

PAXSTORE North American Group

Release Notes 9.6

04-15-2025

V1.0



Preface

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TECHNICAL SUPPORT CONTACT INFORMATION

Phone: (877) 859-0099 Email: support@pax.us URL: www.pax.us



Revision History

Date	Version	Description
04-15-2025	v1.0	Initial release



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1. Introduction

Ultra-Modern Advanced Device Management System

Industry-leading device management features are designed to manage, control, and monitor all types of Android and Linux devices more efficiently.

- Automatic terminal deployment and software loading
- Real-time application push and parameter management
- Remote terminal control, help desk, and messaging.
- Real-time status of terminal hardware and applications
- Live Geo-location of each Android payment device

This document provides the PAXSTORE North American Group release version 9.6 information.

1.1 Purpose

This release will include new features, enhancements, and changes to the PAXSTORE.

1.2 Intended Audience

- Premium Marketplace Owners
- PAX Help Desk
- Standard Reseller Account

1.3 Acronyms and Terms

Acronyms and Terms	Definition
PAXSTORE North American Group	The PAXSTORE North American Group is an innovative platform that provides modern administrative functionalities, real-time data, statistical reporting, and hundreds of value-added applications to help unlock the full potential of Android Smart terminals and turn these into a powerful business tool to boost in-store sales, improve the shopping experience and increase customer loyalty. From now on, this document, will be referred to as PAXSTORE.
SSO	Single sign-on is a session and user authentication service that permits a user to us one set of login credentials = for example, to access multiple applications. SSO is used by organizations of all sizes and individuals to ease the management of multiple credentials.



2. New Features

The new features section includes new features added to the PAXSTORE in this release. **Value-Added Services**

2.1 New Geo-Fence Template

The new Geo-Fence Template is available to Premium MP Owners and Resellers. The Geo-Fence template: Added a new feature "Geo-Fence Template", When the administrators configure the Geo-fence to the resellers or the merchants, they can choose the needed Geo-Fence template, and there is no need to draw the Geo-fence repeatedly, which improves the work efficiency. The specific process is as follows:

Create Geo-Fence Template: Added a new menu "Geo-Fence Template" in "Templates", users can create "Center Point Template" (refer to Image 2.1.1) or "Coordinate Point Template" according to their needs. (Image 2.1.2).

Create Center Point Template:

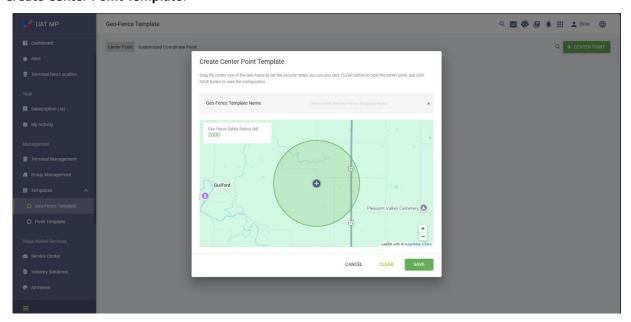


image 2.1.1



Create Coordinate Point Template:

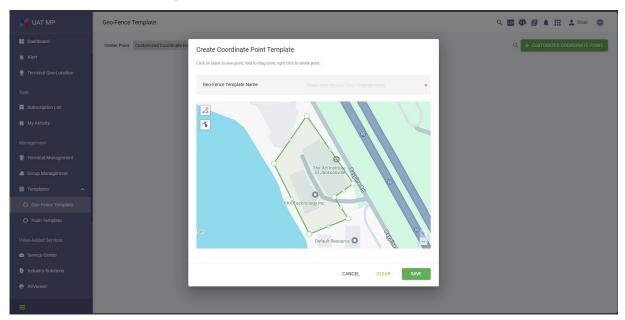


Image 2.1.2

Use Geo-Fence Template: When configuring the Geo-Fence for resellers or merchants, users can click the "GEO-FENCE TEMPLATE" button and select the required template without needing to draw the geo-fence over again. (Image 2.1.3-2.1.4).

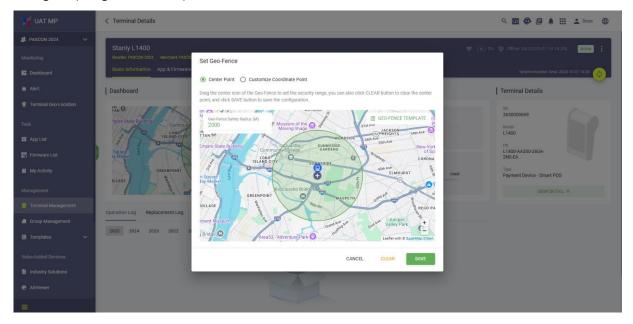


Image 2.1.3



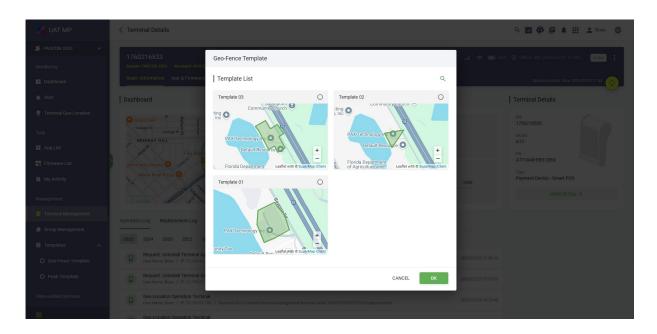


Image 2.1.4

2.2 New Gradual Rollout

The New Gradual Rollout is available to Premium MP Owners and Resellers. Added a new feature "Gradual Rollout" in the "Push Configuration" of group push, users can enable the feature and click the setting icon to select a "Partial Push" or "Recurring Push" mode to perform gradual rollout as needed, the difference of the two modes are as follows: (Image 2.2.1 - 2.2.2). This push time strategy only specifies when the platform sends the task, not when the terminal executes it. If the terminal is online when the platform pushes the task within the specified time frame, the terminal will execute the task immediately. Otherwise, the task will be executed the next time the terminal comes online.

- Partial Push: The number of terminals to be pushed in the group is fixed, cannot be changed automatically if the users want to gradually increase the number based on business progress and actual conditions, they can only modify manually.
- Recurring Push: The task will be pushed in recurring according to the push intervals and the number of terminals that can be pushed within each interval. It is fully automatic and does not require any manual intervention from the user.



