



PAXSTORE North American Group
PAXSTORE RELEASE NOTES 9.8
V1.0 09/04/2025

PREFACE

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[Monday-Friday 9:00 AM to 6:00 PM EDT](#)
[Saturday/Sunday Closed Hours Subject to Change](#)

Revision History

Date Version Description

08/03/2025 v1.0 • Initial Release

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1. New Features

1.1. Push Task Approval

- Provided a new feature "Push Task Approval" for the group push task. After the function is enabled, all group push tasks in this marketplace will require approval before activation, it can minimize errors/risks, ensure compliant & effective push tasks.

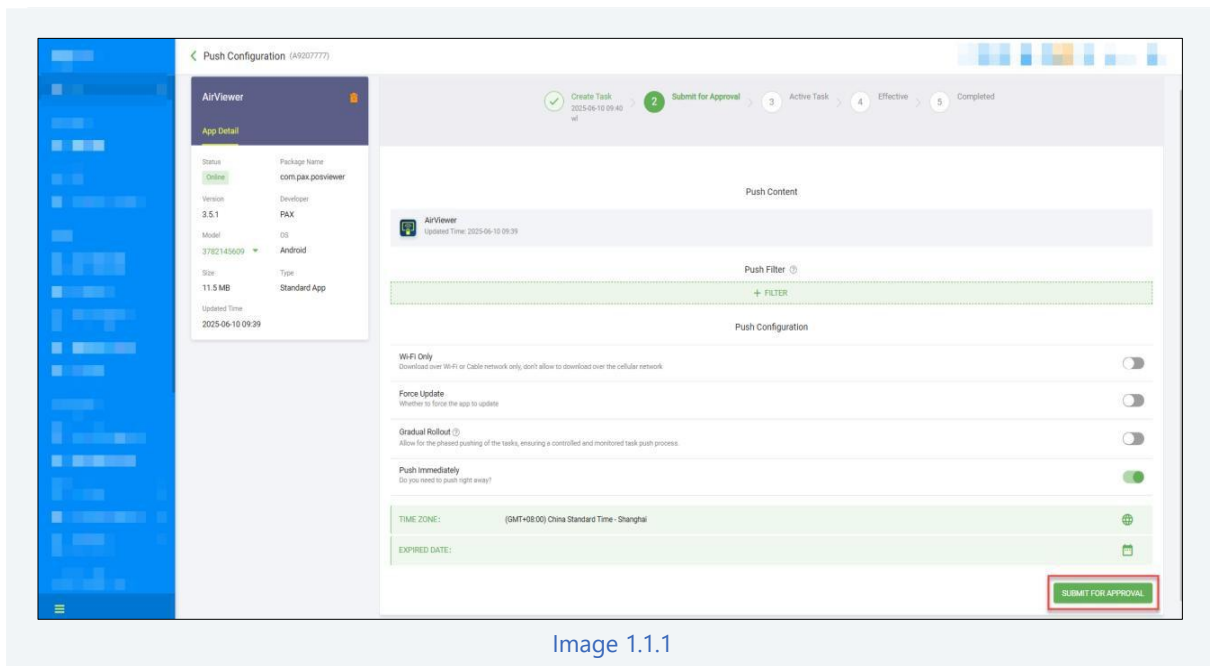


Image 1.1.1

- This feature is disabled by default. If needed, users can contact the support team to enable it.

Note: Push Task Approval applies exclusively to group-based push tasks, not to individual device task pushes.

Details are as follows:

Part 1: Submit for approval.

The group task push process has been modified. After the push configuration is completed, users cannot activate it directly, they can only click the "SUBMIT FOR APPROVAL" button to wait for the approval. (Image1.1.1-1.1.2).

At the same time, after the task is submitted for approval, the system will send an email and a notification to the approvers.

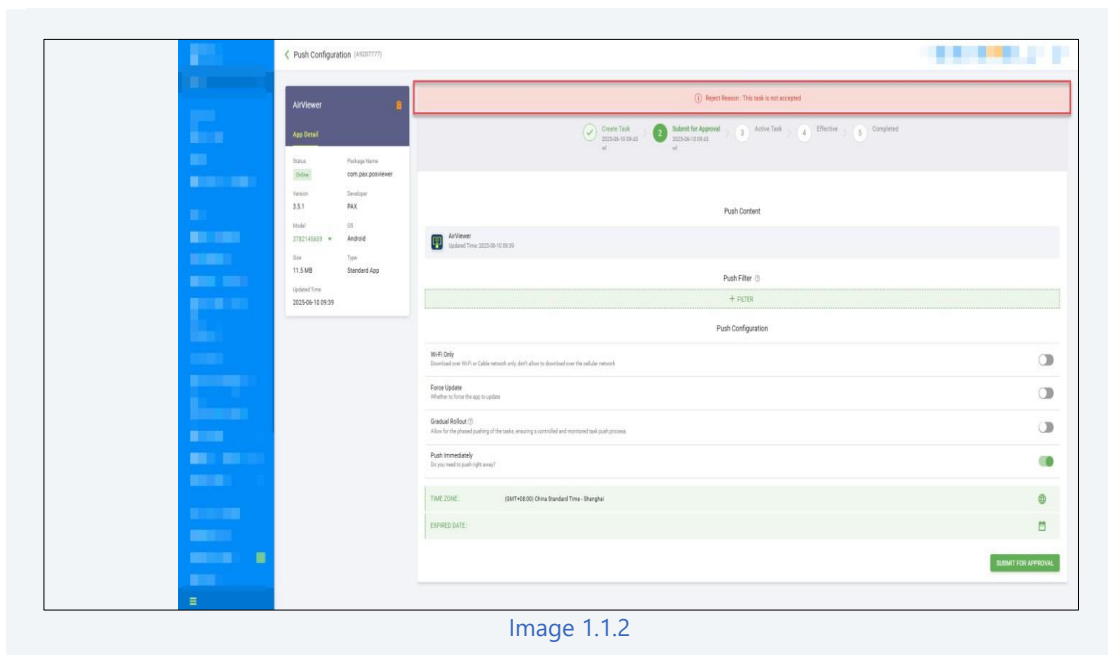


Image 1.1.2

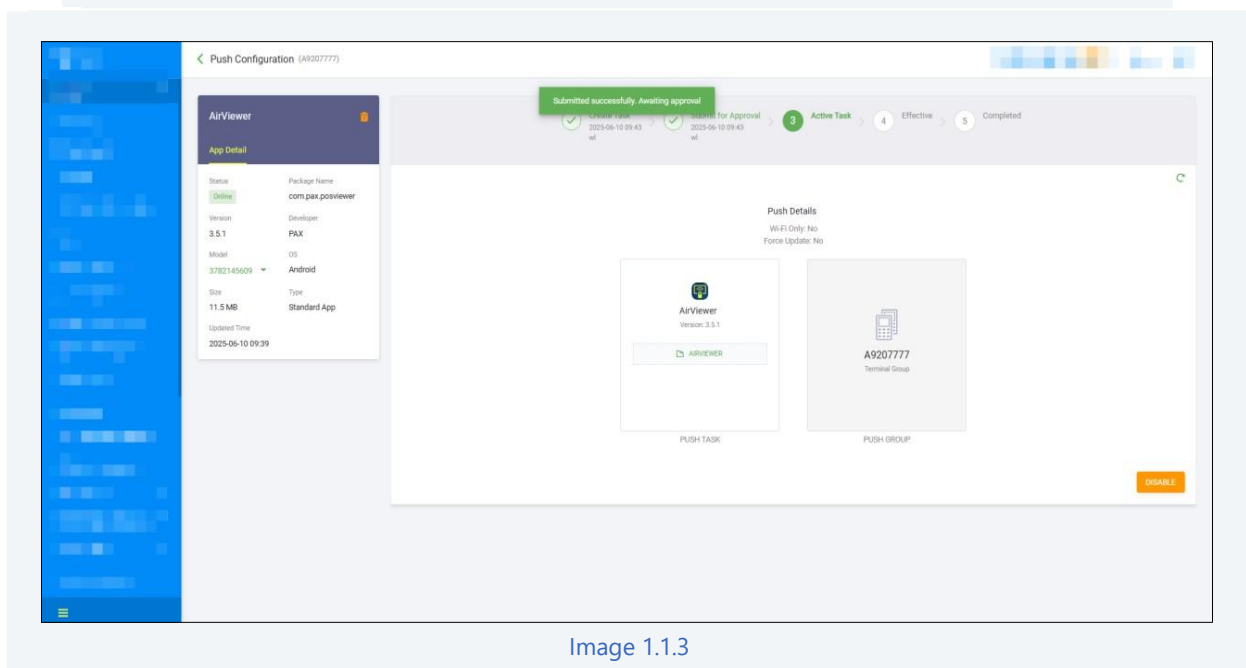


Image 1.1.3

If the task is rejected, it needs to be modified and resubmitted. (Image1.1.3).

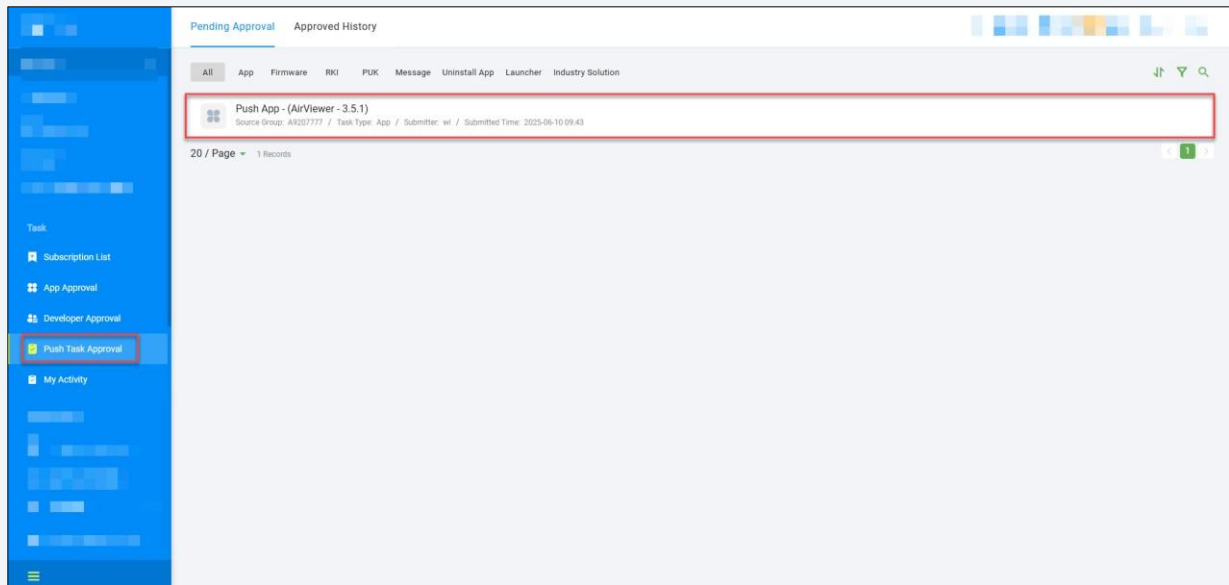


Image 1.1.4

Part 2: Push task approval

Added to a new menu "Push Task Approval" in the "Task" module, users who have "Push Task Approval" permissions can approve all the group push tasks waiting to be activated and view the approved history here. (Image1.1.4).

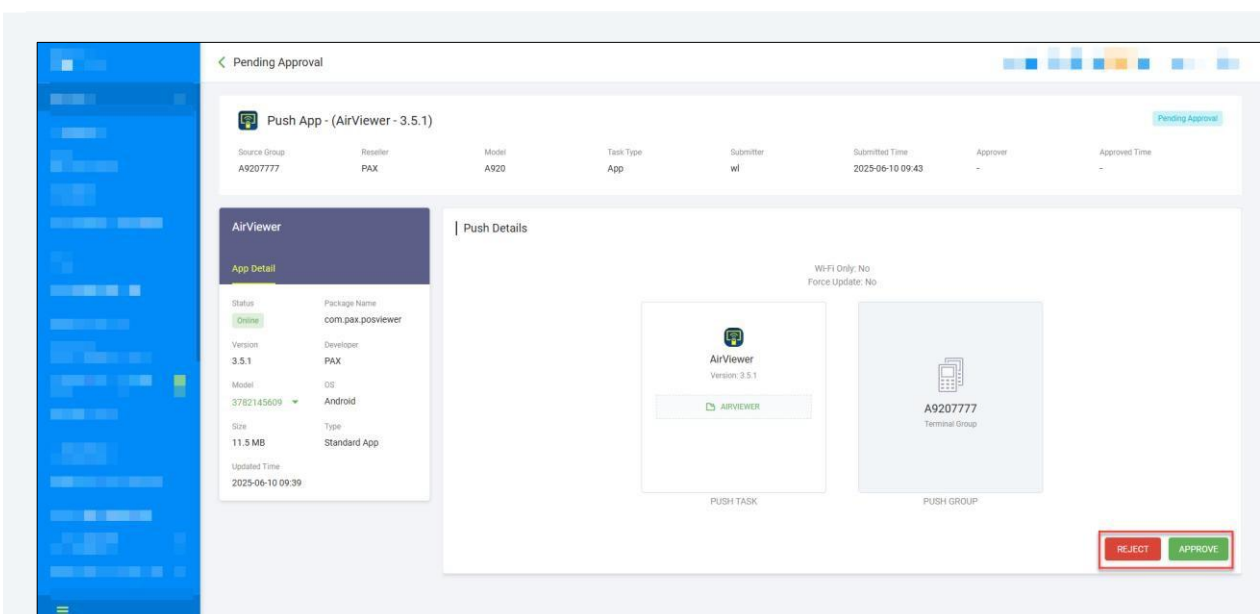


Image 1.1.5

- Administrators can click any pending approval task in "Pending Approval" tab to view the details. (Image 1.2.4 - 1.1.5).

- Users can click the "APPROVE" button to approve the task. Once approved, the task will be activated, and the system will send an email and a notification to the task submitter. (Image 1.1.6).

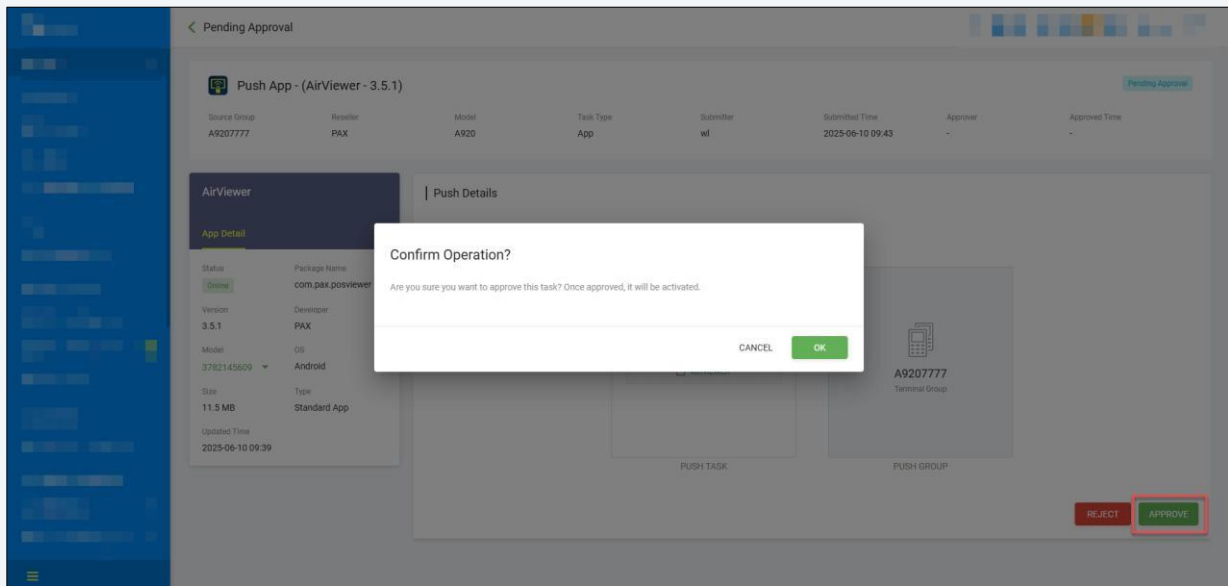


Image 1.1.6

- Users can also click the "REJECT" button to reject the task. When rejecting, they need to fill in the reason for the rejection. After a task is rejected, the system will send an email and a notification to the task submitter. (Image 1.1.7).

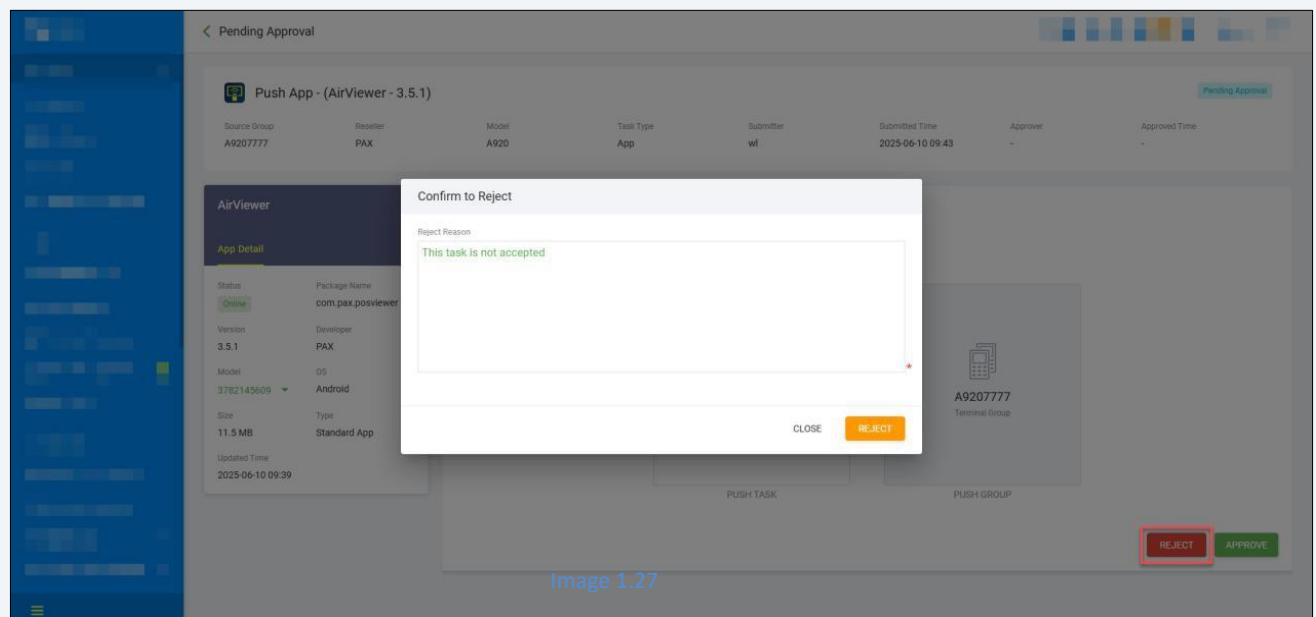


Image 1.27

Image 1.1.7

- After the task approval is completed, the administrator can view the approval records in "Approved History" tab. (Image1.1.8).

#	Task Name	Source Group	Task Type	Submitter	Submitted Time	Approver	Approved Time	Status
1	Push App - (AirViewer - 3.5.1)	A9207777	App	wf	2025-06-10 09:43	wf	2025-06-10 10:52	Rejected
2	Push RKI - (8000420200331222901006)	A50 group	RKI	ljmg@5	2025-06-09 16:28	ljmg@5	2025-06-09 16:28	Active
3	Push RKI - (8000420200331222901006)	A50 group	RKI	ljmg@5	2025-06-09 16:23	ljmg@5	2025-06-09 16:24	Active
4	Push RKI - (US_AES256_10152021)	A930-	RKI	ssy11	2025-06-07 16:20	ssy11	2025-06-07 16:20	Active
5	Push RKI - (US_AES256_10152021)	A930-	RKI	ssy11	2025-06-07 16:17	ssy11	2025-06-07 16:17	Active
6	Push RKI - (US_AES256_10152021)	A930-	RKI	ssy11	2025-06-07 16:14	ssy11	2025-06-07 16:15	Active

20 / Page 5 Records

Image 1.1.8

Part 3: Audit Log

- Added a new audit log type "Push Task Approval" to record the administrator's approval and rejection. (Image1.1.9).

