

PAXSTORE  
NORTH AMERICA

## **PAXSTORE North American Group**

### **9.4 Release Notes - Premium Marketplace Owners**

09-12-2024

V1.0

## Preface

Copyright © 2024 PAX Technology, Inc. All rights reserved.

The Programs (which include both the software and documentation) contain proprietary information; they are provided under a license agreement containing restrictions on use and disclosure and are also protected by copyright, patent, and other intellectual and industrial property laws. Reverse engineering, disassembly, or decompiling of the Programs, except to the extent required to obtain interoperability with other independently created software or as specified by law, is prohibited.

This document is provided for informational purposes only. All features and specifications are subject to change without notice. If there are any problems in the documentation, please report them to PAX in writing. This document is not warranted to be error-free. Except as may be expressly permitted in the license agreement for these Programs, no part of these Programs may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose.

Security Notice: No part of this publication may be copied, distributed, stored in a retrieval system, translated into any human or computer language, transmitted, in any form or by any means, without the prior written consent of PAX Technology, Inc.

PAX is a registered trademark of PAX Technology Limited in China and/or other countries. All other trademarks or brand names are the properties of their respective holders. PAX, PAXBiz, PAXSTORE, POSDK, The PAX Portfolio Manager, and/or other PAX products referenced herein are trademarks or registered trademarks of PAX Technology, Inc., or its Affiliates. Other product and company names mentioned herein may be trademarks of their respective owners.

The *Bluetooth*® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc., and any use of such marks by PAX Technology, Inc. is under license. Other trademarks and trade names are those of their respective owners.

EMV® is a registered trademark in the U.S. and other countries and an unregistered trademark elsewhere. The EMV trademark is owned by EMVCo, LLC.

Android is a trademark of Google LLC.

## TECHNICAL SUPPORT

If you encounter a problem installing, registering, or operating this product, please review the documentation. If you are unable to resolve the issue, please contact PAX. The level of access to this Service is determined by the support plan arrangements made between PAX and the Organization. Please consult this support plan for further information about entitlements, including the hours when telephone support is available.

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

## TECHNICAL SUPPORT CONTACT INFORMATION

Phone: (877) 859-0099

Email: [support@pax.us](mailto:support@pax.us)

URL: [www.pax.us](http://www.pax.us)

## Revision History

Date	Version	Description
09-12-2024	v1.0	<ul style="list-style-type: none"><li>Initial release</li></ul>

## Table of Contents

<b>1. Introduction</b>	<b>1</b>
1.1 Purpose	1
1.2 Intended Audience	1
1.3 Acronyms and Terms	1
<b>2. New Features</b>	<b>3</b>
2.1 Terminal Management	3
2.1.1 Device Cards for Product Types	3
2.1.2 Device Cards:	3
2.1.3 Profile Configuration	6
2.1.4 Configure Dedicated Profiles for Product Types	6
2.1.5 Reseller Detail Page	8
2.1.6 Traditional Terminal Interface	9
2.1.7 Changes to the Basic Information Tab.	9
2.1.8 New Setting Tab	11
2.1.9 Type Field	12
2.1.10 AirViewer	12
2.2 Smart Assistant	15
2.3 Group Management	18
2.3.1 Partial Push	18
2.3.2 Before and After Installed	20
2.3.3 Version Information and Application Type	21
2.4 Templates	22
2.4.1 Image Cropping	22
2.5 General Setting	24
2.5.1 Whitelist IP Address Ranges	24
2.5.2 Return to Geo-Fence	25
2.5.3 Out of Geo-Fence Alert Email	26
2.6 AirLauncher	30
2.6.1 Flashlight	30
2.6.2 Kiosk Mode	31
2.7 Role Management	32
2.7.1 Delete Terminal	32
2.8 Report Center	33
2.8.1 Reports With Schedule Export	33
2.8.2 Update Time Column in the Firmware Installation Report	35
2.9 Developers	36
2.9.1 Developer Integration Automation	36
2.9.2 Developer APIs	36
2.9.3 Developer SDK Access	42
2.9.4 Enable Developer for SDK Access	42
2.10 Account Self-Activation	43
2.11 Personal Center	46
2.11.1 Agreement List	46
2.12 API	47
2.12.1 Get Terminal API	47
2.12.2 Update Terminal API	48
2.12.3 Copy Terminal API	49
2.12.4 Activate Terminal API	50
2.12.5 Disable Terminal API	50
2.12.6 Move Terminal API	51

## Table of Contents

2.12.7 Delete Terminal API .....	52
2.12.8 Batch Add Terminal to Group API .....	53
2.12.9 Update Terminal Configuration API .....	54
2.12.10 Get Terminal Configuration API .....	55
2.12.11 Get Terminal PED API .....	56
2.12.12 Move Terminal API .....	57
2.12.13 Push Command to Terminal API .....	58
<b>3. Enhancements .....</b>	<b>59</b>
3.1 Terminal Management .....	59
3.1.1 Mass Import Operation Logs .....	59
3.1.2 Audit Logs .....	60
3.1.3 Synchronized Terminal Button .....	61
3.2 Group Management .....	62
3.2.1 Push Task Error Message .....	62
3.3 Templates .....	63
3.3.1 Display Order of Parameter Files .....	63
3.4 AirLauncher .....	64
3.4.1 Language Bar .....	64
3.5 APK .....	65
3.5.1 APK Signature Scheme .....	65
3.6 Report Center .....	66
3.6.1 Removed Output Format Filter .....	66
3.7 Personal Center .....	67
3.7.1 User Account Suspension Email .....	67
<b>4. Customer Support .....</b>	<b>68</b>

## 1. Introduction

### An 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 9.4 information.

### 1.1 Purpose

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

### 1.2 Intended Audience

- Premium Marketplace Owners
- Resellers
- PAX Help Desk

### 1.3 Acronyms and Terms

Acronym and Terms	Definition
PAXSTORE North American Group	<p>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 them into a powerful business tools to boost in-store sales, improve the shopping experience and increase customer loyalty.</p> <p>From now on, this document will be referred to as PAXSTORE.</p>
Quail	A PAX developer portal containing a repository of SDKs to support PAX-related products and third-party solutions.
SmartLanding SDK	SmartLanding is an SDK that allows traditional terminals to seamlessly connect the PAXSTORE platform and be managed like the intelligent terminals and benefit from the platform.
SDK	Software development kit (SDK): SDKs provide APIs and libraries to connect to cloud storage services, or to access cloud computing services such as databases, analytics, or machine learning.

Acronym and Terms	Definition
WCAG	The WCAG has web design guidelines. The guidelines are organized under four principles: perceivable, operable, understandable, and robust.
POS	Point of Sale device or software
KDS	Kitchen Display System (KDS) is a digital order viewer that replaces printed or handwritten orders in kitchens.
OEM	Original Equipment Manufacture

## 2. New Features

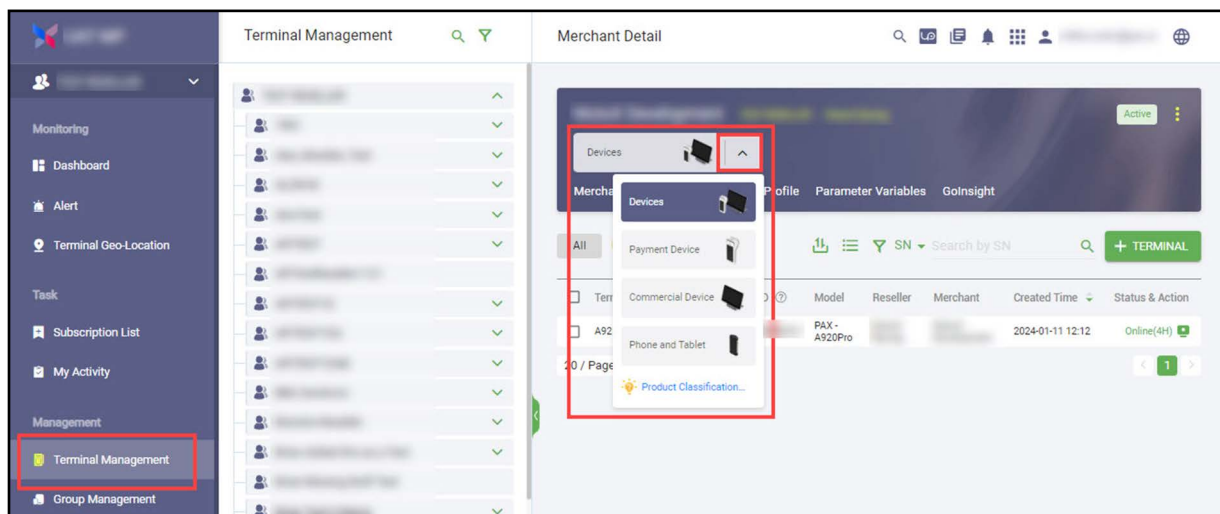
The new features section includes new features added to the PAXSTORE in this release.

### 2.1 Terminal Management

#### 2.1.1 Device Cards for Product Types

A new feature for the Premium Marketplace Owners and Resellers is the Device Cards. The Device Cards allow users to filter the devices. Selecting one of the product types, filters the results based on the selection.

Select: **[Terminal Management] > [Reseller] > [Terminal List] > [Devices Drop Down Arrow]**.