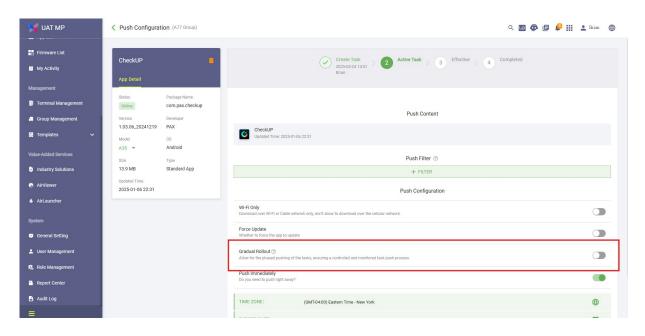


Image 2.2.1

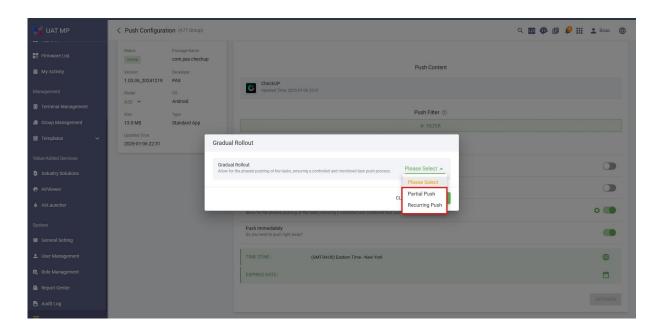


Image 2.2.2



Partial Push: The logic is the same as before, users only need to enter the terminal quantity to be pushed into the group. (Image 2.2.3).

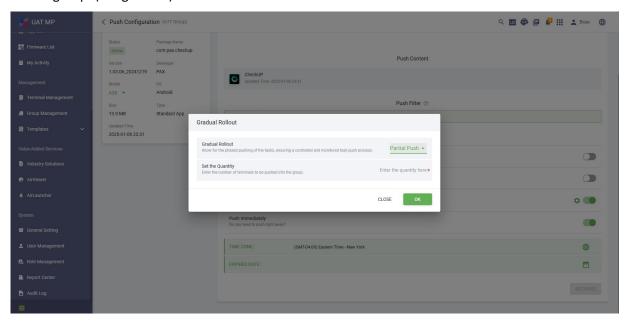


Image 2.2.3

Recurring Push: After selecting this mode, users need to configure the following items: (Image 2.2.4).

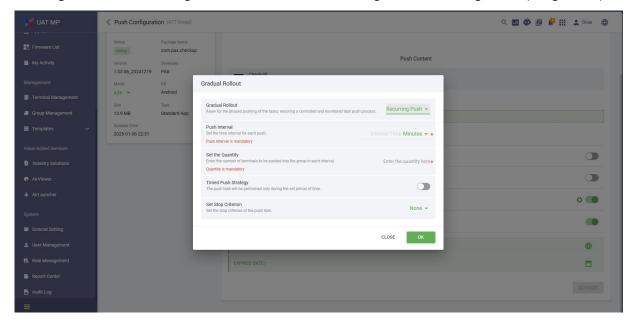


Image 2.2.4



 Push Interval: Set the time interval for each push. The task will be pushed round by round according to this time interval. Users can set the interval by minutes/ hours/days:

Minutes: 1-1440

Hours: 1-24Days: 1-30

- **Set the Quantity**: Enter the number of terminals to be pushed into the group in each interval.
- **Timed Push Strategy**: The push task will be performed only during the set period.
- (Image 2.2.5)

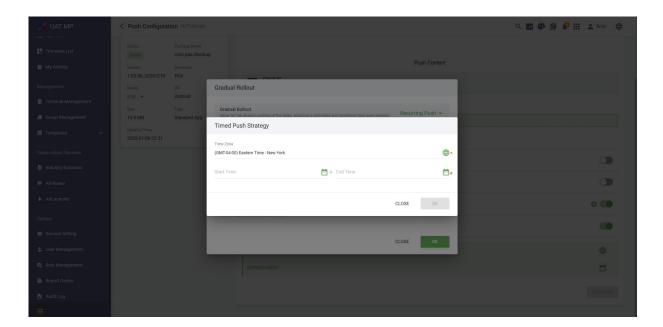


Image 2.2.5

- **Set Stop Criterion**: Set the stop criterion of the push task, the selections are as follows
 - None: There is no stop criterion by default.



Number of Terminals Pushed: The group push task will stop when the set Number of Terminals Pushed is reached; (Image 2.2.6)

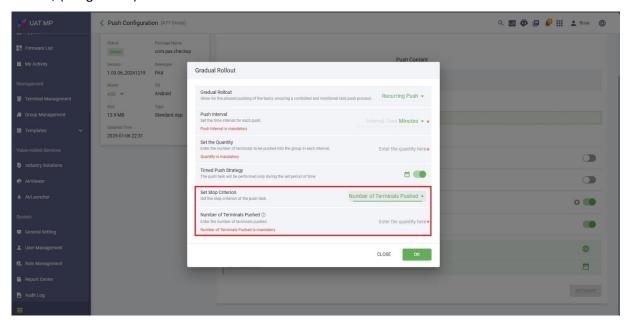


Image 2.2.6

Deadline of the Push Task: Set the deadline of the push task, the group push task will stop when the set deadline is reached. (Image 2.2.7).

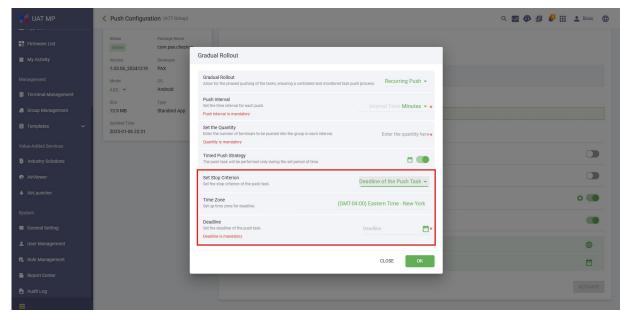


Image 2.2.7



Additionally, when the group push task is activated, users can click the edit button on the push details page to readjust the gradual rollout strategy or cancel the gradual rollout. (Image 2.2.8-2.2.9).