Year	Month	Day	Time	Operation	User Name	IP	Resource
2025	05	10	13:42	Approve Push Task Approval	wf	172.18.31.160	/ Resource Uri: v1/admin/approval/approve
2025	05	10	13:42	Approve Push Task Approval	wf	172.18.31.160	/ Resource Uri: v1/admin/approval/approve
2025	05	10	13:42	Reject Push Task Approval	wf	172.18.31.160	/ Resource Uri: v1/admin/approval/reject
2025	05	10	13:42	Approve Push Task Approval	ljmg@5	172.18.31.111	/ Resource Uri: v1/admin/approval/approve
2025	05	10	13:42	Approve Push Task Approval	ljmg@5	172.18.31.111	/ Resource Uri: v1/admin/approval/approve
2025	05	10	13:42	Approve Push Task Approval	ljmg@5	172.18.31.111	/ Resource Uri: v1/admin/approval/approve
2025	05	10	13:42	Approve Push Task Approval	ssy11	192.168.201.9	/ Resource Uri: v1/admin/approval/approve
2025	05	10	13:42	Approve Push Task Approval	ssy11	192.168.201.9	/ Resource Uri: v1/admin/approval/approve
2025	05	10	13:42	Approve Push Task Approval	ssy11	192.168.201.9	/ Resource Uri: v1/admin/approval/approve

20 / Page 5 Records

Image 1.1.9

- Added a new action "Submit for Approval" for the audit log types "Group Push App/Firmware/RKI/PUK/Message/Uninstall App/Launcher/Industry Solution" to record operator's group push task submission records. (Image 1.1.10)

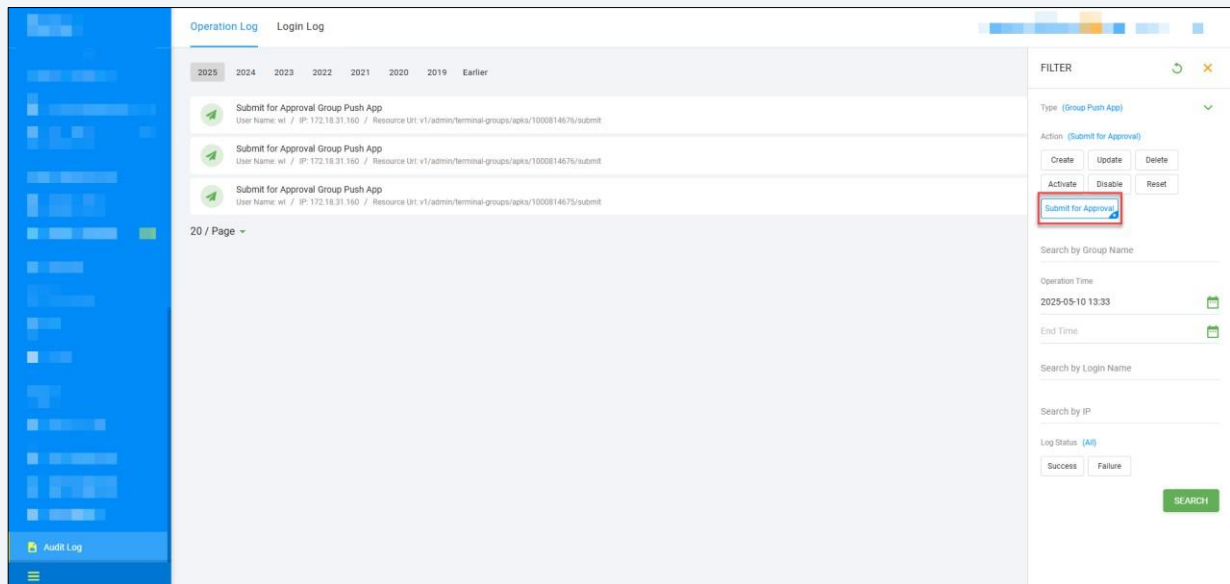


Image 1.1.10

1.2. Battery Management

Supported the management of Lithium-ion battery and RTC battery. Provided basic information display of terminal batteries and added alerts for poor battery health status. This feature enhances the management of terminal battery and reduces unexpected shutdowns and maintenance costs while optimizing terminal lifespan and operational efficiency.

The differences between the two batteries are as follows:

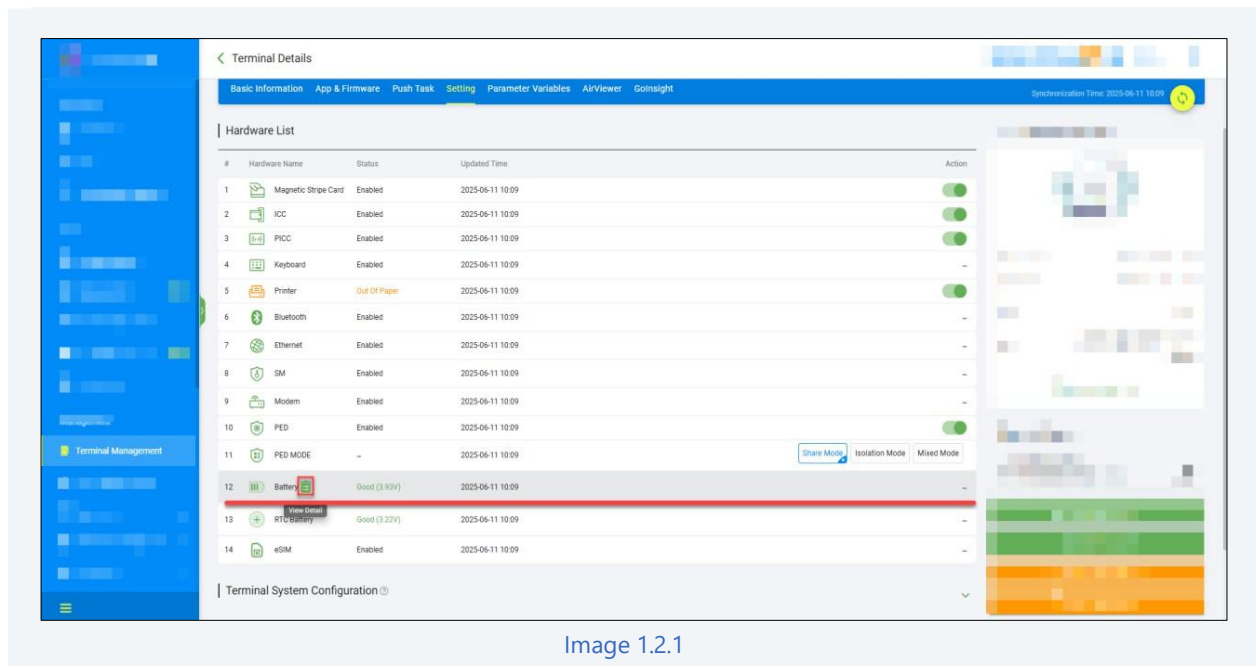


Image 1.2.1

Lithium-ion Battery: Acts as the main power source for core functions (screen, processing, connectivity), enabling portable operation or acting as a backup during power outages.

RTC Battery: Provides backup power to the terminal's security module, ensuring it maintains tamper detection and data protection functions even when powered off.

The specific changes involved are as follows:

1.2.1. Lithium-ion Battery

- Added a new item "Battery" to the "Hardware List" in "Terminal Details" -> "Setting", users can directly view the health status of the battery and its voltage. (Image 1.2.1.1).
 - If users need to view the battery details, they can click the "View Detail" button. The detailed information will be displayed in the pop-up box, such as "Battery Level", "Battery Status", "Battery SN", etc. (Image 1.2.1.2).

Battery Detail	
Batter Level	82%
Rated Capacity	-
Battery Status	Good
Battery SN	B0902-202448
Charging Status	Discharging
Charging Mode	-
Voltage	3.93V
Current	-200mA
Temperature	27°C
CLOSE	

Image 1.2.1.2

- Added to the new alert type "Battery Unhealthy", it will trigger an alert when the battery health status is poor, and at the same time, an alarm email will be sent to the user. (Image1.2.1.3 - 1.2.1.4).

Alert

Goinsight

Alert Card

App Signature Failed

3

Out of Geo-Fence

420

Printer Out of Paper

136

Terminal Tampering

120

Inspection Failed

0

Low Battery (RTC Battery)

211

Battery Unhealthy

4

Alert List

App Signature Failed

Out of Geo-Fence

Printer Out of Paper

Terminal Tampering

Inspection Failed

Low Battery (RTC Battery)

Battery Unhealthy

Battery Unhealthy

Alert List

#	Terminal Name	SN	TID	Battery Status	Alert Time	Action
1				Poor	2025-06-09 13:35:14	
2				Poor	2025-06-03 13:58:49	
3				Poor	2025-05-29 17:42:33	
4				Poor	2025-05-29 17:10:46	

10 / Page 4 Records

Image 1.2.1.3

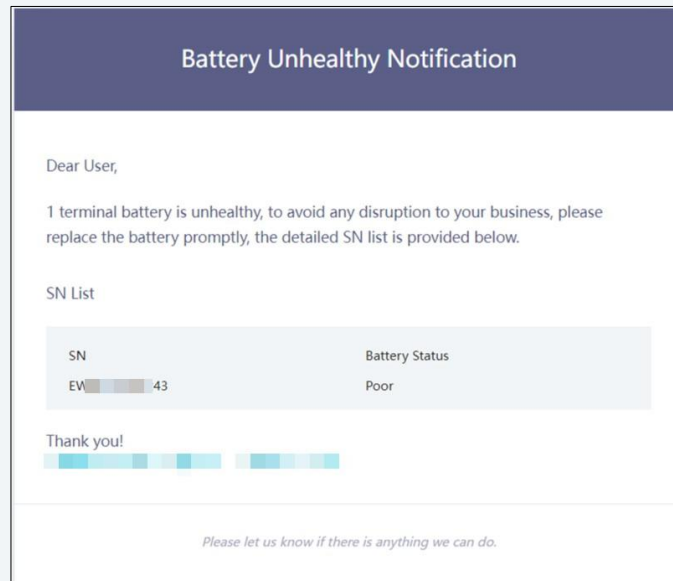


Image 1.2.1.4

- Added a new alert card "Battery Unhealthy", users can download the battery unhealthy terminals list. (Image 1.2.1.3 and 1.2.1.5).

	A	B	C	D	E	F	G	H	I	J	K	L
1	Battery Unhealthy Terminals											
2	Terminal Name	TID	Serial No	Manufacturer	Model	Reseller	Merchant	Location	Remark	Status	Battery Status	Alert Time
3				PAX	A930	edith08	FaJin			Active	Poor	2025-06-09 13:35:14
4				PAX	A930	edith08 // ed08_R2 Terminal2k	ed08_R2_M01			Active	Poor	2025-06-03 13:56:49
5				PAX	A930	edith08 // ed08_R2 Terminal2k	ed08_R2_M01			Active	Poor	2025-05-29 17:42:33
6				PAX	A930	edith08	mmerchant1			Active	Poor	2025-05-29 17:10:46
7												
8												
9												
10												

Image 1.2.1.5

- Added a new trigger "Battery Unhealthy" in "General Setting" -> "External System Integration" -> "Webhook". (Image 1.2.1.6 - 1.2.1.7).

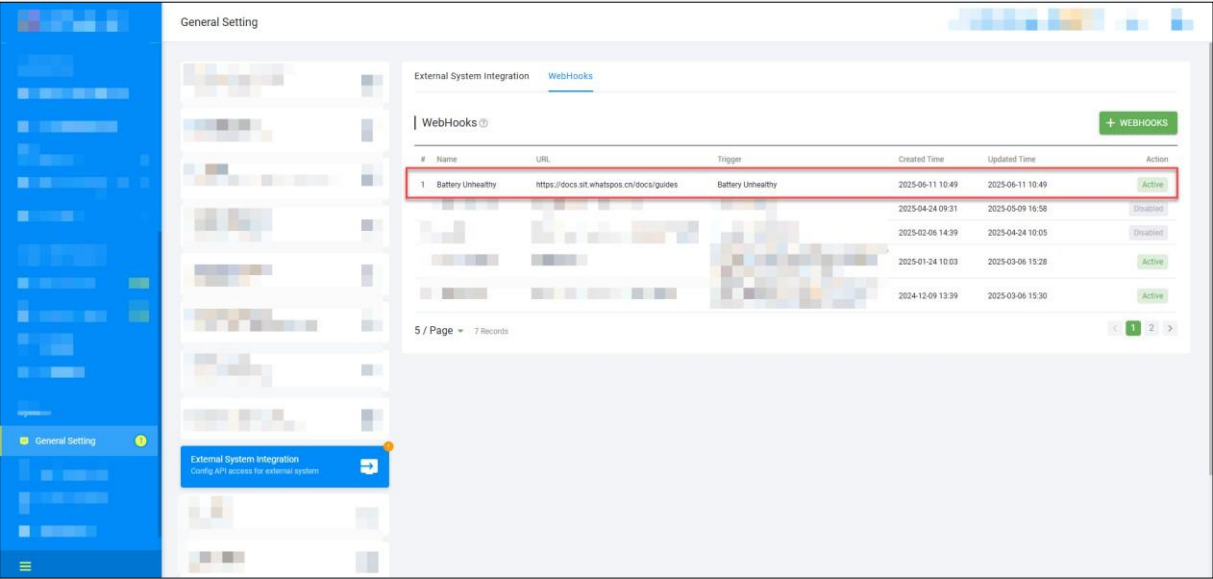


Image 1.2.1.7

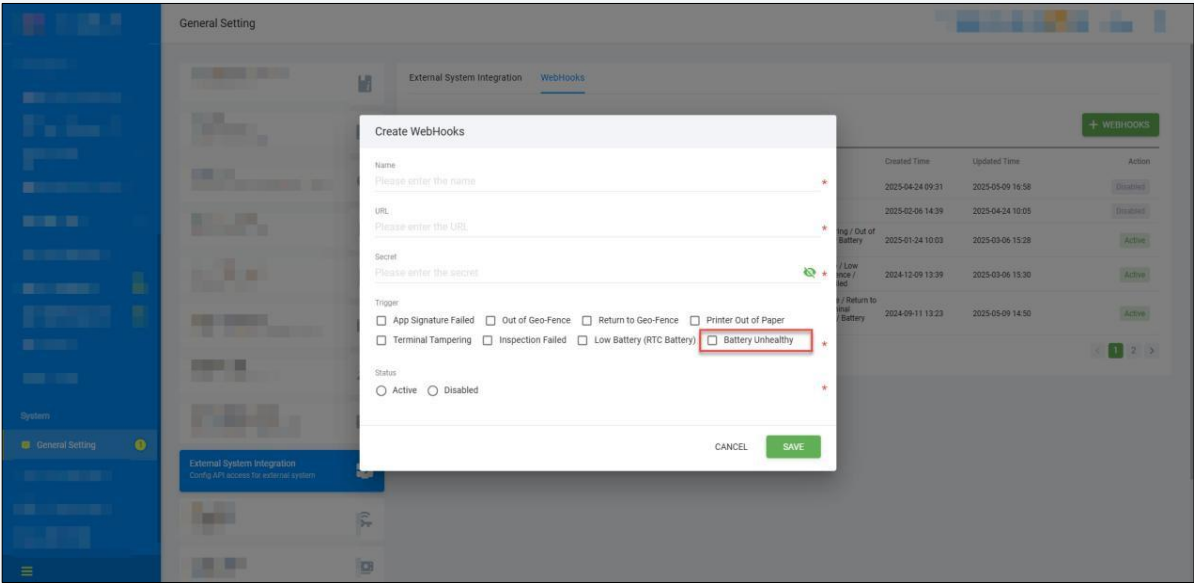


Image 1.2.1.6

1.2.2. RTC Battery

In the previous version, the platform already supported the management of RTC battery. This time, some optimizations have also been made (Image 1.2.2.1):

- To make the naming more standardized, the original "Coin Battery" was changed to "RTC Battery".
- The "Coin Battery Power Level" column in the alert list was removed, and the "RTC Battery Status" and "RTC Battery Voltage" columns were newly added. This modification is also applied to the exported list of alarm terminals and alarm notification emails.
- The alert logic has been optimized. It will trigger an alert when the RTC battery status is poor.

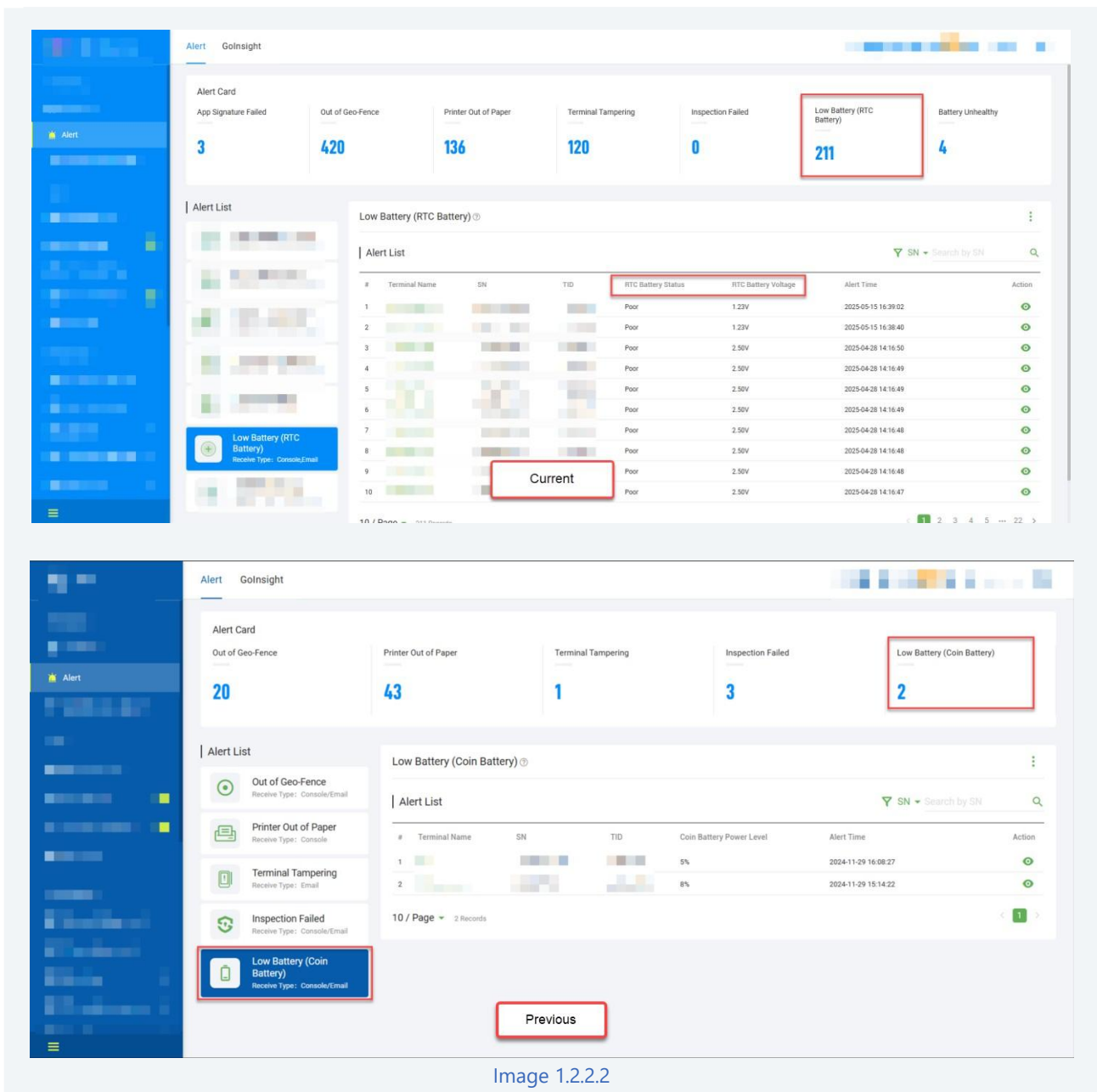


Image 1.2.2.2

1.3. Support PAX PCI 7.0 Device

PCI PTS POI v7.0 security requirements: Payment applications installed on PCI 7.0 terminals must be signed with a 4096-bit key. To support the management of PAX PCI 7.0 devices, the platform has integrated into the PAXRhino signature service and has also made adjustments to the signature configuration module.

1.3.1. Changes to the Platform

To support PAX PCI7.0 devices, the platform has also made relevant changes. **Note: These changes will only take effect when PCI 7.0 is enabled for the marketplace.wq**

After PCI7.0 is enabled for the marketplace:

Part I: Signature Configuration :

- Added two tabs "RSA 2048" and "RSA 4096" for different signature types based on signature key length in "Signature" module of "General Setting" - "PUK & Signature". (Image 1.4.2.1)
 - RSA 2048: The original signature type which uses 2048-bit signature key.
 - RSA 4096: New signature type which use 4096-bit signature key. This signature type only supports the manufacturers which use PAX signature mechanism.