#### 2.1.2 Device Cards:

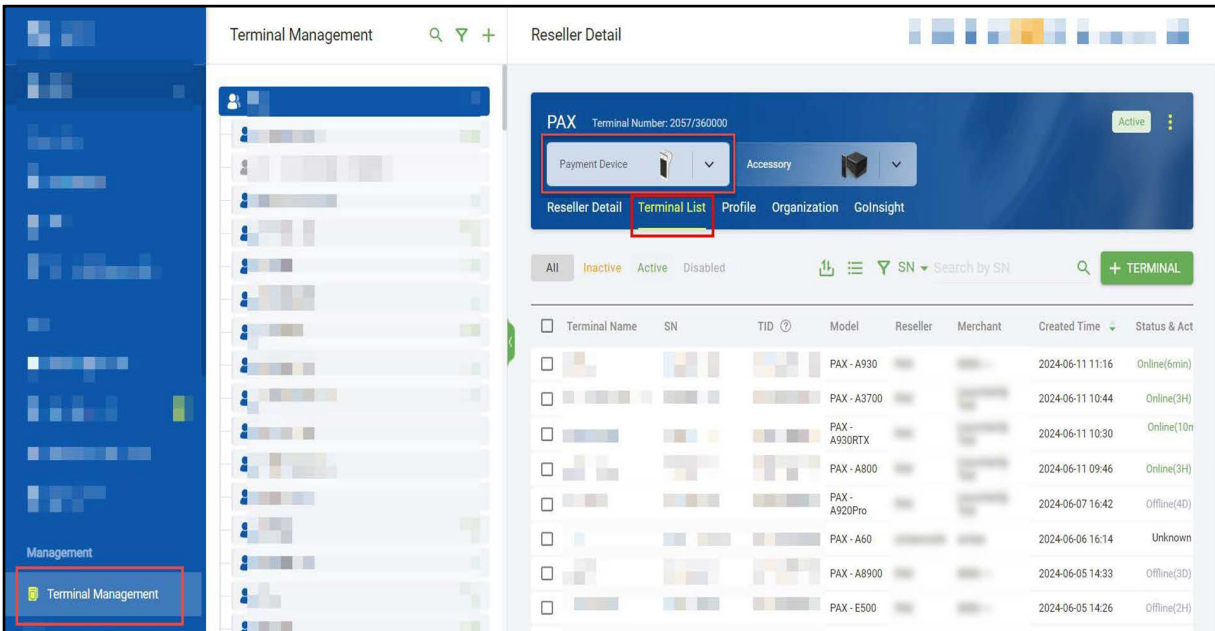
- **Devices** - Printer, and Scanner
- **Payment Device** - Smart, and Traditional POS
- **Commercial Device** - Desktop, Mobile, and KDS Devices
- **Phone and Tablet** - Standard Android and Android OEM Devices



### 2.1.2.1 Payment Device Card

A new feature for the Premium Marketplace Owners and Resellers is the Payment Device Card that displays Smart and Traditional POS devices.

Select: **[Terminal Management]** > **[Terminal List]** > **[Payment Device]**.



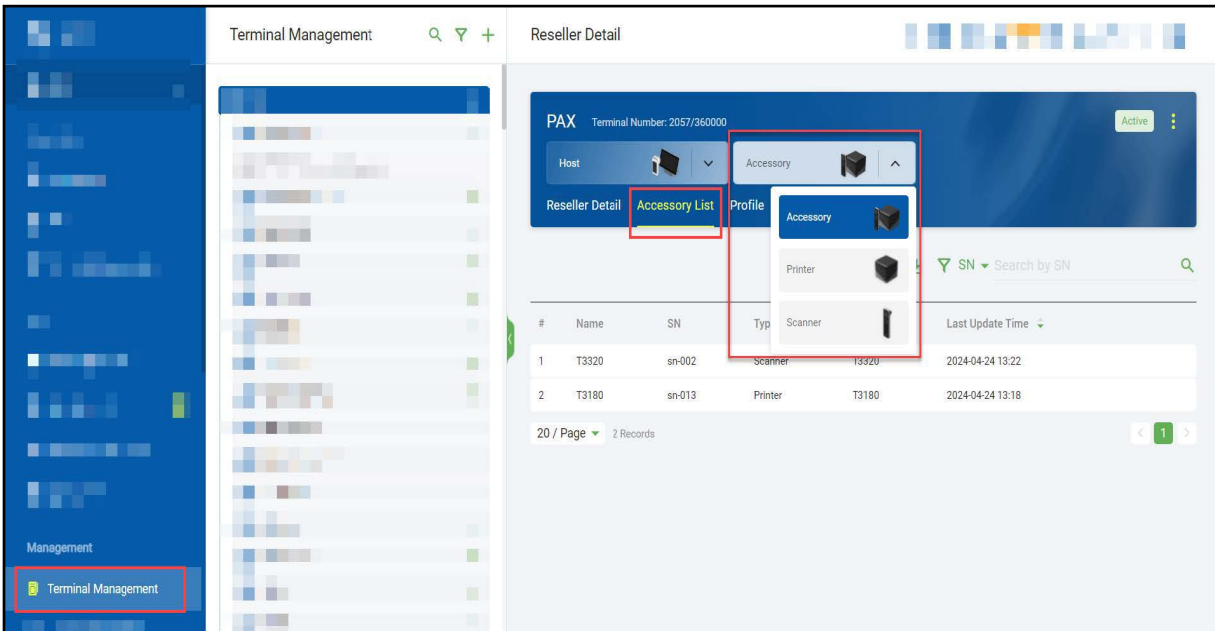
The screenshot displays the PAXSTORE interface. On the left, the 'Terminal Management' menu is visible, with 'Terminal Management' highlighted. The main area shows the 'Reseller Detail' page for 'PAX' with Terminal Number 2057/360000. The 'Payment Device' card is highlighted, showing a list of terminals. The table below lists the terminals:

<input type="checkbox"/>	Terminal Name	SN	TID	Model	Reseller	Merchant	Created Time	Status & Act
<input type="checkbox"/>				PAX - A930			2024-06-11 11:16	Online(5min)
<input type="checkbox"/>				PAX - A3700			2024-06-11 10:44	Online(3H)
<input type="checkbox"/>				PAX - A930RTX			2024-06-11 10:30	Online(10m)
<input type="checkbox"/>				PAX - A800			2024-06-11 09:46	Online(3H)
<input type="checkbox"/>				PAX - A920Pro			2024-06-07 16:42	Offline(4D)
<input type="checkbox"/>				PAX - A60			2024-06-06 16:14	Unknown
<input type="checkbox"/>				PAX - A8900			2024-06-05 14:33	Offline(3D)
<input type="checkbox"/>				PAX - E500			2024-06-05 14:26	Offline(2H)

### 2.1.2.2 Accessory Device Card

A new feature for the Premium Marketplace Owners and Resellers is the original Scanner and Printer card is merged into the new the Accessory device card.

Select: **[Terminal Management]** > **[Accessory List]** > **[Accessory]**.

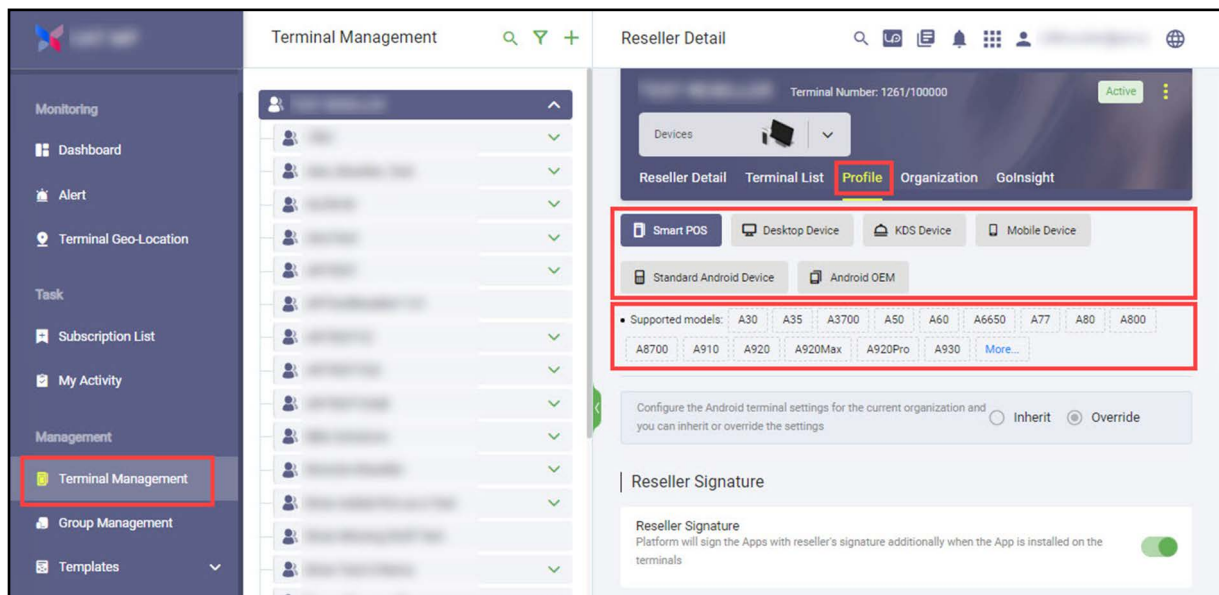


### 2.1.3 Profile Configuration

A new feature for the Premium Marketplace Owner and Reseller, is users will be able to configure each device separately. The different device types require different configurations. Each product subtype now has a corresponding Profile.

1. Added product type tabs under the Profile page.
2. Added the display called “Support Models,” users now can quickly understand which models the profile can be applied to.

Select: **[Terminal Management] > [Profile] > [Smart POS]**.