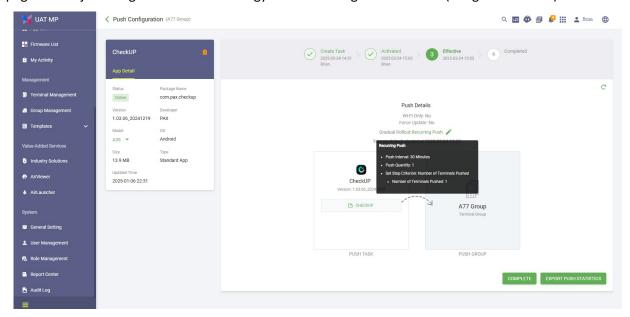


Image 2.2.8

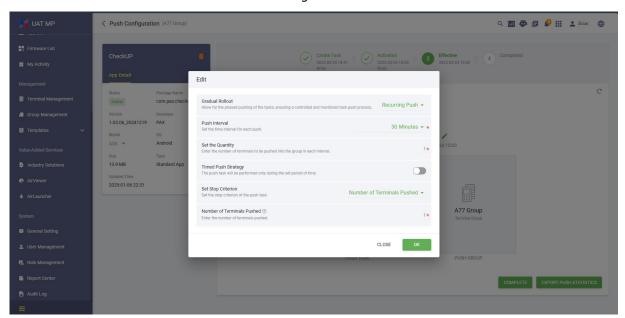


Image 2.2.9



3. Functionality Optimization

3.1 Alert Management

• Low Battery (Coin Battery): Added a new alert type "Low Battery (Coin Battery)", for Premium MP and Resellers. It will trigger an alert when the coin battery has 20% and 10% of its power level left, and at the same time, an alarm email will be sent to the user. (Image3.1.1-3.1.2).

Note: Currently only some models such as IM25 and IM28, have coin battery, other models may gradually support it in the future.

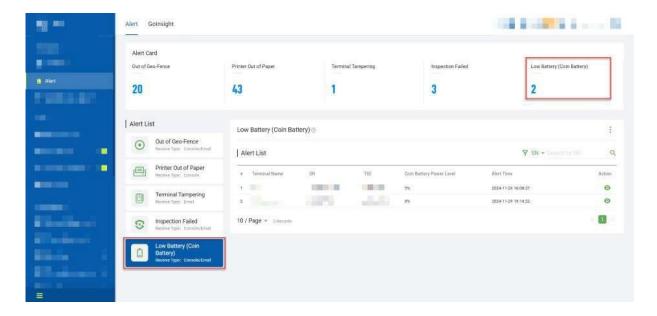


Image 3.1.1



Geo-Fence Alert: Added a new column "Alert Time" in the alert email of "Out of Geo-Fence", as well as the exported excel. (Image 3.1.6).

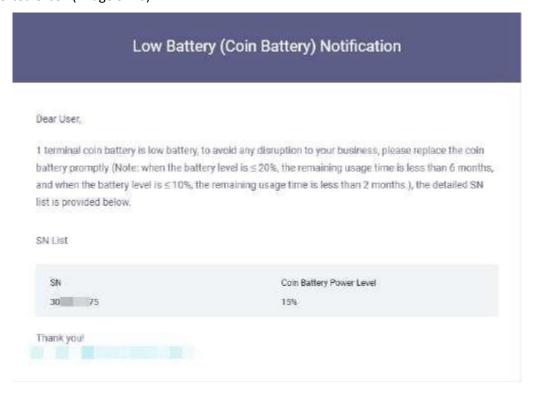


Image 3.1.2

• Added a new alert card "Low Battery (Coin Battery)", users can download the low battery (Coin Battery) terminals list. (Image 3.1.1 and 3.1.3).

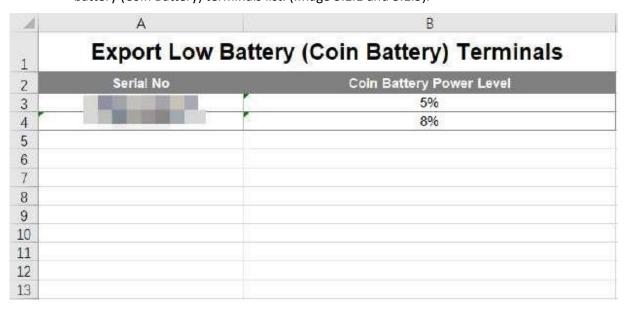


Image 3.1.3



• Added a new trigger "Low Battery (Coin Battery) in "General Setting" > "External System Integration" > "Webhook". (Image 3.1.4 - 3.1.5).

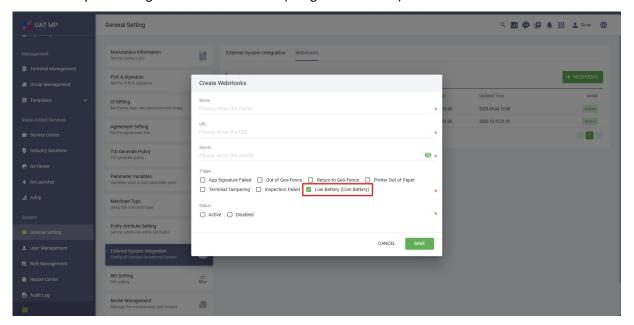


Image 3.1.4

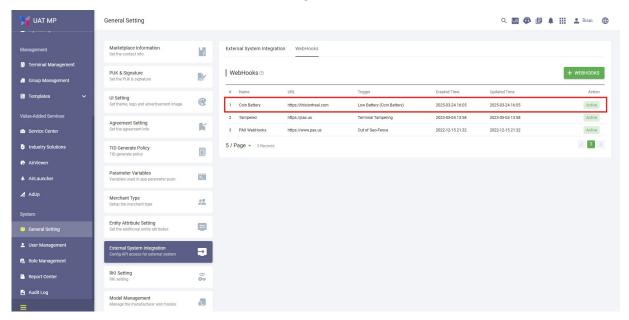


Image 3.1.5



Out of Geo-Fence Notification

Dear User,

100 terminal is out of the geo-fence, please check in time, the detailed SN list is provided below.

TIME ZONE: (GMT+08:00) China Standard Time - Shanghai

SN No	Alert Time	SN No	Alert Time
15526987974	2024-01-12 11:25	07488846550	2024-12-14-09:11
19585389370	2024-01-10 12:25	20907178890	2024-12-13 18:21
44806900736	2024-12-15 17:28	44610302316	2024-12-15 20:15
05187851409	2024-12-12 17:25	22401429478	2024-12-16 19:08
88425011330	2024-11-12 17:25	95639364251	2024-12-12 12-25

Image 3.1.6



3.2 Terminal Management

Added the ability to compare before-and-after values for modified items in the
 "Profile" this option is available for Premium MP Owners and Resellers. When
 the user clicks the "SAVE" button to save the changes in "Profile" page, it will pop
 up "Changes Preview" to show the comparison of before-and after values. Upon
 confirmation, users can click the "NEXT" button to confirm save. (Image3.2.1 3.2.2).