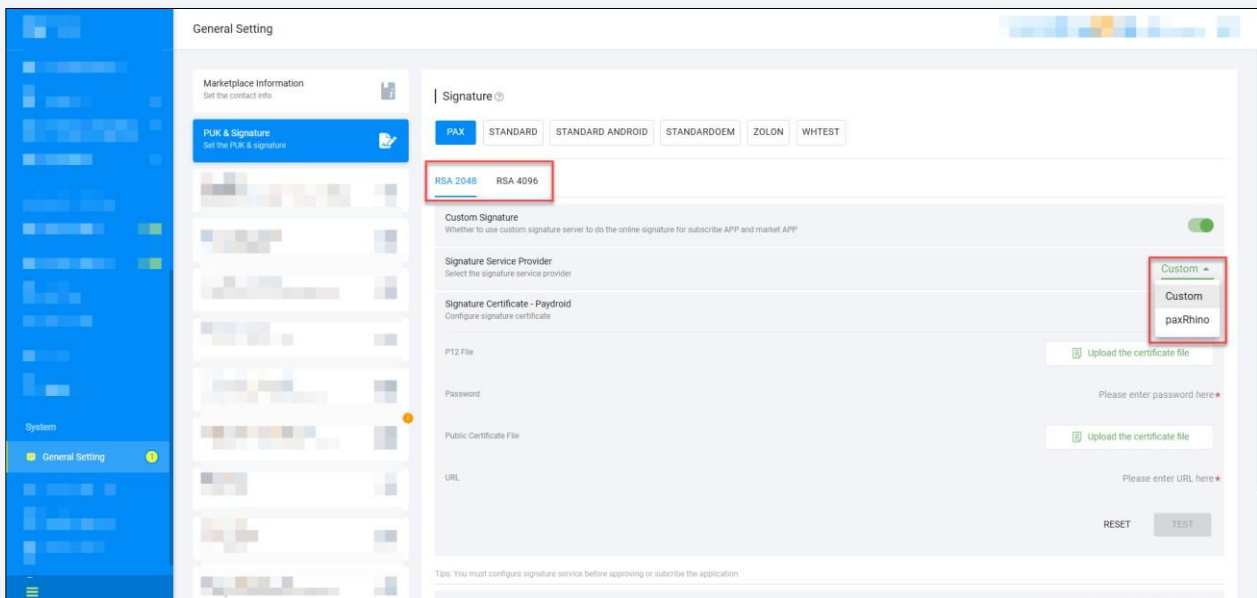
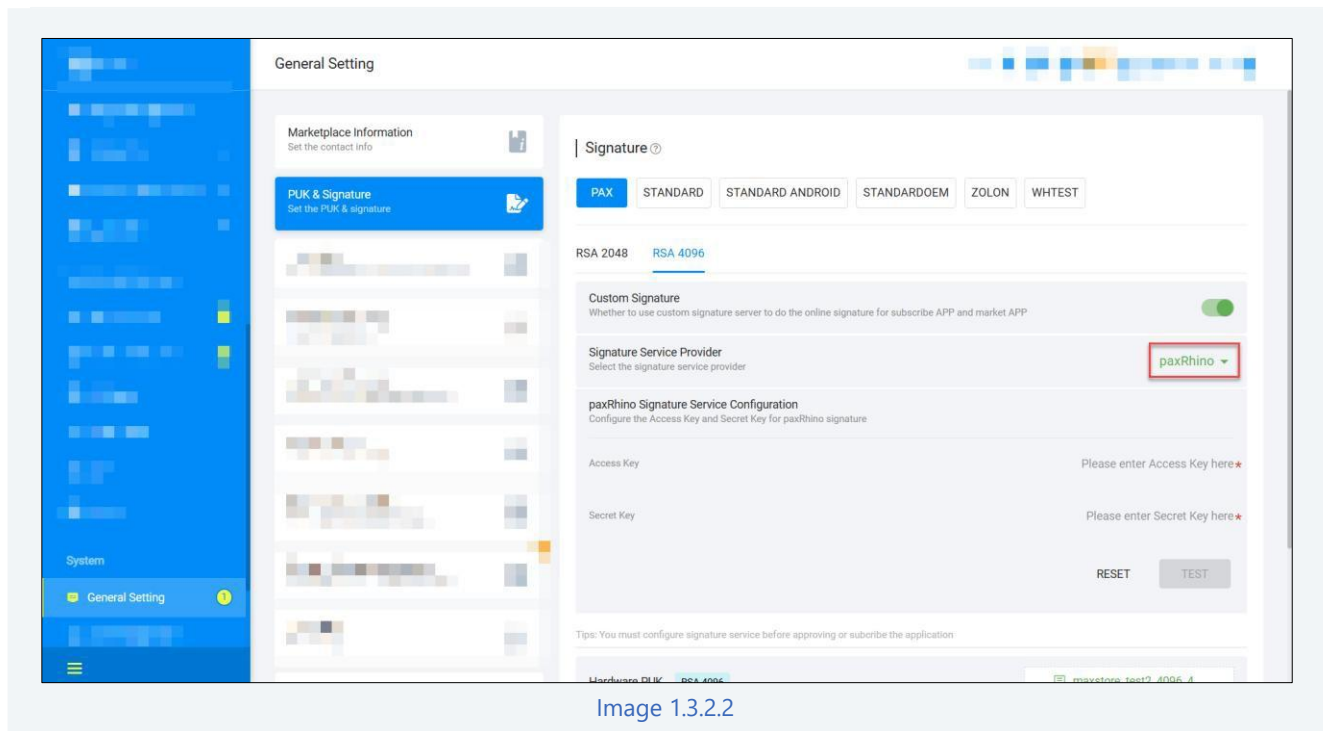


Image 1.3.2.1

- Users can configure different signature services according to their specific requirements.
 - For devices \leq PCI 6.0: Configure the signature service with a key length of 2048 bits in "RSA 2048" tab, including either the original custom signature service or the PAXRhino signature service. (Image 1.4.2.1).
 - For devices \geq PCI 7.0: Configure the PAXRhino signature service in "RSA 4096" tab, only this signature service can support signing the apps with a key length of 4096-bits. (Image 1.3.2.2).



Note: When the RSA 4096 signature type is enabled in the marketplace, the configuration of the RSA 4096 signature server needs to be completed, otherwise the administrators will not be able to create new app push tasks.

Part II: Signature Result:

- Added a new column "Signature Type" in "App Detail" -> "Signature Result", after the application approval, two signature result records will be generated based on the signature type. (Image1.4.2.3).

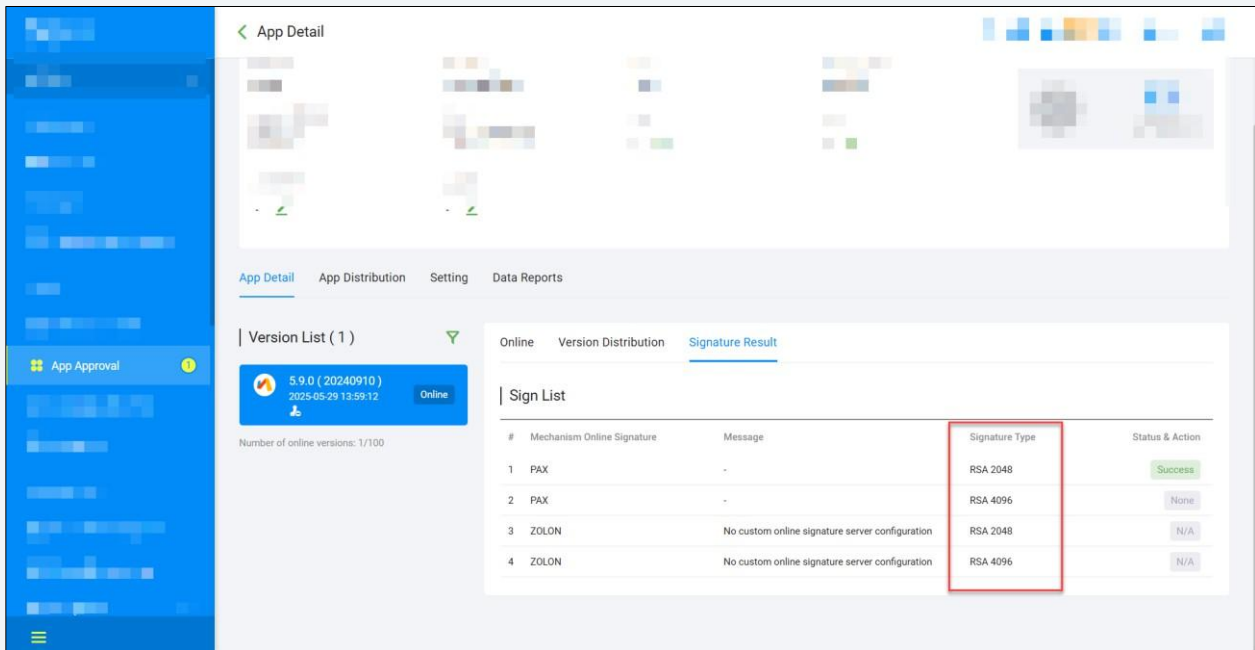


Image 1.3.2.3

Part III: App Signature Failed Alert:

- Added a new column "Signature Type" in "Alert" -> "App Signature Failed" -> "Alert List" to show the signature type when signature failed. (Image1.3.2.4).

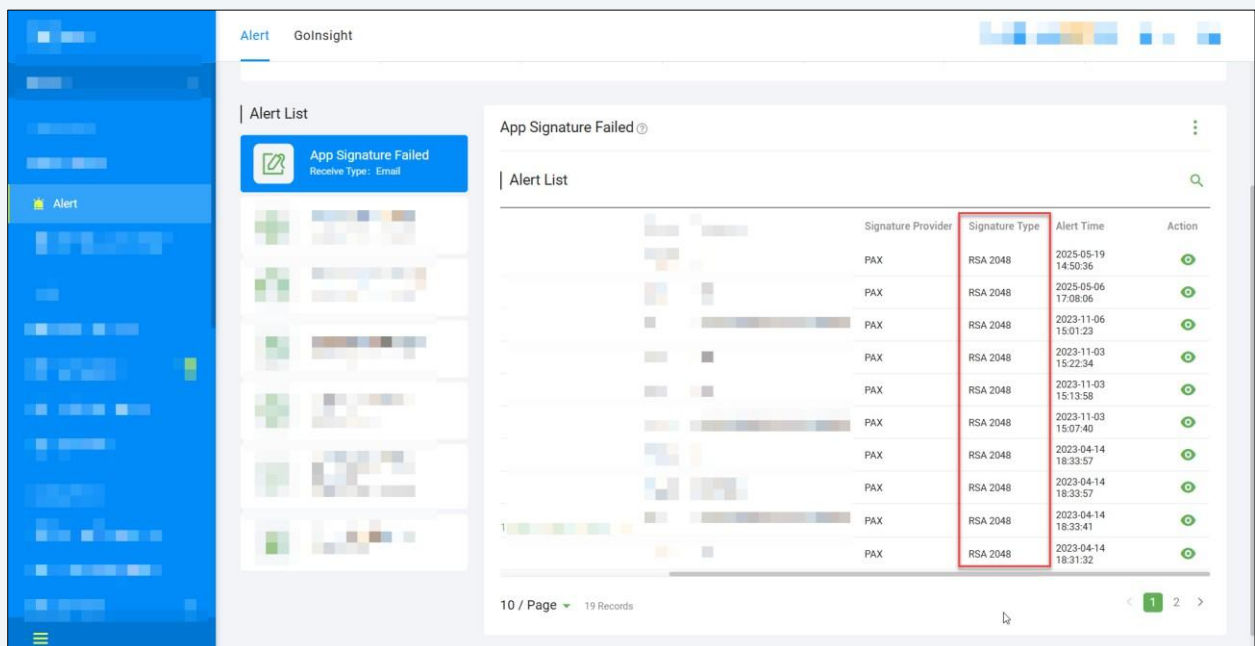


Image 1.4.2.4

1.4. Support Android APP V3 Signature

- Supported for Android Application V3 signature. The core objective of upgrading from Android Signature Scheme v2 to v3 is to leverage its Key Rotation capability, addressing the issue where users must uninstall and reinstall apps when signing certificates expire or are compromised.

Below is the upgrade process:

■ Step 1: Generate Key Rotation Lineage File

Create a trust chain file linking old and new keys. This establishes cryptographic proof that the new key is authorized to succeed the old key.

■ Step 2: Build Transitional APK

Produce a critical "bridge" APK with dual signatures (old + new keys). This version must be distributed to users - it enables future V3-signed updates without uninstallation. The transitional APK is mandatory for seamless key rotation. Skipping will block future updates.

■ Step 3: Sign Future Releases with New Key

After users install the transitional APK, all subsequent releases can switch exclusively to the new key: Devices that installed the transitional APK will recognize the new key via the established trust chain.

Note:

- V3 signature only supports Android 9 or later.
- APKs with only a V3 signature are not supported. If an APK contains a V3 signature, it must also include a V2 signature that will need to be uploaded.

1.4.1. Application Local Parameters Synchronization

Provided the function of synchronizing application local parameters, allowing users to view the latest parameter values of the application.

For parameter app: Whenever the parameter application modifies certain parameters locally, it needs to upload these changed parameters and the corresponding template name to the platform.

For PAXSTORE:

PAXSTORE collects parameter changed records from two distinct sources: one is the parameters pushed by the platform, and the other one is the changed parameters uploaded locally by terminal parameter application. Additionally, the platform also provided parameters comparison features to facilitate user review of differences between these records.

1.4.2. Upload Changed Parameters API

PAXSTORE provided an API for third-party applications to upload the locally changed parameters.

When a parameter application changes specific parameters locally, the changed parameters should be immediately uploaded to the platform through this API. When uploading, the name of the template where the changed parameters are located should be included for this process.

The parameters required for the interface are as follows:

- appVersion
- paramTemplateName
- paramChangeList(pid-value list)

1.4.3. Process the Uploaded Records

The application will only upload the changed parameters and the corresponding template name. The platform needs to process the changed parameters uploaded by the application and integrate them with the parameters in the same template, which was updated last time, making it convenient for users to know the changes of all parameters.

The specific logic is as follows:

When the application uploads the changed parameters, based on the uploaded template name, the platform will find the most recent updated template with the same name, and then replace the changed values and save them.

- If, in the most recent push or update record, there are multiple templates in addition to the template with the same name, separation is required, and only the parameters related to the template with the same name should be saved.
- If the template with the same name is not found, the platform will directly save the record of changed parameters.

1.4.4. Marketplace-Level Switch

Added a new marketplace-level switch “Local Parameter Upload,” the switch is off by default. (Image 1.4.4.1).

- When the switch is turned on, it allows the parameter applications in this marketplace to upload local changed parameters, and users in this marketplace can use related functions.
- When the switch is turned off, for this marketplace, no functions related to local parameter changes will be provided.

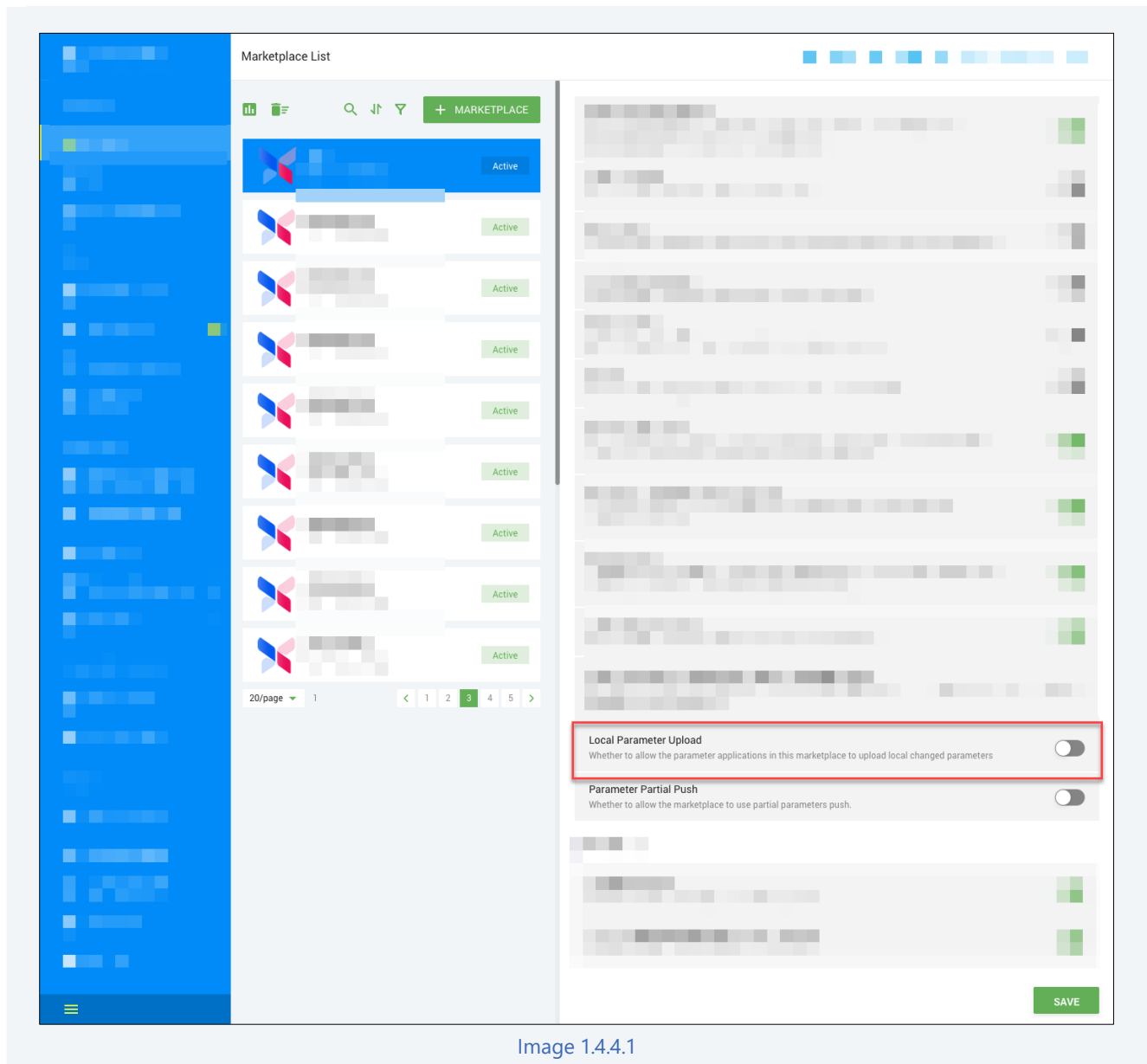


Image 1.4.4.1

The following designs are all considered to have enabled “Local Parameter Upload” in the marketplace.

1.4.5. Developer Edit App

In the editing parameter application detail page, added a new switch "Local Parameter Upload". (Image1.4.5.1).

- The switch is off by default: the parameter application will not upload the locally changed parameters to the platform, and the Admin Center will not provide relevant functions either.
- When the switch is turned on: the parameter application will upload the locally changed parameters to the platform, and the Admin Center will provide relevant functions.

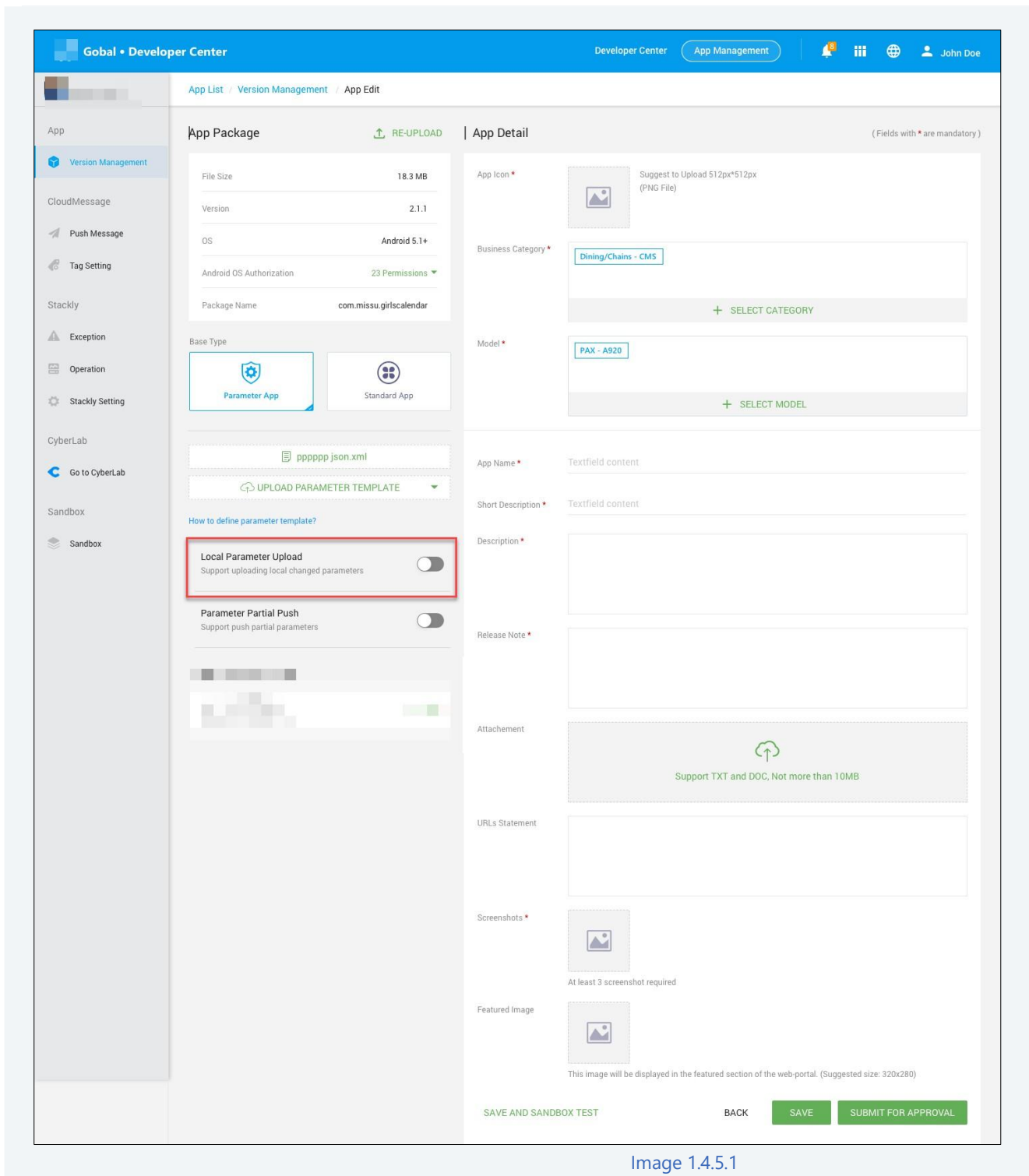


Image 1.4.5.1

1.4.6. App Parameters Changed History

When the parameter application supports uploading local changed parameters, there will be a new tab “App Parameter Change History” in “Terminal Details” -> “Push Task”, beside the “Operation History”, it will collect parameter changed records from two distinct sources: (Image1.4.6.1).