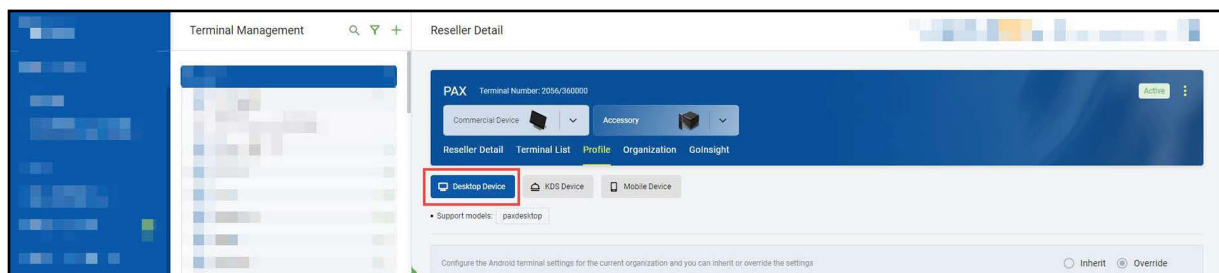


### 2.0.1 Configure Dedicated Profiles for Product Types

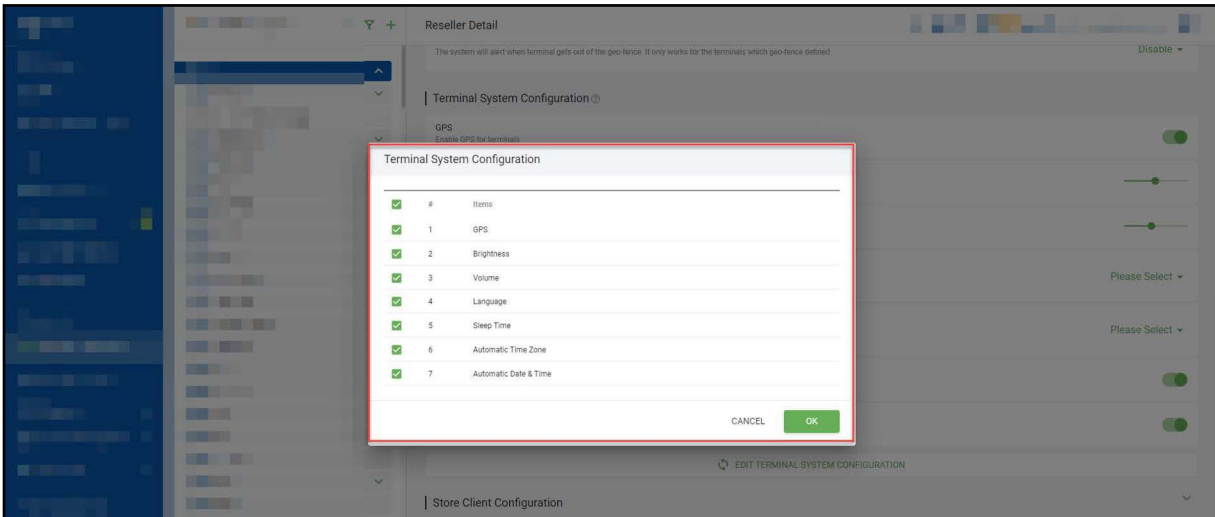
A new feature for the Premium Marketplace Owners and Resellers is a defined and dedicated profile for each product type. Users can now configure dedicated profiles for different product types, making it very clear and enabling precise management.

Set the profile for “Desktop Device” as an example:

Select: **[Terminal Management] > [Reseller] > [Profile] > [Desktop Device]**.



After selecting Desktop Device, the Terminal System Configuration pop-up window displays. In this page the user can configure settings for the device. Select **[OK]** to save settings.



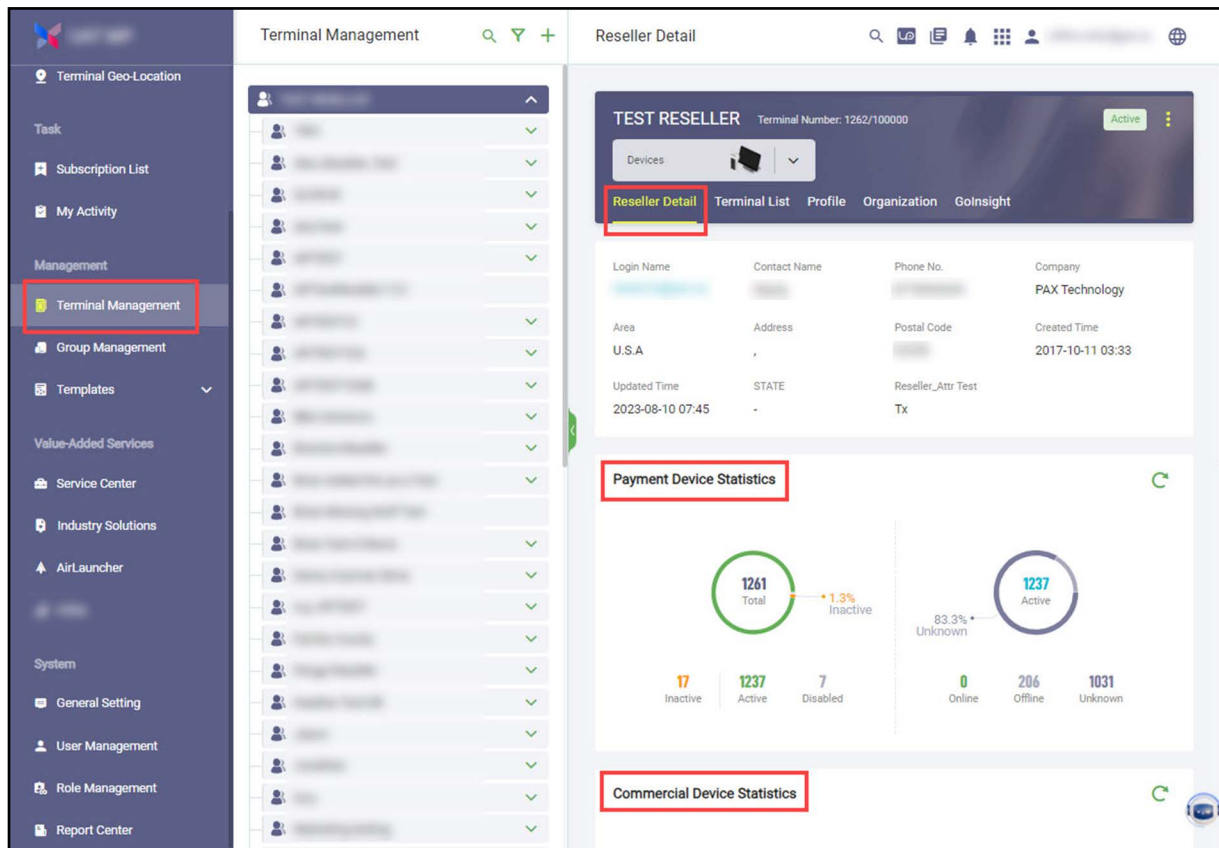
## 2.0.2 Reseller Detail Page

A new feature for the Premium Marketplace Owners and Resellers is in the Reseller Detail Page and added three new statistics charts. The new charts include Payment Device Statistics, Commercial Device Statistics and Phone and Tablet Statistics. The Terminal Statistics chart has been removed.

### Note:

- Management of commercial devices is disabled by default. All page displays will remain unchanged for existing customers with enabled payment device management.
- If you need to enable commercial device management, please contact the platform support team.

Select: **[Terminal Management] > [Reseller] > [Reseller Detail]** > Payment Device Statistics > Commercial Device Statistics > Phone and Tablet Statistics.



The screenshot shows the PAXSTORE Reseller Detail Page. The sidebar on the left has 'Terminal Management' selected. The main content area displays 'TEST RESELLER' details, including a table of statistics and two charts: 'Payment Device Statistics' and 'Commercial Device Statistics'.

Login Name	Contact Name	Phone No.	Company
			PAX Technology

Area	Address	Postal Code	Created Time
U.S.A			2017-10-11 03:33

Updated Time	STATE	Reseller_Attr Test
2023-08-10 07:45	-	Tx

**Payment Device Statistics**

1261 Total, 1.3% Inactive

1237 Active, 83.3% Unknown

17 Inactive, 1237 Active, 7 Disabled

0 Online, 206 Offline, 1031 Unknown

**Commercial Device Statistics**

## 2.0.3 Traditional Terminal Interface

A new feature for the Reseller is the SmartLanding SDK that will collect and send detailed information such as device Part Number, Screen Resolution, Language, CPU, RAM, etc., and it supports additional functionalities such as configuring brightness, volume, language, etc. for traditional terminals.