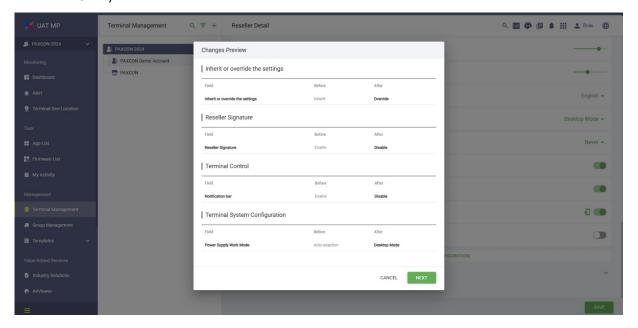


Image 3.2.1

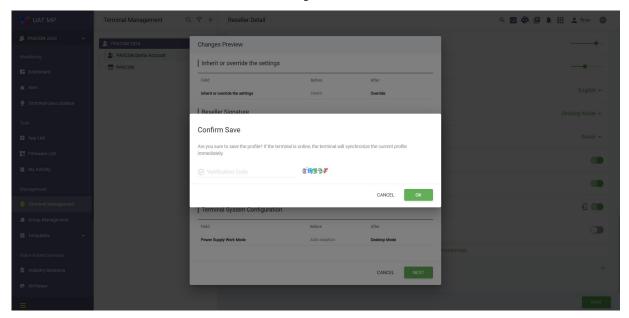


Image 3.2.2



 Added the online/offline time duration in the upper right corner of the "Terminal Details" page. (Image 3.2.6).

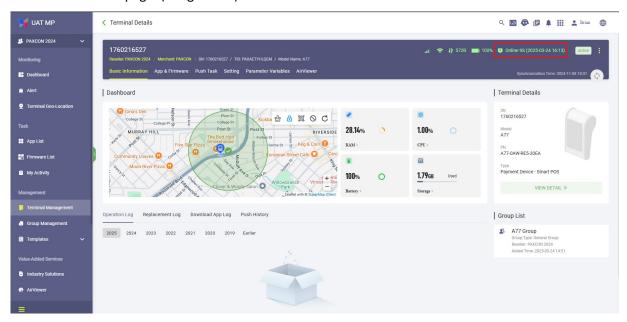


Image 3.2.6

 Optimized the terminal synchronization logic, when users click "Synchronize Terminal" button the terminal online/offline status will be updated in real time. (Image 3.2.7). The Optimized terminal synchronization logic is available for Premium Marketplace Owners and Resellers.

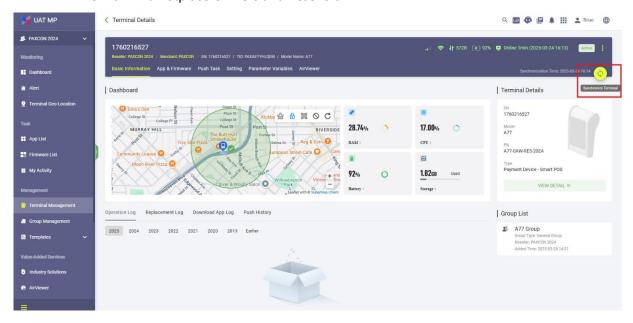


Image 3.2.7



Added a new item "Coin Battery" in the "Hardware List" of "Terminal Details"
page, it will show the power of the coin battery. (Image 3.2.8). With this feature it
is only certain models/firmware can report this and available for Premium
Marketplace Owners and Resellers.

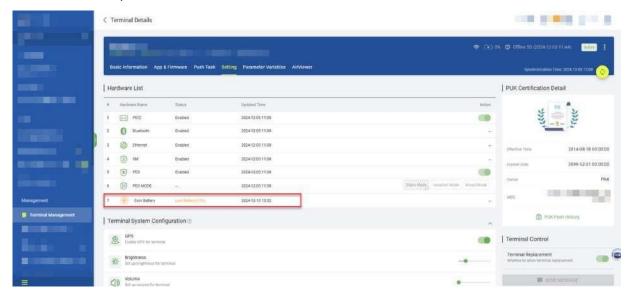


Image 3.2.8

3.3 App Management

• Supported uploading parameter template with the same name. After uploading, the previous template will be replace, it will not affect any existing tasks that use the previous template, and all tasks created in the future will use the new one. This feature is available on Premium Marketplace and Resellers. (Image 3.3.1).

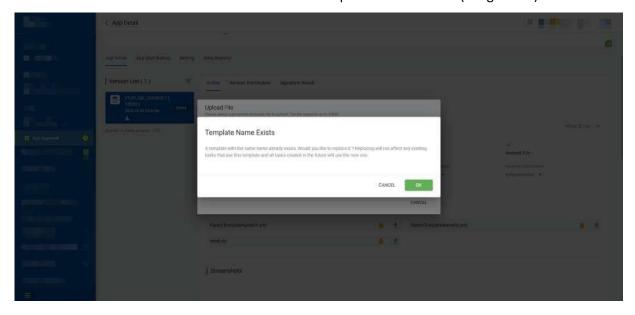


Image 3.3.1



3.4 Smart Assistant

• The smart assistant has added a top pinned mode. Users can click the "Pinned" icon at the top right corner of the smart assistant dialogue to pin it to the top of the page. (Image 3.4.1 and 3.4.2).

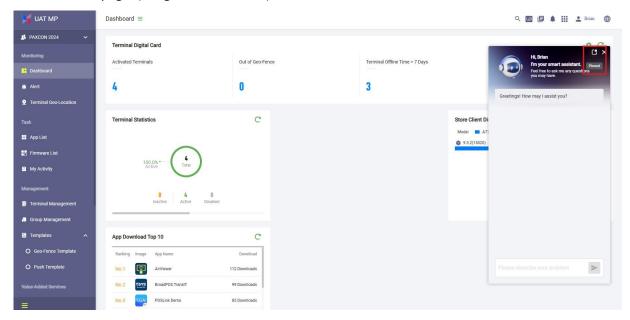


Image 3.4.1

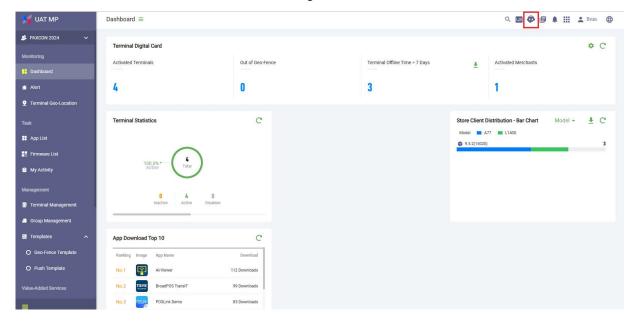
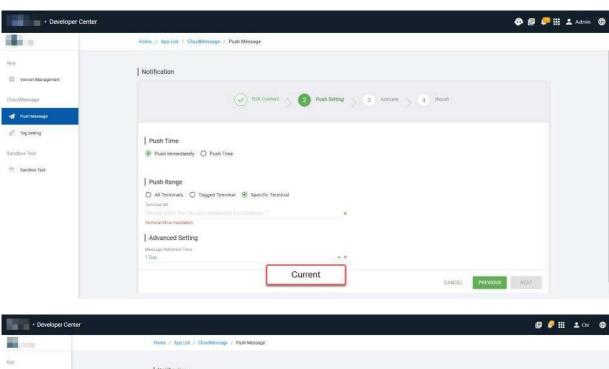


