor Abbreviation' and 'Input SN then press Enter to add'), 'Serial', 'SN', and 'Status' columns, and a 'Download the template' button with a red arrow pointing to it. Below the dialog are two small preview boxes labeled 'No data'. At the bottom, there are summary counts 'Total: 0 Adjustable: 0 Non-adjustable: 0' and 'Cancel' and 'Transfer' buttons.

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.

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

A Merchant No	B Merchant Name	C Contact Name	D Contact Phone	E Register Address	F Address	G Binding Group	H Terminal No	I Binding Sn
1000000000000001	Merchant Test 1	Hu	+86 18812345678	SZ		Merchant Test 1	10000001	N50007U6917
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.

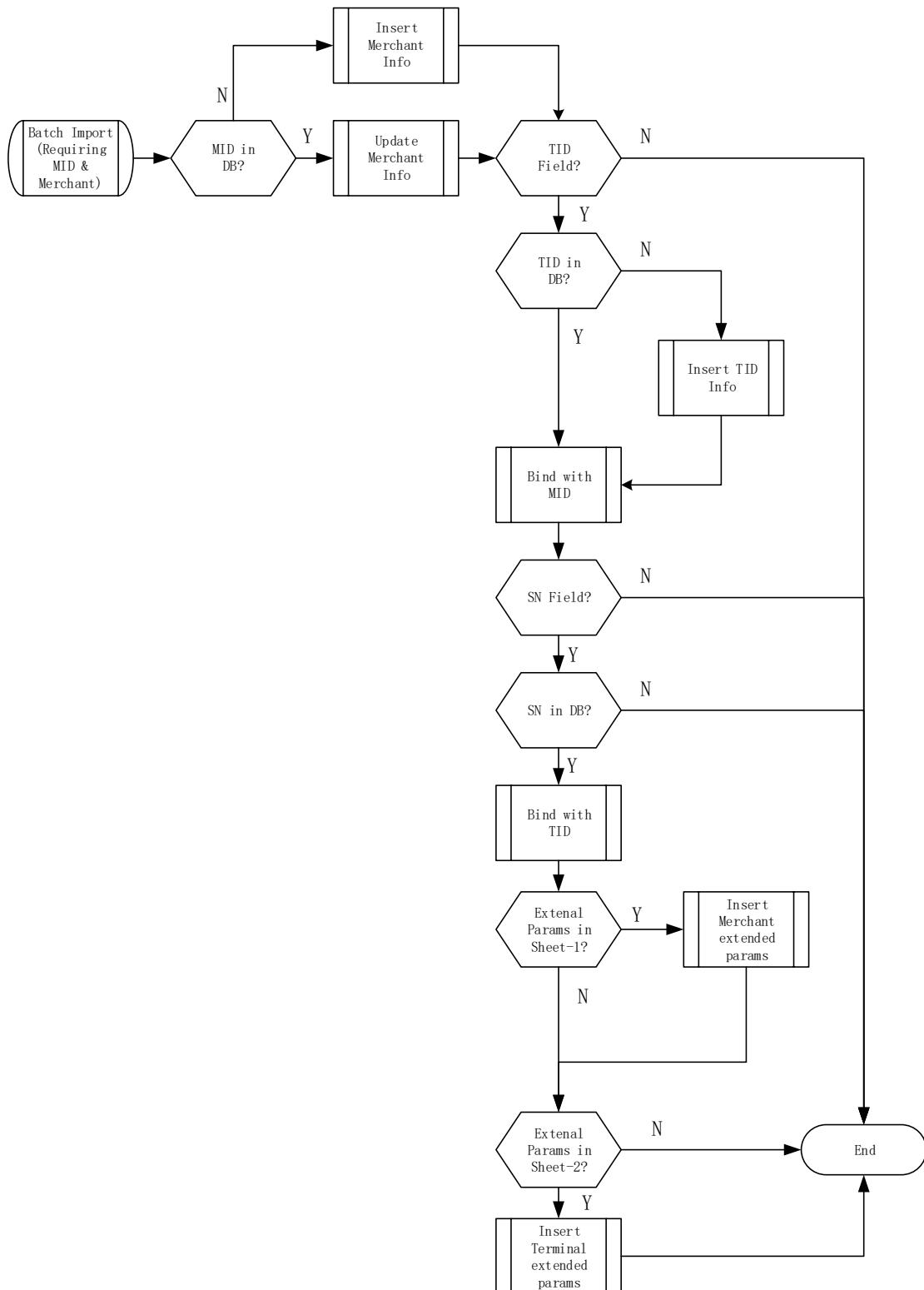
Below is the Excel template content and the logic for import.

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																

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				
2	For External			
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.

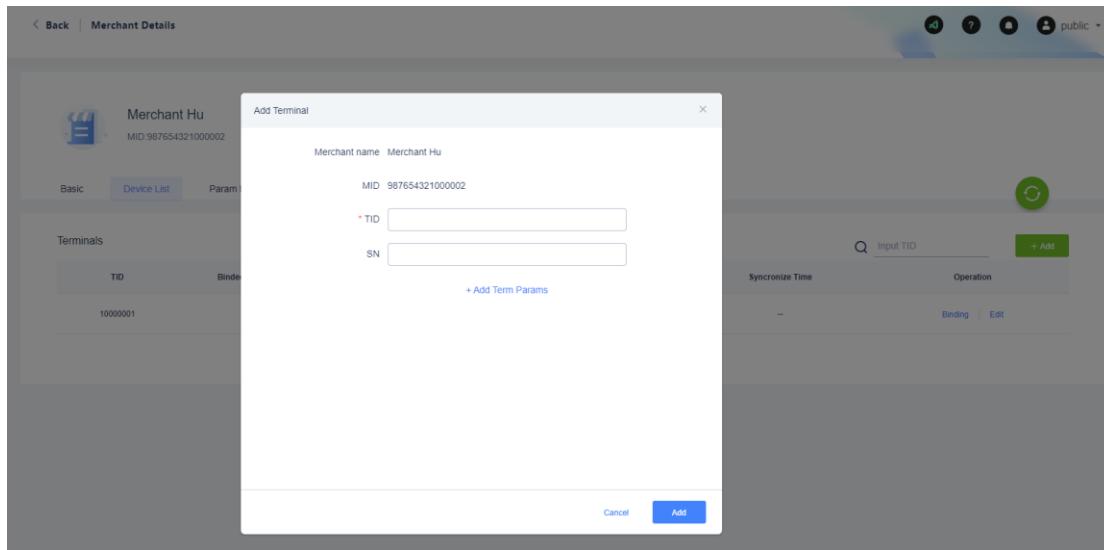
The screenshot shows the 'Merchant Details' page for 'Merchant Hu'. At the top, there are tabs for 'Basic', 'Device List', and 'Param Info', with 'Param Info' being the active tab. Below the tabs, it displays 'Merchant Params' and 'Terminal Params'. Under 'Merchant Params', there are two entries: 1. Param Key: mparam1, Param Content: Content for Param 1; 2. Param Key: TID, Param Content: 10000001. A button '+ Add Merch Params' is at the bottom. The top right corner has icons for file operations and user settings, and a dropdown menu showing 'public'.

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 are 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 finished automatically when the progress is 100%, user can close the processing tasks by manual. When the task is finished/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.

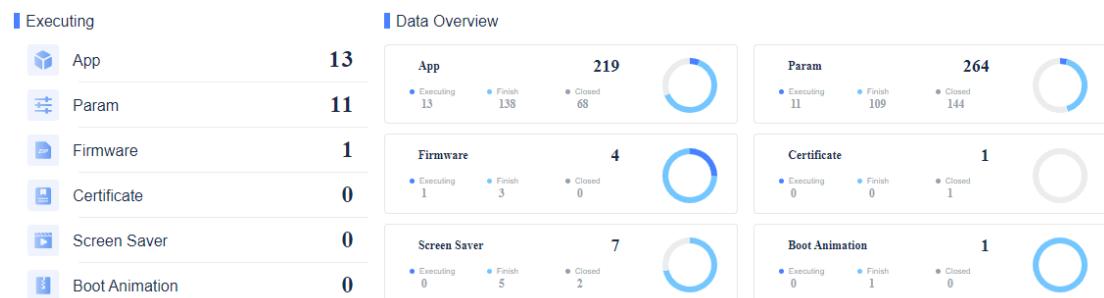
Closed: user closed task by manual.

The screenshot shows the Task Center interface. On the left, a sidebar lists various sections like Home, Task Center (which is selected and highlighted with a red box), Task List, Profile, Device List, Tags, Messages, Merchants, NEXGO Store, Kiosk Mode, My Store, Shared App, and App Statistics. The main area has tabs for Overview, List, and Device Query. Under General Pushing, there are three large boxes: Executing (25), Finish (256), and Closed (215). Below these are detailed sub-statistics for App, Param, Firmware, Certificate, Screen Saver, and Boot Animation. A Data Overview section shows counts for App (219), Param (264), Firmware (4), Certificate (1), Screen Saver (7), and Boot Animation (1). To the right, a History panel lists log entries from February 14 to 15, 2019, detailing app task creations and parameter tasks. At the top right, there are icons for help, refresh, and user profile.

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.

General Pushing ?

The screenshot shows the 'General Pushing' section. On the left, a large 'Executing' count of 25 is displayed above a button icon. Below it, a list of task types and their counts is shown, with 'App' highlighted by a red box and a value of 13. On the right, a detailed view of app statistics is provided, showing a table of apps with counts of 1 each, and a summary at the bottom indicating 0 executing, 5 finished, and 2 closed tasks.

Category	Count
App	13
Param	11
Firmware	1
Certificate	0
Screen Saver	0
Boot Animation	0

App	Count
INBAS	1
NEXGOStore	1
RemoteAssist	1
Support	1
Terminal care	1

Details

Executing 0 | Finish 5 | Closed 2

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

The screenshot shows the 'Task Center' interface. A 'Push details' modal is open, showing a table of SN numbers, their status (e.g., Processing), and update times. A red arrow points to one of the operation icons in this table. In the background, the 'Device Query' tab is active, displaying a list of devices with their serial numbers, names, versions, and models. A red arrow also points to one of the operation icons in this list.

SN	Status	DESC	Update Time
N860WB02113	Processing	Initial	--

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

The screenshot shows the 'Device task query' interface. It features a search bar where the user can input an SN number. Below the search bar, a history record shows the entry 'N50007U6917'. There are also 'Clear History' and 'Query' buttons.

Please enter the SN number you want to search for

Please Input SN and press Enter to query

History Record: N50007U6917

Clear History

Query

Task Center

The screenshot shows a table of task records:

Task serial	Target file	Pushing way(All)	Status(All)	DESC	Update Time	Operation
AP00067359	Name: CVISP Version: CVISP202208020023 Model: N86	By Profile	Ignored	Device not matched	9/Oct.2022 15:55:34	--
AP00067358	Name: INBAS Version: iNBASE20220617001 Model: NS_new_N86	By Profile	Processing	Requesting	9/Oct.2022 15:55:34	Cancel
AP00067277	Name: UPISPayment Version: 1.0.5 Model: NS_new_N86,N3,N6,P200_UN2...	By Tags	Success	--	9/Oct.2022 12:03:23	--
AP00067276	Name: UPISPayment Version: 1.0.5 Model: NS_new_N86,N3,N6,P200_UN2...	By Tags	Ignored	Same/Greater version was pushed	9/Oct.2022 11:08:31	--
AP00063687	Name: INBAS Version: iNBA-S20220917001 Model: NS_new_N86	By SN	Success	--	27/Sep.2022 14:06:27	--
AP00026024	Name: cn.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: 迅雷免费小说 Version: 3.1.8 Model: NS_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.

App

The screenshot shows a grid of application icons and details:

Category	Type	Model	Push	Push	Push	Push	Push
应用宝	应用宝	N2_new N86 N3	Push	Push	Push	Push	Push
test	test		Push				
test	test		Push				
xms	xms	Nexgo.Android client	Push	Push	Push	Push	Push
Support	Support	used to test apk demo	Push	Push	Push	Push	Push
test app	test app		Push				
Demo	Demo		Push				
Demo	Demo		Push				
xm	xm		Push				
INBAS	INBAS	INBAS	Push	Push	Push	Push	Push
Terminal care	Terminal care	The diagnostics client	Push	Push	Push	Push	Push
西瓜视频	西瓜视频		Push				
NEXGOStore	NEXGOStore	The client app for	Push	Push	Push	Push	Push

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

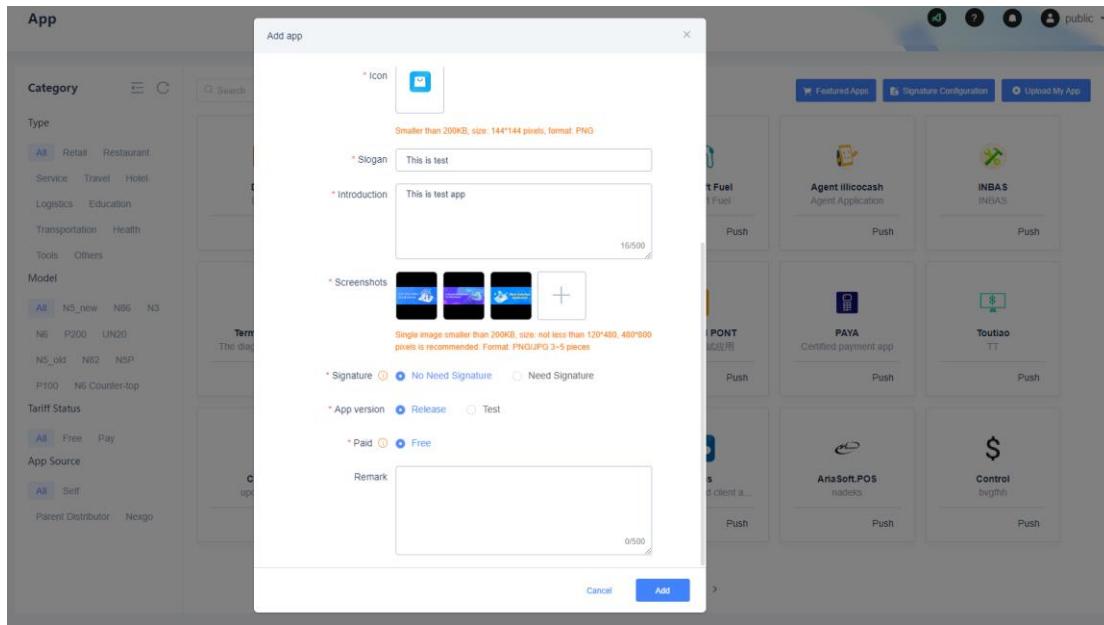
The screenshot shows the NEXGO Cloud interface with the 'App' tab selected in the sidebar. The main area displays a grid of application cards. Each card includes the app icon, name, description, push status, and a 'Push' button. The sidebar also lists other management sections like Task Center, Param, Firmware, Certificate, Screen Saver, Boot Animation, Linux App, Linux Firmware, Profile, Device List, Tags, Messages, and Merchants.

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.

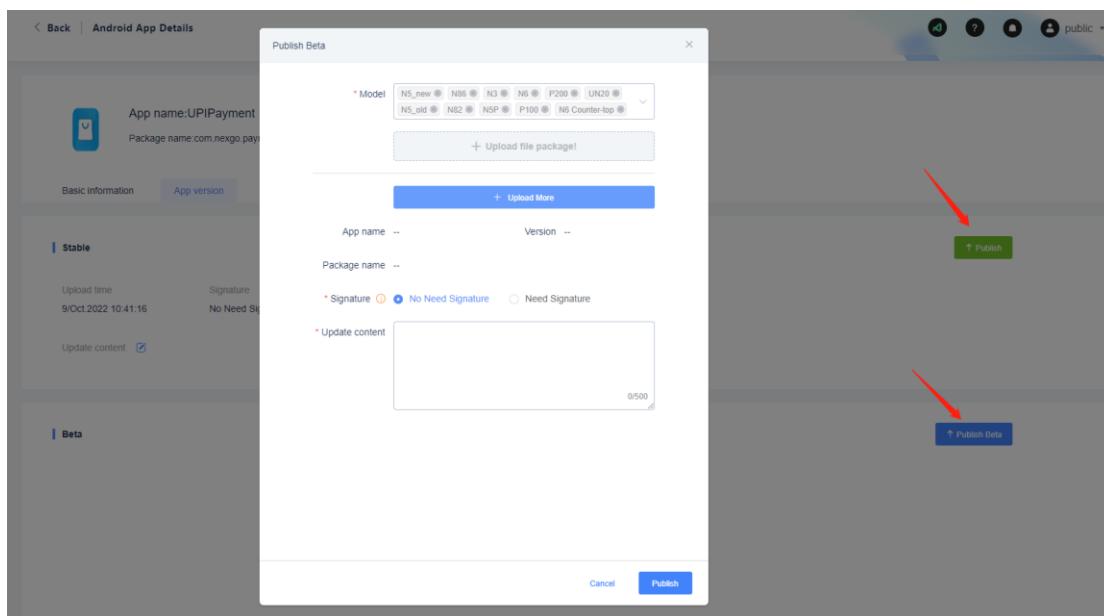
User also can determine whether get signature for this uploading app from SMS or not.