- **Local:** The locally changed parameters uploaded by parameter application from the terminal side.
- **Platform:** It records parameter templates pushed every time by the platform. And the platform merges all the parameters in the push templates into a single parameter list to display.

At the same time, users can select any two records to compare whether the parameter values are different.

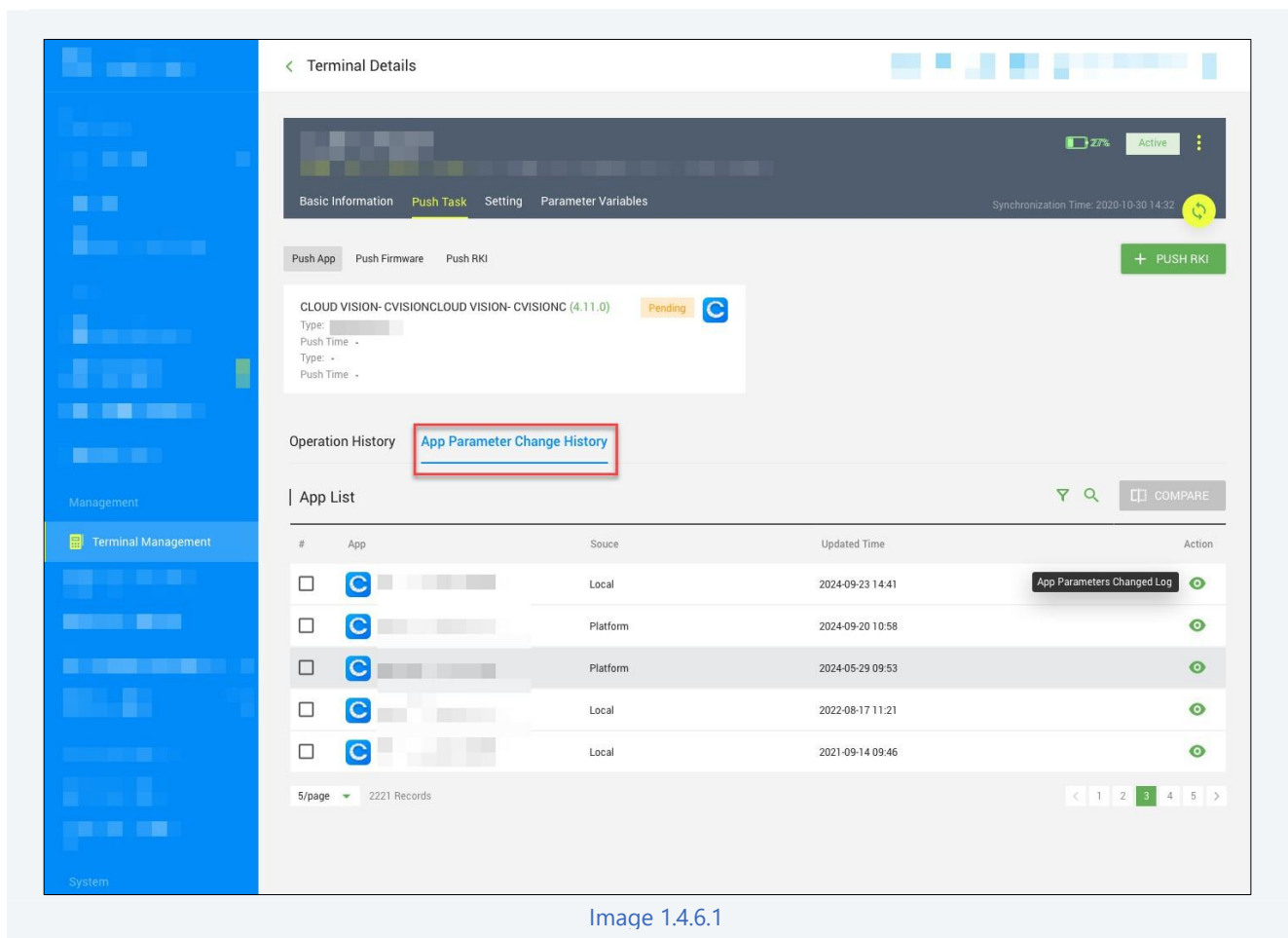


Image 1.4.6.1

Steps are as follows:

Step1: Users can view the changed parameters list by clicking the "View" button in "App Parameters Changed Log" for any record. (Image1.4.6.2 and 1.4.6.3).

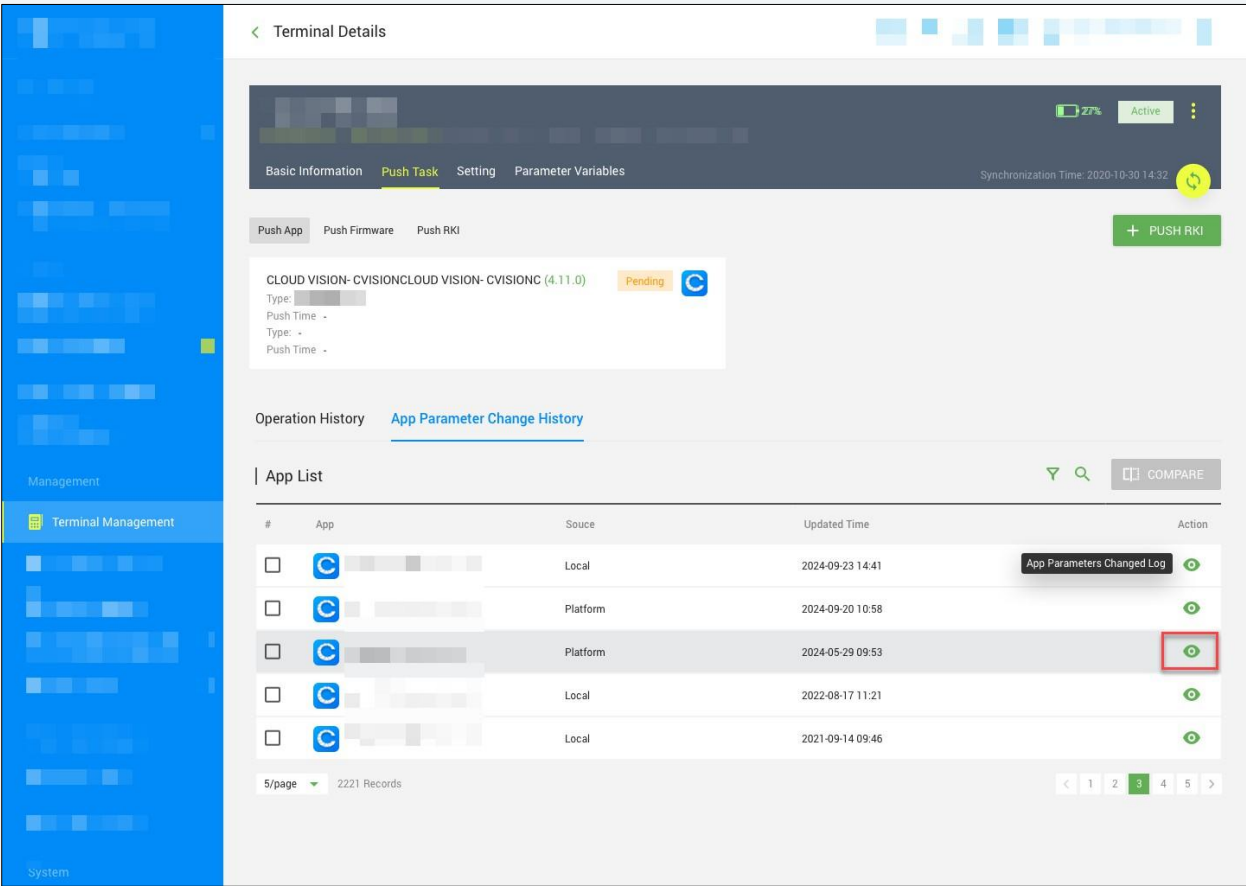


Image 1.4.6.2

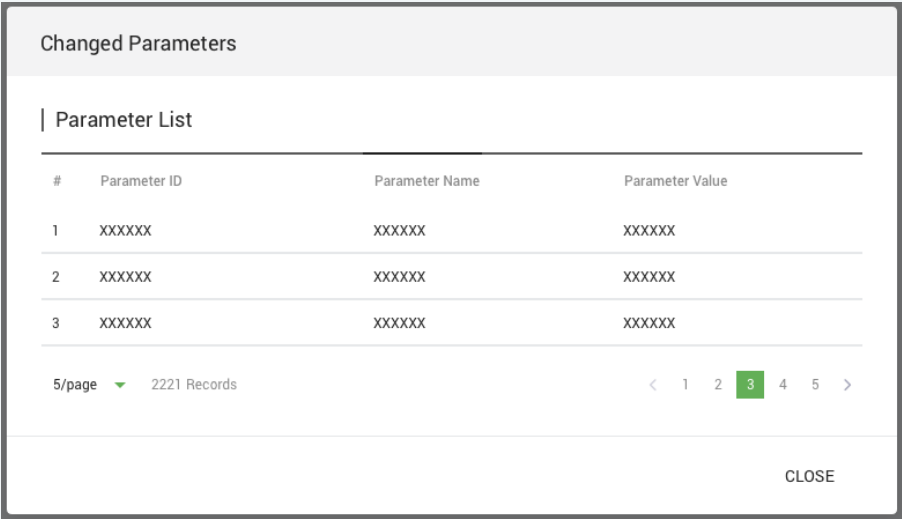
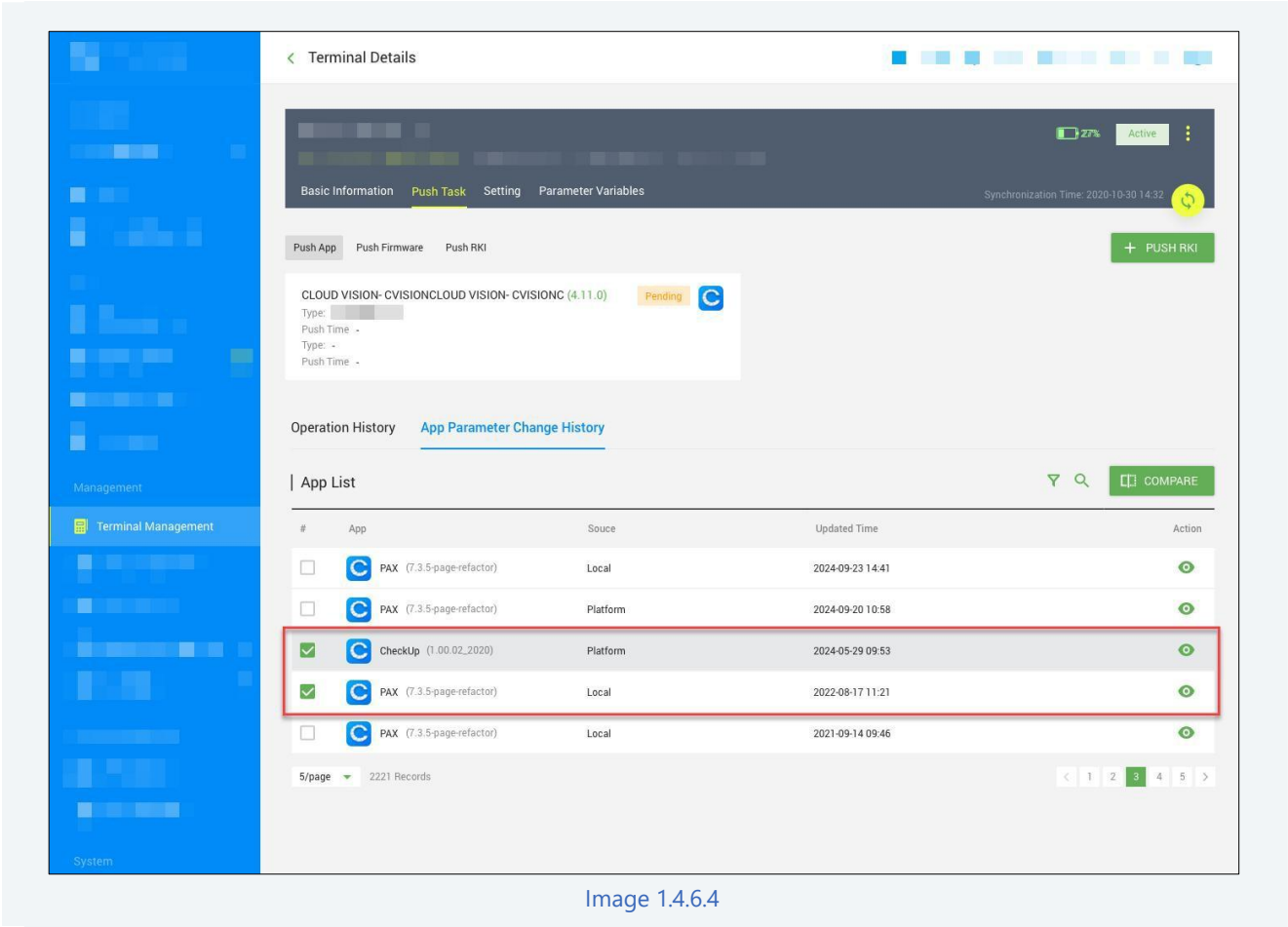


Image 1.4.6.3

Step 2: Users can select any parameters that need to be compared, click the "COMPARE" button in the upper right corner, and check the comparison results in the pop-up box "Comparison results", and the inconsistent values will be marked in red. (Image1.4.6.4 and 1.4.6.5).



Comparison Results

Item List

PAXSTORE SDK Demo V1.0.0

Source:Platform / Updated Time: 2024-09-20 10:58

PAXSTORE SDK Demo V1.0.0

Source:Local / Updated Time: 2022-08-17 11:21

Parameter ID	Parameter Name	Parameter Value	Parameter ID	Parameter Name	Parameter Value
a.b.c	Parameter01	Y	-	-	-
b.c.d	Parameter02	Y	-	-	-
c.d.e	Parameter03	Y	c.d.e	-	N
d.e.f	Parameter04	N	d.e.f	-	Y
e.f.g	Parameter05	N	e.f.g	-	Y

20/page

2221 Records

< 1 2 3 4 5 >

Tips: The comparison only shows the differs

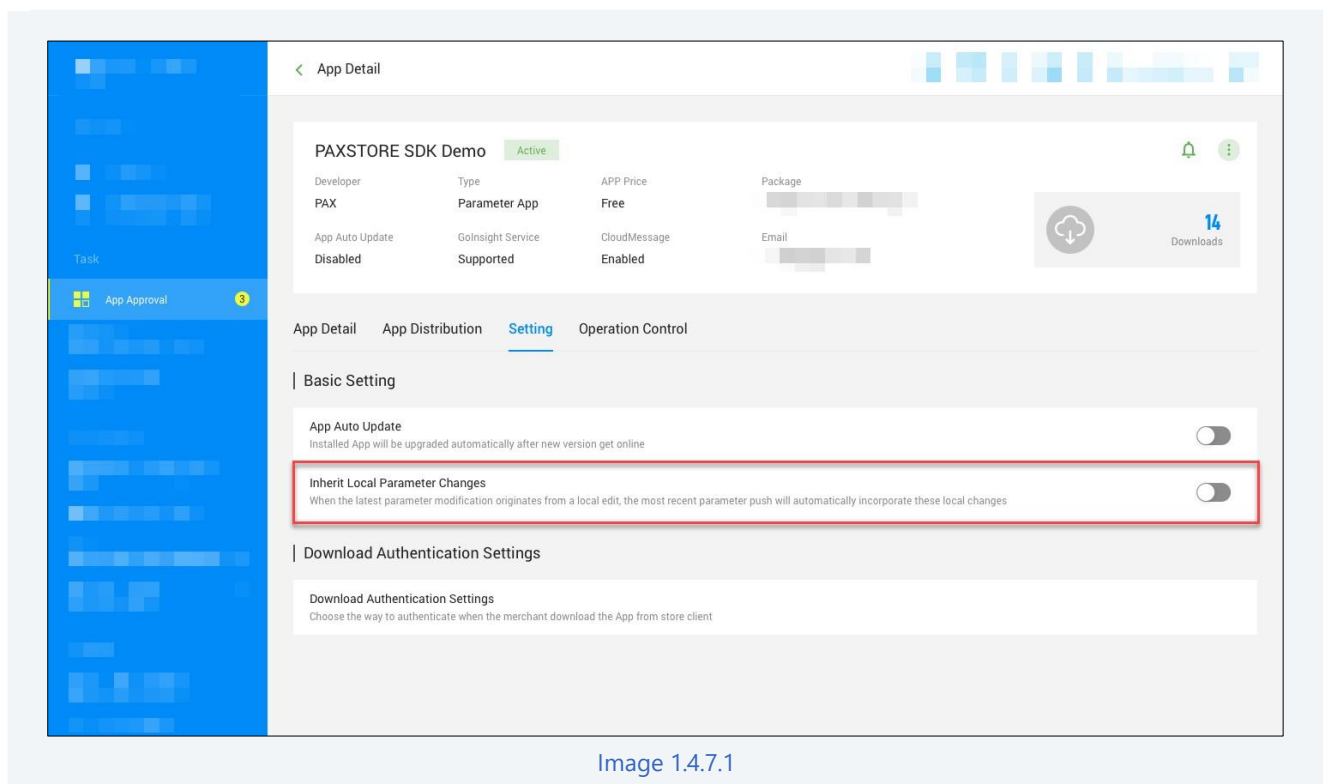
BACK

Image 1.4.6.5

1.4.7. Overwrite the Local Changes

When the parameter application supports uploading local changed parameters, there will also be a new switch “Inherit Local Parameter Changes” in App Approval -> App Detail -> Setting -> Basic Setting, the switch is off by default. (Image1.4.7.1).

- When the switch is turned on: when the latest parameter modification originates from a local edit, the most recent parameter push will automatically incorporate these local changes.
- When the switch is turned off: it indicates that there is no need to synchronize the local parameter change values. The values in the template are only based on those pushed by the platform.