Image 3.4.2



3.5 Developer Center

- Developers using Cloud Message only. Cloud Message Push Setting page is reformed, and the setting items are divided into three parts: "Push Time", "Push Range" and "Advanced Setting". (Image 2.5.1).
 - Meanwhile, in the "Push Range" setting, a new item "Specific Terminal" has been added, which supports the functionality of sending messages to specific terminals based on their SNs.



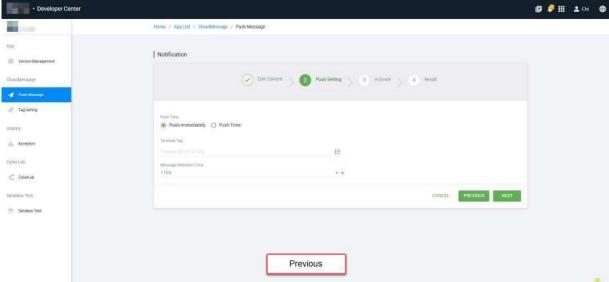


Image 3.5.1



 Besides, a tip has been added for the "Success/Total" column in the Cloud Message list, and improved user experience. (Image 3.5.2).

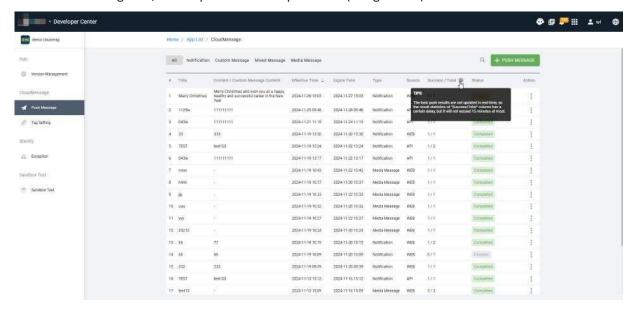


Image 3.5.2

Developers only can upload the attachment when editing the application.
 Additionally, this item is also displayed on the application details page. (Image 3.5.3 - 3.5.5).

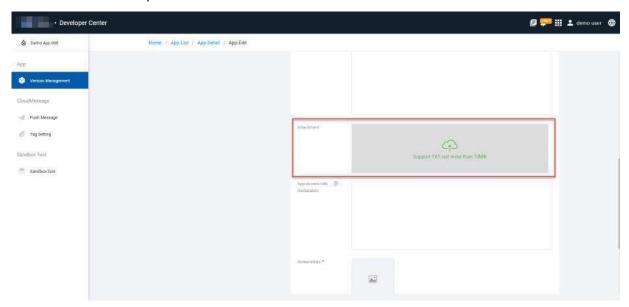


Image 3.5.3



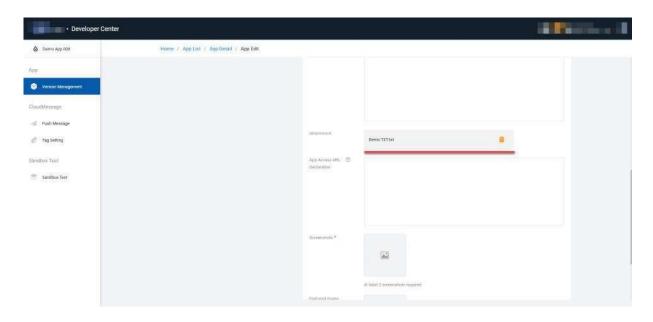


Image 3.5.4

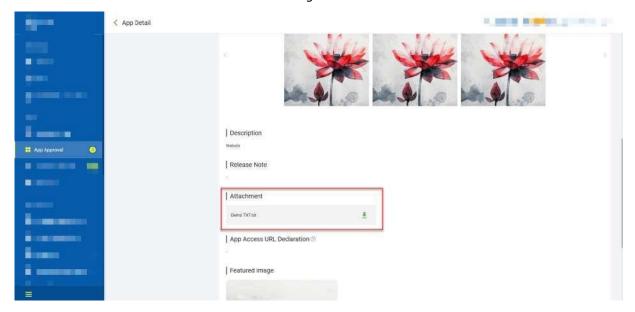


Image 3.5.5



3.6 Open API (Premium, API users only)

- **Search Terminal API**: Added the return fields "updated Date" and "lastAccessTime" in Search Terminal APIs. (Image 3.6.1).
 - public Result<TerminalDTO>searchTerminal(int pageNo, int pageSize, TerminalSearchOrderBy orderBy, TerminalStatus status, String snNameTID)
 - public Result<TerminalDTO> searchTerminal(int pageSize, String resellerName, String merchantName, TerminalSearchOrderBy orderBy, TerminalStatus status, String snNameTID)

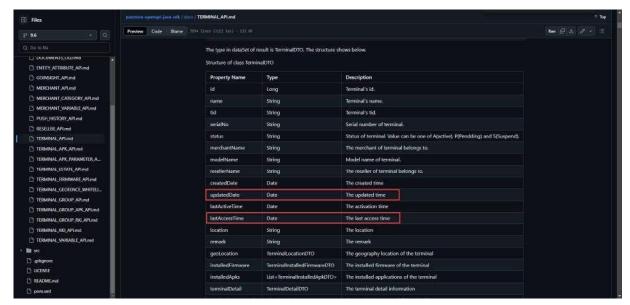


Image 3.6.1

Update Terminal Config API: Updated the updateTerminalConfigAPI, added 3 more parameters "terminalLanguageUpdateRequest","terminalWifiUpdateRequest", and "terminalApnUpdateRequest", supported to update the Language, WiFi, and APN configurations of terminal level trhough this API (Image 3.6.2).



 public Result<String> updateTerminalConfig(Long TerminalID, TerminalConfigUpdateRequest terminalConfigUpdateRequest)