The screenshot shows the 'Add app' dialog box overlaid on the main App management screen. The dialog includes fields for Model (selected: N5_new), App name (UPIPayment), Version (1.0.0 (1)), Package name (com.nexgo.payment), Category (Retail), Icon (a small blue square icon), Slogan (This is test), Introduction (This is test app), and Screenshots (a preview of three screenshots). A red arrow points to the 'Upload My App' button at the bottom right of the dialog.

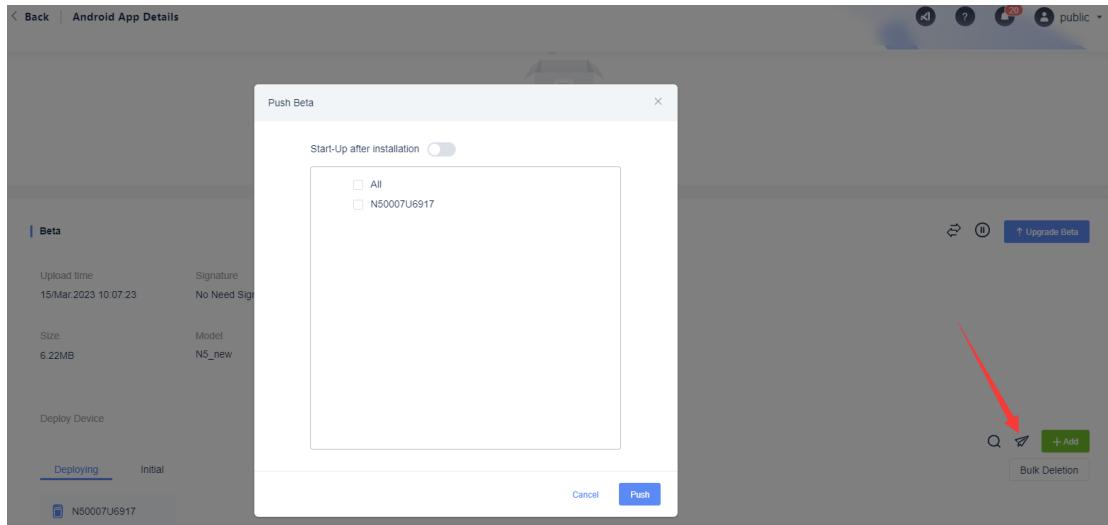
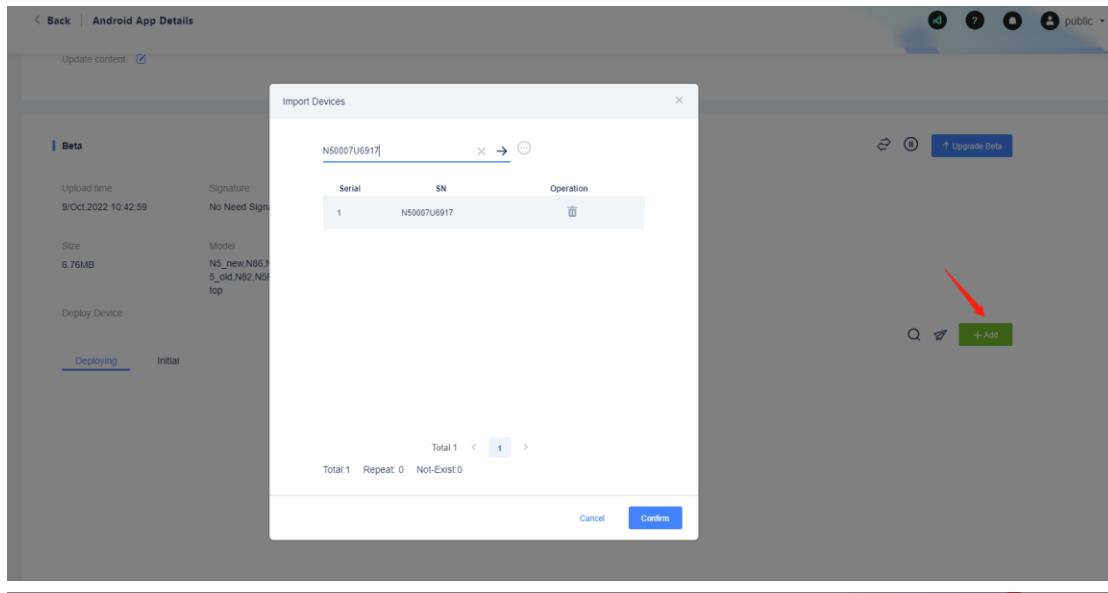


App Test/Publish

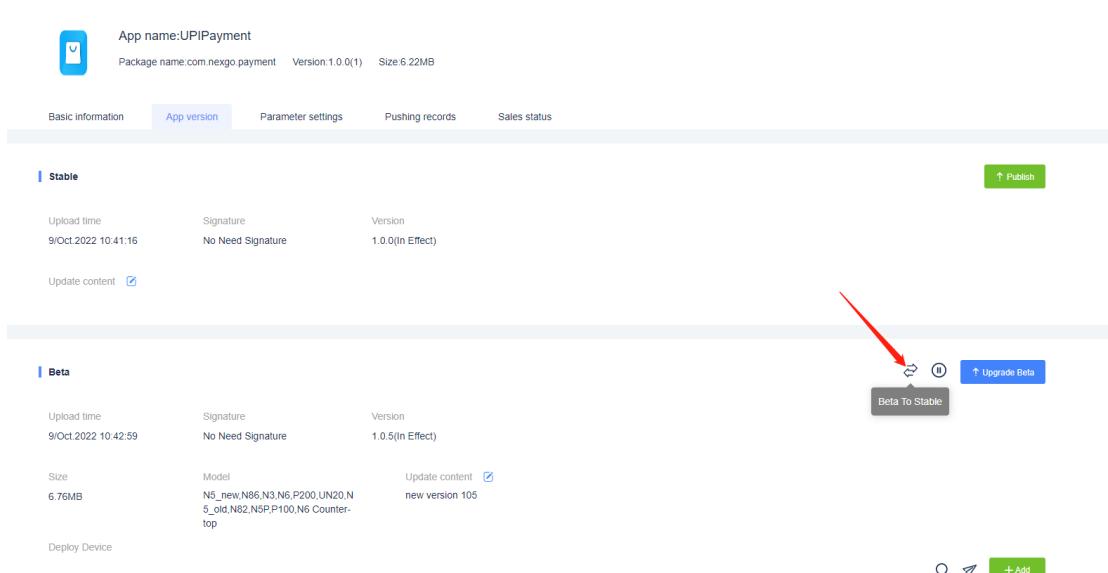
When enter the app details page, user can update the app in the tab [App Version]. In some cases, user need to test the latest app on few devices, if there is no issue with the latest version, then release to the stable version. System accepts Beta version for test.



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].

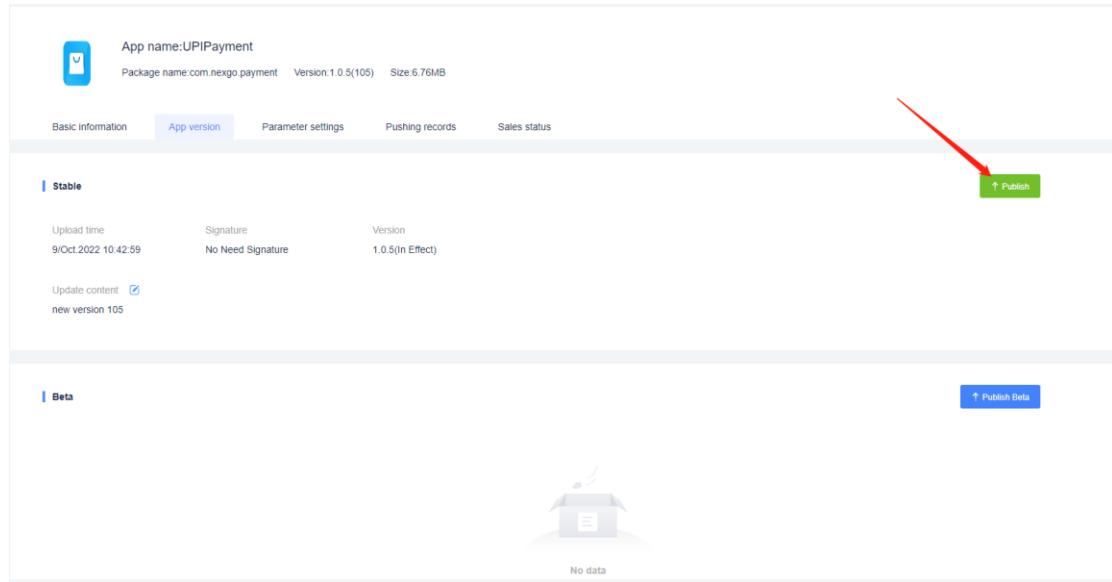


If there is no issue with the Beta version, user can publish it to stable.



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.

The screenshot shows the 'App Catalog' page. On the left, there are filters for Category (Type: All, Retail, Restaurant; Service: Travel, Hotel; Logistics, Education; Transportation, Health; Tools, Others; Model: All, N5_new, N8G, N3, N6, P200, UN20, NS_old, NB2, NSP, P100, N6 Counter-top; Charge: All, Free, Pay; App Source: All, Mine; Parent Distributor, NEXGO), and a search bar. The main area is a grid of app icons with names like 'Demo', '追书免费小说', '随手记', 'INBAS', 'Terminal care', '西瓜视频', 'NEXGO Store', 'PAYA', 'Toutiao', etc. Each icon has a 'Push' button below it. Three specific apps ('Demo', '追书免费小说', and '随手记') have red arrows pointing to their respective 'Push' buttons. At the bottom, there is a pagination bar showing 'Total 19' and page numbers 1, 2, >.

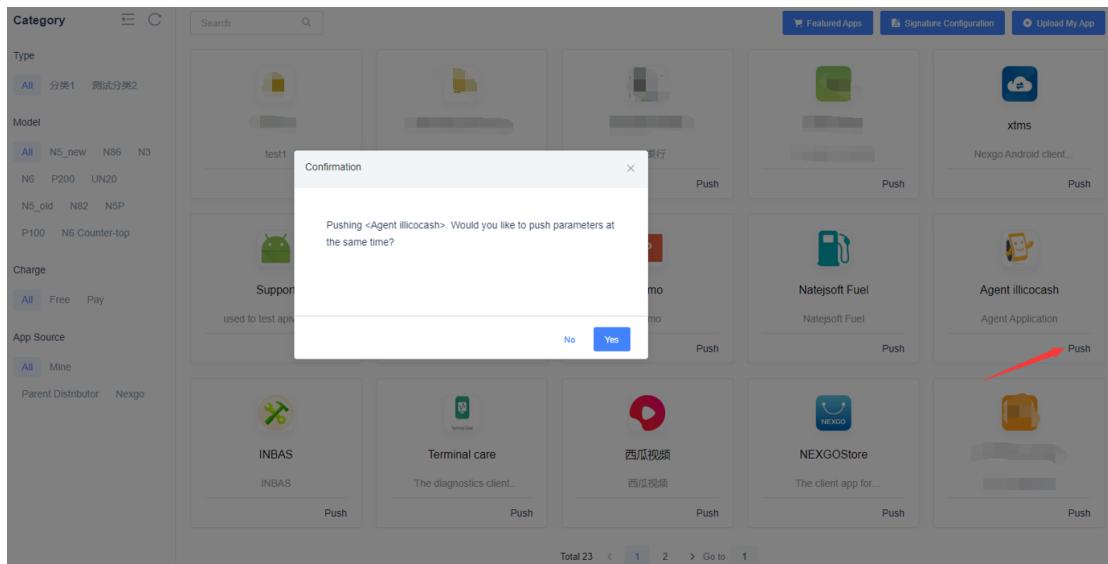
- If the app is shared to other distributors, after published new version, distributors should pull it from the cart manually.

App Pushing

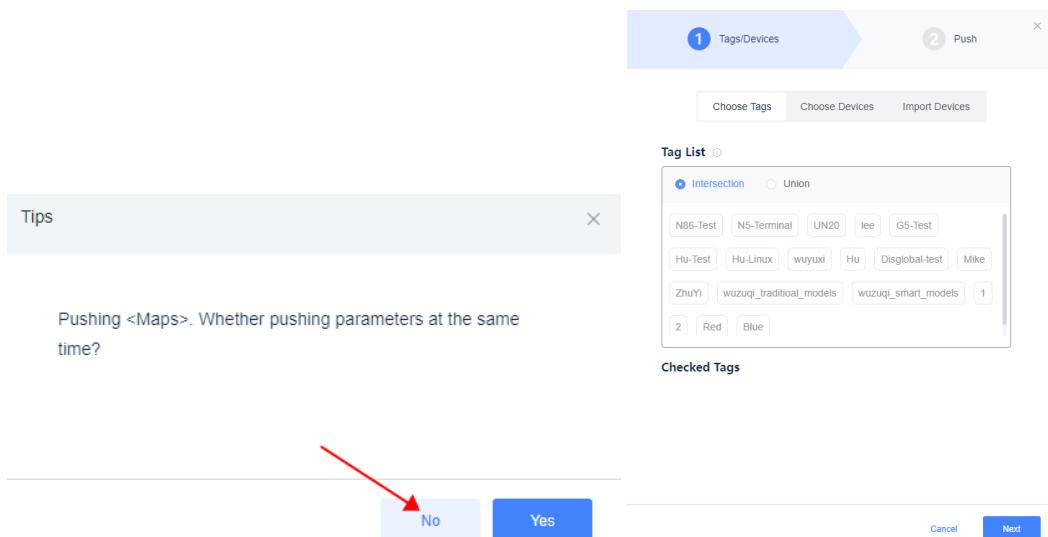
After app was uploaded, user can push it to the devices.

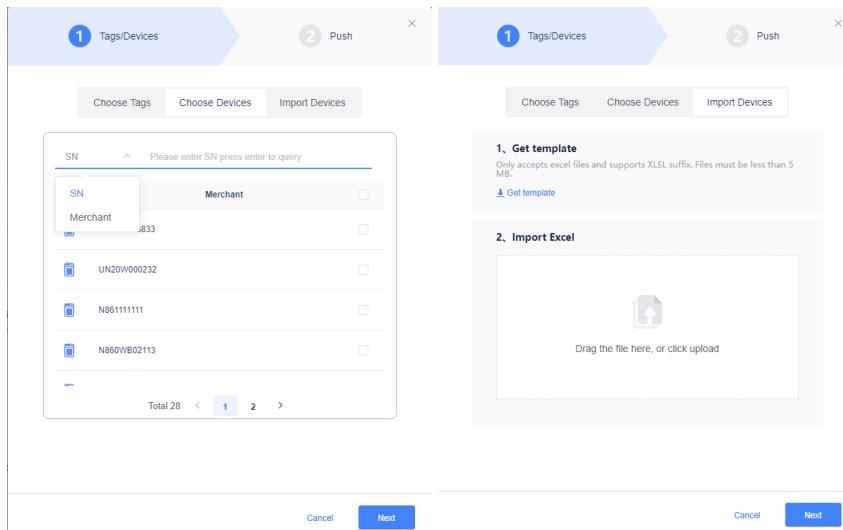
System will ask user whether pushing parameter for the chosen app, if there are relevant parameter files, user can choose the matched parameter file to push at the

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

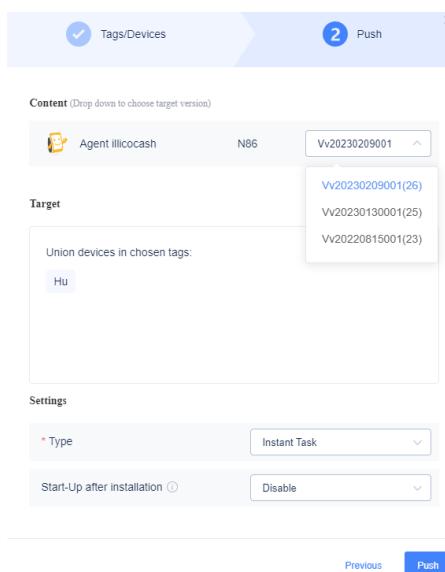


If there is no relevant parameter file, user only need to choose the tags or specific devices for pushing. When there are lots of target devices, user can import the excel file in the 3rd tab.