1.4.8. AirLauncher New Features

1. New Features 1.47

- Auto-Start App ☐ Previously, only one application could be configured for automatic startup. Now, up to 5 applications can be configured for automatic startup. ☐ Upon device boots, the system sequentially verifies each application in the predefined application list. If the first application is unavailable, it proceeds to check the next one in the sequence. Once detected, it will be launched as the startup app, and subsequent checks will stop.(Image 1.4.8.1).
- Upon device boots, the system sequentially verifies each application in the predefined application list. If the first application is unavailable, it proceeds to check the next one in the sequence. Once detected, it will be launched as the startup app, and subsequent checks will stop.(Image1.4.8.1)

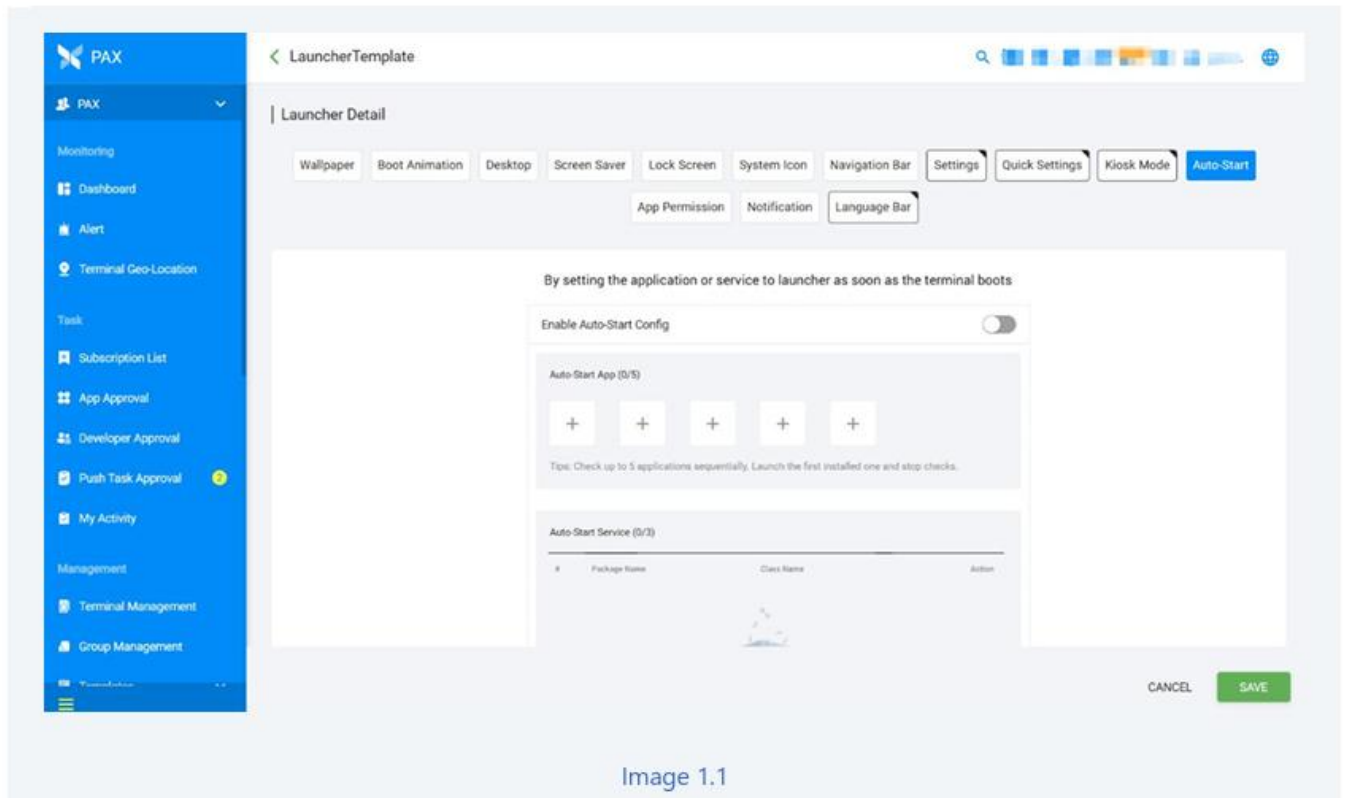


Image 1.1

Image 1.4.8.1

1.4.9. Auto-Start Service

- Under the Auto-Start type configurations, in addition to the existing Auto-Start Application option, a new Auto-Start Service has been added. (Image 1.4.9.1) The number of auto-start services that can be configured is limited to maximum of 3.
- Upon device boots, the system will check whether background services on the device match those configured for auto-start. When the configured services are detected, the system will immediately launch them.

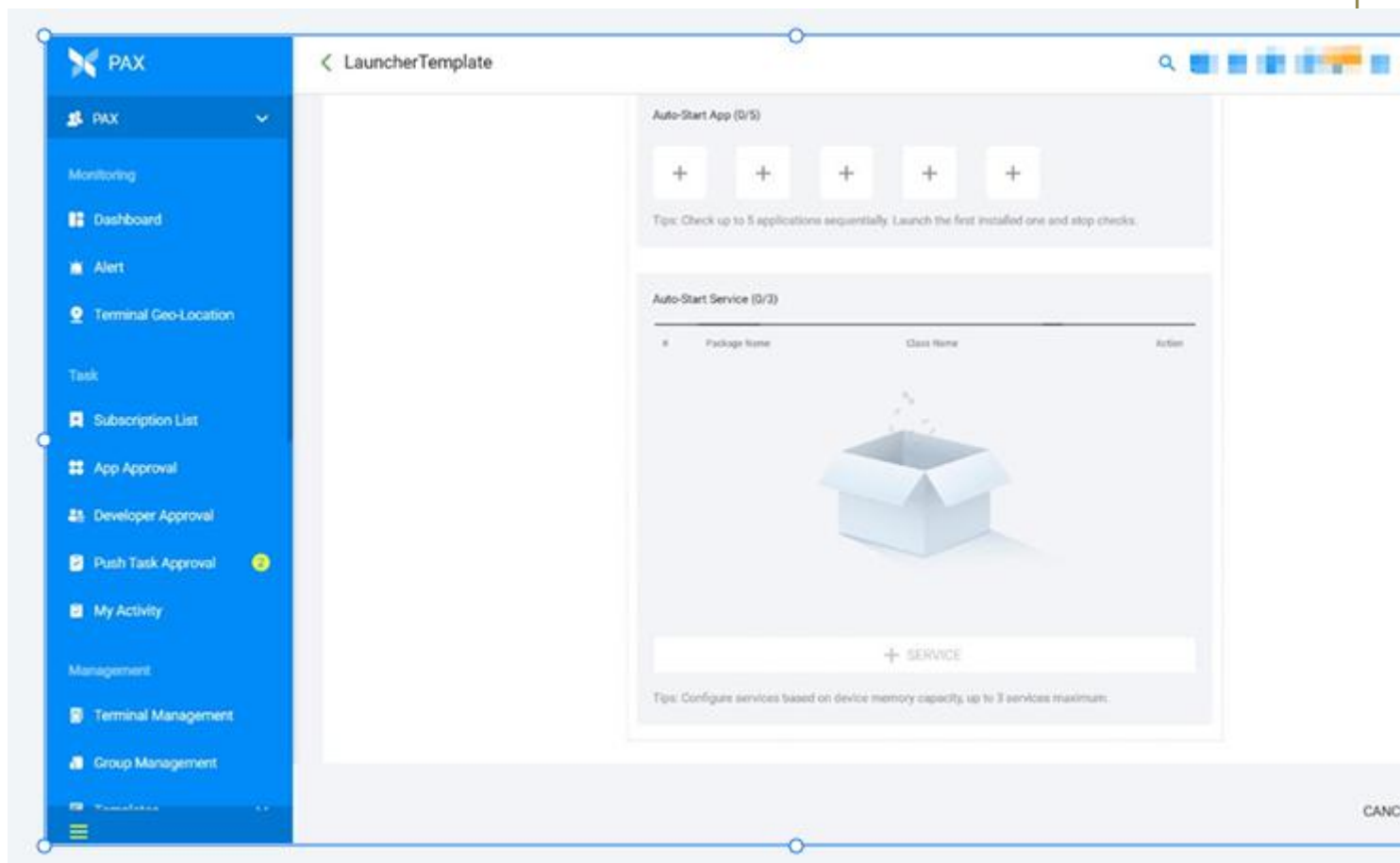
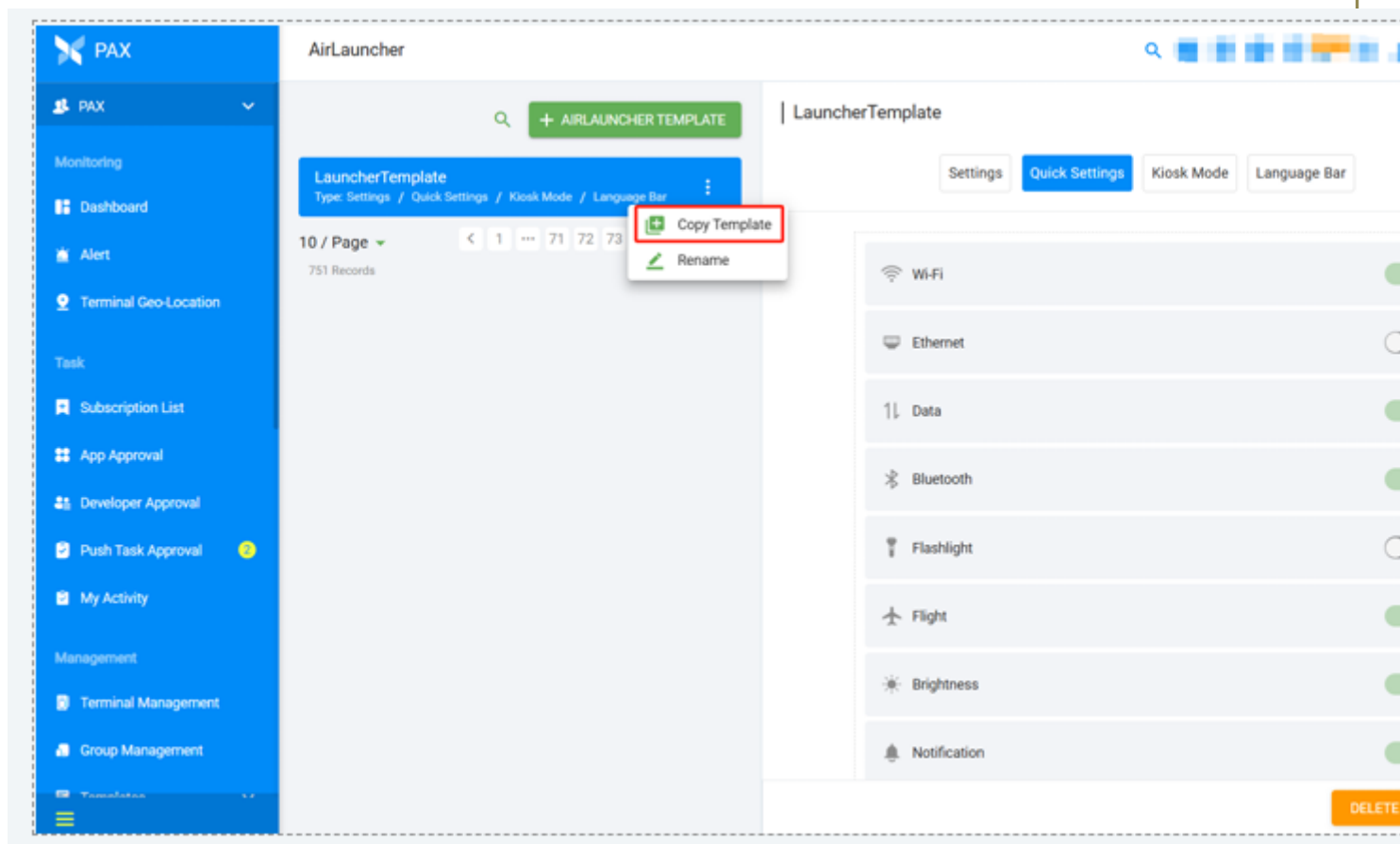


Image 1.4.9.1

- Users can now copy existing templates by selecting one and clicking the Copy Template button, creating a duplicate that can be refined with minor adjustments instead of configuring entirely from scratch, significantly saving time and effort. (Image 1.3).
- Users can now rename templates by clicking the Rename button located below the Copy Template button, enabling direct modification of the currently selected template's name. (Image 2.1)
- Icons have been added to each setting item within Quick Settings, enhancing visual appeal and enabling more intuitive navigation. (Image 2.2).



2. Functionality Optimization

2.1. Out of Geo-Fence Alert (For Resellers and Developers)

- Added new columns "Reseller", "Merchant" and "Status" in the alert list of "Out of Geo-Fence" in order to better identify the ownership of the terminal and its locked status. (Image 2.1.1).
- Optimized the search function on the right side of the Alert List, supporting multiple SN, TID, and Name searches to facilitate users' selection of terminals. (Image 2.1.1).

Alert

Goinstight

Alert

Alert List

Out of Geo-Fence

Recent Test: Console/Email

Out of Geo-Fence

Alert List

1

2

1

2

1

2

10 / Page

339 Records

4 Selected

LOCK

- Added multiple columns "Longitude", "Latitude", "Lock Status", "Lock Time", "Operator", "Last Access Time" in the exported report of Out of Geo-Fence for better analysis. (Image2.1.2).

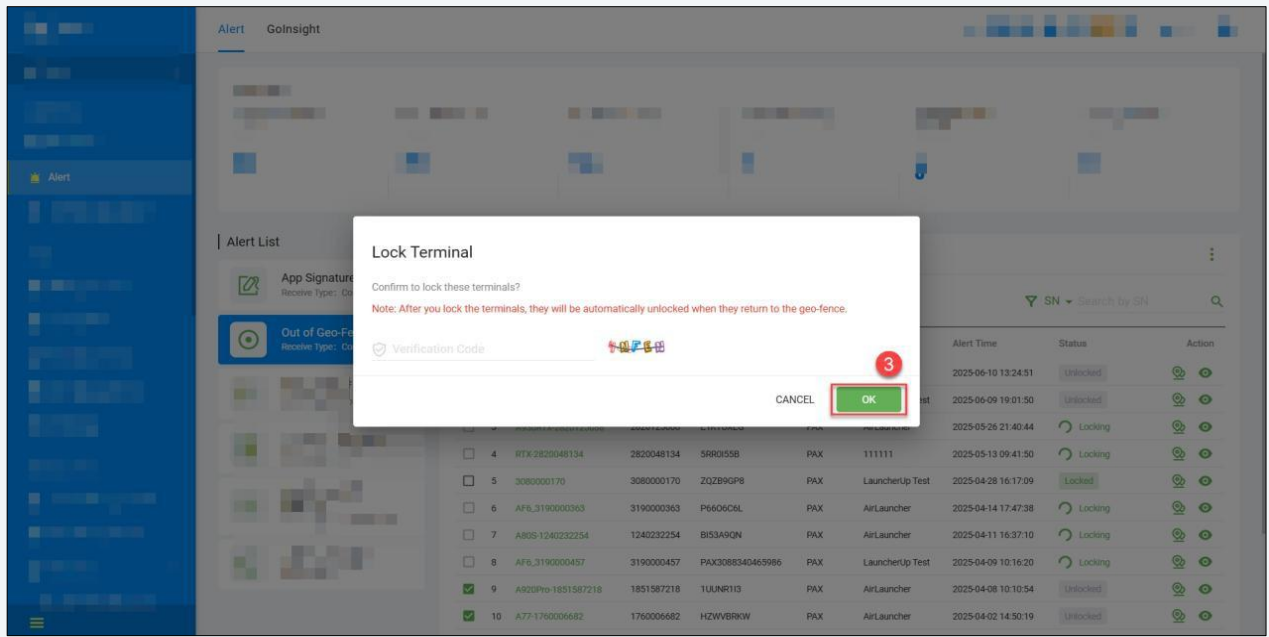


Image 2.1.4

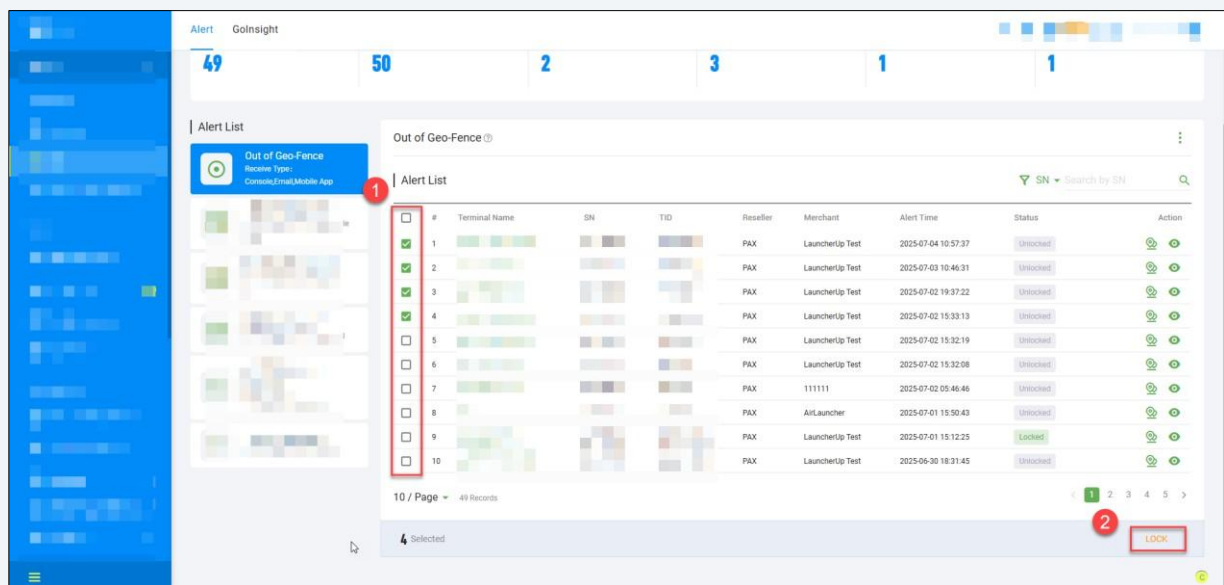


Image 2.1.3

- Meanwhile, it also supported batch unlocking of terminals in the alarm list. (Image2.1.5).

Alert

Goinsight

Alert List

App Signature Failed
Receive Type: Console/Email

Out of Geo-Fence
Receive Type: Console/Email

Out of Geo-Fence

Alert List

SN Search by SN

	#	Terminal Name	SN	TID	Reseller	Merchant	Alert Time	Status	Action
<input checked="" type="checkbox"/>	1				PAX	0000---	2025-06-10 13:24:51	Locked	
<input type="checkbox"/>	2				PAX	LauncherUp Test	2025-06-09 19:01:50	Locking	
<input type="checkbox"/>	3				PAX	AirLauncher	2025-05-26 21:40:44	Locking	
<input type="checkbox"/>	4				PAX	1111111	2025-05-13 09:41:50	Locking	
<input checked="" type="checkbox"/>	5				PAX	LauncherUp Test	2025-04-28 16:17:09	Locked	
<input type="checkbox"/>	6				PAX	AirLauncher	2025-04-14 17:47:38	Locking	
<input type="checkbox"/>	7				PAX	AirLauncher	2025-04-11 16:37:10	Locking	
<input type="checkbox"/>	8				PAX	LauncherUp Test	2025-04-09 10:16:20	Locking	
<input type="checkbox"/>	9				PAX	AirLauncher	2025-04-08 10:10:54	Locking	
<input type="checkbox"/>	10				PAX	AirLauncher	2025-04-02 14:50:19	Locking	

10 / Page 39 Records

< 1 2 3 4 >

2 Selected

UNLOCK

Image 2.1.5

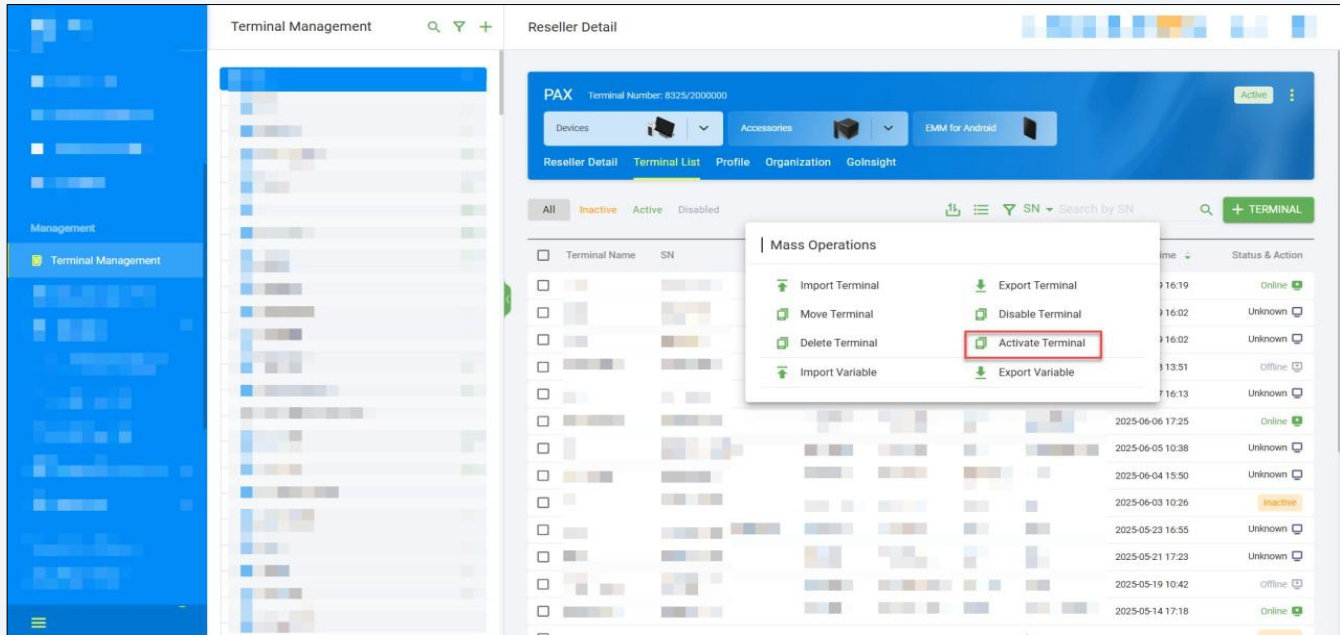


Image 2.2.1

2.2. Terminal Management (For Resellers and Developers)

- Added a new mass operation "Activate Terminal" for administrator to batch activate the terminals that are in the disabled or inactive status. (Image 2.2.1).
- Added a new setting "Store Client Notification Sound" in "Store Client Configuration" module of "Profile", the administrators can now batch turn off/on the notification sounds of the store client on the terminal. (Image 2.2.2).