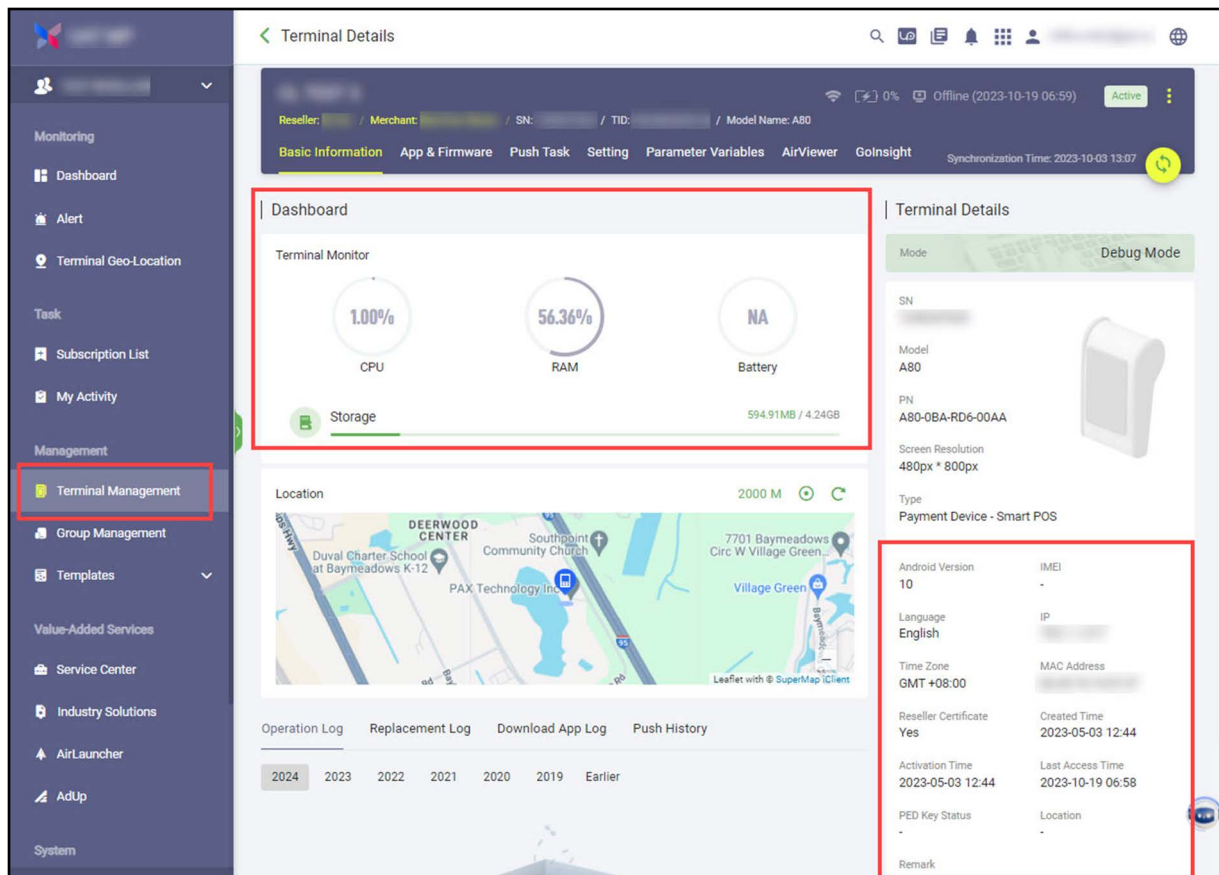
As a result, the traditional terminal details page is enhanced to incorporate these new functionalities and displays additional data from the terminals.

## 2.0.4 Changes to the Basic Information Tab.

- Added a Dashboard.
- Added more information to the Terminal Details section.
- Removed the **Hardware List** and **PUK Certification Detail** sections.

Select: **[Terminal Management]** > **[Reseller]** > **[Terminal]** > **[Basic information]** > Dashboard > Terminal Details > **[VIEW DETAIL]**.

**Current**



The screenshot displays the 'Terminal Details' page in the PAXSTORE interface. The left sidebar shows the navigation menu with 'Terminal Management' highlighted. The main content area is divided into two sections: 'Dashboard' and 'Terminal Details'.

**Dashboard:**

- Terminal Monitor:** Displays three circular gauges for CPU (1.00%), RAM (56.36%), and Battery (NA).
- Storage:** A progress bar showing 594.91MB / 4.24GB.
- Location:** A map showing the terminal's location near 'DEERWOOD CENTER' and 'Southpoint Community Church'.
- Log Section:** Includes tabs for 'Operation Log', 'Replacement Log', 'Download App Log', and 'Push History'. A year selector shows '2024' as the current selection.

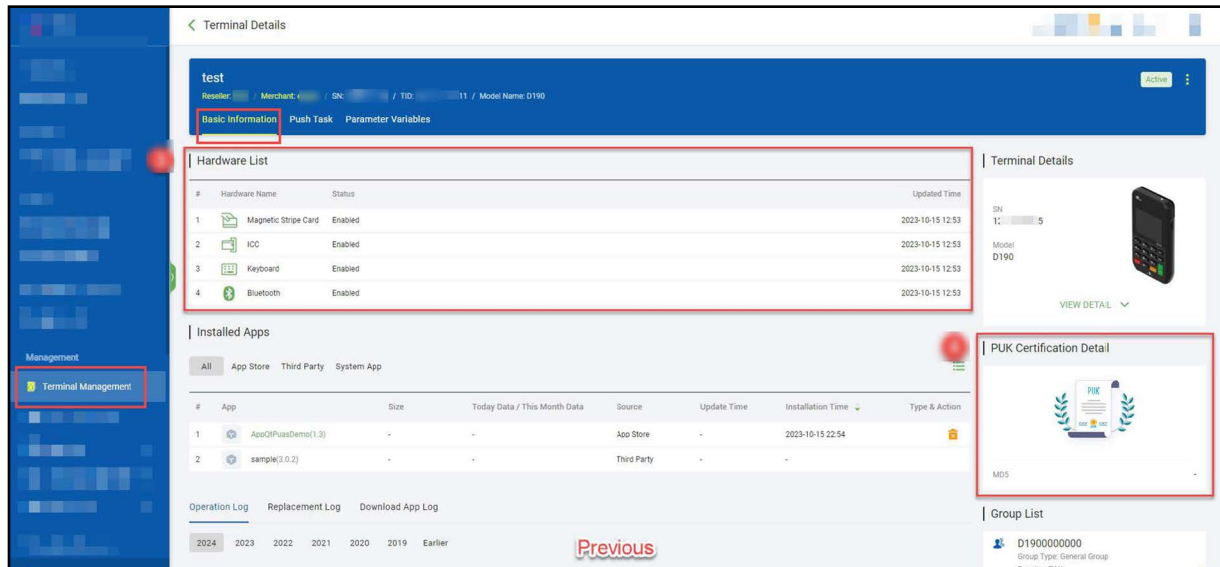
**Terminal Details:**

- Mode:** Debug Mode
- SN:** [Redacted]
- Model:** A80
- PN:** A80-0BA-RD6-00AA
- Screen Resolution:** 480px \* 800px
- Type:** Payment Device - Smart POS
- Android Version:** 10
- Language:** English
- IMEI:** [Redacted]
- IP:** [Redacted]
- Time Zone:** GMT+08:00
- MAC Address:** [Redacted]
- Reseller Certificate:** Yes
- Created Time:** 2023-05-03 12:44
- Activation Time:** 2023-05-03 12:44
- Last Access Time:** 2023-10-19 06:58
- PED Key Status:** -
- Location:** -
- Remark:** -

## Previous

Removed the **Hardware List** and **PUK Certification Detail** sections.

Select: **[Terminal Management]** > **[Reseller]** > **[Terminal]** > **[Basic Information]** > Hardware List > PUK Certification Detail.



The screenshot displays the 'Terminal Details' page for a terminal named 'test'. The page is divided into several sections:

- Basic Information:** A tab at the top left, highlighted with a red box. It shows fields for Reseller, Merchant, SN, TID, and Model Name (D190).
- Hardware List:** A table listing hardware components, highlighted with a red box. The table has columns for #, Hardware Name, Status, and Updated Time.
- Installed Apps:** A table listing installed applications, with tabs for All, App Store, Third Party, and System App. It has columns for #, App, Size, Today Data / This Month Data, Source, Update Time, Installation Time, and Type & Action.
- Terminal Details:** A section on the right showing terminal information like SN, IC, and Model, along with a 'VIEW DETAIL' button.
- PUK Certification Detail:** A section on the right showing a PUK certification icon and a 'MD5' field, highlighted with a red box.
- Group List:** A section at the bottom right showing a group list with a 'Group' field.

The 'Previous' logo is visible at the bottom center of the screenshot.