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.



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.

The screenshot shows the 'Basic information' tab of an app detail page. At the top, there's a small thumbnail of the app icon, followed by text: 'App name:Agent illicocash', 'Package name:cn.nexgo.cgraw', 'Latest Version:v20230209001(26)', and 'Size:16.12MB'. Below this is a row of five tabs: 'Basic information' (selected), 'App version', 'Parameter settings', 'Pushing records', and 'Sales status'. To the right of these tabs are several circular icons with symbols: a blue one with a downward arrow, a blue one with an upward arrow, a green one with a pencil, a yellow one with a circular arrow, and a red one with a trash bin. Below the tabs, there's a section titled 'Screenshots' with three vertical images of a beach scene. Underneath the screenshots, there are several app parameters listed:

- Model:** N86
- Category:** 分类1
- Slogan:** agent
- Introduction:** agent
- Remark:** --

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.

The screenshot shows the 'App version' tab of the app detail page. At the top, there's a small thumbnail of the app icon, followed by text: 'App name:Agent illicocash', 'Package name:cn.nexgo.cgraw', 'Latest Version:v20230209001(26)', and 'Size:16.12MB'. Below this is a row of five tabs: 'Basic information', 'App version' (selected), 'Parameter settings', 'Pushing records', and 'Sales status'. To the right of these tabs is a green 'Publish' button. Below the tabs, there's a section titled 'Stable' with three columns of information:

Upload time	Signature	Version
26/Apr/2023 15:13:41	No Need Signature	v20230209001(In Effect) More

Below this section, there's another row of information:

Update content	agent
----------------	-------

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

Push details

Input SN and enter to query Export

Processing 0/1 Success 0/1 Fail 0/1 Ignored 1/1

SN	Status	DESC	Update Time
N860W032269	Ignored	Device not matched	23/Mar/2023 15:27:24

Total 1 < 1 >

Input task number

Status(All)	Task progress	Operation
Finish	100%	
Finish	100%	
Finish	100%	

Get Shared Apps

User can get the shared apps from Nexgo Public Store. In Nexgo [Developer Platform], the developers can share the apps to Nexgo Public Store (also they can set the price for the apps), each distributor can get apps from this public store.

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.

NEXGO Cloud

App

Category Type Model Charge App Source Parent Distributor

Add App

Featured Apps from parent distributor

NEXGO Store Featured Apps

Search

Total 23 < 1 > Go to 1

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.

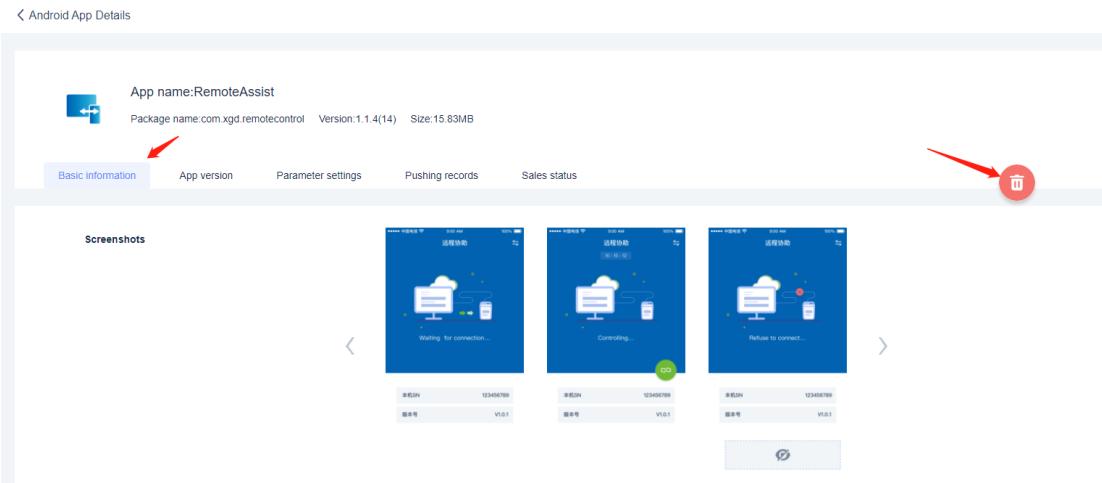
The screenshot displays the NEXGO Cloud interface. On the left, a sidebar titled 'Signature management' has a red box around the 'Android signature' button. The main panel shows a sub-menu 'Android signature' with a red box around the 'Interface permissions' tab. Below this, a table lists interface permissions with columns for Time and Status, all showing 'succeeded'. A modal window titled 'Signature Information' is open, showing 'Signed Automatically' is turned on, and fields for 'App ID' (00269) and 'Secret Key' (19b1756e9*****ddc17d51d7). A note says: 'You can turn on "Interface Permission" in the "Smart Signature" module of SMS and fill in the App ID and Secret Key here to realize application auto-signature.' A red arrow points to the 'Signature Configuration' button at the top right of the main panel.

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

The screenshot shows the 'NEXGO Store' page within the NEXGO Cloud interface. The sidebar has a red box around the 'NEXGO Store' button. The main panel features three large promotional banners: 'Turn Your Ideas into Business', 'A Global Marketplace For Merchants', and 'Mass Selection Application'. Below these are sections for 'Featured' and 'New' apps, each displaying small app icons and names like RemoteAssist, Terminal care, NEXGOStore, PAYA, etc.

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

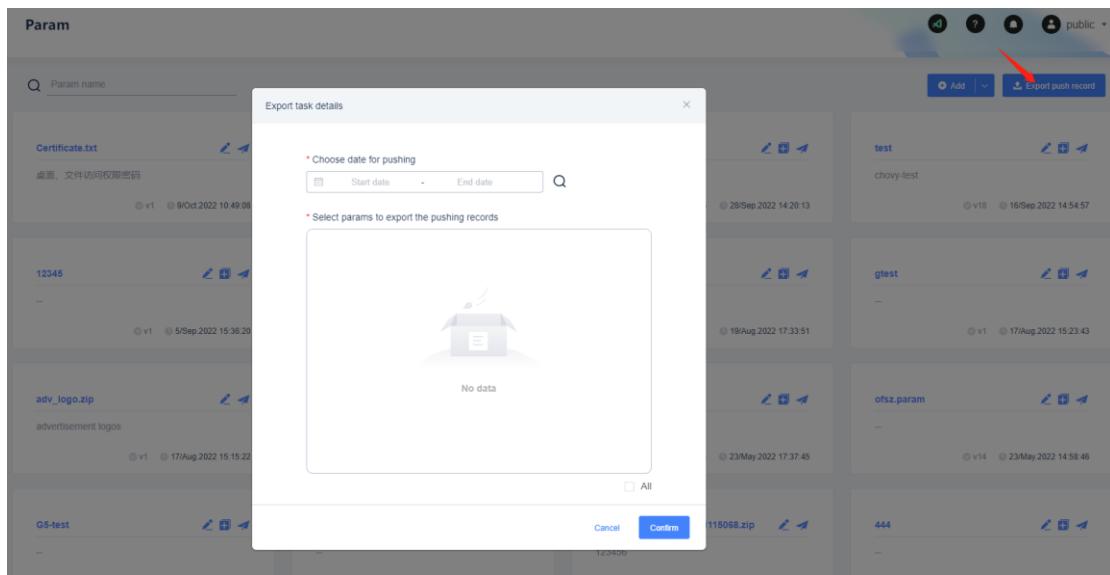
Parameter Content

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

File Name	Description	Version	Last Pushed
Certificate.txt	配置文件访问权限密钥	v1	09Oct 2022 10:49:08
disglobalText	-	v9	01Oct 2022 17:54:21
123	zhuchengao_push	v45	28Sep 2022 14:29:13
test	-	v10	16/Sep 2022 14:54:57
12345	-	v1	05Sep 2022 19:36:20
Wii-Test3	Wii-Test3	v12	22/Aug 2022 19:34:21
cvssp.param	-	v1	19/Aug 2022 17:33:51
gtest	-	v1	17/Aug 2022 15:23:43
adv_logo.zip	advertisement logos	v1	17/Aug 2022 15:15:22
ads_images.zip	ads_images	v1	07/Aug 2022 17:51:40
mms.param	-	v3	23/May 2022 17:37:45
ofs2.param	-	v14	23/May 2022 14:58:46
G2_kernel_V31CNLIB171115088.zip	-	v1	123456
444	-	v1	-

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

the target parameter files which need to be exported.

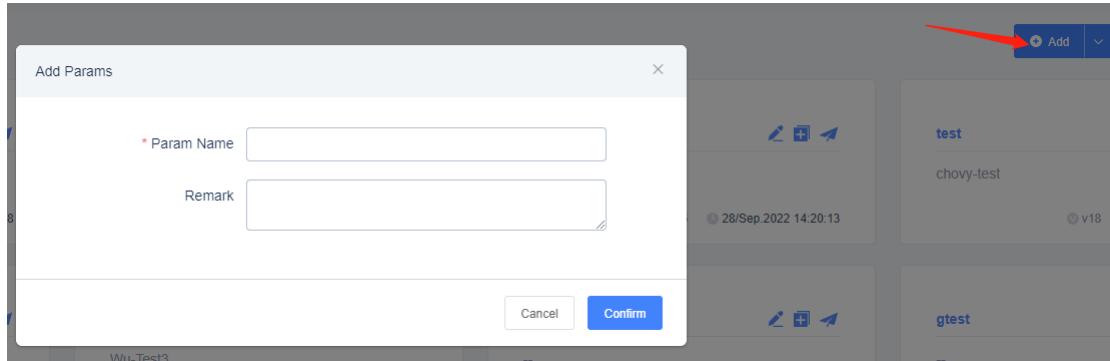


Below is the exported excel content.

A	B	C	D	E	F	G
ParamName	app	sn	GroupName	PushCreateTime	PushState	Reason
34567890123456789012	WizNote	N3000179742		2021-07-16 15:53:18	Not Reached	--

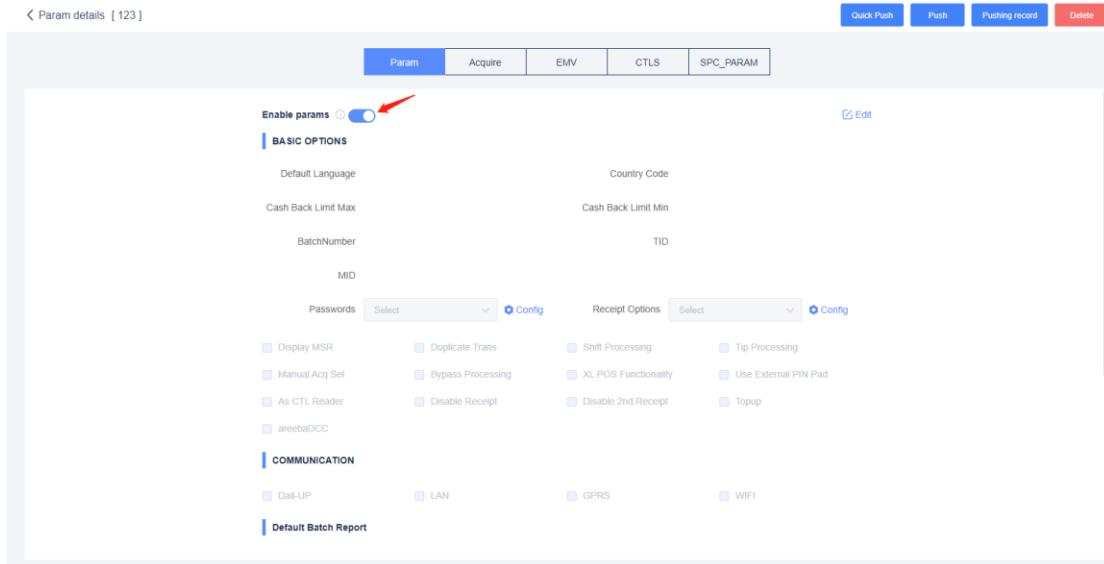
Nexgo Template

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

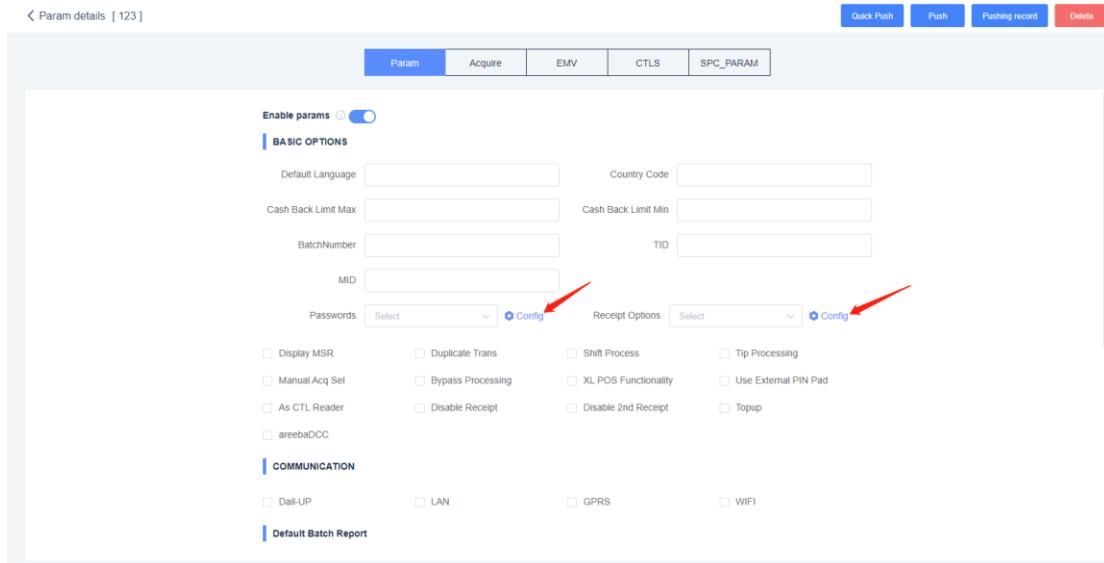


Similar with XTMS 3.0, Nexgo Cloud System contains the same parameter modules: Basic/Acquirement/Issuer/EMV/Contactless/Specific.

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



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



Below is the example configuration of [Passwords].