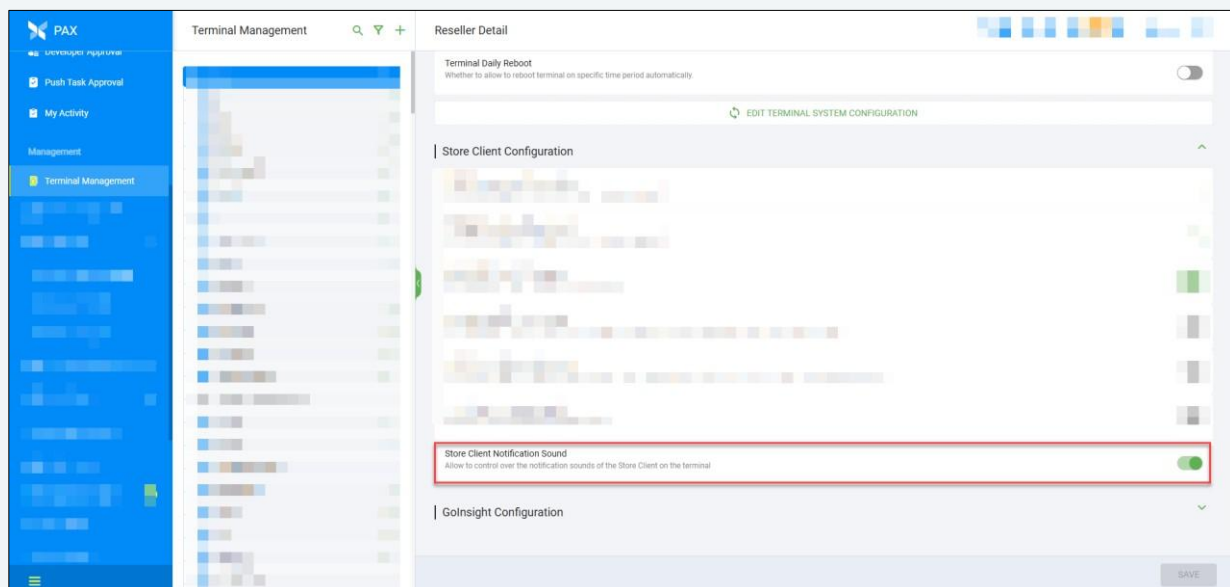
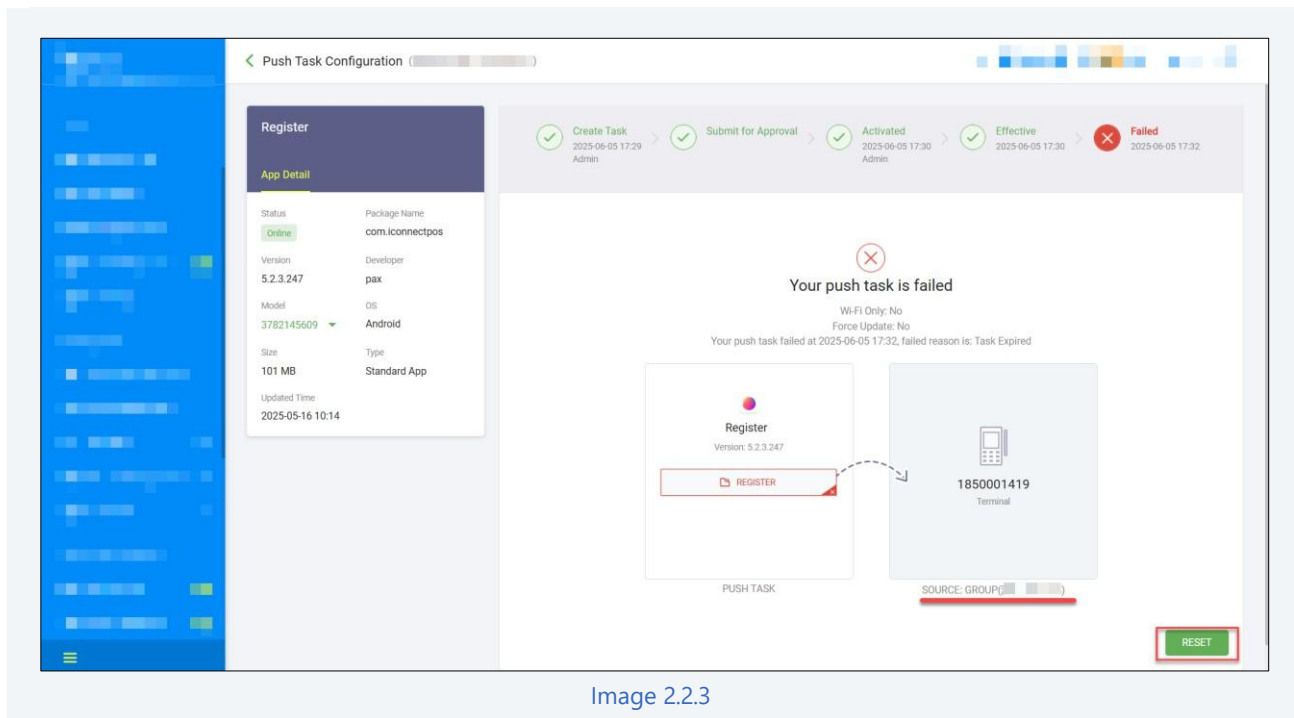


Image 2.2.2

- Supported users reset the group push task at the terminal level. (Image 2.2.3).



2.3. Group Management (For Resellers and MP)

- Enhanced the gradual rollout feature. Added a new setting "Terminal Selection" in "Partial Push" mode for users to choose the randomized terminals or targeted terminals in task pushing. (Image 2.3.1).
 - **Randomized:** Same as previous logic, supports users entering the number of terminals to be pushed. (Image 2.3.1).
 - **Targeted:** Supports users inputting the targeted terminal SNs need to be pushed. (The maximum quantity of terminal is 100, and separate by a comma", ".) (Image 2.3.2).

Additionally, the "Timed Push Strategy" is now supported for "Partial Push," just as it is for "Recurring Push."

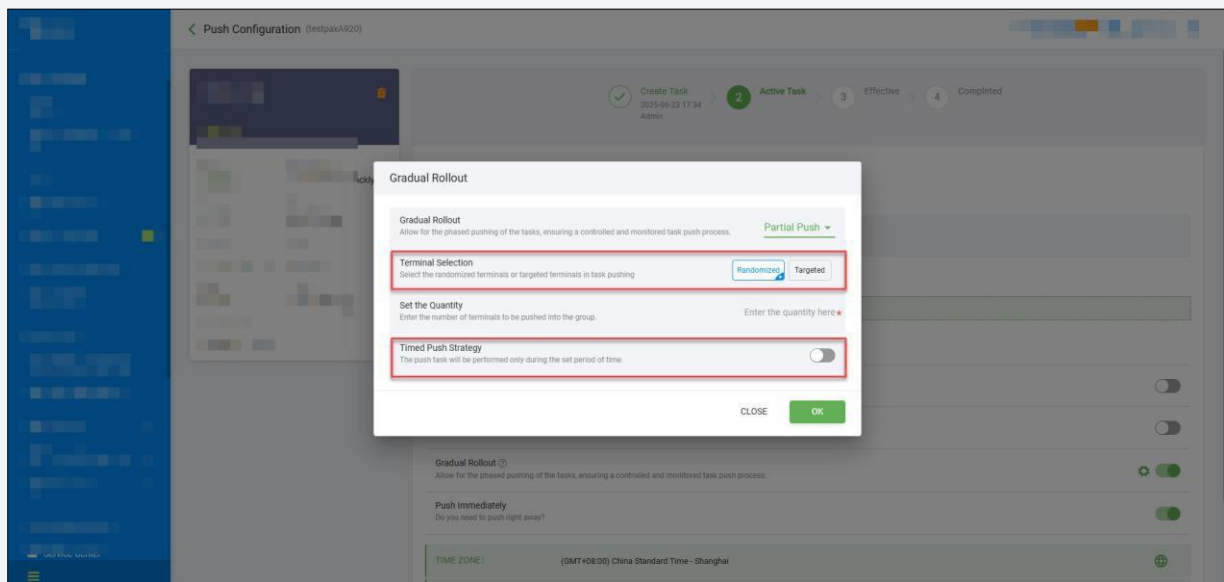


Image 2.3.1

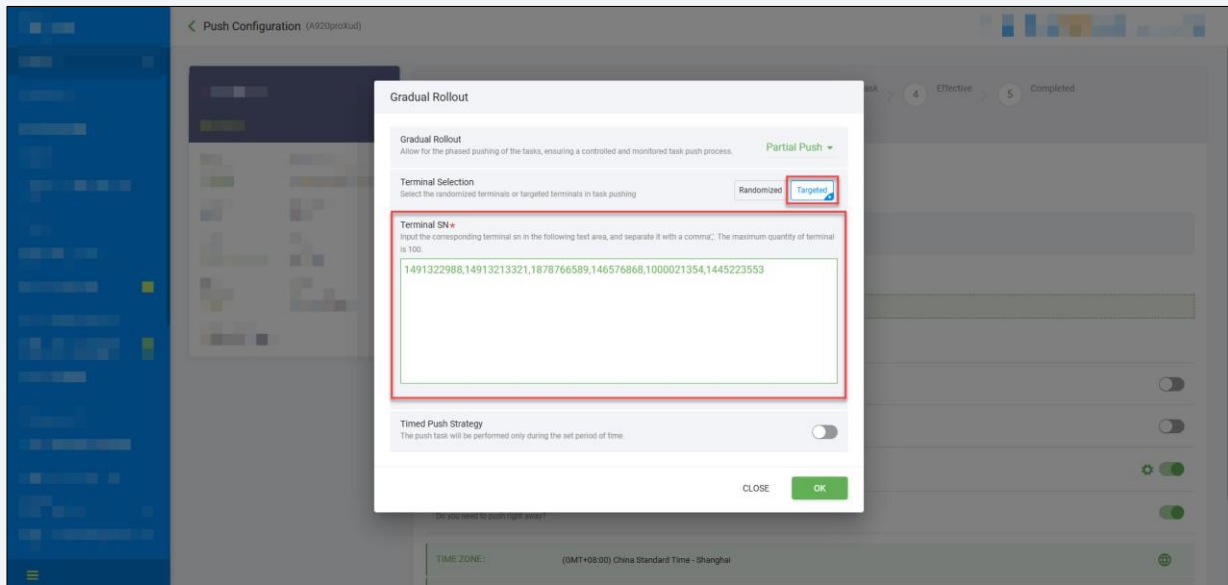


Image 2.3.2

- Added "Sort" function in the "Group List" to facilitate users' search for groups. Users can sort the groups by created name or group name. (Image 2.3.3).

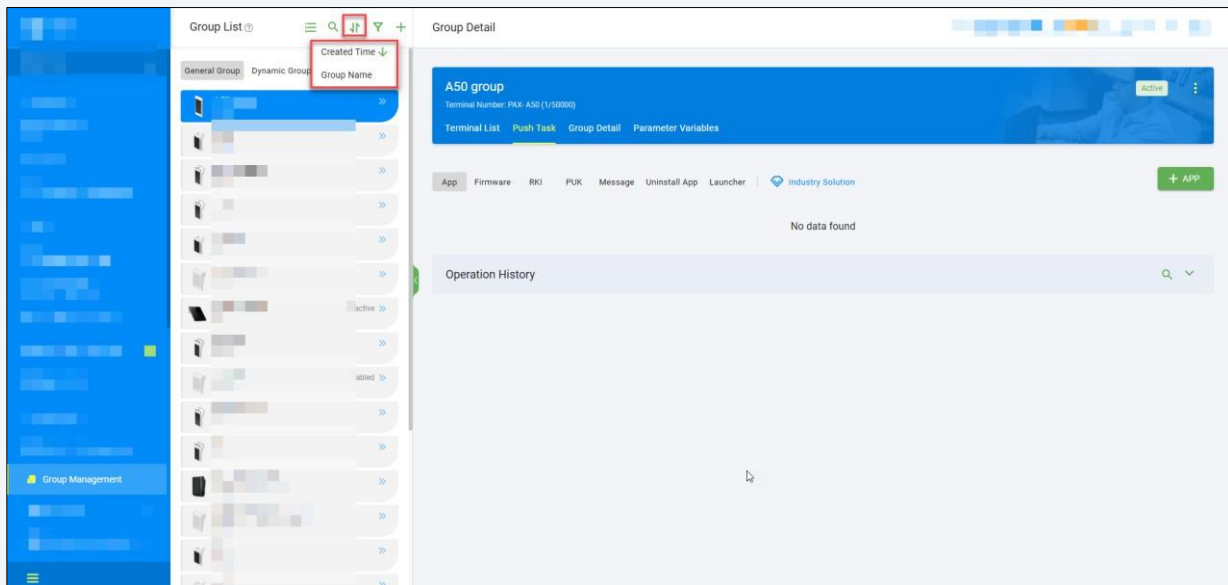


Image 2.3.3

- Supported for creating firmware push task, resource package push task, and modem package push task simultaneously within the same group/terminal. (Image 2.3.4).

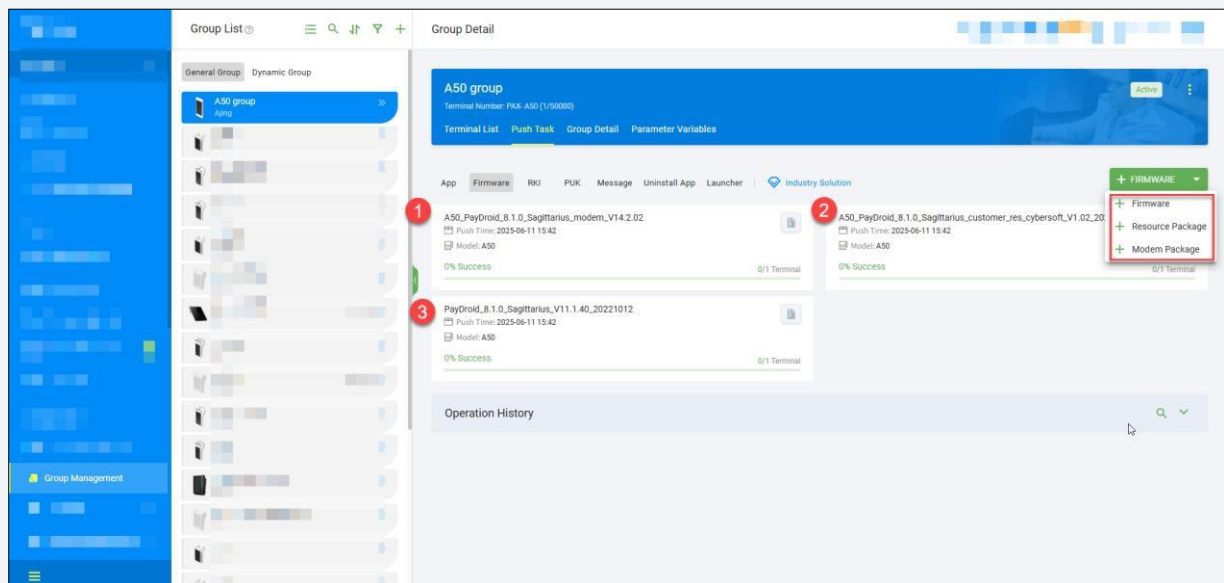


Image 2.3.4

2.4. Report Center (For Resellers and Developers)

- Added a new "Terminal In-Out Geo-Fence Report" in the "Report Center", users can use this report to view information about terminals in and out of geo-fence records. (Image 2.4.1 - 2.4.4).

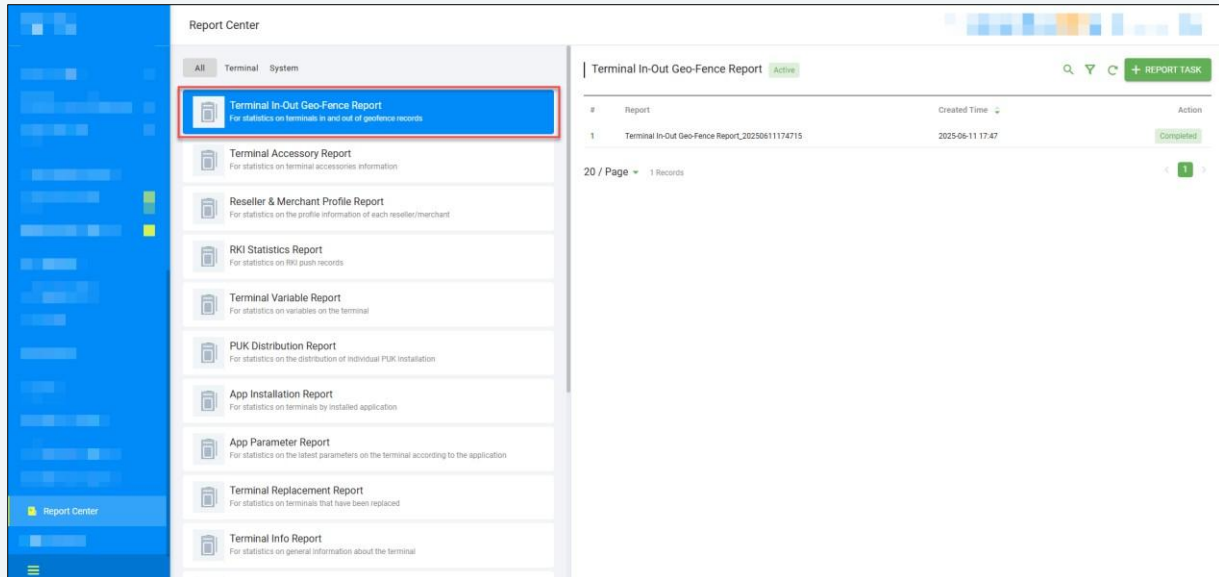


Image 2.4.1

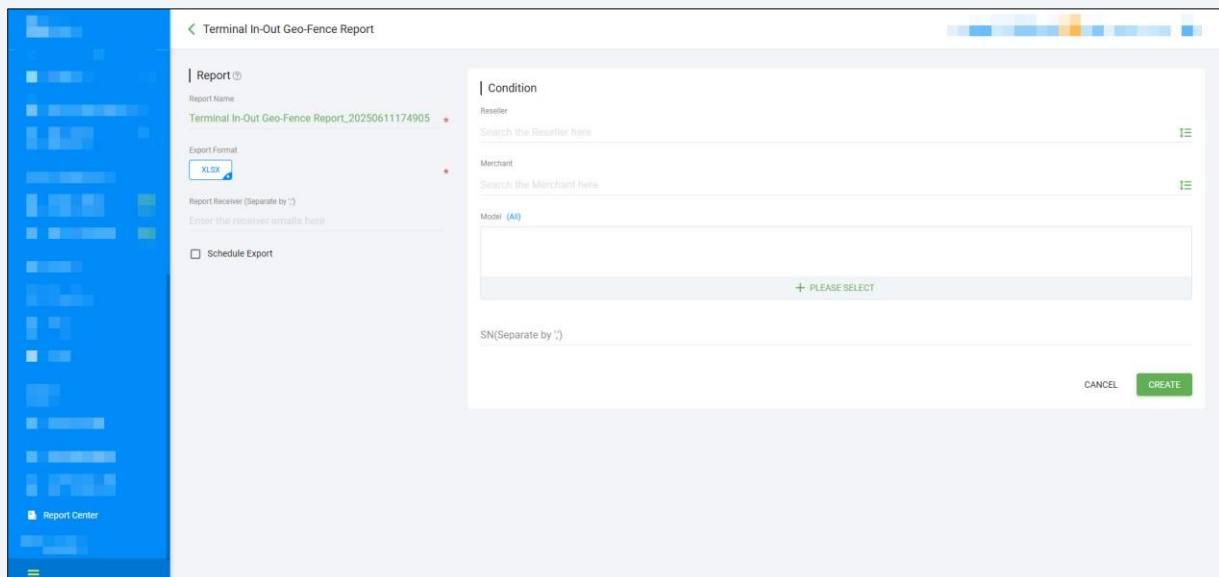


Image 2.4.2

	A	B	C	D	E	F	G	H
1	Terminal In-Out Geo-Fence Report							
2								
3	Report Generated Date:							
4	Marketplace Name: F							
5								
6	SN	Reseller	Merchant	Model	Location Status	Longitude	Latitude	Location Status Changed Time
7		PAX	111111	A930	In Geofence	120.776937	31.308168	2025-06-10 16:55:23
8		PAX	0000----	IM30	Out of Geofence	114.111678	22.702865	2025-05-28 10:42:38
9		PAX	Sylar	A920Pro	In Geofence	120.776861	31.308116	2025-05-28 12:29:44
10								
11								
12								
13								
14								

Image 2.4.3

- Added the organizational structures in the "Reseller" column in the exported excel of "RKI Statistics Report". (Image 2.4.4).