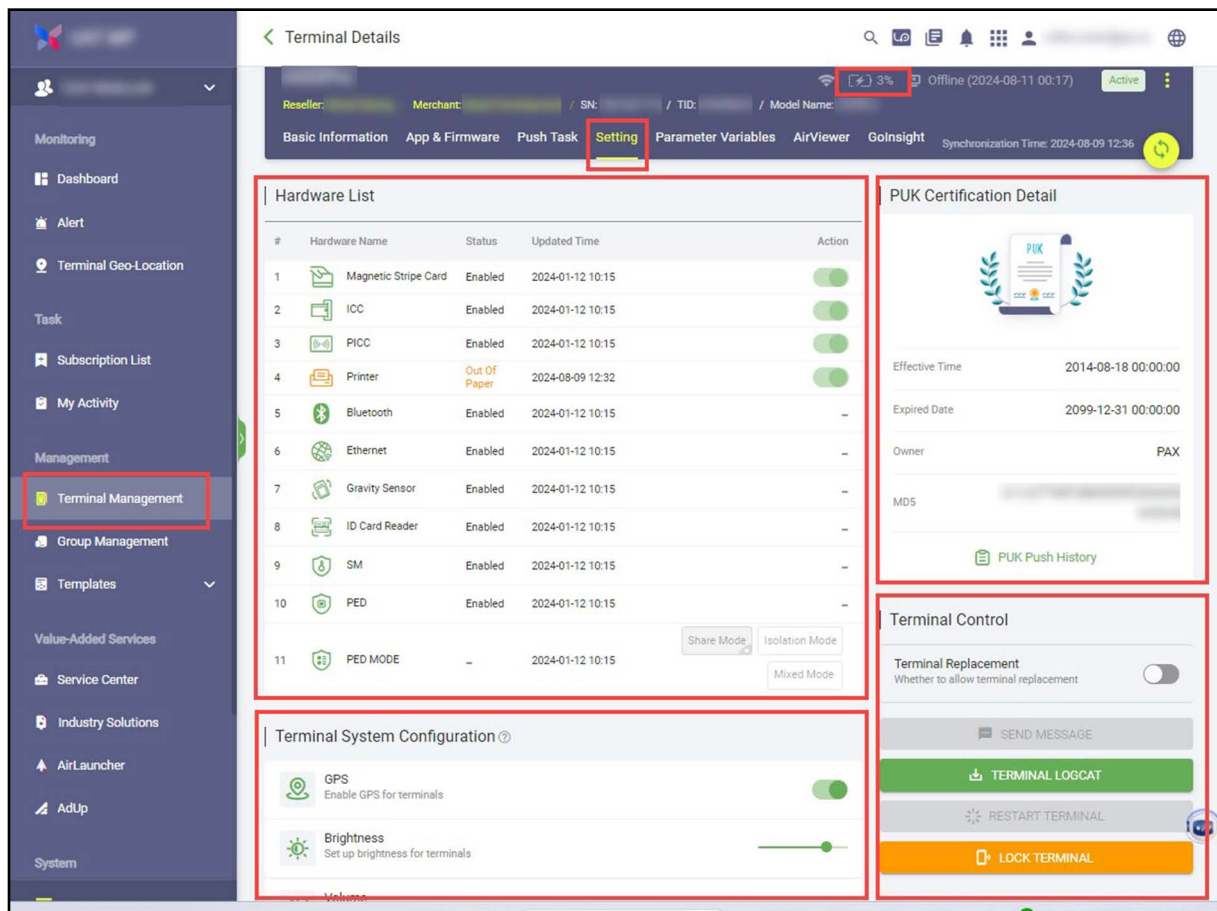


## 2.0.5 New Setting Tab

A new feature for the Premium Marketplace Owners and Resellers is the Setting tab.

- Added the Hardware List and PUK Certification Detail features, which were relocated from the Basic Information page.
- Added the Terminal System Configuration feature for brightness, volume, and language settings on traditional terminals.
- Added the Terminal Control module, supporting Terminal Logcat logs from traditional terminals.
- Added icons for the network connection type and the charging status to the upper right corner of the Terminal Details page for traditional terminals.

Select: **[Terminal Management] > [Reseller] > [Terminal] > [Setting] > Hardware List > PUK Certification Detail > Terminal System Configuration > Terminal Control > Terminal Logcat > Network / Battery Charging Icons.**



The screenshot shows the 'Terminal Details' page in the PAXSTORE interface. The 'Setting' tab is highlighted in the top navigation bar. The page is divided into several sections:

- Hardware List:** A table listing various hardware components and their status.
- PUK Certification Detail:** Information regarding the PUK certification, including effective and expired dates, owner, and MDS.
- Terminal System Configuration:** Settings for GPS, Brightness, and Volume.
- Terminal Control:** Options for terminal replacement, logcat, restart, and lock.

#	Hardware Name	Status	Updated Time	Action
1	Magnetic Stripe Card	Enabled	2024-01-12 10:15	
2	ICC	Enabled	2024-01-12 10:15	
3	PICC	Enabled	2024-01-12 10:15	
4	Printer	Out Of Paper	2024-08-09 12:32	
5	Bluetooth	Enabled	2024-01-12 10:15	—
6	Ethernet	Enabled	2024-01-12 10:15	—
7	Gravity Sensor	Enabled	2024-01-12 10:15	—
8	ID Card Reader	Enabled	2024-01-12 10:15	—
9	SM	Enabled	2024-01-12 10:15	—
10	PED	Enabled	2024-01-12 10:15	—
11	PED MODE	—	2024-01-12 10:15	Share Mode, Isolation Mode, Mixed Mode

**Terminal System Configuration**

- GPS: Enable GPS for terminals (Toggle: On)
- Brightness: Set up brightness for terminals (Slider: ~50%)
- Volume: (Slider: ~50%)

**Terminal Control**

- Terminal Replacement: Whether to allow terminal replacement (Toggle: Off)
- SEND MESSAGE
- TERMINAL LOGCAT
- RESTART TERMINAL
- LOCK TERMINAL

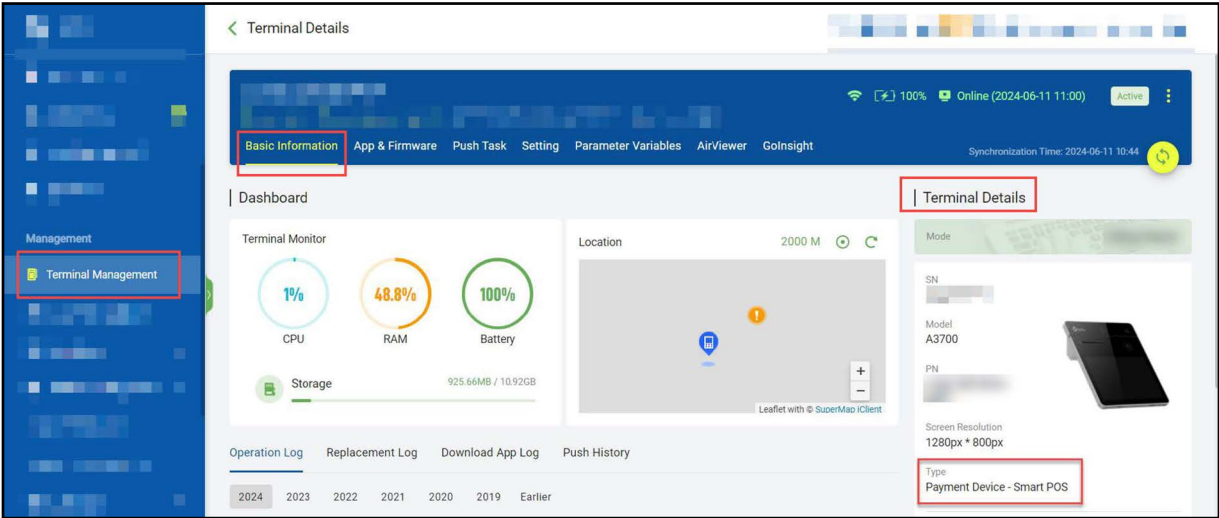
Note: Only traditional terminals integrated with the new SmartLanding SDK will upload the above information. For more information about the SDK, please log into the Developer portal from your PAXSTORE and contact the ISV Team at [isvaccountteam@pax.us](mailto:isvaccountteam@pax.us) so that they can assist you with Quail and SmartLanding.



2.0.6 Type Field

A new feature for Premium Marketplace Owners and Resellers is the **Type** field in the **Terminal Details** section of the **Terminal Details** page, which displays the device’s product type.

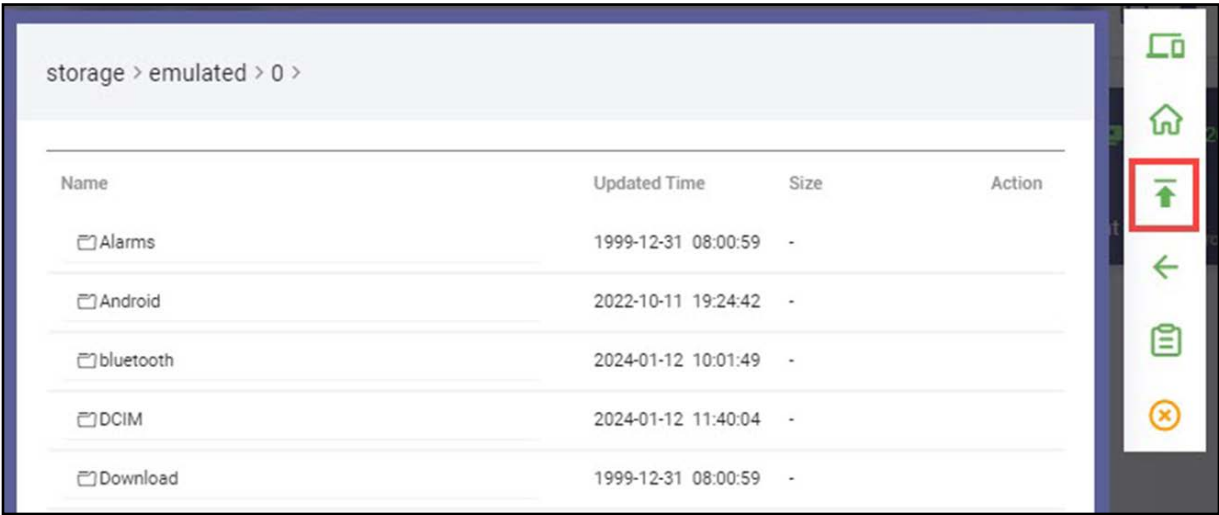
Select: [Terminal Management] > [Terminal] > [Basic Information] > Terminal Details > Type.