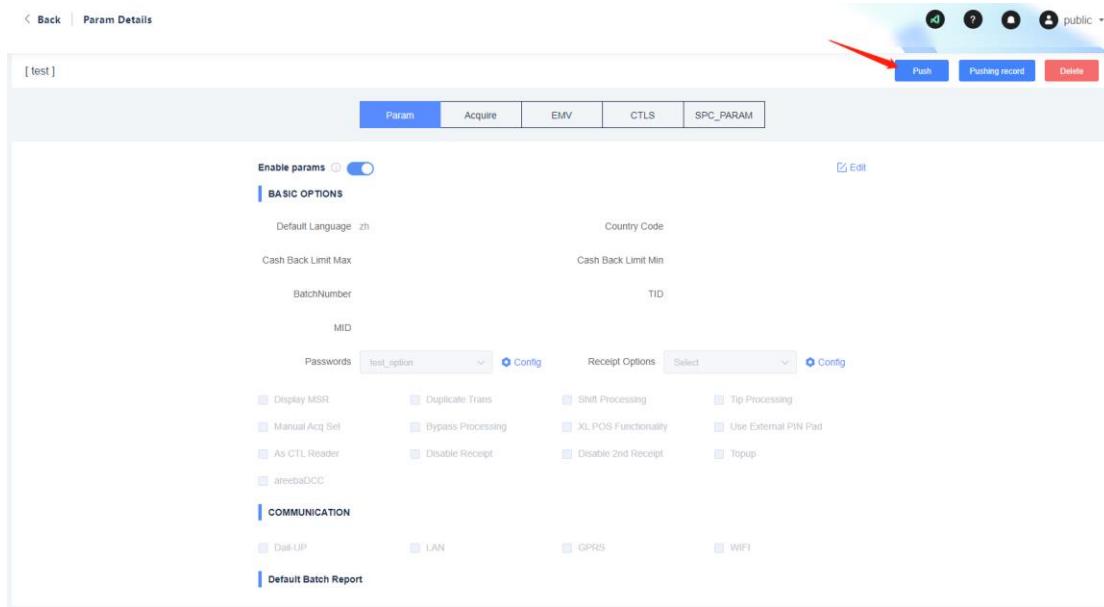
For the tab of [SPC_Param], system provide 3 different kinds of parameter item:

Character/Number/Boolean. For the type of character, mixlength & maxlenlength 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.

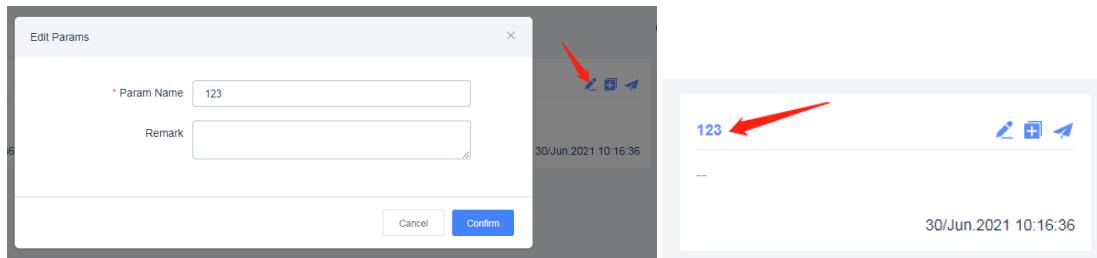
The figure consists of three vertically stacked screenshots of a software interface for managing parameter items. Each screenshot shows a central 'Add Parameter Item' dialog box over a background list of parameter codes (12000004, 12000003, 12000002, 12000001) and a table of current parameter settings.

- Screenshot 1 (Character Type):** The 'datatype' dropdown is set to 'Character'. Other fields include 'code' (empty), 'name' (empty), 'minlength' (empty), 'maxlength' (empty), 'defaultValue' (empty), and 'display' (empty). A red arrow points to the 'datatype' dropdown. The 'defaultValue' column in the table shows values 0, 1, 1, 1. The 'operation' column shows edit (blue pencil) and delete (red trash bin) icons.
- Screenshot 2 (Number Type):** The 'datatype' dropdown is set to 'Number'. Other fields include 'code' (empty), 'name' (empty), 'min' (empty), 'max' (empty), 'defaultValue' (empty), and 'display' (empty). A red arrow points to the 'datatype' dropdown. The 'defaultValue' column in the table shows values 0, 1, 1, 1. The 'operation' column shows edit (blue pencil) and delete (red trash bin) icons.
- Screenshot 3 (Boolean Type):** The 'datatype' dropdown is set to '1/0'. Other fields include 'code' (empty), 'name' (empty), 'minlength' (1), 'maxlength' (1), 'defaultValue' (empty), and 'display' (empty). A red arrow points to the 'datatype' dropdown. The 'defaultValue' column in the table shows values 0, 1, 1, 1. The 'operation' column shows edit (blue pencil) and delete (red trash bin) icons.

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.

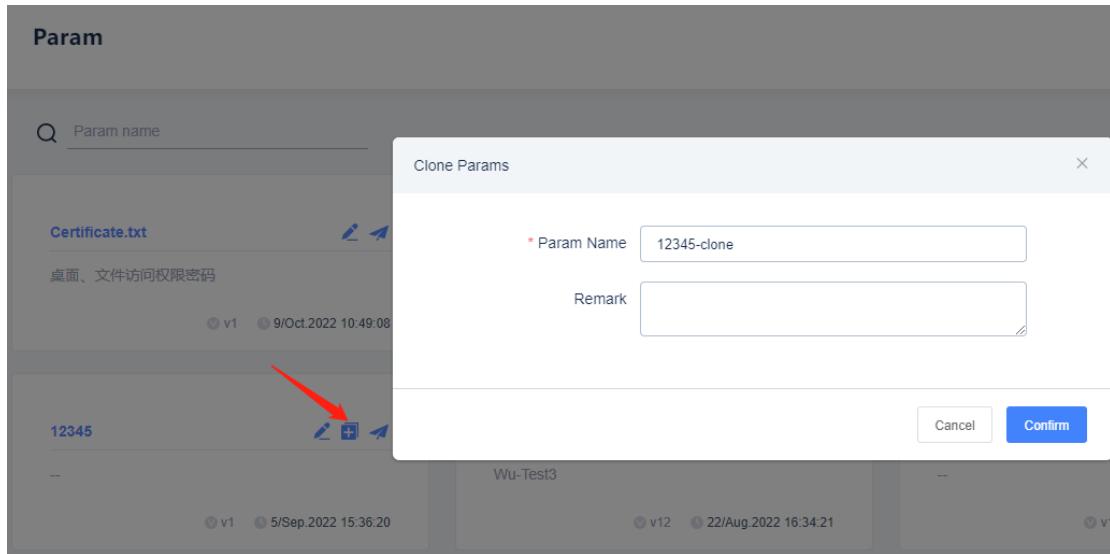


After created new parameter files, user can edit the parameter contents by clicking the parameter name.



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.

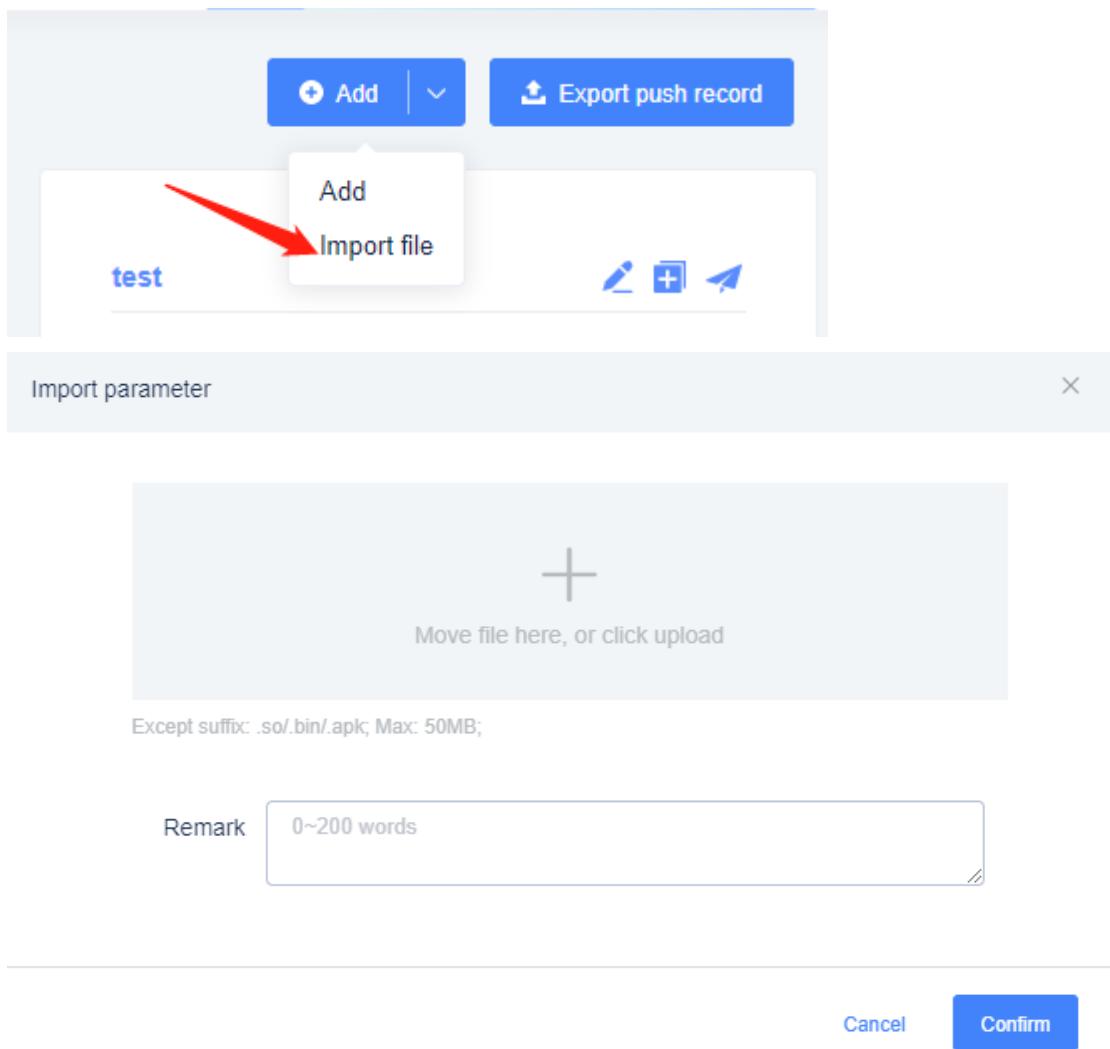
Note: when user click clone and name for the new parameter profile, only the items in the database will be cloned, please don't forget to generate param file before pushing.



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.



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

The screenshot shows the 'Param Details' page. On the left, a file named 'self-param-test.txt' is listed with a red arrow pointing to it. The main area displays two pushing records in a table:

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	Immediately	Certificate.txt	v1	xms	Selects	Finish	100%	.../
PA00073405	Lee	9/Oct.2022 10:51:05	Immediately	Certificate.txt	v1	xms	Tags	Closed	0%	.../

At the bottom, there are 'Push' and 'Delete' buttons, and a search bar with 'Input task number'.

Pushing

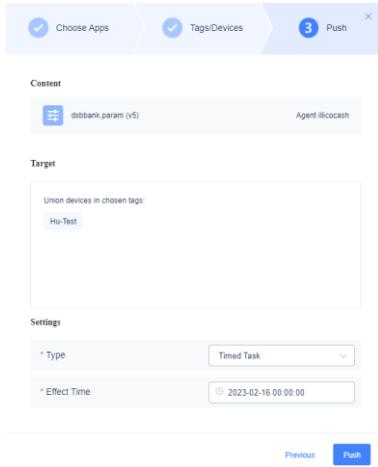
Same with the pushing process of App, user can push the parameter file to tags or specific devices, user can choose the specific SN or import batch of SN from Excel. It's required to choose the related app firstly.

The screenshot shows the NEXGO Cloud interface for pushing. It consists of two main sections: a left sidebar and a right main panel.

Left Sidebar (Choose Apps):

- Step 1: Choose Apps (highlighted in blue).
 - Buttons: Android App (selected), Linux App.
 - Search bar: Input app name and enter to query.
 - List of apps:
 - Demo (com.xgd.showdemo)
 - Agent illicocash (cn.nexgo.cgraw)
 - Support (com.nexgo.essential)
 - [Redacted]
 - Buttons: Cancel, Next.
- Step 2: Tags/Devices (highlighted in blue).
 - Buttons: Choose Tags, Choose Devices, Import Devices.
 - Tag List:
 - Intersection (radio button selected), Union.
 - Tags listed in rows:
 - N86-Test, N5-Terminal, UN20, lee, G5-Test, Hu-Test
 - Hu-Linux, woyuxi, Hu, Disglobal-test, Mike, ZhuYI
 - wuzugui_traditioal_models, wuzugui_smart_models, 1, 2, 123
 - TESTEP, TESTEP2, 346, Mobilkassa, 222
 - Checked Tags: A list box below the tag list.
 - Buttons: Previous, Next.
- Step 3: Push (highlighted in blue).
 - Buttons: Add, Export push record.

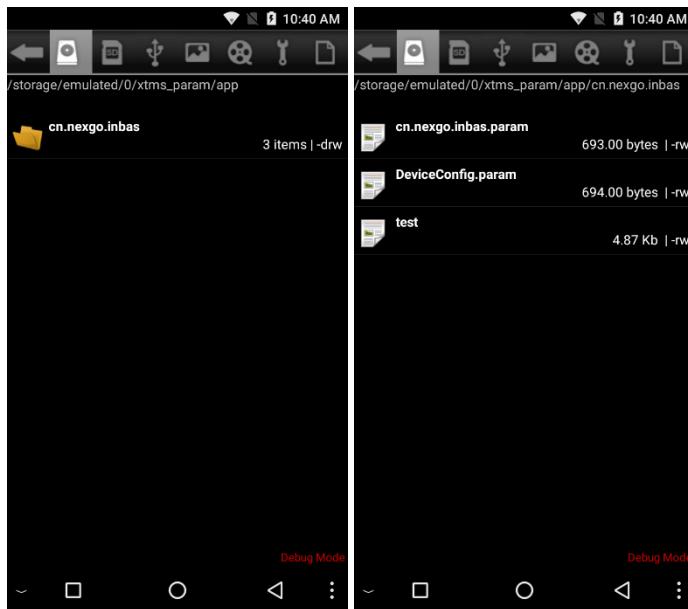
Same with the app pushing flow, after selected tags/devices, user also can determine when this task will take effect by choosing [Timed Task].



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.

The screenshot shows the 'Param Details' section of the NEXGO Cloud interface. At the top right, there are several icons: a green arrow, a question mark, a circular arrow, a person icon, and a dropdown menu set to 'public'. Below these are two blue buttons: 'Push' and 'Pushing record'. A red arrow points from the text below to the 'Pushing record' button.

Param	Acquire	EMV	CTLS	SPC_PARAM
<input checked="" type="checkbox"/> Enable params				
BASIC OPTIONS				
Default Language zh	Country Code			
Cash Back Limit Max	Cash Back Limit Min			
BatchNumber	TID			
MID				

The screenshot shows the 'Push List' page. It lists a single task: '2021-03-08T02:32:52Z' with 'TEST' as the push device and 'ActivityLifeCycleTest' as the app name. The status is 'Executing'. An 'Operation' button is highlighted with a red arrow. A modal dialog titled 'Tips' appears, stating: 'When the push is turned off, the not started tasks will no longer be processed.' with 'No' and 'Yes' buttons.

The screenshot shows the 'Pushing Records' page. It displays a table of tasks and a detailed view of one task. The detailed view shows 'Push details' with a search bar and a legend for task status: Processing 0/1, Success 1/1, Fail 0/1, Ignored 0/1. The main table has columns: Taskid, Creator, Create Time, Status, Desc, and Update Time. The status column for the first task shows 'Success'. To the right, a table shows 'Task progress' for four tasks, all at 100% completion. An 'Operation' button is highlighted with a red arrow.

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.

The screenshots illustrate the NEXGO Cloud interface for managing device firmware. In the 'Firmware' section, two new updates are listed as ZIP files. A notification overlay appears, indicating that the 'N86' firmware has been released. In the 'Message' section, a notification for the same update is shown, with a red arrow highlighting the 'public' sharing option.

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.

The screenshot shows the NEXGO Cloud Firmware interface. On the left, a sidebar menu includes Home, Upgrades, Task Center, Task List, App, Param, and **Firmware**, with the Firmware option highlighted by a red box. The main area displays two firmware files: "N5_new" (v1.3.4_Nadeks000003) and "N86". A large blue "Push" button is visible below the "N86" file. The interface is divided into three main sections:

- Step 1: Tags/Devices**: Shows a "Tag List" with various device tags like "N86-Test", "Hu-Test", "Hu-Linux", etc., and a "Checked Tags" section with "Hu" selected.
- Step 2: Push**: Shows a "Choose Tags" dropdown with "Merchant" selected, a "Choose Devices" dropdown with "Hu" selected, and an "Import Devices" button.
- Step 3: Import Excel**: A section for importing an Excel file to get a template, followed by a "Import Excel" area with a "Drag the file here, or click upload" placeholder.