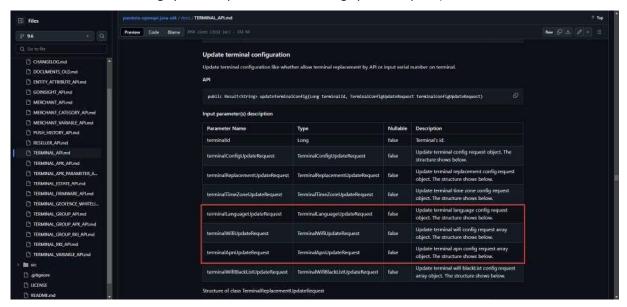


Image 3.6.2

- Added a series of APIs related to terminal logcat, supporting third-party systems to collect, search and download terminal logcat based on terminal SN or terminal ID.
 - Collect Terminal Log API: The collect terminal log APIs allows the third-party system collects terminal log by terminal SN or terminal ID. (Image 3.6.3 and 3.6.4)
 - publicResult<String>collectTerminalLog(Long terminalId, terminalLogRequest terminalLogRequest)
 - publicResult<String>collectTerminalLog(String serialNo, TerminalLogRequest terminalLogRequest)



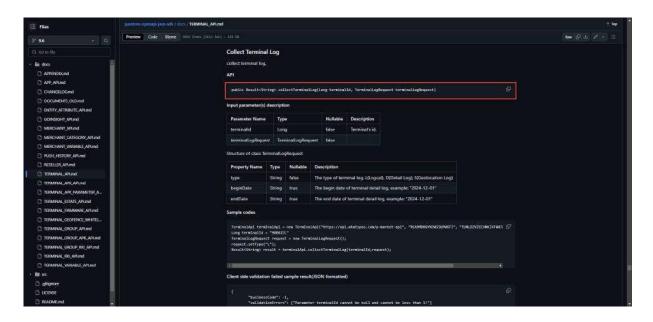


Image 3.6.3

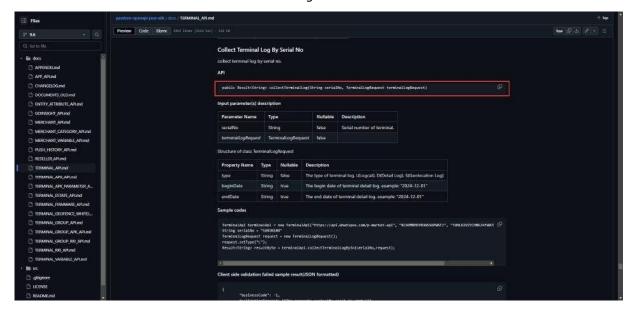


Image 3.6.4



- Search Terminal Log API: The search terminal log APIs allows the third party system searches terminal log by terminal SN or terminal ID. (Image 3.6.5 and 3.6.6).
 - public Result<TerminalLogDTO>searchTerminalLog(int pageNo, int pageSize, LongterminalID)
 - public Result<TerminalLogDTO>searchTerminalLog(int pageNo, int pageSize, StringserialNo)

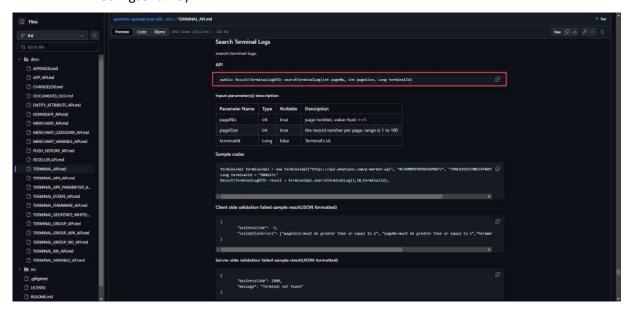


Image 3.6.5

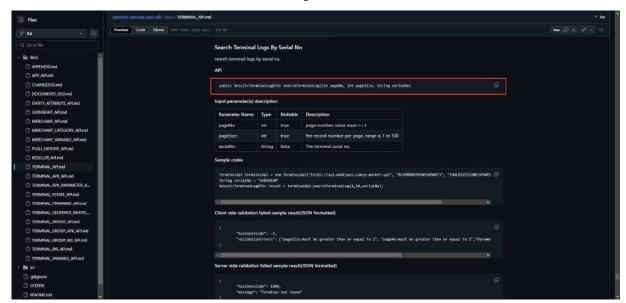


Image 3.6.6



- Get Terminal Log Download Task API: The get terminal log download task APIs
 allows the third party system gets terminal log download task by terminal SN or
 terminal ID. (Image 3.6.7 and 3.6.8).
 - public Result<DownloadTaskDTO> getTerminalLogDownloadTask(Long terminalId, Long terminalLogId)
 - public Result<DownloadTaskDTO> getTerminalLogDownloadTaskBySn(String serialNo, LongterminalLogId)

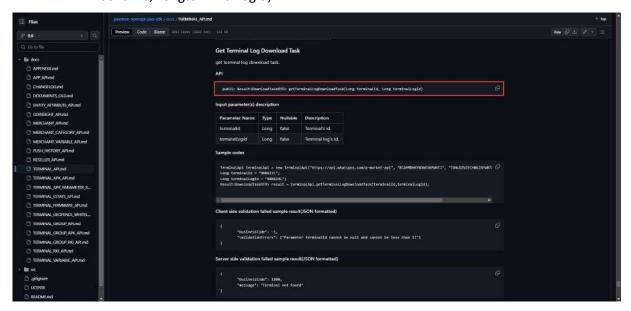


Image 3.6.7

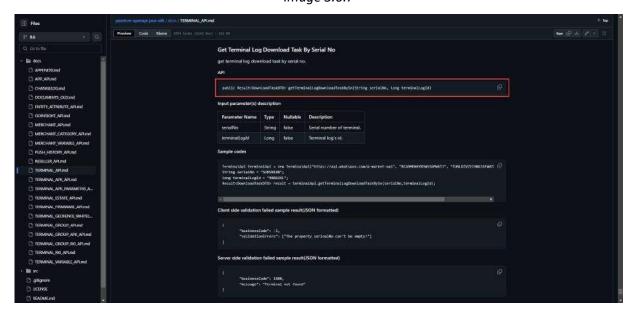


Image 3.6.8



- **Push Terminal Message API**: Added push terminal message APIs, which allows the third party system to push the terminal messages by terminal SN or terminal ID. (Image 3.6.9 and 3.6.10).
 - public Result<String> pushTerminalMessage(Long terminalId, TerminalMessageRequest)
 - public Result<String> pushTerminalMessageBySn(Long terminalId, TerminalMessageRequest)