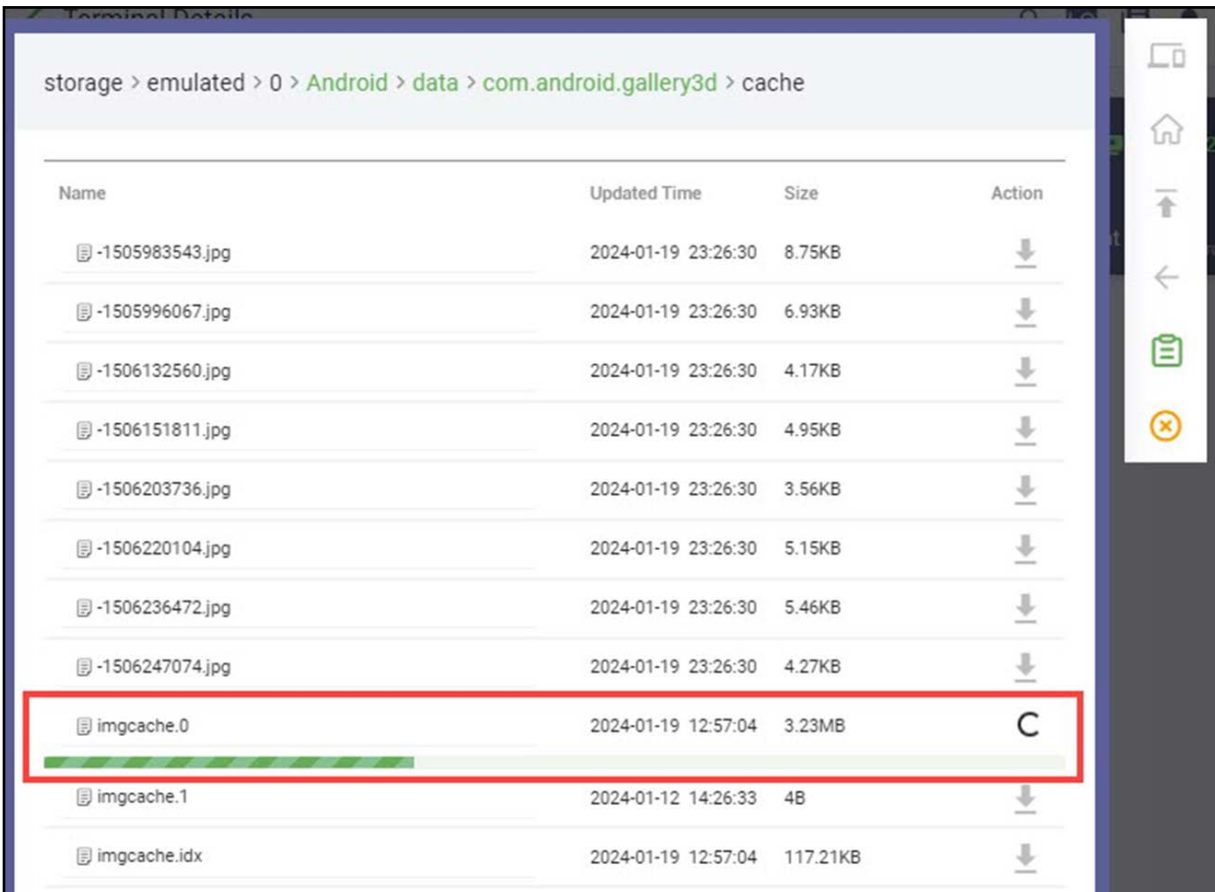
2.0.7 AirViewer

2.0.7.1 AirViewer File Upload























A new feature for Premium Marketplace Owners is the AirViewer File Upload. It has a new icon on the file transfer banner.



After selecting the new icon, a file selection box will pop up. Select a file to upload, and the file will be uploaded to the current file directory. The maximum size of a file that can be uploaded is 5MB.

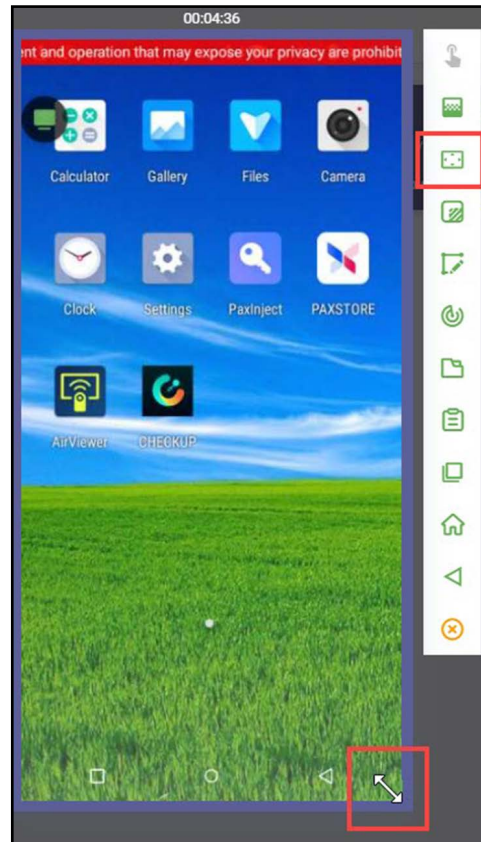


storage > emulated > 0 > Android > data > com.android.gallery3d > cache

Name	Updated Time	Size	Action
 -1505983543.jpg	2024-01-19 23:26:30	8.75KB	
 -1505996067.jpg	2024-01-19 23:26:30	6.93KB	
 -1506132560.jpg	2024-01-19 23:26:30	4.17KB	
 -1506151811.jpg	2024-01-19 23:26:30	4.95KB	
 -1506203736.jpg	2024-01-19 23:26:30	3.56KB	
 -1506220104.jpg	2024-01-19 23:26:30	5.15KB	
 -1506236472.jpg	2024-01-19 23:26:30	5.46KB	
 -1506247074.jpg	2024-01-19 23:26:30	4.27KB	
 imgcache.0	2024-01-19 12:57:04	3.23MB	
 imgcache.1	2024-01-12 14:26:33	4B	
 imgcache.idx	2024-01-19 12:57:04	117.21KB	

### 2.0.7.2 Remote Desktop Window Size

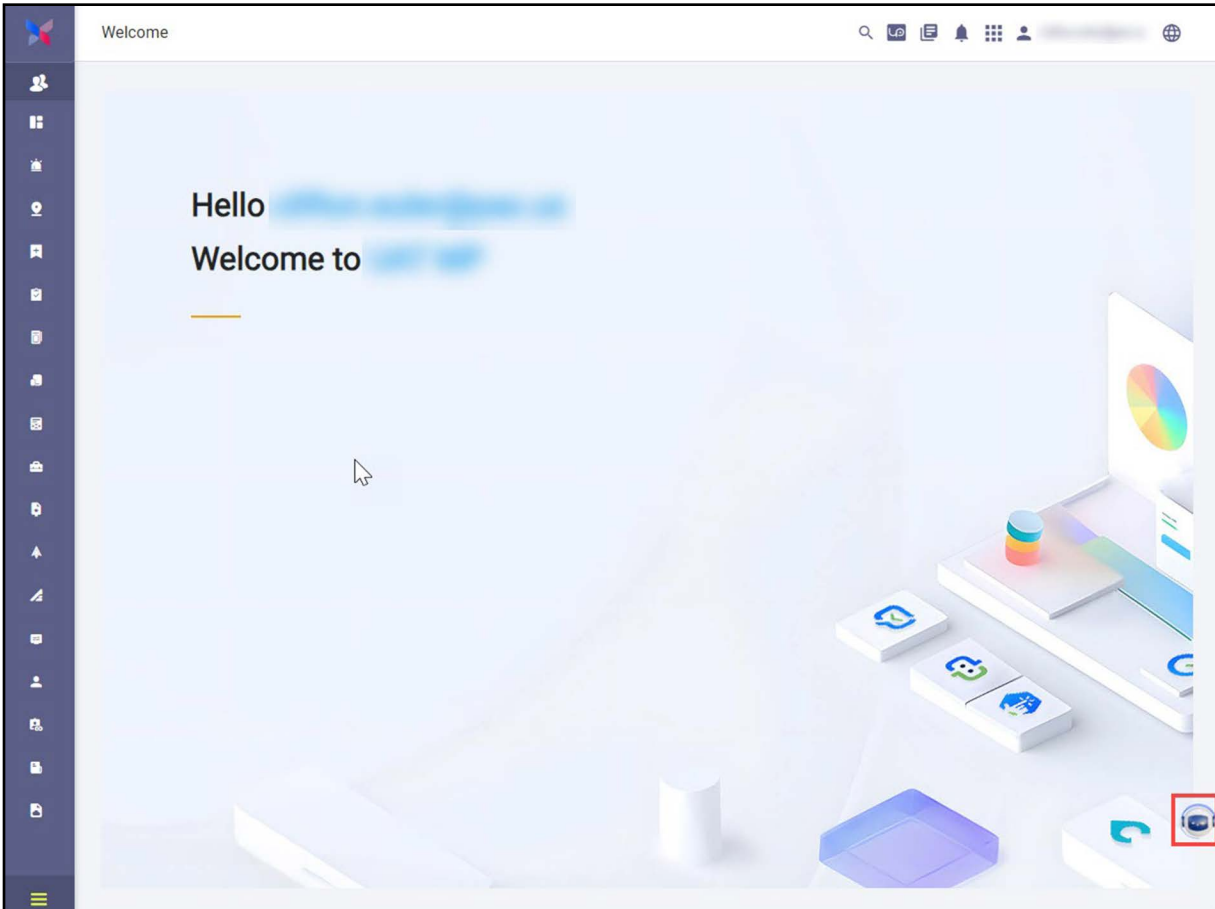
A new feature for Premium Marketplace Owners, users can now resize the remote desktop window by dragging its edge from the corner. If the user needs to restore the image to the original size, select the 100% option in the **Zoom** icon.



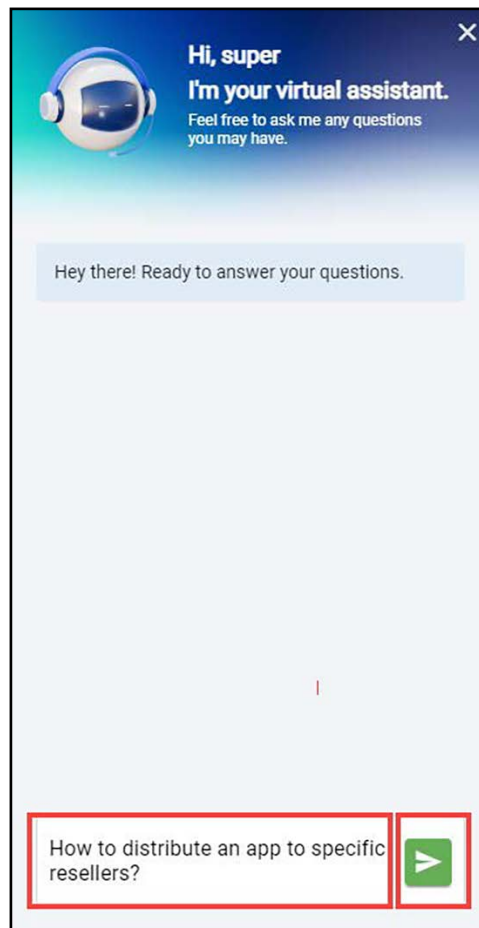
## 2.1 Smart Assistant

A new feature for Premium Marketplace Owners and Resellers, is the Smart Assistant, which allows customers to quickly find answers to their questions through an interactive Q&A format.