Below these steps, the "Content" section lists "N86 (V1.1.0_N86000001)" and the "Target" section specifies "Union devices in chosen tags: Hu". The "Settings" section shows "Type: Instant Task". At the bottom, there are "Previous" and "Push" buttons.

The screenshot shows the 'Firmware Details' section of the NEXGO Cloud interface. On the left, there's a sidebar with various options like Home, Upgrades, Task Center, Task List, App, Param, **Firmware** (which is highlighted), Certificate, Screen Saver, Boot Animation, Linux App, Linux Firmware, Profile, Devices, and Device List. The main area displays a list of firmware packages under 'My Focus' and 'All'. One package is selected, showing its details: Update time: 19/May/2023 14:23:44, Version update: 0, File size: 4.33MB. Below this is a table of tasks with columns: TaskId, Creator, Create Time, Effect Time, Installation mode, Push device (All), Status(All), Task progress, and Operation. Three tasks are listed: FW00003471 (public, 19/May/2023 14:46:13, Immediately, By SN, Processing, 0%), FW00003470 (public, 19/May/2023 14:35:24, Immediately, By SN, Finish, 100%), and FW00003469 (public, 19/May/2023 14:29:36, Immediately, By SN, Closed, 0%).

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.

The two screenshots illustrate the 'Push' operation. In the first screenshot, a red arrow points to the 'Push' button on the right side of the main panel, which is highlighted for the selected firmware package. In the second screenshot, another red arrow points to the 'Push' button on the right side of the main panel, but it is now highlighted for a different firmware package, indicating that the user has pushed a new version to a different tag.

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 figure consists of three vertically stacked screenshots of the NEXGO Cloud software interface, specifically the 'Upgrades' section.

Screenshot 1 (Top): Shows an upgrade for 'V1.1.0_N86000001'. The 'Status' is 'Closed'. The 'Operation' column shows a blue circular icon with a white play symbol and three dots. The table below lists one task: Push time 5/Aug/2021 17:26:59, Installation mode General installation, Group Hu-Test, Installed (unit) 0, Status Closed, and Operation (blue icon).

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

Screenshot 2 (Middle): Shows upgrades for 'V1.1.0_N86000002' and 'V1.1.0_N86000001'. The 'Status' for V1.1.0_N86000002 is 'Executing'. The 'Operation' column shows a green circular icon with a play symbol and three dots. The table below lists two tasks: Push time 5/Aug/2021 17:28:21, Installation mode General installation, Group Hu-Test, Installed (unit) 0, Status Executing, and Operation (green icon); and Push time 5/Aug/2021 17:28:21, Installation mode General installation, Group Merchant Test 1, Installed (unit) 0, Status Closed, and Operation (red icon).

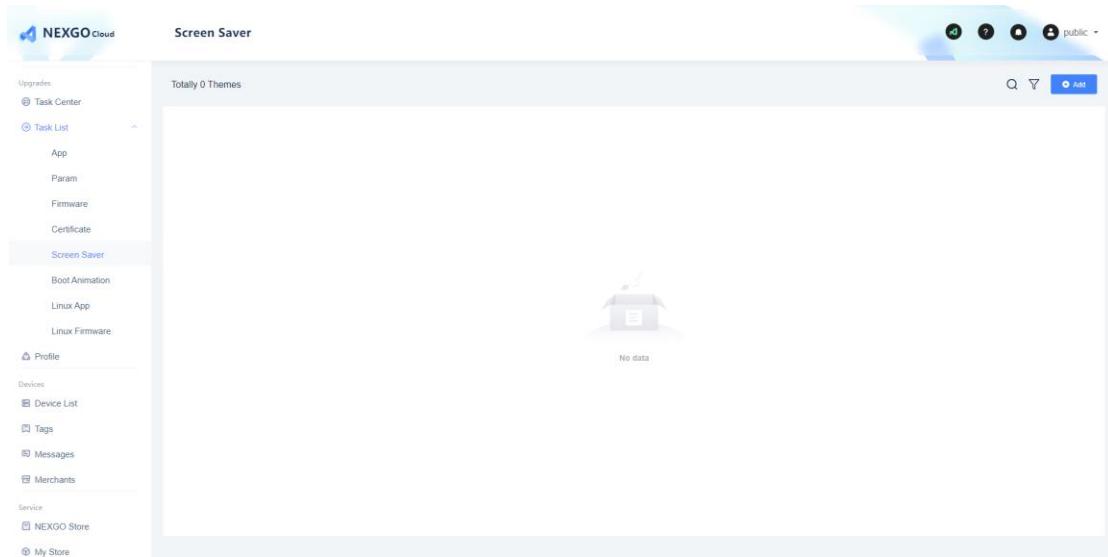
Push time	Installation mode	Group	Installed (unit)	Status	Operation
5/Aug/2021 17:28:21	General installation	Hu-Test	0	Executing	
5/Aug/2021 17:28:21	General installation	Merchant Test 1	0	Closed	

Screenshot 3 (Bottom): Shows an upgrade for 'V1.1.0_N86000003'. The 'Status' is 'Executing'. The 'Operation' column shows a green circular icon with a play symbol and three dots. The table below lists one task: Push time 5/Aug/2021 17:31:52, Installation mode General installation, Group Merchant Test 1, Installed (unit) 0, Status Executing, and Operation (green icon).

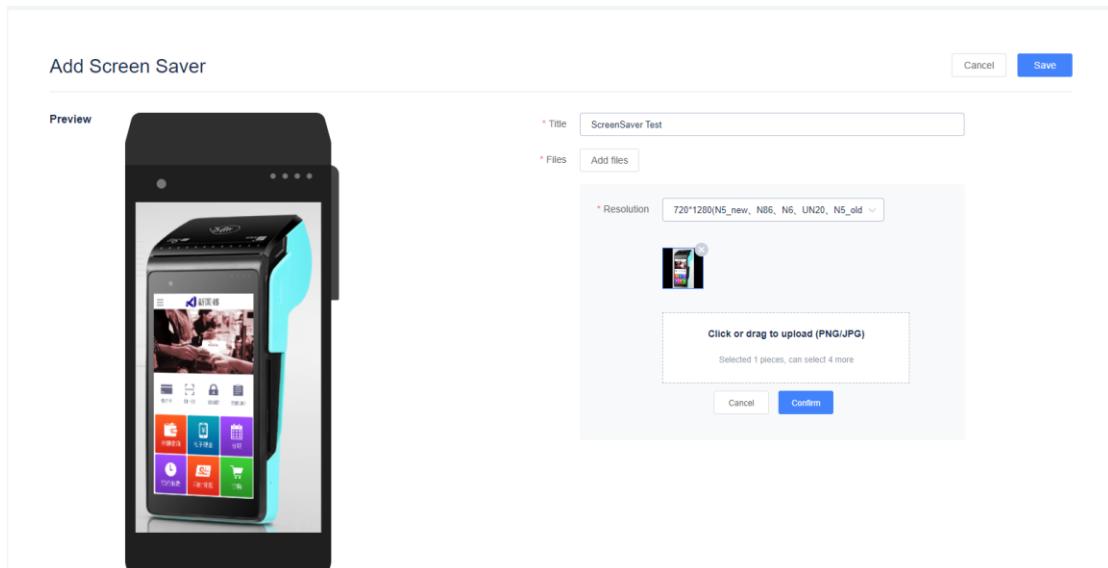
Push time	Installation mode	Group	Installed (unit)	Status	Operation
5/Aug/2021 17:31:52	General installation	Merchant Test 1	0	Executing	

Screen Saver

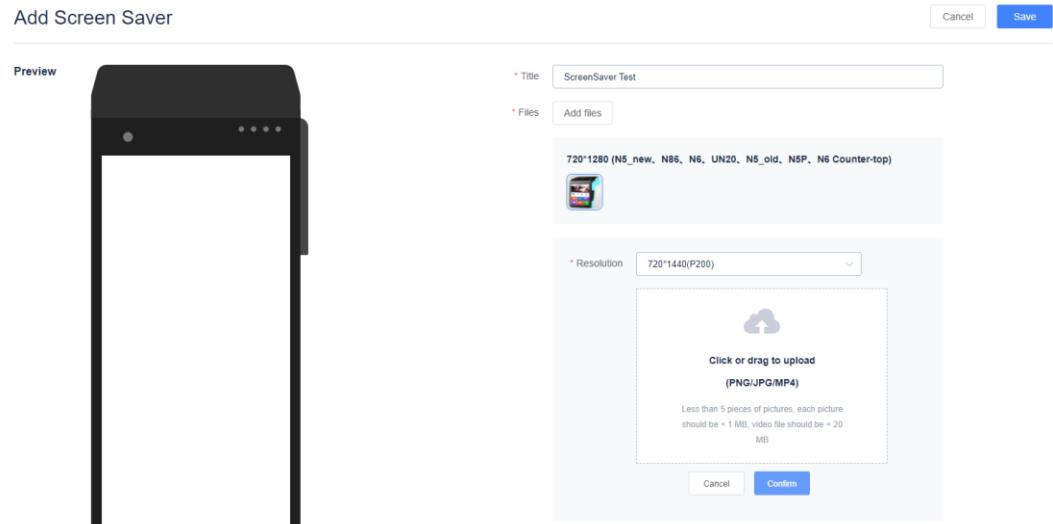
Firstly, system will display the uploaded screen saver list, user can add new screen saver by clicking button [Add].



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

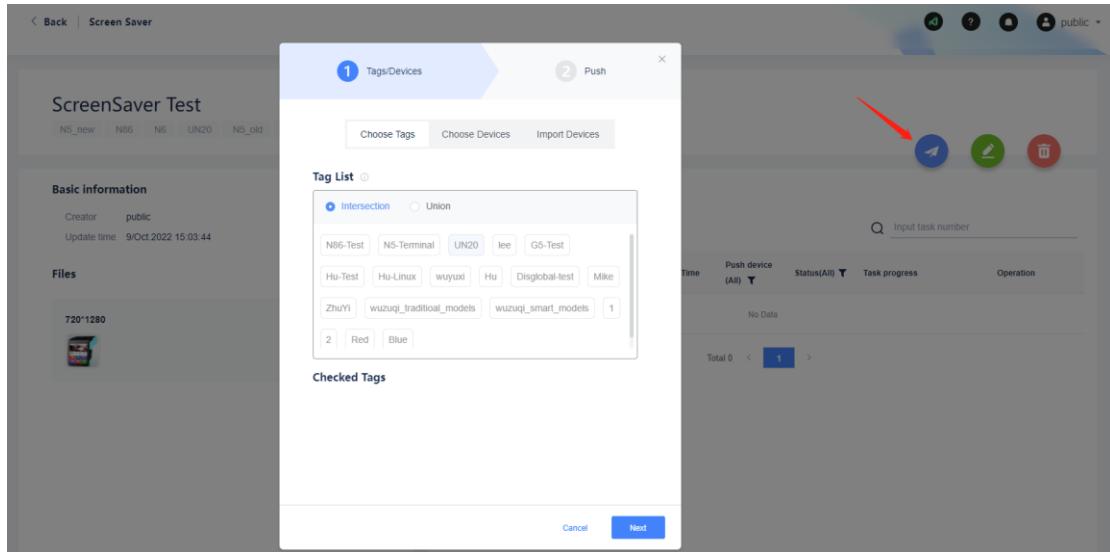


User can add screen saver pictures for different resolutions. At one moment, only one picture can be edited, if user wants to upload screen saver picture for different resolution, please click [Confirm] and then click [Add files] to add for other resolution.



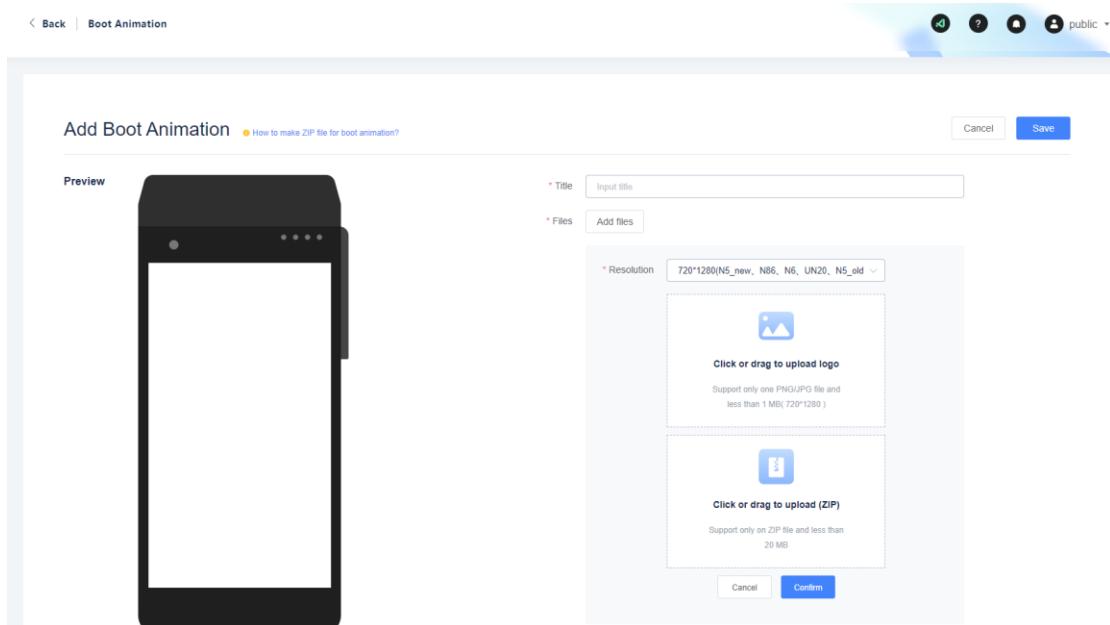
After saved the pictures, user can push it to devices, the pushing way is same with App.

The screenshot shows the NEXGO Cloud interface with the 'Screen Saver' feature. On the left, a sidebar lists various options: Home, Upgrades, Task Center, Task List, App, Param, Firmware, Certificate, Screen Saver (which is selected and highlighted in blue), Boot Animation, Linux App, Linux Firmware, Profile, Devices, Device List, Tags, and Messages. In the main area, under 'Screen Saver', it says 'Totally 1 Themes' and shows a thumbnail of a smartphone screen. A red arrow points to this thumbnail. A modal window titled 'Tags/Devices' is overlaid. It has two tabs: '1 Tags/Devices' and '2 Push'. Under 'Tags/Devices', there are three buttons: 'Choose Tags', 'Choose Devices', and 'Import Devices'. Below these buttons is a 'Tag List' section with two radio button options: 'Intersection' (selected) and 'Union'. A scrollable list of tags includes: N86-Test, NS-Terminal, UN20, lee, G5-Test, Hu-Test, Hu-Linux, wuyuxi, Hu, Disglobal-test, Mike, ZhuYi, wuzuqi_traditional_models, wuzuqi_smart_models, Red, and Blue. At the bottom of the modal is a 'Checked Tags' section, which is currently empty. At the very bottom of the modal are 'Cancel' and 'Next' buttons.



Boot Animation

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

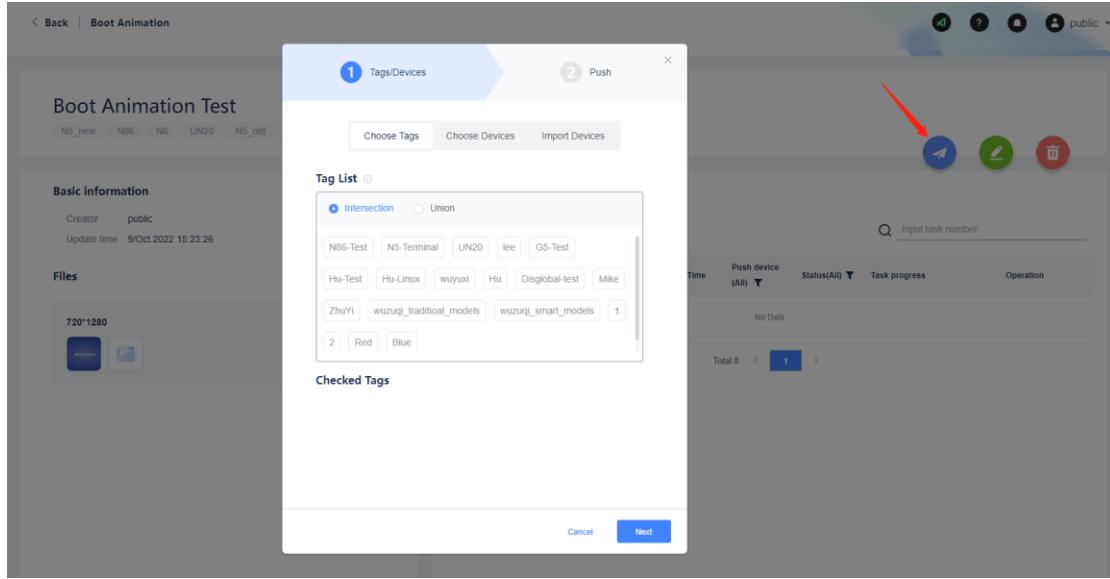


Please notice the packing rules when generating the animation file (.zip).