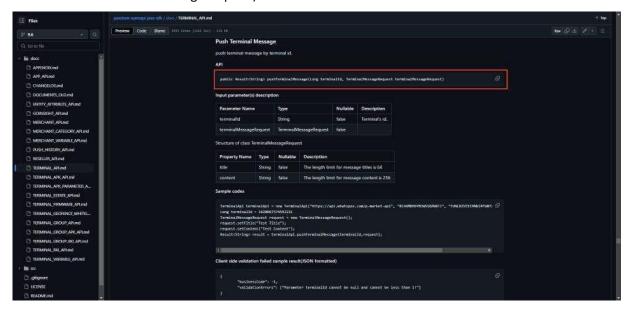


Image 3.6.9

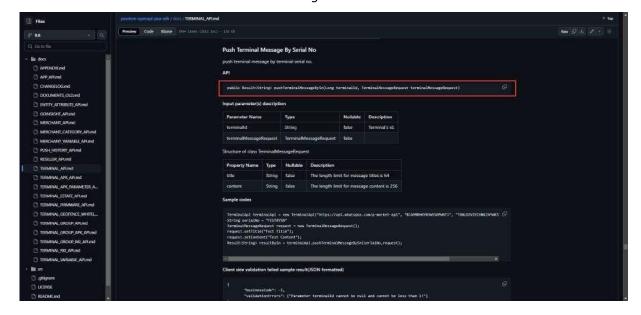


Image 3.6.10



- Get Terminal System Usage API: Added get terminal system usage APIs, which
 allows the third party system to get the terminal CPU, RAM, Storage Usage
 information by terminal SN or terminal ID. (image 3.6.11 and 3.6.12).
 - public Result<TerminalSystemUsageDTO> getTerminalSystemUsageById(Long terminalId)
 - public Result<TerminalSystemUsageDTO> getTerminalSystemUsageBySn(String serialNo)

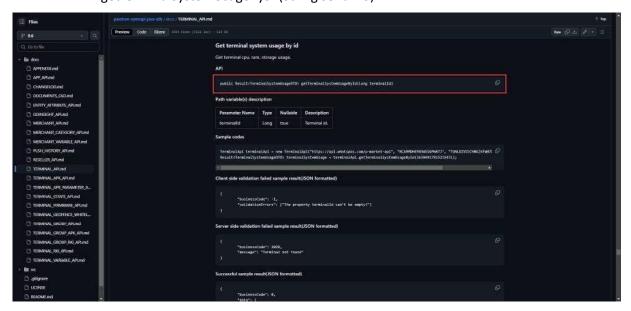


Image 3.6.11

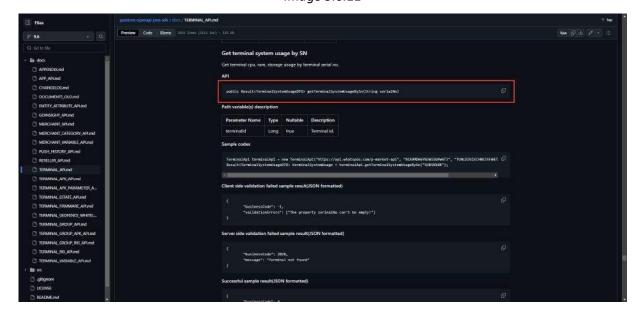
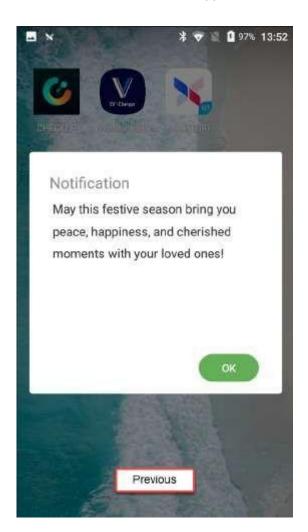


Image 3.6.12



3.7 Store Client

• Optimized the style of messages received by the terminal. (Image 3.7.1) This feature is available for Applicable to Premium MP Users and Resellers.



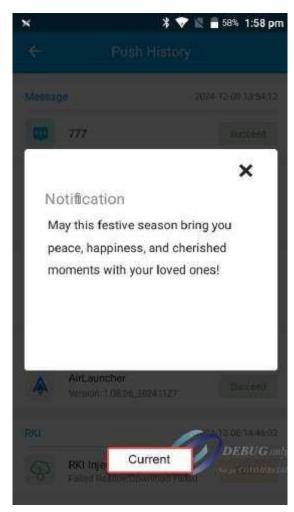


Image 3.7.1



Added a new item "Coin Battery" in the "Hardware Status". (Image 3.7.2).

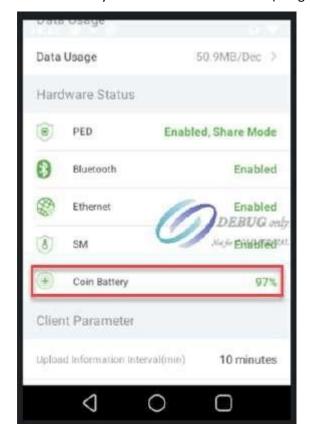


Image 3.7.2



• If the terminal has firmware to update, added the loading state back when the terminal is restarted. (Image 3.7.3).



Image 3.7.3

- Uploaded the power level of the coin battery.
- Added display for location fence on Client.
- Support gets ICCID of dual SIM cards.



3.8 Call Operation Control

- Terminal detail page
- Group detail page
- Merchant detail page
- General setting page
- Export/import variables
- Added a new operation control "Parameter Variables" to allow user to view and edit variables in following pages and functions: (Image 3.8.1)

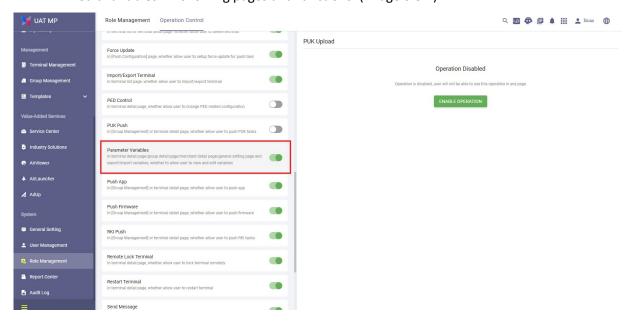


Image 3.8.1



Applicable to Premium MP Owners only

4. PASSWORD ENHANCEMENTS

Password Enhancement

• Enhanced by updating the Password reset process and Language." password change logic after the password expired, added email authentication. (Image 4.0.1 - 4.0.2).