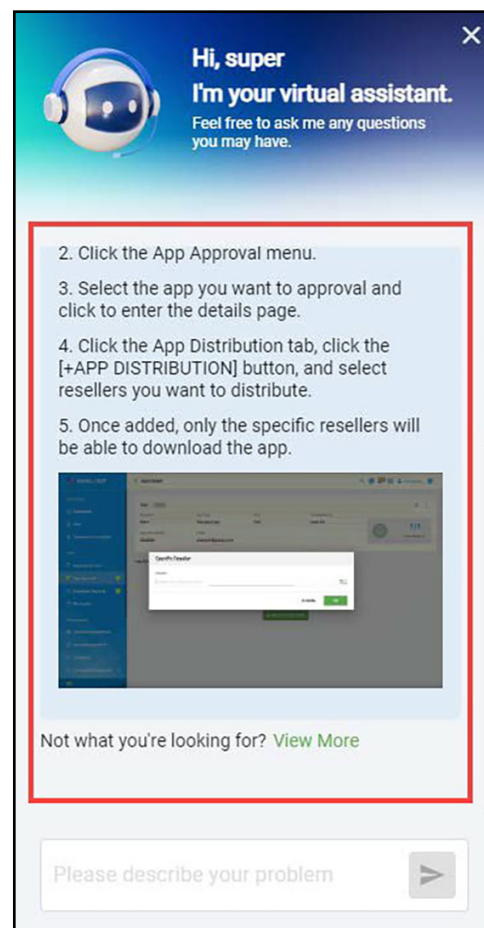
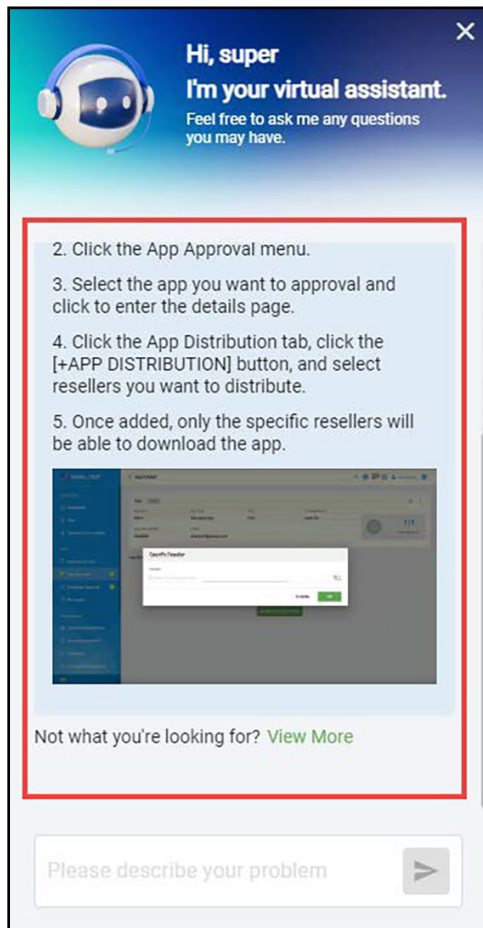
Select: the **[Smart Assistant icon]** at the bottom right corner of the page.



Enter the question you want to know in the Smart Assistant **[enter question]** > **[Right Arrow]**.



The response will be displayed on the device after selecting the Right Arrow icon. Use the scroll bar to view the entire message.