	A	B	C	D	E	F	G	H	I	J
1	RKI Statistics Report									
2										
3	Report Generated Date: 2025-06-11 17:45:20									
4	Marketplace Name: PAX									
5										
6	Serial No	Reseller	Merchant	Model	Key Template	Task Activation Time	Task Status	Failed Reason	Task Completed Time	Operator
7		PAX // R00haoxy22 // haoxy1							2025/5/20 1:11 AM	Admin
8		PAX // R00haoxy22 // haoxy1							2025/5/20 1:11 AM	Admin
9		PAX // R00haoxy22 // haoxy1							2025/5/20 1:11 AM	Admin
10		PAX // R00haoxy22 // haoxy1							2025/5/20 1:11 AM	Admin
11		PAX // R00haoxy22 // haoxy1							2025/5/20 1:11 AM	Admin
12		PAX // R00haoxy22 // haoxy1							2025/5/20 1:11 AM	Admin
13		PAX // Neal							2025/5/23 8:07 PM	wl
14		PAX // R00haoxy22 // haoxy1							2025/5/30 9:36 AM	Admin
15		PAX // R00haoxy22 // haoxy1							2025/5/30 2:06 PM	wl
16		PAX // R00haoxy22 // haoxy1							2025/5/30 2:06 PM	wl
17		PAX // R00haoxy22 // haoxy1							2025/5/30 2:06 PM	wl
18		PAX // R00haoxy22 // haoxy1							2025/5/30 2:06 PM	wl
19		PAX // R00haoxy22 // haoxy1							2025/5/30 2:06 PM	wl
20		PAX // R00haoxy22 // haoxy1							2025/5/30 2:06 PM	wl
21		PAX // 00 // ssy1							2025/6/7 4:14 PM	ssy11
22		PAX // 00 // ssy1							2025/6/7 4:14 PM	ssy11
23		PAX // 00 // ssy1							2025/6/7 4:15 PM	ssy11
24		PAX // 00 // ssy1							2025/6/7 4:16 PM	ssy11
25		PAX // 00 // ssy1							2025/6/7 4:16 PM	ssy11
26		PAX // 00 // ssy1							2025/6/7 4:17 PM	ssy11
27		PAX // 00 // ssy1							2025/6/7 4:17 PM	ssy11
28		PAX // 00 // ssy1							2025/6/7 4:17 PM	ssy11
29		PAX // 00 // ssy1							2025/6/7 4:21 PM	ssy11
30		PAX // 00 // ssy1							2025/6/7 4:22 PM	ssy11
31		PAX // 00 // ssy1							2025/6/7 4:22 PM	ssy11
32		PAX // 00 // ssy1							2025/6/7 4:23 PM	ssy11
33		PAX // 00 // ssy1							2025/6/7 4:23 PM	ssy11
34		PAX // Ajing							2025/6/9 4:21 PM	lijing@cs
35		PAX // Ajing							2025/6/9 4:25 PM	lijing@cs
36		PAX // Ajing							2025/6/9 4:27 PM	lijing@cs
37		PAX // Ajing							2025/6/9 4:27 PM	lijing@cs
38		PAX // Ajing							2025/6/9 4:36 PM	lijing@cs
39	1700672792	PAX // Ajing							2025/6/9 4:51 PM	

Image 2.4.4

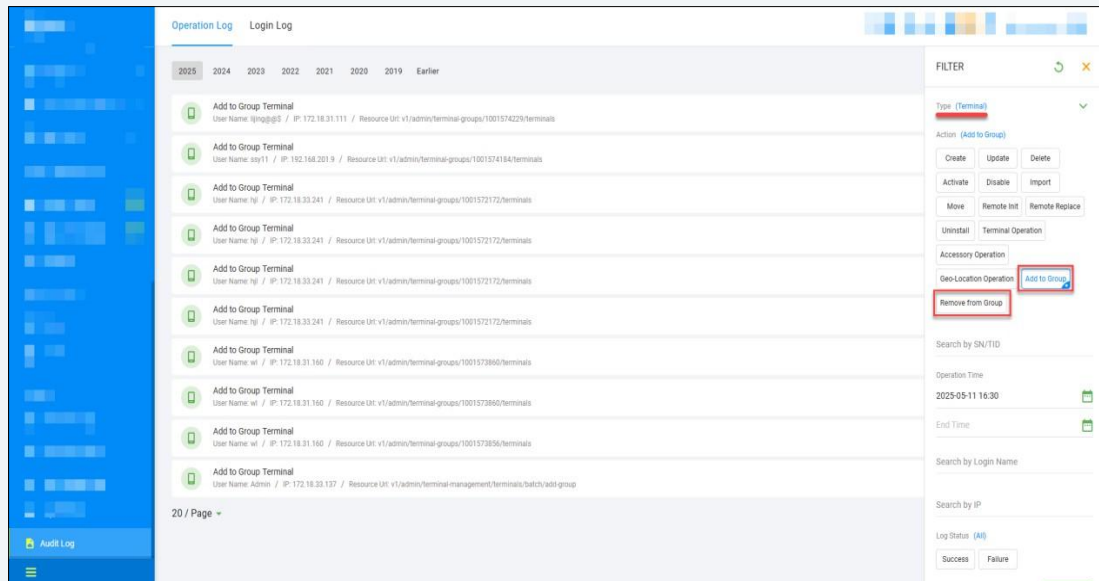


Image 2.5.2

2.5. Audit Log (Marketplace Owners Only)

- Added the merchant's name in the audit log for disabled merchant failed. (Image 2.5.1).

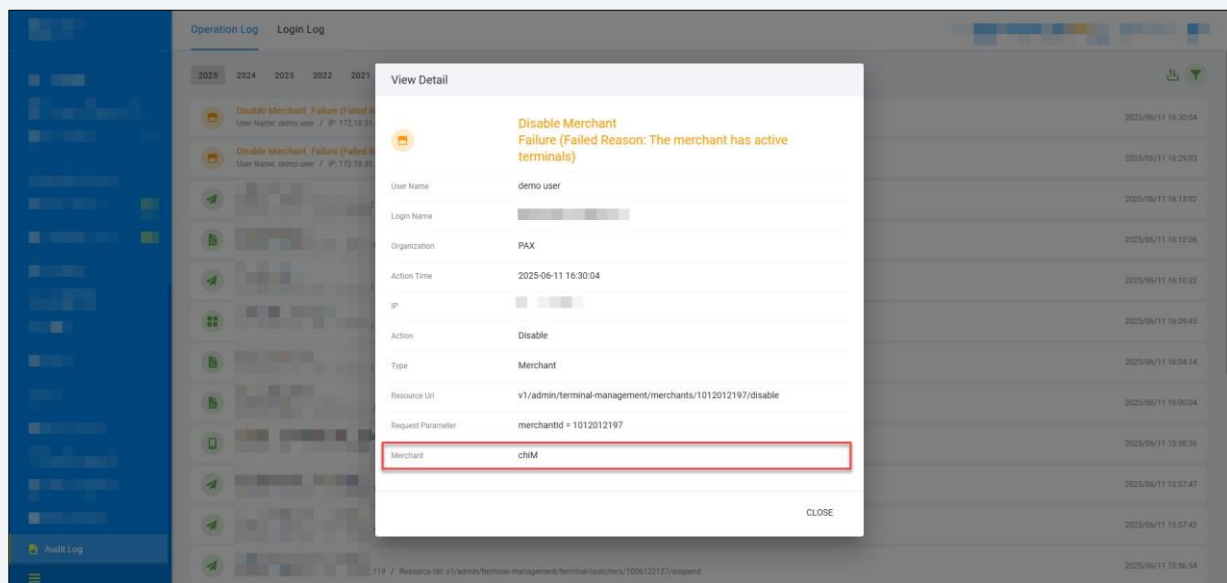


Image 2.5.1

- Added 2 new actions "Add to Group" and "Remove from Group" to terminal type audit log. (Image 2.5.2).
 - Whenever a terminal is added to or removed from a group, logs will be recorded. Meanwhile, this information will also be recorded in the "Operation Log" of "Terminal Details". (Image 2.5.3).

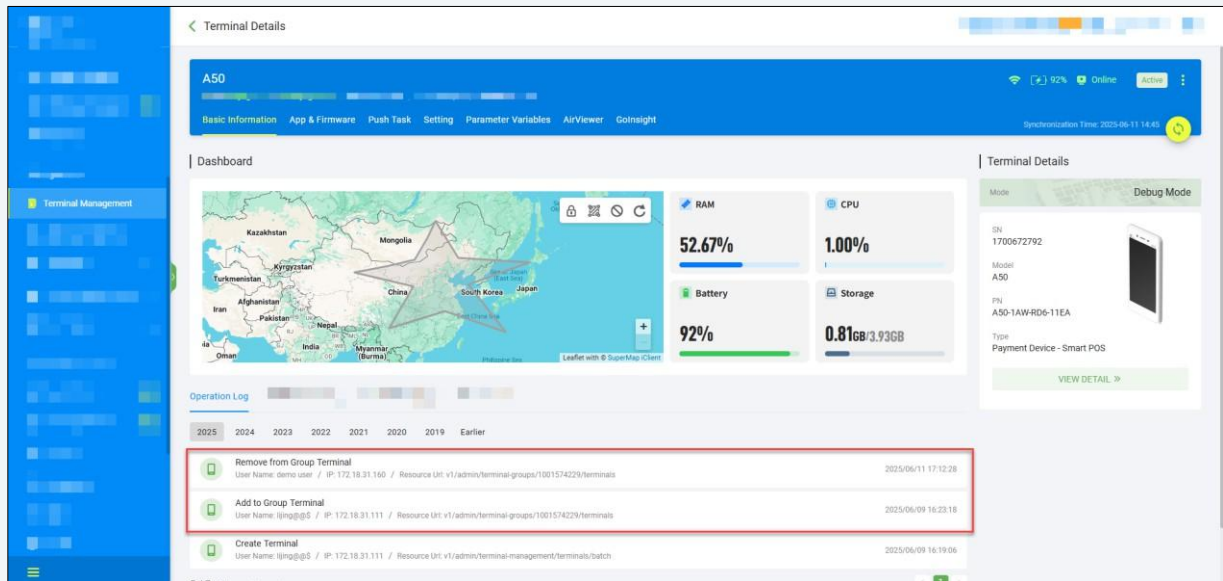


Image 2.5.3

- Optimized the performance of Audit Log.

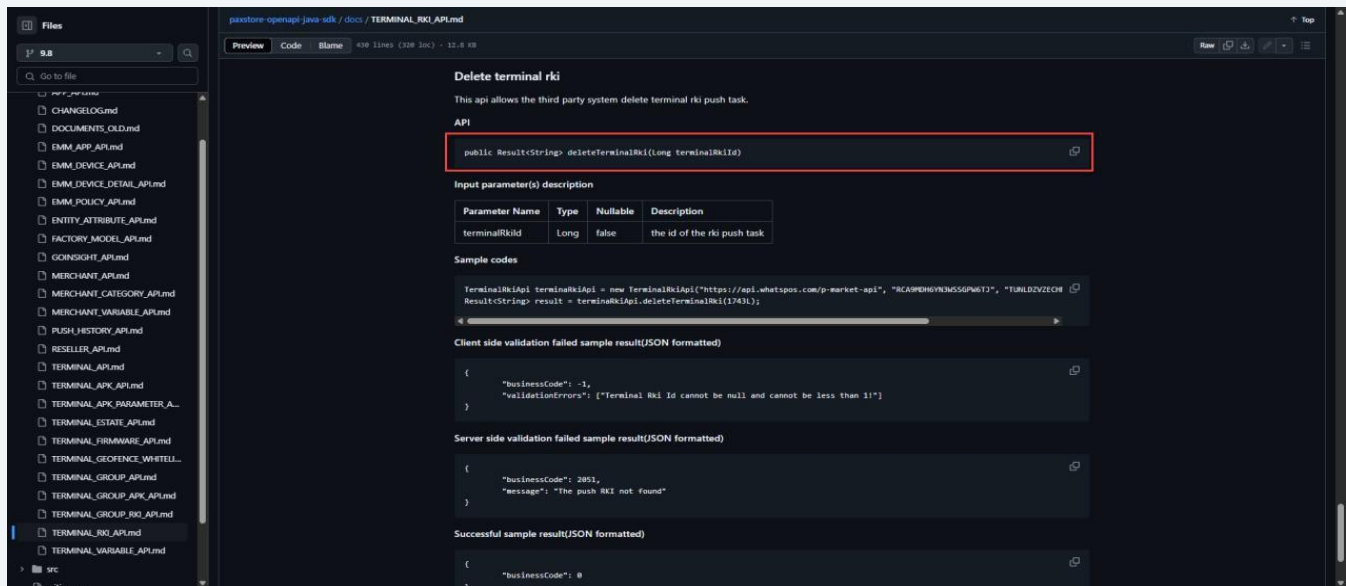


Image 2.6.2

2.6. Open API (Marketplace Owners Only)

- **Delete terminal APK/RKI/firmware task API:** Added a series of APIs for the third-party system to delete the terminal level inactive APK/RKI/firmware push tasks. (Image 2.6.1 - 2.6.3).
 - `public Result<String> deleteTerminalApk3(Long terminalApkId)`
 - `public Result<String> deleteTerminalRki(Long terminalRkiId)`
 - `public Result<String> deleteTerminalFirmware(Long terminalFirmwareId)`

Files

Go to file

EMM_DEVICE_API.md

EMM_DEVICE_DETAIL_API.md

EMM_POLICY_API.md

ENTITY_ATTRIBUTE_API.md

FACTORY_MODEL_API.md

GOINSIGHT_API.md

MERCHANT_API.md

MERCHANT_CATEGORY_API.md

MERCHANT_VARIABLE_API.md

PUSH_HISTORY_API.md

RESELLER_API.md

TERMINAL_API.md

TERMINAL_APK_API.md

TERMINAL_APK_PARAMETER_API.md

TERMINAL_ESTATE_API.md

TERMINAL_FIRMWARE_API.md

TERMINAL_GEOFENCE_WHITELIST_API.md

TERMINAL_GROUP_API.md

TERMINAL_GROUP_APK_API.md

TERMINAL_GROUP_RISK_API.md

TERMINAL_RISK_API.md

TERMINAL_VARIABLE_API.md

src

gitignore

LICENSE

README.md

pom.xml

passtore-openapi-java-sdk / docs / TERMINAL_FIRMWARE_API.md

Preview Code Blame 411 lines (386 loc) ~ 23.2 KB

Rate

Delete terminal firmware

This api allows the third party system delete terminal firmware push task.

API

```
public Result<String> deleteTerminalFirmware(Long terminalFirmwareId)
```

Input parameter(s) description

Parameter Name	Type	Nullable	Description
terminalFirmwareId	Long	false	the id of the firmware push task

Sample codes

```
TerminalFirmwareApi terminalFirmwareApi = new TerminalFirmwareApi("https://api.whatsapp.com/p-market-api", "BCAPMDHBYNWSGPMWT");
Result<String> result = terminalFirmwareApi.deleteTerminalFirmware(17431);
```

Client side validation failed sample result(JSON formatted)

```
{
  "businessCode": -1,
  "validationErrors": ["Terminal Firmware Id cannot be null and cannot be less than 1"]
}
```

Server side validation failed sample result(JSON formatted)

```
{
  "businessCode": 8181,
  "message": "Terminal Firmware has not been found"
}
```

Successful sample result(JSON formatted)

```
{
  "businessCode": 0
}
```

Image 2.6.3

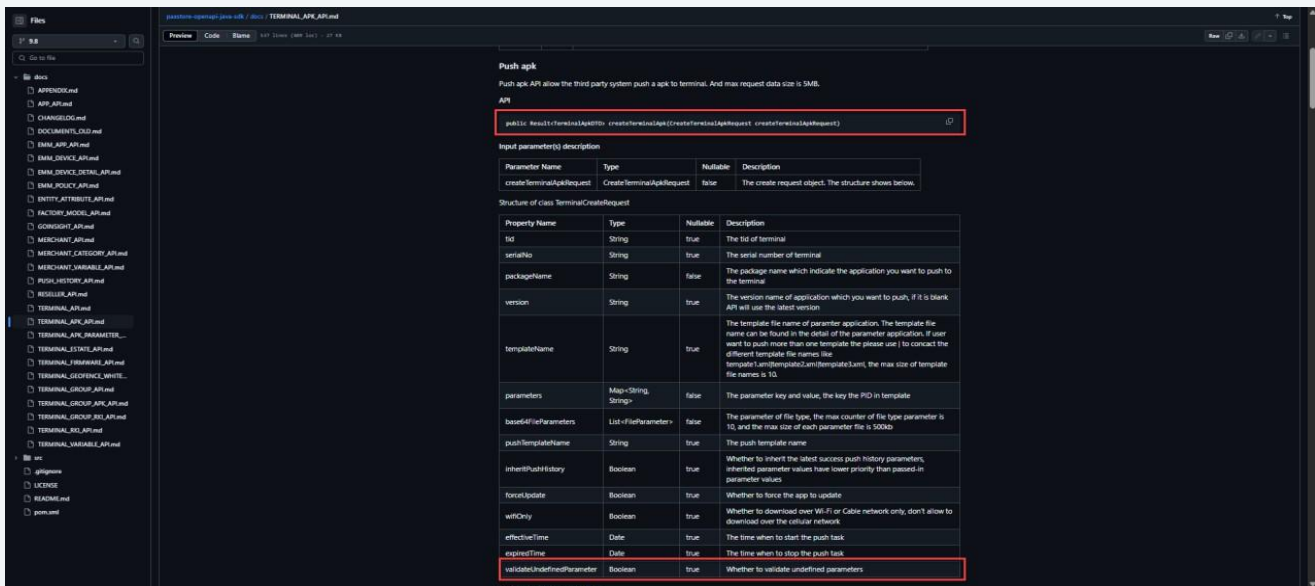


Image 2.6.4

- Added a new property "validateUndefinedParameter" in the following APIs for users to set whether to validate undefined parameters.

For example, if a parameter template defines only two parameters, PID1 and PID2, and a user creates a parameter push task via a third-party API containing three parameters (including the defined PID1/PID2 plus an undefined PID3 [in the template]), if "validateUndefinedParameter" = true, there will trigger an error and abort the task creation.