The pushing way is the same with screen saver.

The screenshot illustrates the steps to add a boot animation:

- Add Boot Animation**: A modal window with a preview of a smartphone screen. It includes a link to "How to make ZIP file for boot animation?". A red arrow points from the top right of this window towards the "pic" folder in the ZIP file view.
- ZIP File Content**: A file browser showing the contents of "xxx.zip". It contains a folder named "pic". A red arrow points from the "pic" folder to a note: "Please make sure to name the folder inside the ZIP file with 'pic'".
- Boot Animation**: A main dashboard showing "Totally 1 Themes". A red arrow points from the "Boot Animation Test" theme card towards the "Tags/Devices" step of the workflow.
- Workflow Step 1: Tags/Devices**: A step titled "1 Tags/Devices" with three options: "Choose Tags", "Choose Devices", and "Import Devices".
- Tag List**: A list of tags categorized by intersection or union. The "Intersection" option is selected. Tags listed include: 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**: A section showing the selected tags: 1, Red, and Blue.
- Workflow Step 2: Push**: A step titled "2 Push" with "Cancel" and "Next" buttons.

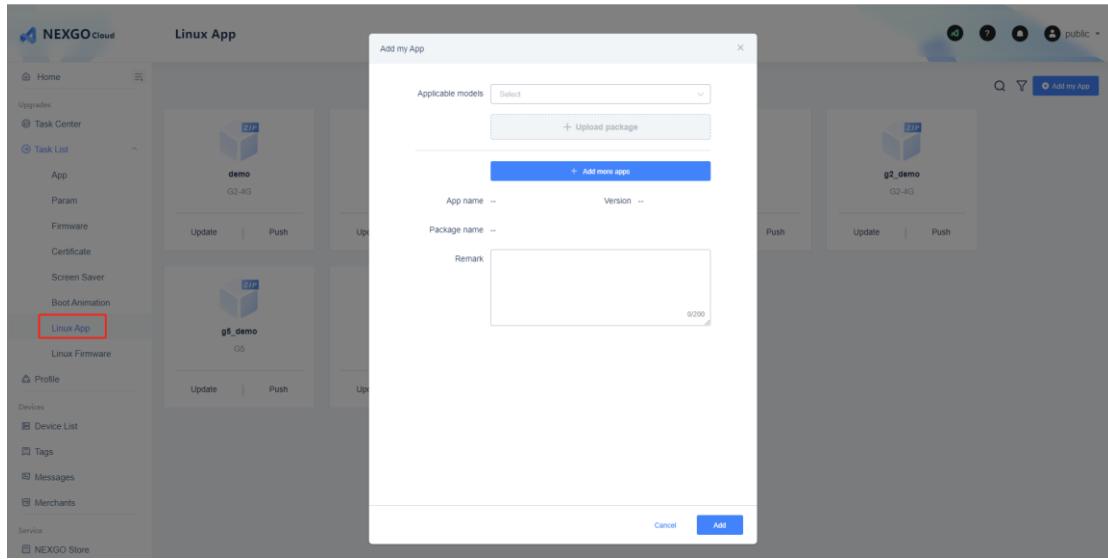


Linux App

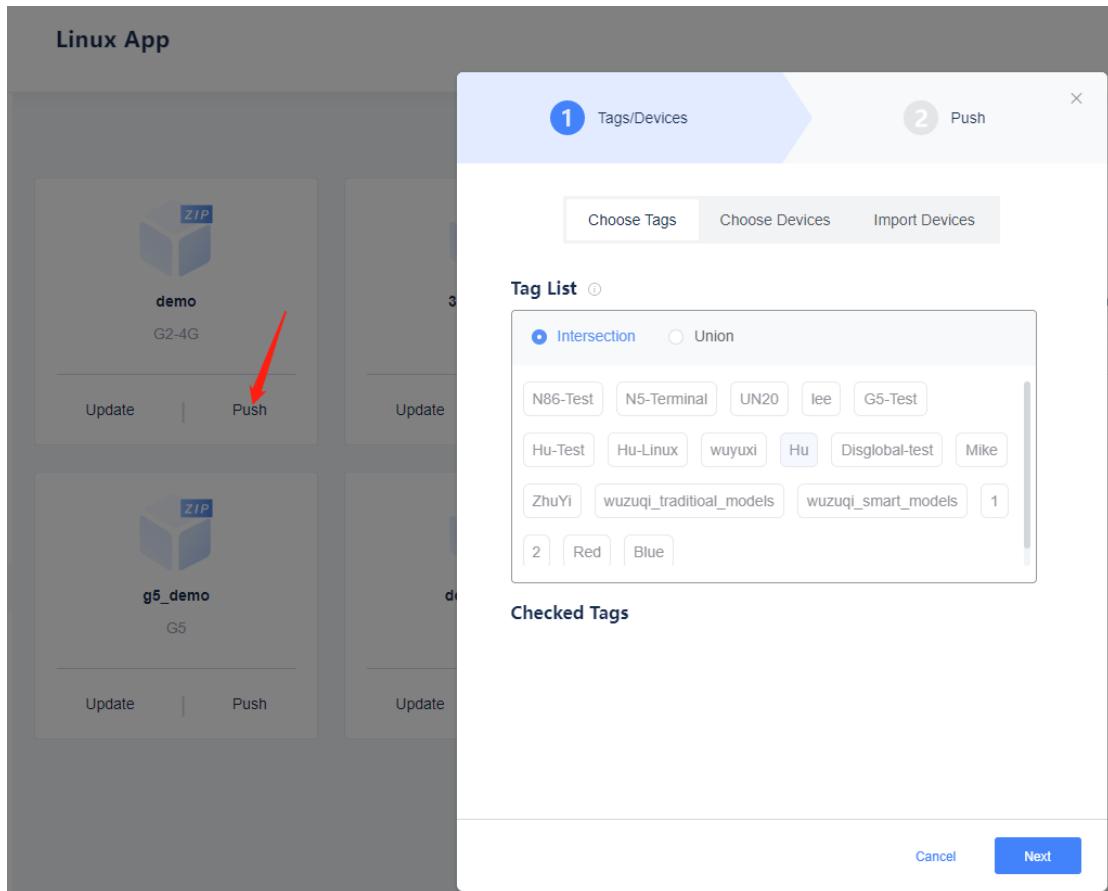
Nexgo Linux devices also can be managed by Nexgo Cloud system. Different with android devices, all of Linux devices only support the heartbeat connection, which means there is no MQTT with Linux devices, so they will access to system by cycle.

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].

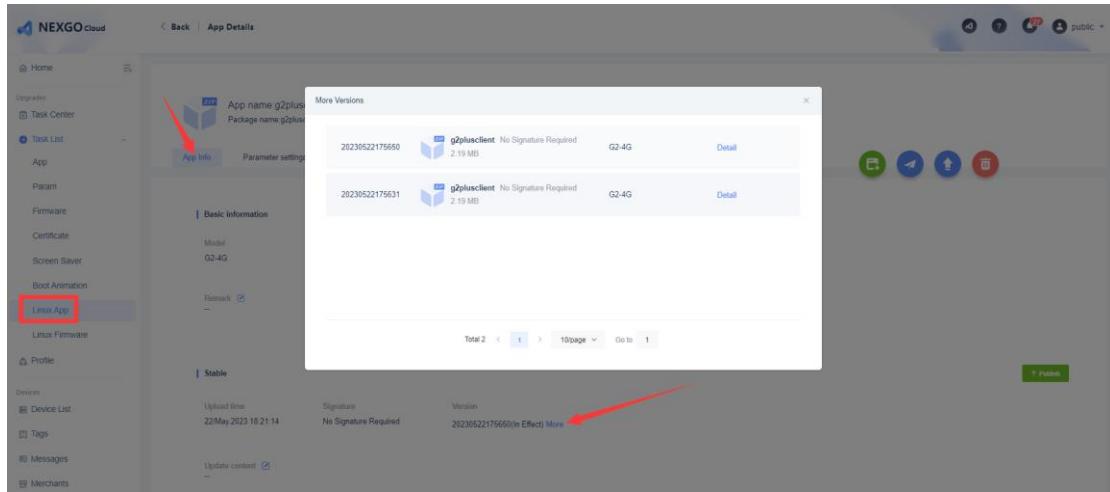
Different with android apps, Linux app is working for a specific Linux device model, so user should choose a single device model when uploading. Nexgo Cloud will parse the app when uploading, and display the basic information like app name, version and file size etc.



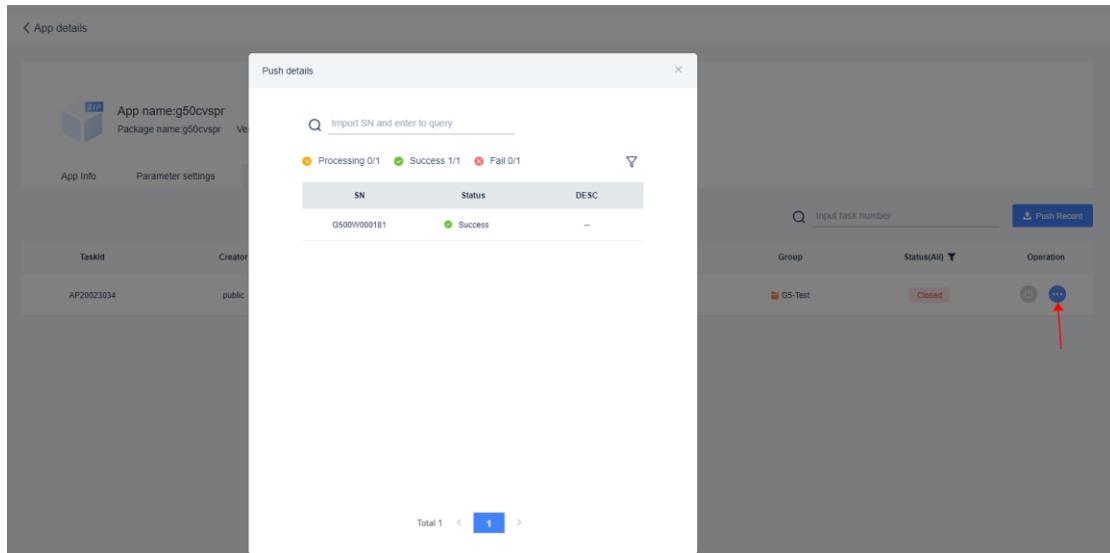
The pushing way is same with the Android App pushing.



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 Nexo team, the distributor users can only check/push it. But user can only choose the target tags/devices for pushing.

The screenshot illustrates the NEXGO Cloud interface for managing Linux Firmware upgrades. The main navigation bar includes Home, Upgrades, Task Center, Task List, App, Param, Firmware, Certificate, Screen Saver, Boot Animation, Linux App, and Linux Firmware. The Linux Firmware option is highlighted with a red box.

Linux Firmware Screen:

- Shows two ZIP files: Q5 (20220621160205) and Q2-4G (20220428170301).
- A modal window titled "Tags/Devices" is open, divided into two steps: 1. Tags/Devices and 2. Push.
- Step 1: "Choose Tags" tab is selected, showing a "Tag List" with "Intersection" selected. Tags listed include: 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.
- Step 2: "Push" tab is shown below the tag selection.
- Buttons: Cancel and Next.

Linux Firmware Details Screen:

- Shows the details for the selected firmware file (20220621160205).
- Task list table:

TaskId	Creator	Create Time	Effect Time	Push device (All)	Status(All)	Task progress	Operation
FW10000048	public	4/Aug 2022 16:45:31	Immediately	Group	Closed	0%	
FW10000047	public	4/Aug 2022 16:36:42	Immediately	Group	Closed	0%	
FW10000041	public	22/Jun 2022 10:02:47	Immediately	Group	Closed	0%	
FW10000040	public	22/Jun 2022 09:40:09	Immediately	Group	Closed	0%	
FW10000039	public	22/Jun 2022 09:39:08	Immediately	Group	Closed	0%	

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.

01 Task Info

Profile name: My Profile
Remark: For demo

02 Conditions (Devices which meet multiple conditions, at least one condition should be set)

Filter by tags, Filter by models, Filter by merchants

Filter by tags

Union, Choose Tags

03 Contents

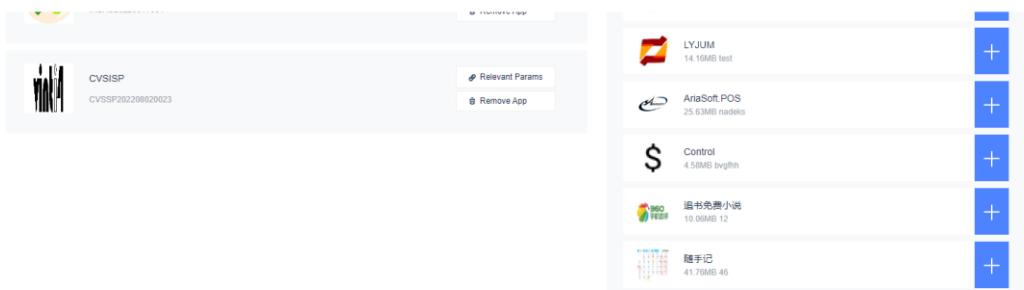
AppsParameters

Added app number 2 , param number 0

App list

- Agent illicash 22.87MB Agent Application
- LYJUM 14.10MB test
- AriaSoft.POS 25.63MB hadeks
- Control 4.58MB trygith
- 追书免费小说 10.05MB 12
- 随手记 41.70MB 45

04 Smart Push



4. Smart Push (According to the conditions, system will generate task flow and push to the devices in valid time.)

Validate Permanent Temporary



User can set the parameters for each App.

3. Contents

I Apps/Parameters

Added app number 2 , param number 0

Relevant parameter

Please enter parameter file name

File name	Create time	Remark
Certificate.txt	9/Oct/2022 10:49:08	桌面、文件访问权限密码
disglobalText	8/Oct/2022 17:54:21	
123	28/Sep/2022 14:20:13	zhuzhengao_push
12345	5/Sep/2022 15:36:20	
Wu-Test3	22/Aug/2022 16:34:21	Wu-Test3
new param	10/Aug/2022 17:33:51	

Total 22 < 1 2 3 >

3. Contents

I Apps/Parameters

Added app number 2 , param number 1

INBAS

INBAS20220617001

12345

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

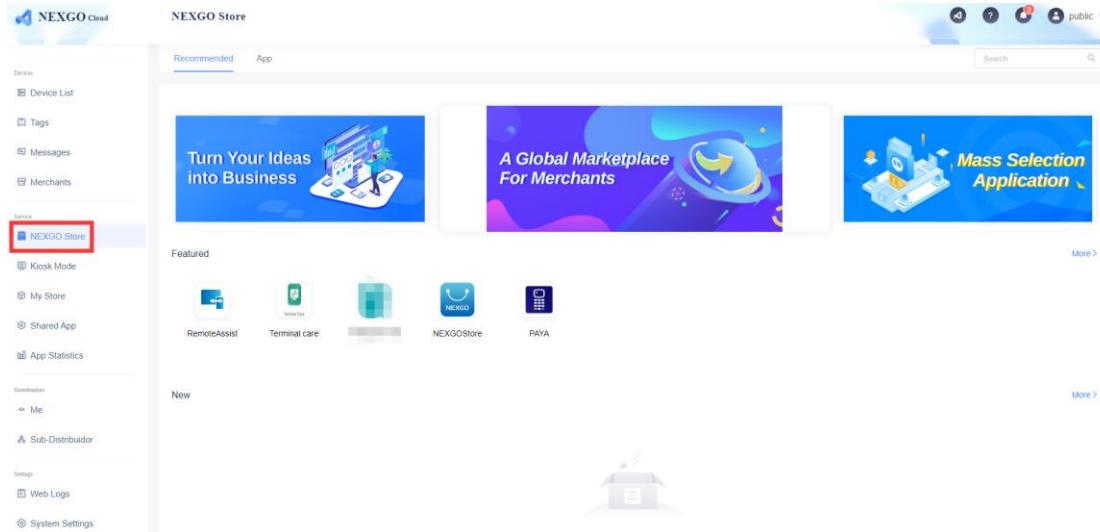
The screenshot shows the NEXGO Cloud interface with the 'Profile' tab selected. On the left, a sidebar lists various sections like Home, Upgrades, Task Center, Task List, Profile (which is selected), Devices, Service, Distribution, and Settings. The main area displays a list of profiles. One profile, 'My Profile', is highlighted with an orange border and labeled 'Initial'. It shows a valid date range from 10/Oct/2022 00:00:00 to 4/Nov/2022 00:00:00. Below the list, there's a section titled 'Condition to sync' with checkboxes for 'Union of tags' (selected) and 'Hu', 'Models' (selected), 'N5_new', 'Merchants' (selected), and 'Test Merchant'. To the right, a 'Matched devices' section shows a device entry for 'N50007U6917' added on 2022-10-09 15:59:34.