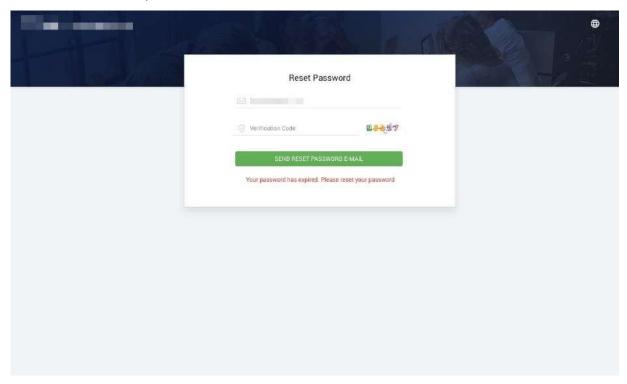


Image 4.0.1



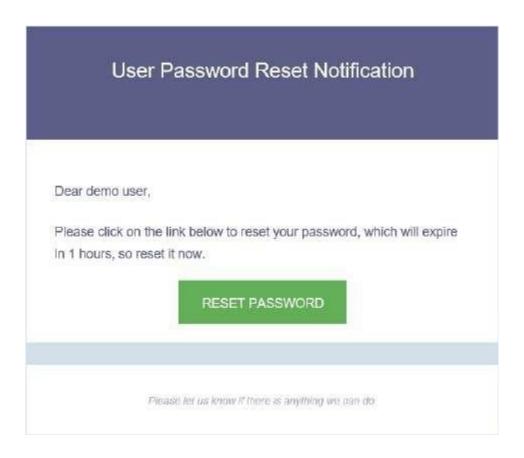


Image 4.0.2



 Added new columns "Product Type", "Product Subtype", "Terminal Auto-lock", and "Ignore Geo-fence" in "Terminal Info Report". (Image 4.0.3). This feature is Applicable to Premium MP Owners Only.

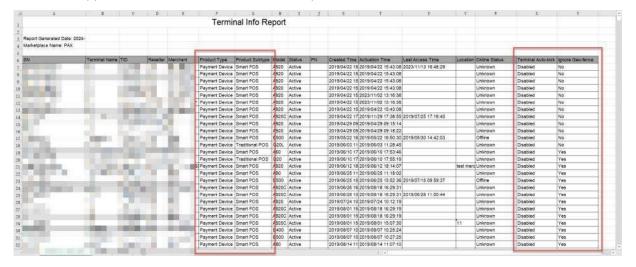


Image 4.0.3

 Optimized report generation strategy. If a report remains in the running state for more than 24 hours, a "CANCEL" button will be provided, allowing users to manually cancel the report. (Image 4.0.4). This feature is available to Premium Marketplace Owners.

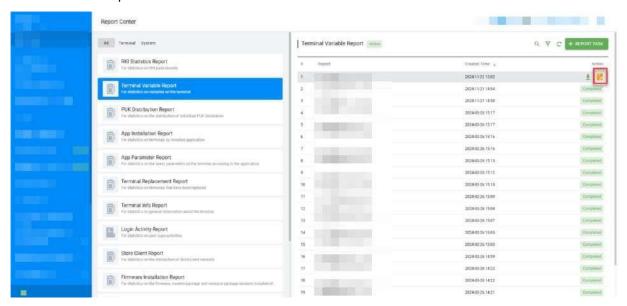


Image 4.0.4



Added a new column "Failed Reason" in "RKI Statistics Report". (Image 4.0.5).
 This feature is available to Premium Marketplace Owners.

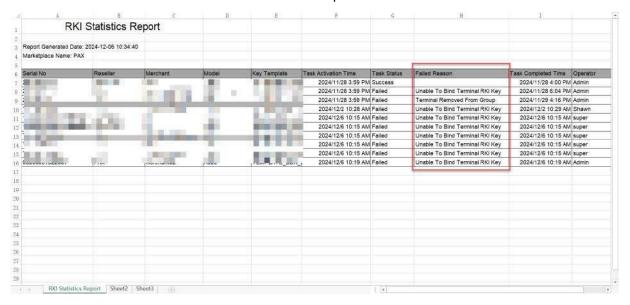


Image 4.0.5

 Added the email and notification when the marketplace administrators unsubscribe the value-added services. (Image 4.0.6). This feature is available to Premium Marketplace Owners.

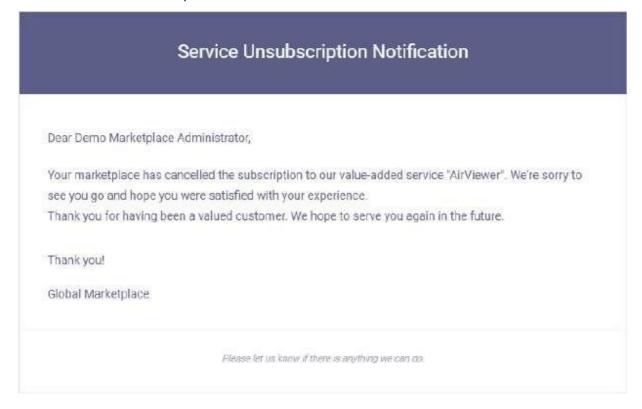


Image 4.0.6



- Optimized the logic for displaying terminals on the map in "Terminal Geo-Location", now does not show coordinates of the terminals that have been offline for more than 1 year. (Image 4.0.7). This feature is available to Premium Marketplace Owners and Resellers.
- Added a new code configuration "Currency" in Global "Global Configuration" "Code Configurations".

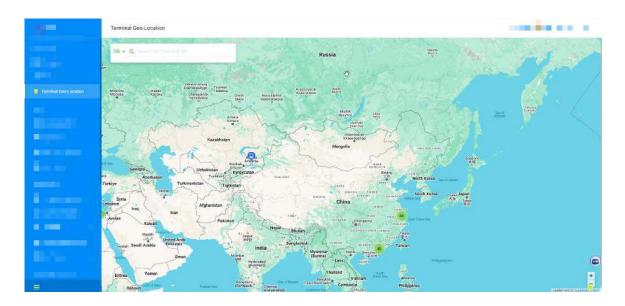


Image 4.0.7



Customer Support

For questions or help with the PAXSTORE please contact your service provider or PAX customer support.

Monday-Friday 9:00 AM to 1:00 AM EDT Saturday 9:00 AM to 5:00 PM EDT Sunday Closed Hours Subject to Change

Contact Information support@pax.us (877) 859-0099 www.pax.us

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