■ Terminal Push APK API: (Image 2.6.4).

```
public Result<TerminalApkDTO> createTerminalApk(CreateTerminalApkRequest createTerminalApkRequest)
```

■ Terminal Create APK Parameter API: (Image 2.6.5).

```
public Result<String> createApkParameter(CreateApkParameterRequest createApkParameterRequest)
```

■ Update Terminal APK Parameter API: (Image 2.6.6).

```
public Result<String> updateApkParameter(Long apkParameterId, UpdateApkParameterRequest updateApkParameterRequest)
```

■ Create and Active Group APK API: (Image 2.6.7).

```
public Result<SimpleTerminalGroupApkDTO> createAndActiveGroupApk(CreateTerminalGroupApkRequest createRequest)
```

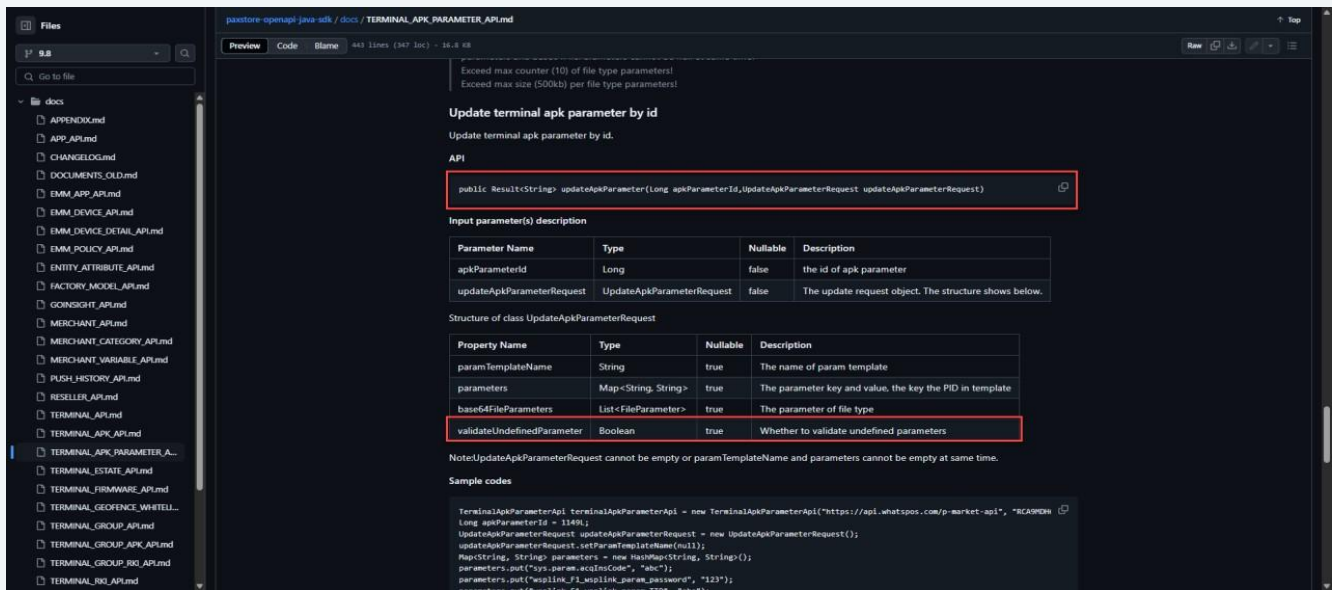



Image 2.6.6

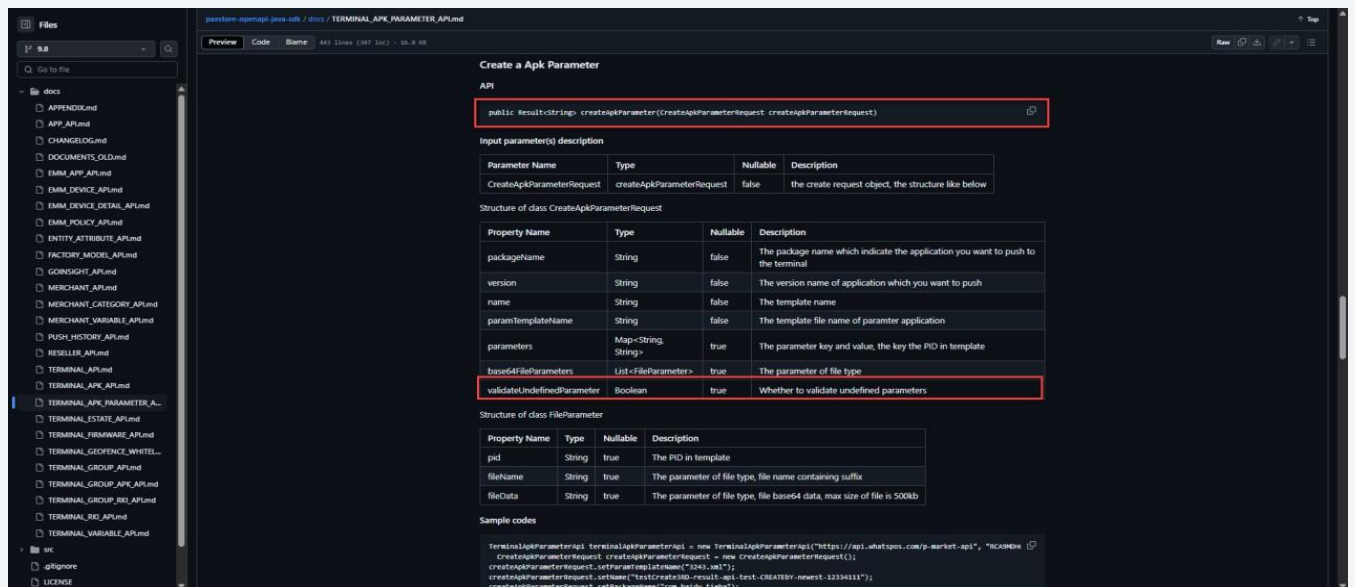


Image 2.6.5

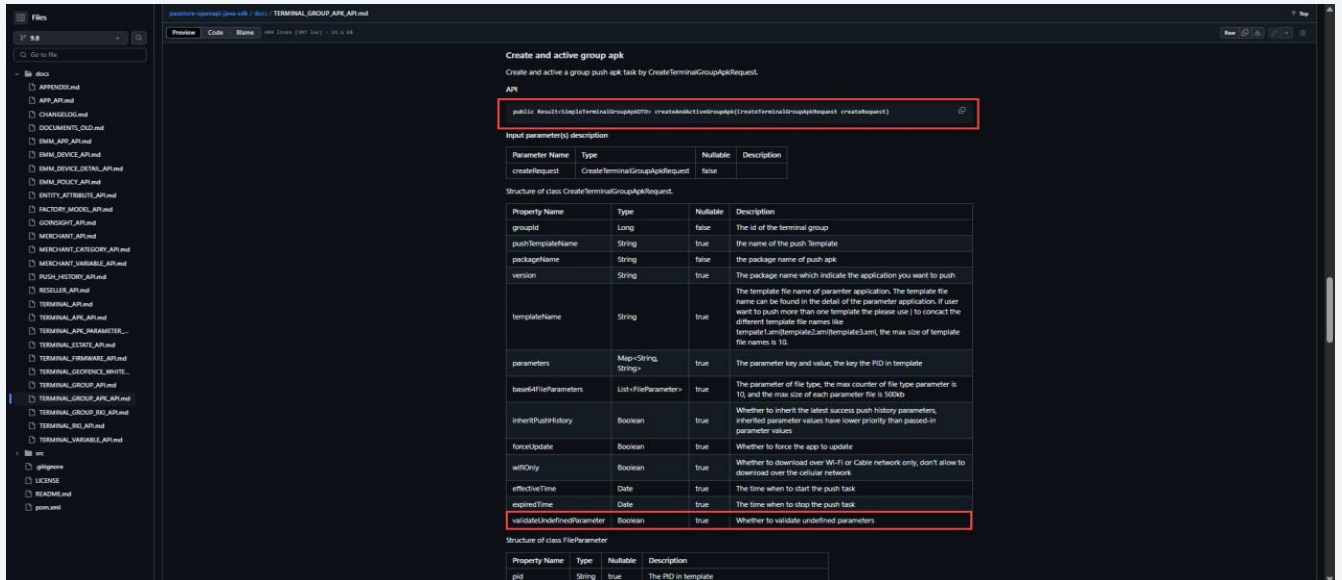
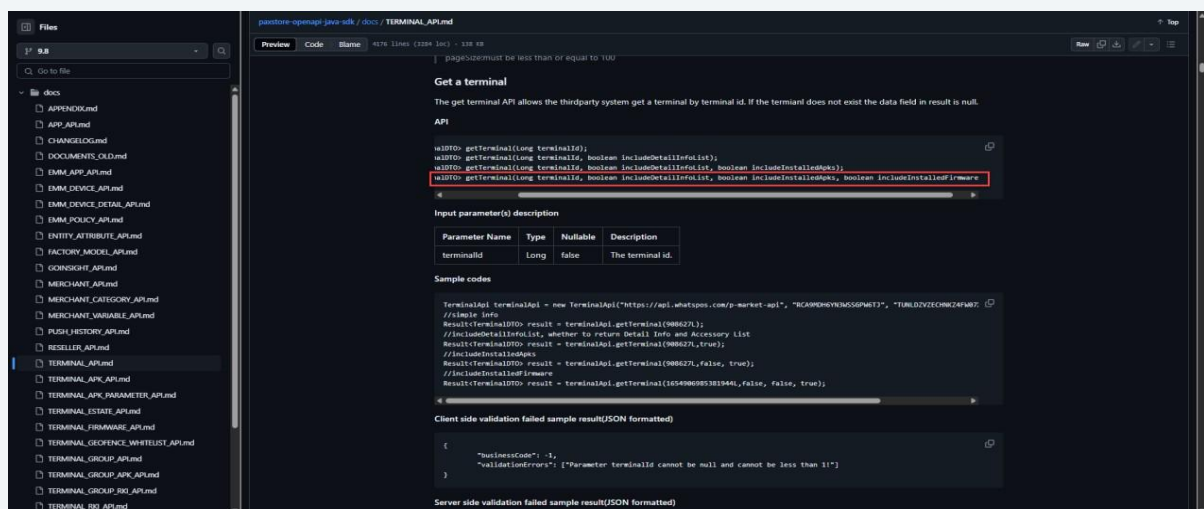


Image 2.6.7

- **Get Terminal API / Get Terminal by SN API:** Added a new parameter query "includeInstalledFirmware" to return the firmware name. (Image 2.6.8 - 2.6.9).
- `public Result<TerminalDTO> getTerminal(Long terminalId, boolean includeDetailInfoList, boolean includeInstalledApks, boolean includeInstalledFirmware);`
- `public Result<TerminalDTO> getTerminalBySn(String serialNo, boolean includeDetailInfoList, boolean includeInstalledApks, boolean includeInstalledFirmware)`



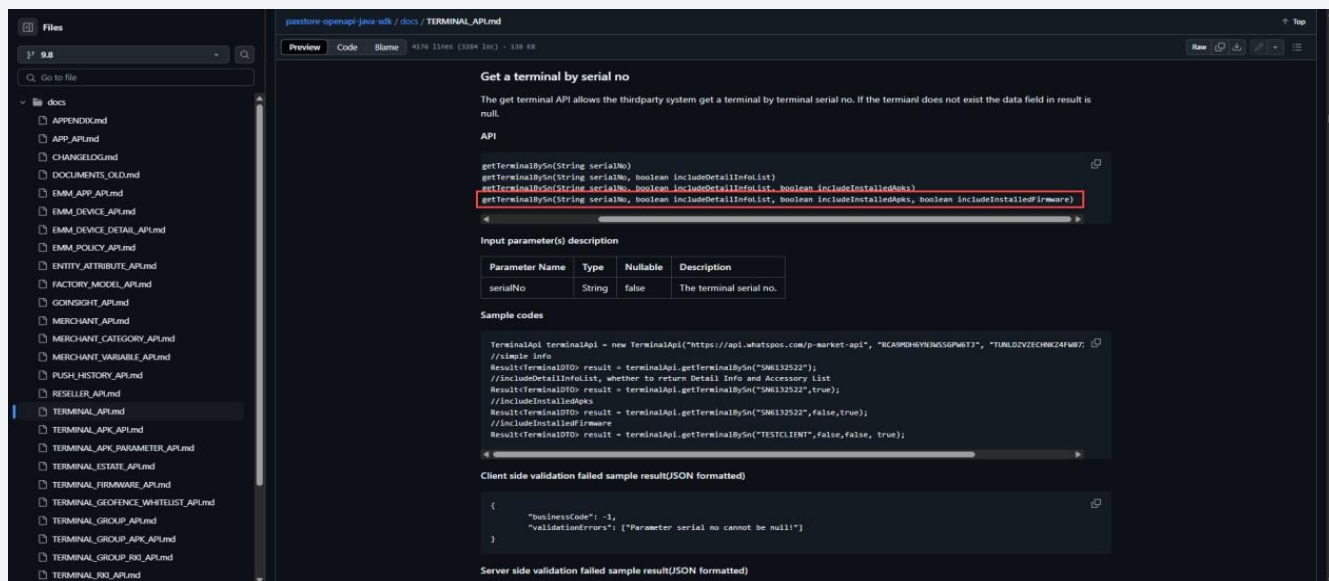


Image 2.6.9

- Added "Time Zone" parameter values to the Open API document. (Image 2.6.10).

Label	Value
(GMT-11:00) Niue Time	Pacific/Niue
(GMT-11:00) Samoa Standard Time	Pacific/Pago_Pago
(GMT-10:00) Cook Islands Standard Time	Pacific/Rarotonga
(GMT-10:00) Hawaii-Aleutian Standard Time	Pacific/Honolulu
(GMT-10:00) Tahiti Time	Pacific/Tahiti
(GMT-09:30) Marquesas Time	Pacific/Marquesas
(GMT-09:00) Gambier Time	Pacific/Gambier
(GMT-09:00) Hawaii-Aleutian Time (Adak)	America/Adak
(GMT-08:00) Alaska Time - Anchorage	America/Anchorage
(GMT-08:00) Alaska Time - Juneau	America/Juneau
(GMT-08:00) Alaska Time - Metlakatla	America/Metlakatla
(GMT-08:00) Alaska Time - Nome	America/Nome
(GMT-08:00) Alaska Time - Sitka	America/Sitka
(GMT-08:00) Alaska Time - Yakutat	America/Yakutat
(GMT-08:00) Pitcairn Time	Pacific/Pitcairn
(GMT-07:00) Mexican Pacific Standard Time	America/Hermosillo
(GMT-07:00) Mountain Standard Time - Creston	America/Creston
(GMT-07:00) Mountain Standard Time - Dawson Creek	America/Dawson_Creek
(GMT-07:00) Mountain Standard Time - Fort Nelson	America/Fort_Nelson
(GMT-07:00) Mountain Standard Time - Phoenix	America/Phoenix
(GMT-07:00) Pacific Time - Dawson	America/Dawson
(GMT-07:00) Pacific Time - Los Angeles	America/Los_Angeles
(GMT-07:00) Pacific Time - Tijuana	America/Tijuana
(GMT-07:00) Pacific Time - Vancouver	America/Vancouver
(GMT-07:00) Pacific Time - Whitehorse	America/Whitehorse

Image 2.6.10

2.7. Optimized the Manufacturer Selection (For Resellers and Marketplace Owners)

- Optimized the manufacturer selection logic. When users perform operations like creating terminals or groups, if a manufacturer has no supported terminal models added yet, it will not appear in the manufacturer options. (Image 2.8.3).

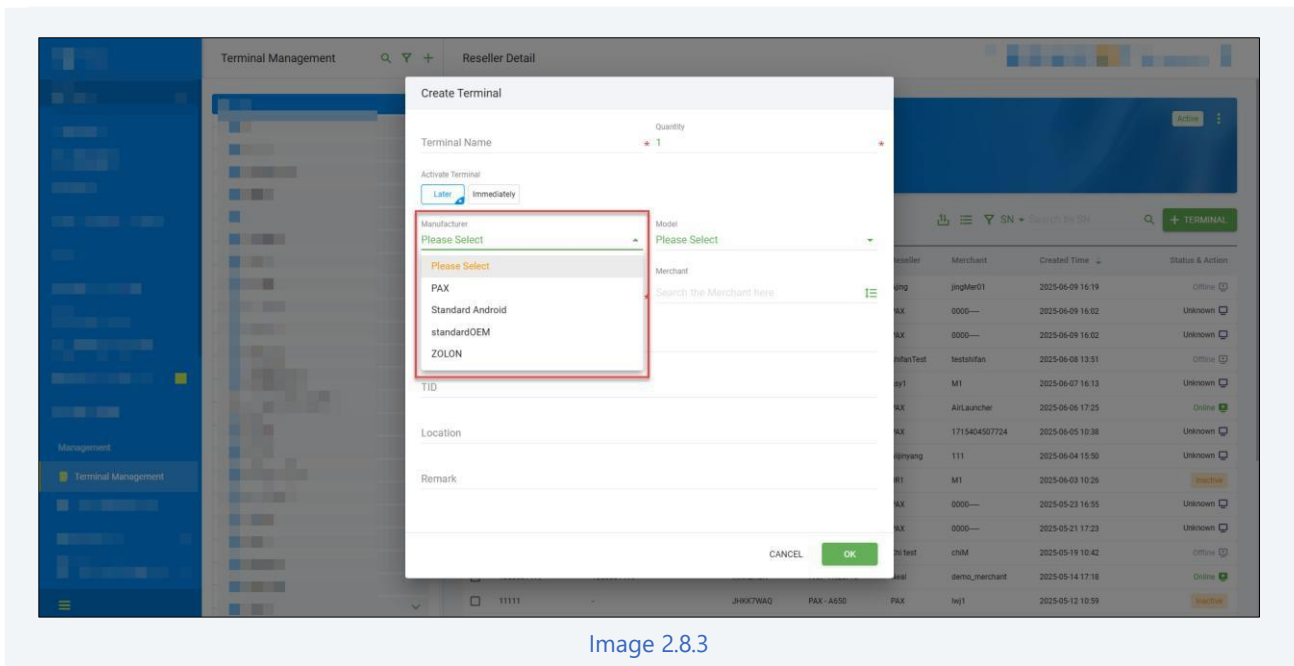


Image 2.8.3

Set the Minimum Battery Level (For Marketplace Owners)

- Added a new setting "Set the Minimum Battery Level for Firmware Update (%)" in Marketplace List -> Permissions -> Advanced Setting -> Advanced Setting -> Advanced Setting. Supported the Global Administrator setting the minimum battery level required for firmware update based on marketplace level. (Image2.8.7). **(Marketplace Owners)**

- Only terminals with a battery level \geq the set value will perform the firmware update task **(Marketplace Owners)**.

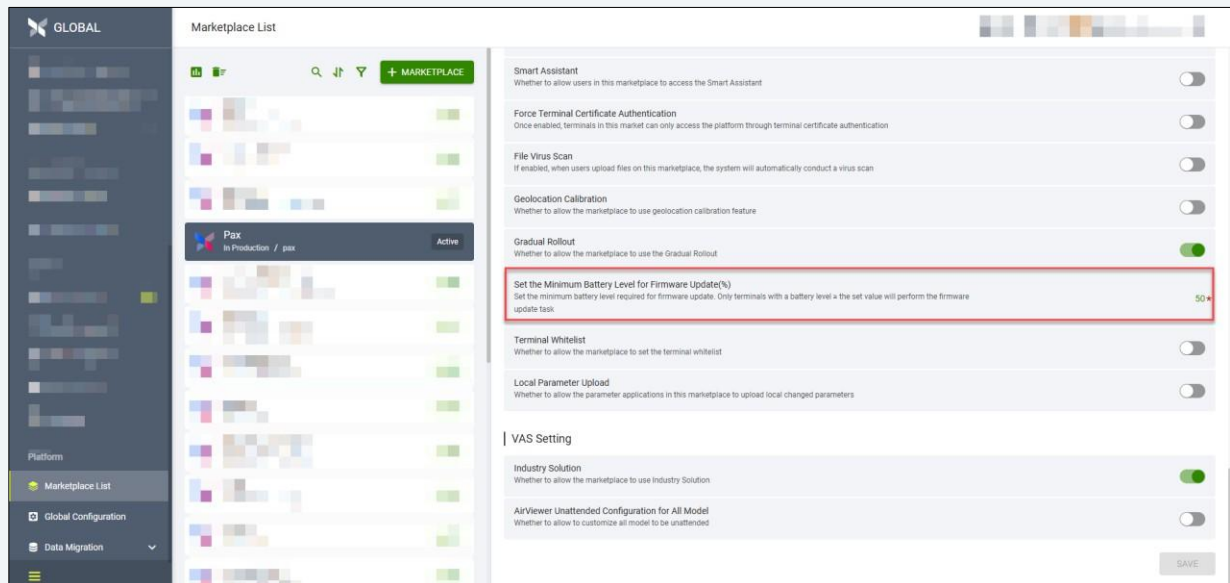


Image 2.8.7

- Supported file virus scanning when uploading the attachment in "App Edit". When developers upload an attachment, a virus scan of the attachment will be automatically executed, and only attachments that pass the scan can be uploaded successfully. (Image2.8.8). (will confirm (SF))

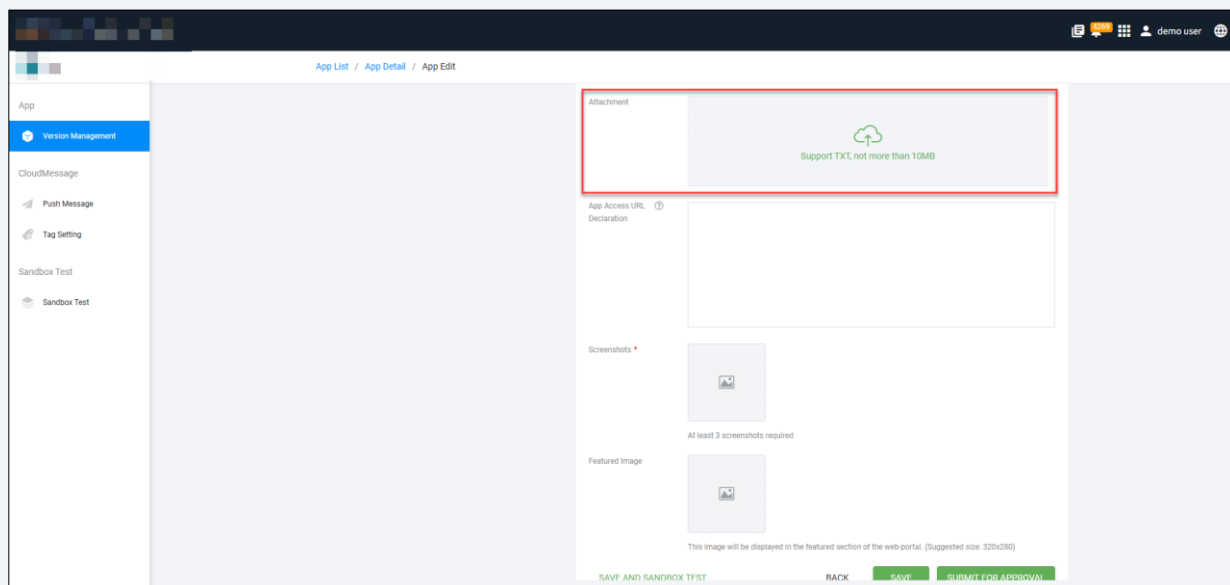


Image 2.8.8

- Optimized user password reset notification. **(Marketplace Owners)**
- Support's "Two Factor Authentication" for SSO users. **(Marketplace Owners)**.

PAXSTORE 9.8 RELEASE NOTES