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.



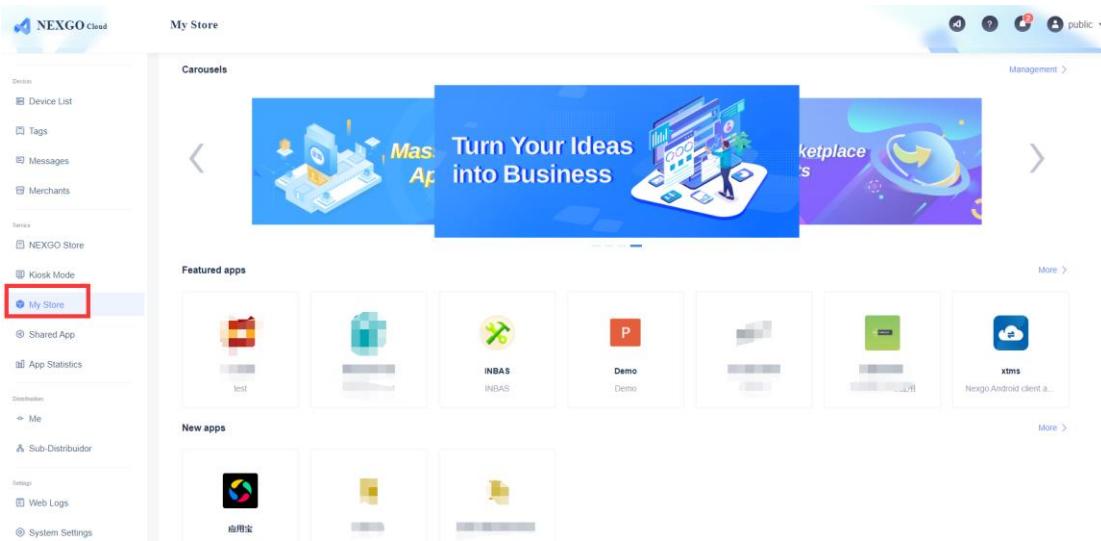
Kiosk Mode

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.

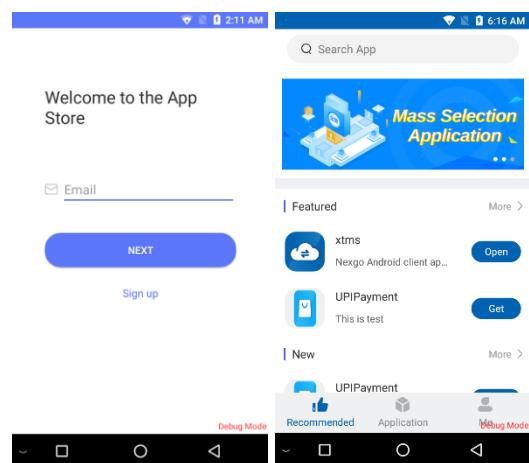
My Store

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

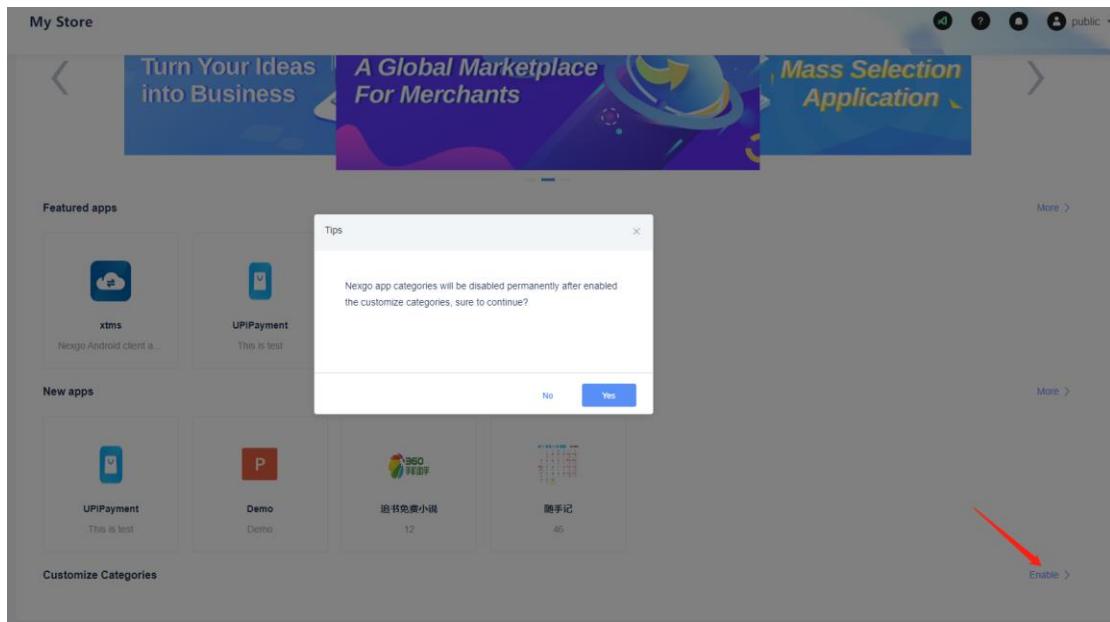
connection. User can manage the carousels and featured apps in the recommend tab in this page.



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.

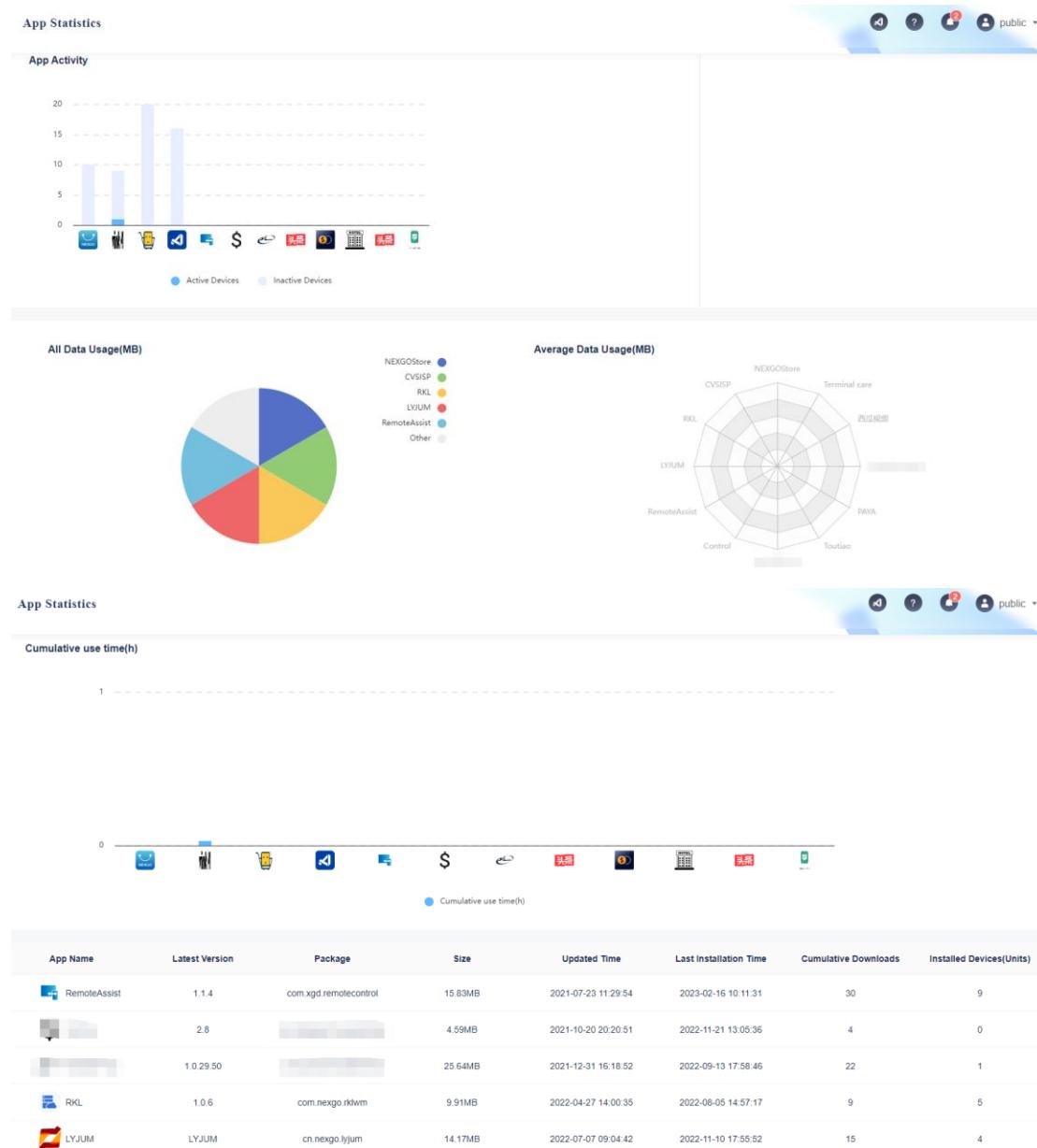


App Statistics

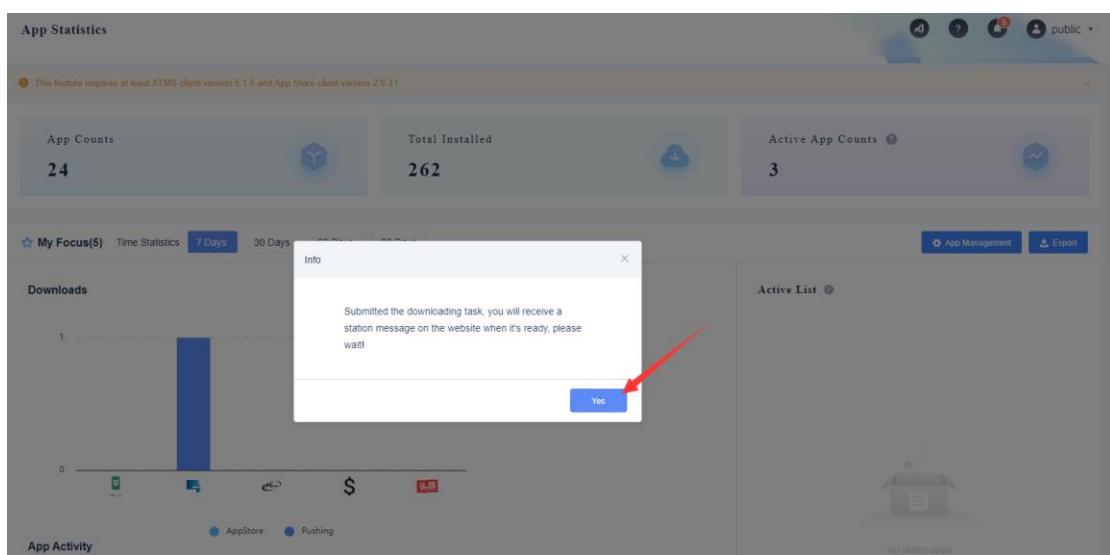
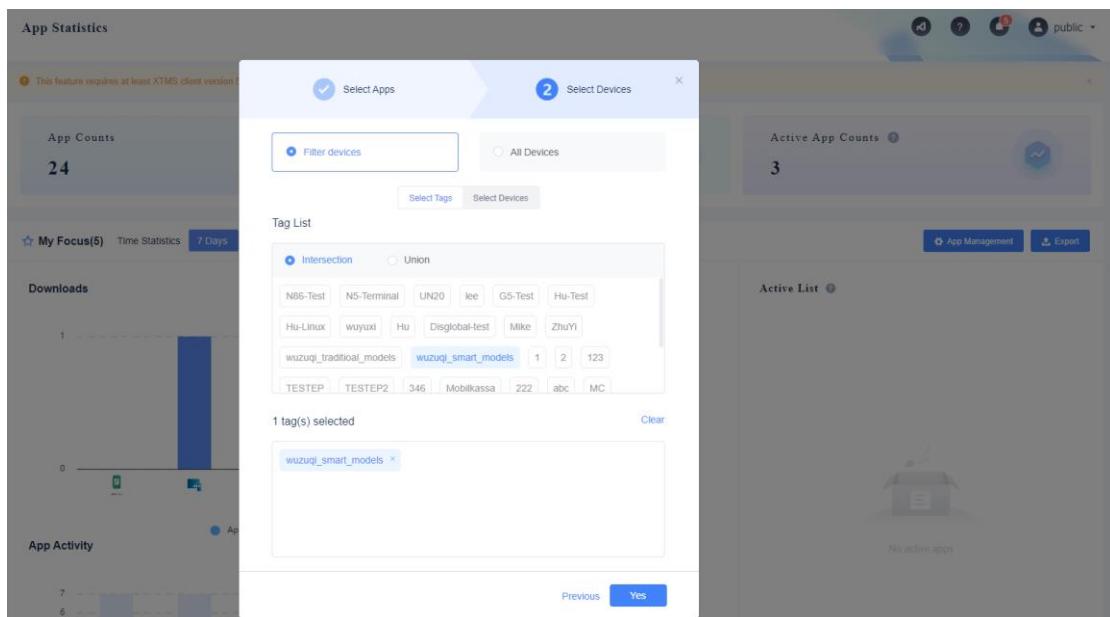
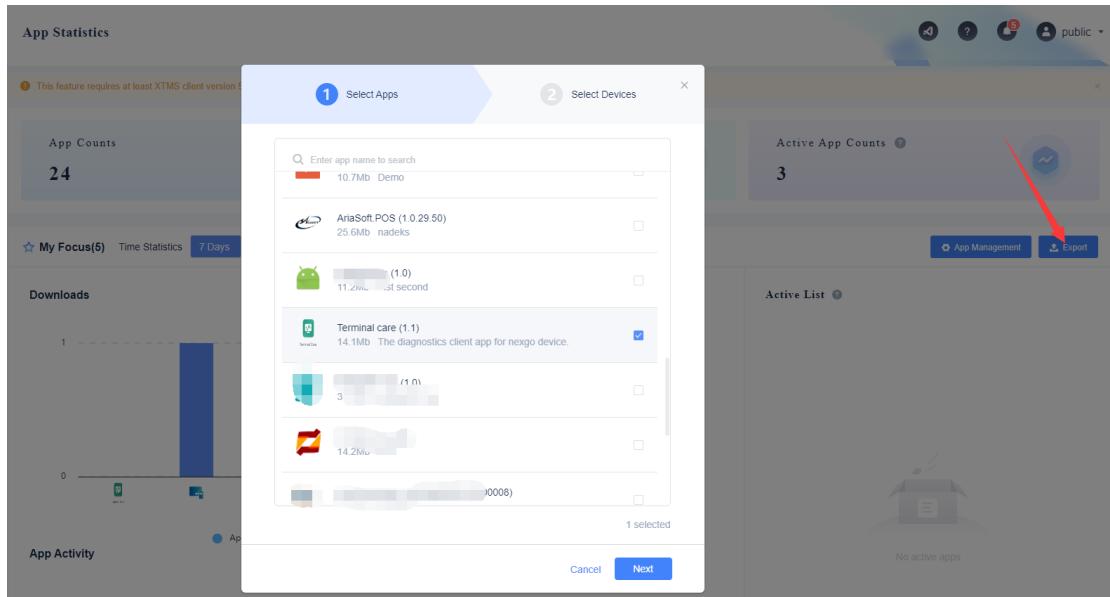
User can get the overview of App information, such as downloads/data usage/usage time of each App etc.

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

A screenshot of the NEXGO Cloud App Statistics page. On the left, there is a sidebar with various menu items: Home, Updates, Task Center, Task List, Profile, Device List, Tags, Messages, Merchants, Service, NEXGO Store, Kiosk Mode, My Store, Shared App, and App Statistics (which is highlighted with a red box). The main content area shows 'App Counts' (17), 'Total Installed' (233), and 'Active App Counts' (4). Below this, there is a 'Downloads' section with a chart showing 1 download over 90 days, and an 'App Activity' section showing 20 active users. On the right, there is an 'Active List' section with a table showing one active app entry. A note at the top of the page says: 'This feature requires at least XTMS client version 5.1.6 and App Store client version 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.



The screenshot shows the 'App Statistics' section of the NEXGO Cloud interface. It displays key metrics: App Counts (24), Total Installed (262), and Active App Counts (3). A red arrow points to a 'Success' notification in the top right corner, which states: 'terminal_application_statistics_table.xlsx has downloaded, please click to get it... Refer to the details'. Below these metrics are time-based filters: My Focus(5), Time Statistics, 7 Days, 30 Days, 60 Days, and 90 Days. Buttons for 'App Management' and 'Export' are also present.

Downloads

A bar chart titled 'Downloads' comparing AppStore (blue bar) and Pushing (red bar) categories. The Y-axis ranges from 0 to 1. The Pushing bar reaches approximately 0.85, while the AppStore bar reaches 0.15. A legend at the bottom identifies the colors: blue for AppStore and red for Pushing.

App Activity

The 'App Activity' section shows a summary: 'Active List' (No active apps) and a small icon of a box with a checkmark.

Download Center

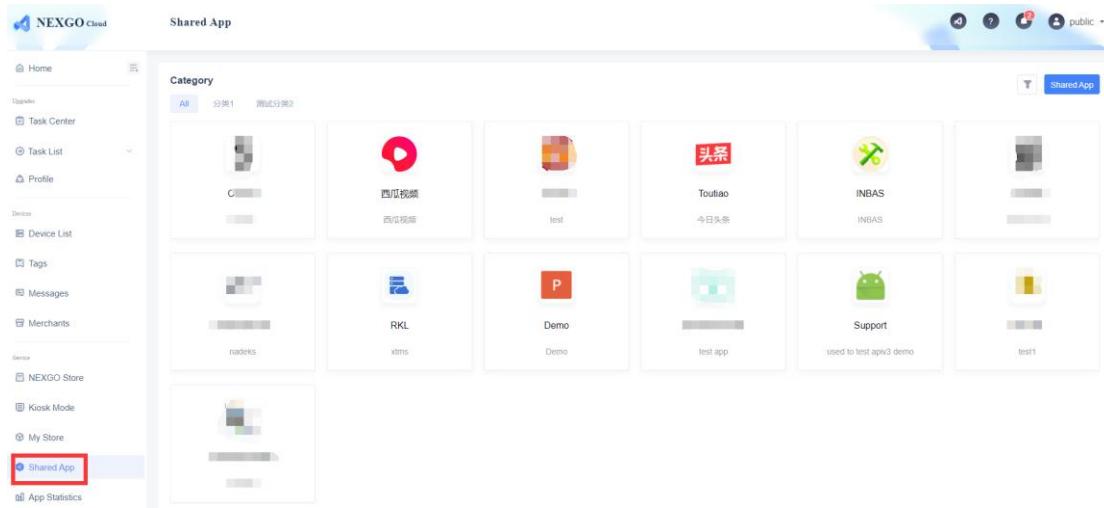
This section shows a table of exported files:

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

A red arrow points to the 'Download' link for the first file in the list.

Shared App

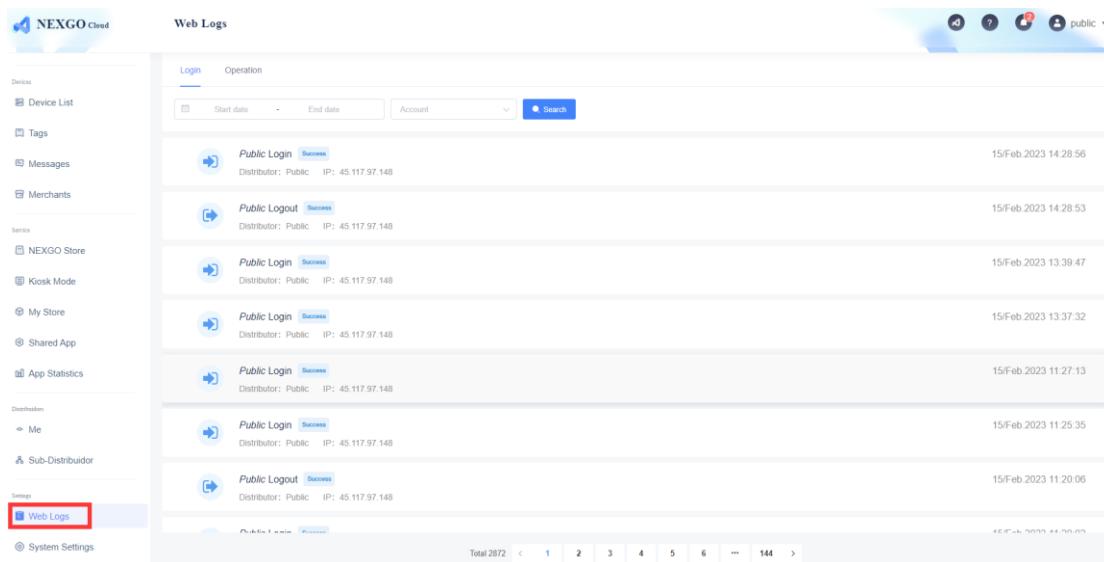
User can manage the shared Apps in [Shared App].



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.



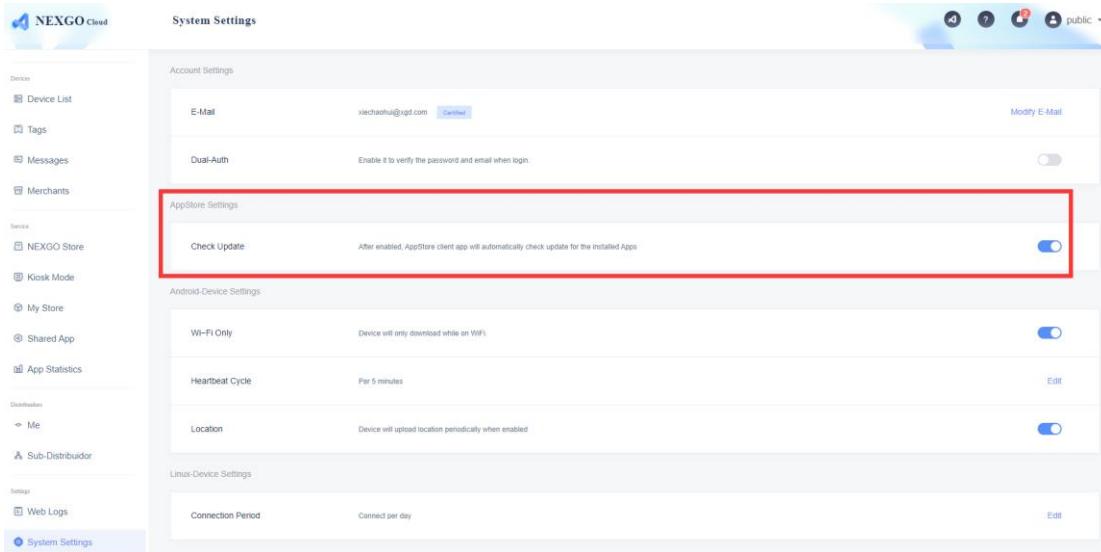
The screenshot shows the 'Web Logs' section of the NEXGO Cloud interface. On the left, there's a sidebar with various settings like Device List, Tags, Messages, etc. The main area is titled 'Web Logs' and has tabs for 'Operation' (which is selected) and 'Logs'. There are search filters for 'Start date', 'End date', and 'Account', with a 'Search' button. Below the filters is a table of log entries. Each entry includes a small icon, the operation name, a status (e.g., Success), distributor information (IP: 45.117.97.148), URL, and timestamp (e.g., 15/Feb/2023 16:00:49). At the bottom of the table, it says 'Total 2961' and has a page navigation with numbers 1 through 149.

System Settings

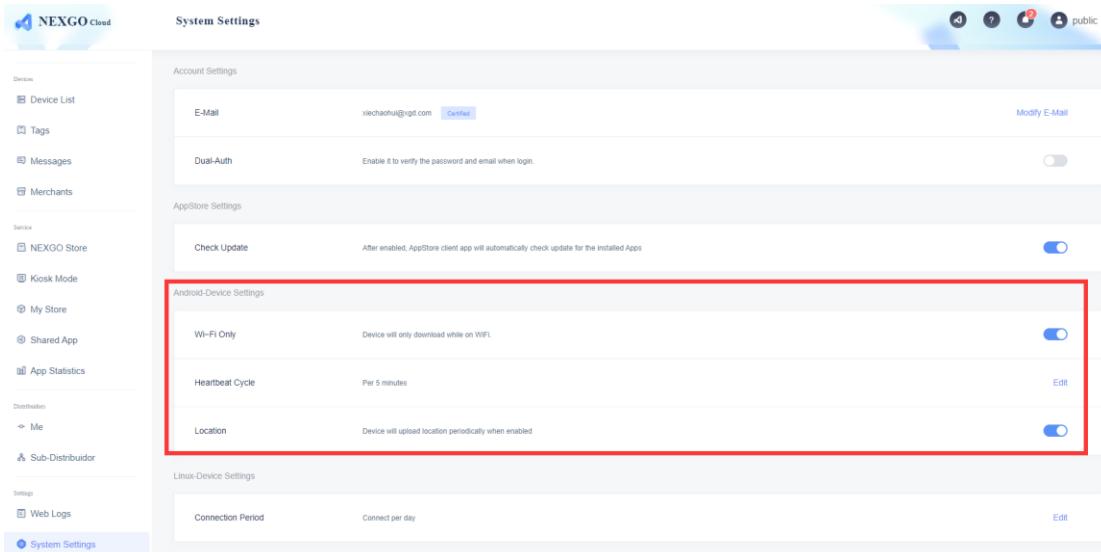
User can set [Heartbeat Cycle], enable [Location] and can set [Connection Period].

The screenshot shows the 'System Settings' page. The sidebar includes sections like Upgrades, Task Center, Task List, Profile, Devices, Service, and Settings. Under 'Settings', 'System Settings' is selected. The main content area is divided into three sections: 'AppStore Settings' (with 'Check Update' enabled), 'Android-Device Settings' (with 'Heartbeat Cycle' set to 'Per 30 minutes' and 'Location' enabled), and 'Linux-Device Settings' (with 'Connection Period' set to 'Connect per day'). Each setting has an 'Edit' button to its right.

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.



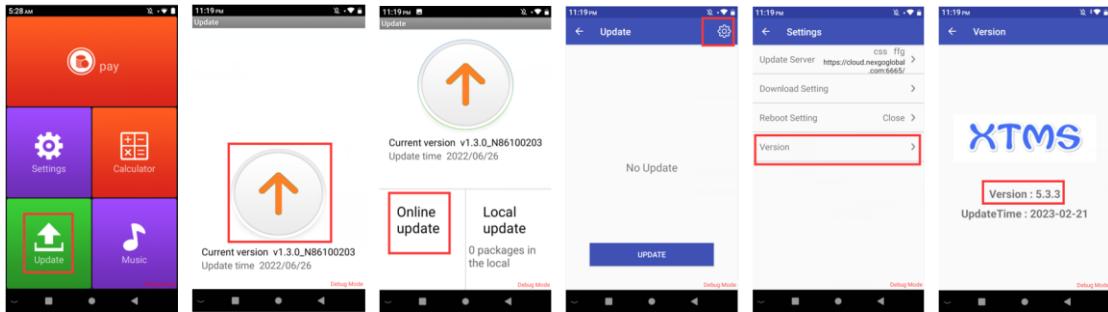
[Wi-Fi Only]: If user enabled this, devices will get updates only connected to Wi-Fi, otherwise devices will get updates no matter SIM card or Wi-Fi module.

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

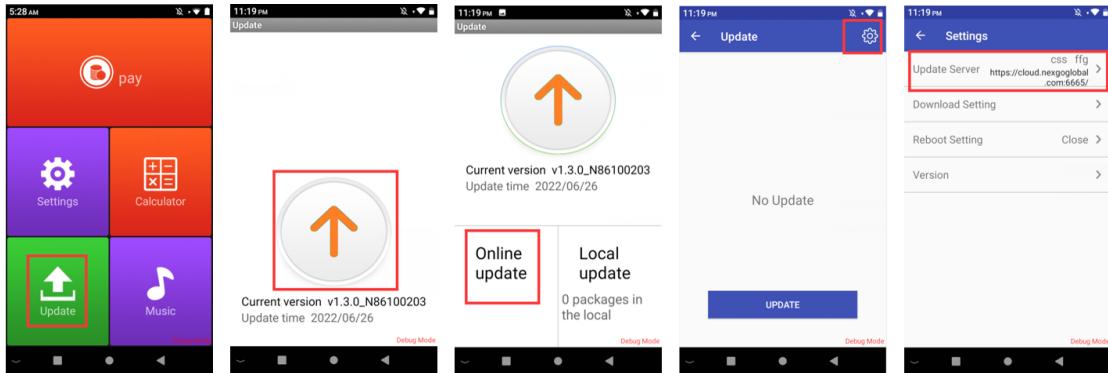
[Location]: Default value is [Disabled], please enable it manually when user wants to use it. If user disabled this option, the device will not upload the location information to Cloud system, and in the device details page, system will not display location and Geo-Fence module, the [Device Map] menu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

FAQ

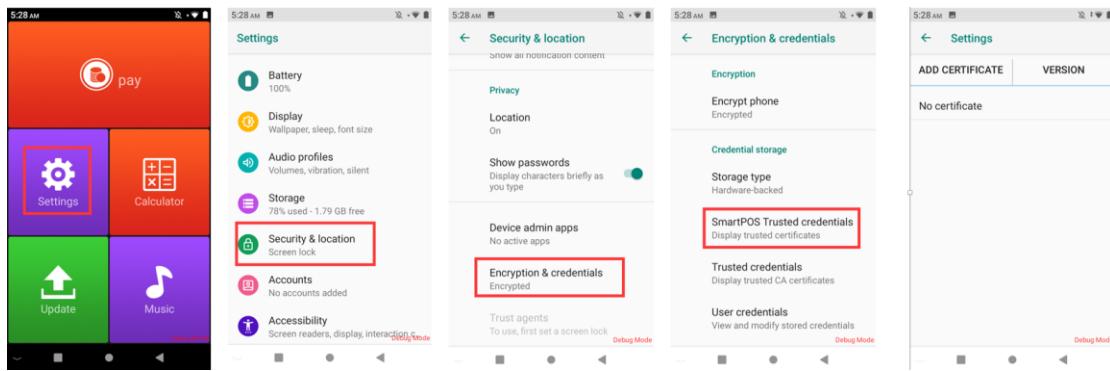
1. How to check the XTMS client version?



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.

The image consists of two screenshots of the Nexgo Cloud interface:

- Screenshot 1:** Shows the "Android signature" section of the "Signature management" module. It lists several entries with columns for Customer name and Title. A red arrow points to the "Interface permissions" button at the top right of the list view.
- Screenshot 2:** Shows the "Signature information" dialog for an application. It has a "Signed Automatically" toggle switch, fields for "App ID" (00269) and "Secret Key" (19b17566e6...edc17e51d7), and a note about enabling "Interface Permissions". A red arrow points to the "Save" button at the bottom right of the dialog.

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.