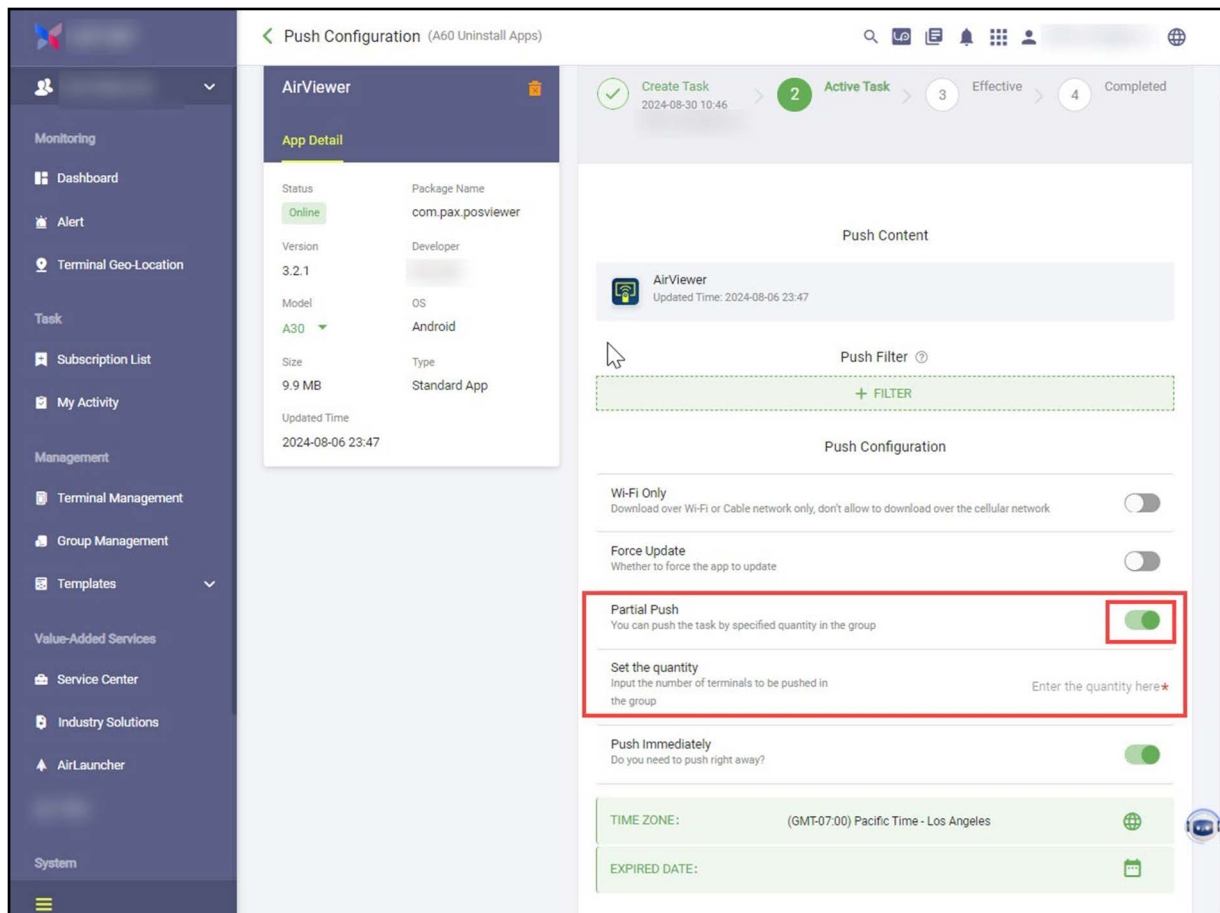


## 2.2 Group Management

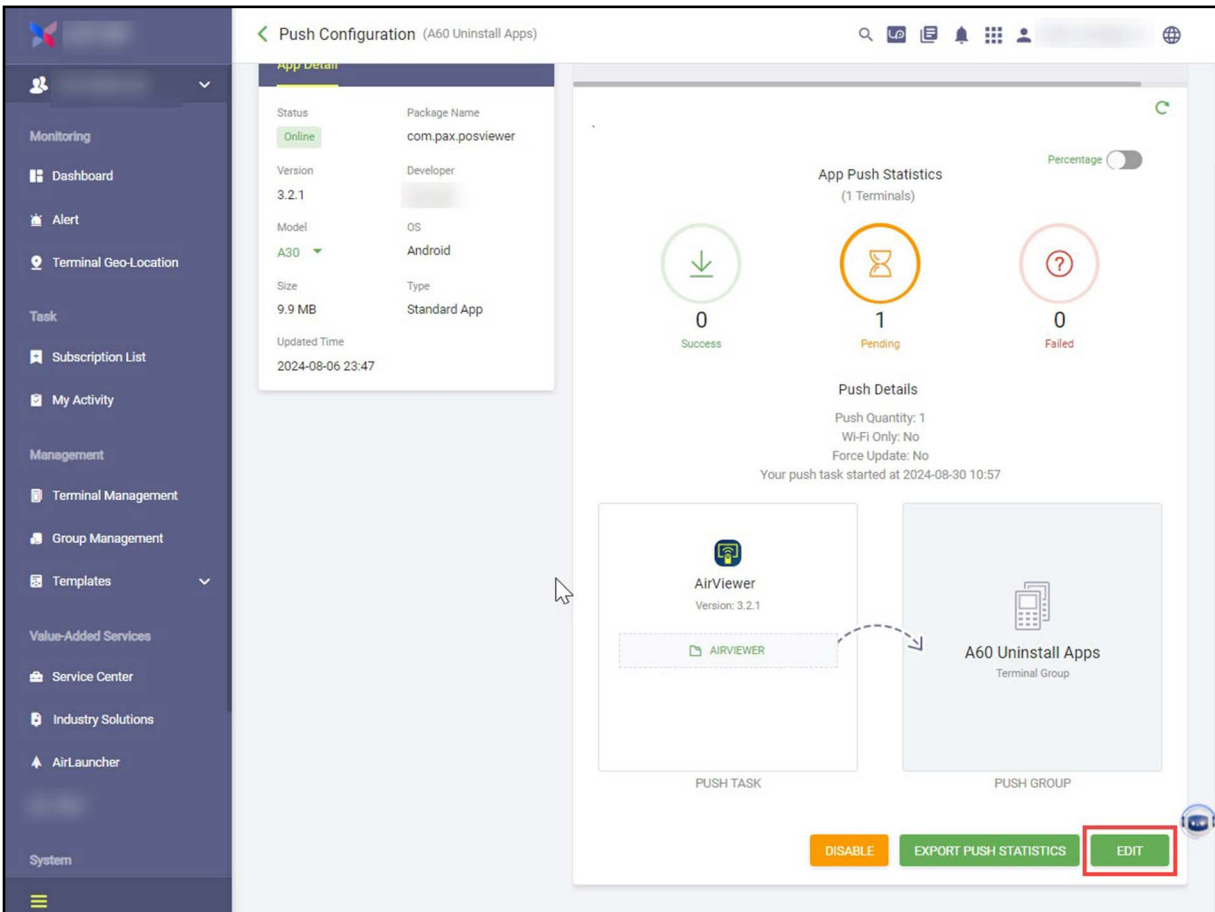
### 2.2.1 Partial Push

There is a new feature for Premium Marketplace Owners and Resellers called Partial Push. This is the Push Configuration. When users want to push a task to a partial group of terminals within a group, they can enable this and input the number of terminals to be pushed in the Set the Quantity option field. The user cannot specify which terminals within the group get the push tasks; the terminal selection is random.

Select: **[Push Configuration]** > Partial Push > **[Enable]** > Set the Quantity > enter **[Partial Quantity Amount]** > **[ACTIVATE]**.



To change the settings, such as the Partial Quantity or enable or disable Partial Push, select **[EDIT]**.



The screenshot displays the 'Push Configuration' interface for 'A60 Uninstall Apps'. On the left is a dark sidebar with navigation options: Monitoring, Dashboard, Alert, Terminal Geo-Location, Task, Subscription List, My Activity, Management, Terminal Management, Group Management, Templates, Value-Added Services, Service Center, Industry Solutions, AirLauncher, and System. The main content area is titled 'Push Configuration (A60 Uninstall Apps)' and includes a search bar and user profile icon. An 'App Detail' panel on the left shows: Status: Online, Package Name: com.pax.posviewer, Version: 3.2.1, Model: A30, Size: 9.9 MB, Updated Time: 2024-08-06 23:47, Developer, OS: Android, and Type: Standard App. The 'App Push Statistics (1 Terminals)' section shows 0 Success, 1 Pending, and 0 Failed. A 'Push Details' section lists: Push Quantity: 1, Wi-Fi Only: No, Force Update: No, and 'Your push task started at 2024-08-30 10:57'. Below this, a 'PUSH TASK' box for 'AirViewer' (Version: 3.2.1) is connected by a dashed arrow to a 'PUSH GROUP' box for 'A60 Uninstall Apps' (Terminal Group). At the bottom right are three buttons: 'DISABLE' (orange), 'EXPORT PUSH STATISTICS' (green), and 'EDIT' (green, highlighted with a red border).

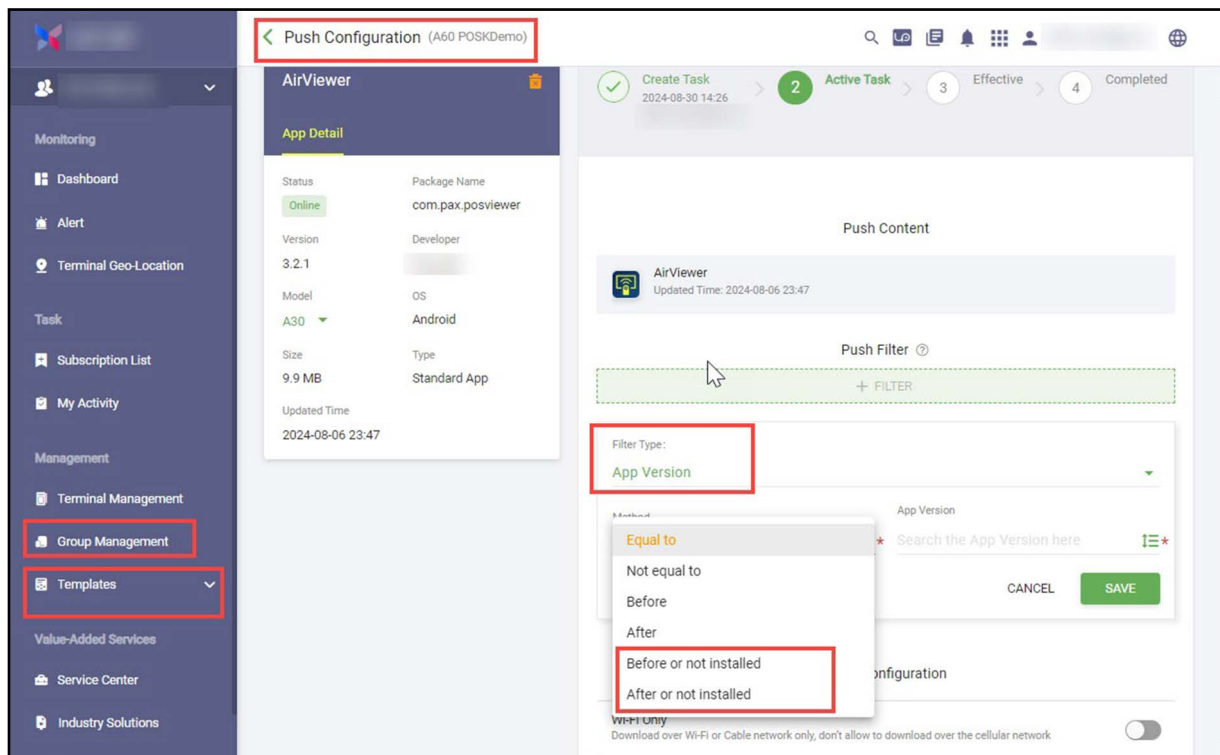


## 2.2.2 Before and After Installed

Two new features for Premium Marketplace Owners and Resellers are options called **Before or not installed** and **After or not installed**. The new options will display when a user selects the App Version in the filter type in the push filter, the new options will display.

- **Before or not installed:** Filter the terminals that have installed the app, whose version is lower than required or have not installed the app.
- **After or not installed:** Filter the terminals that have installed the app with a version higher than required or have not installed the app.

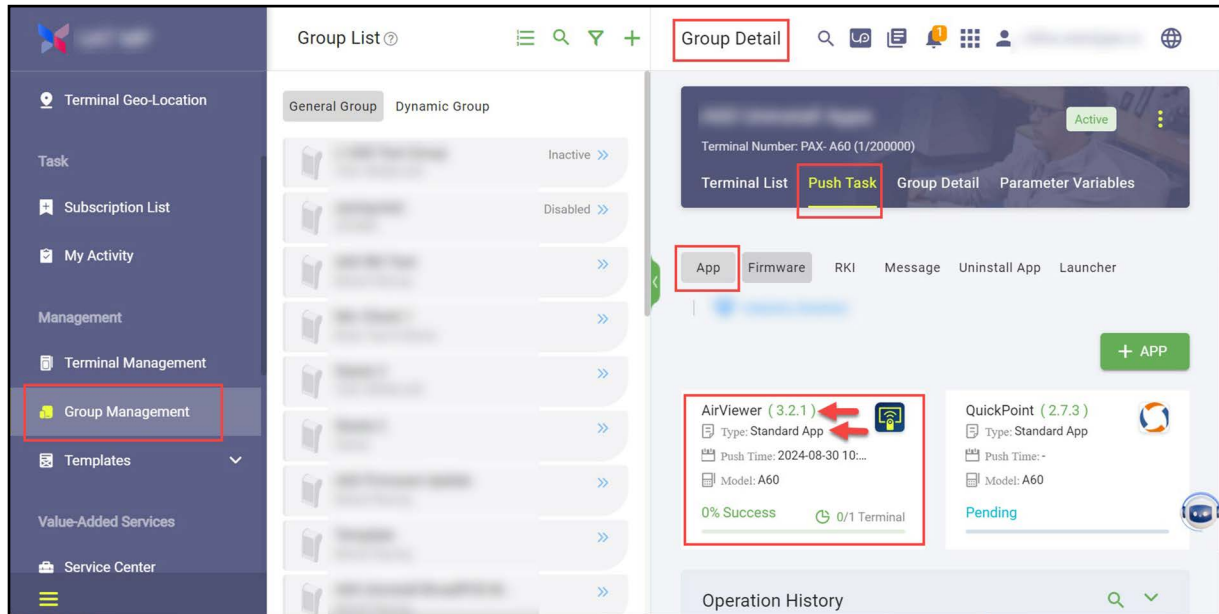
Select: **[Group Management] > [Group Type] > [Push Task] > [+ APP] > [Application] > [+ FILETER] > [Filter Type:] > [App Version] > [Method Drop Down Arrow] > Before or not installed or After or not installed.**



### 2.2.3 Version Information and Application Type

New features for Premium Marketplace Owners and Resellers are the **Version Information** and **Application Type** displayed on the **Uninstall App** group task list.

Select: **[Group Management] > [Group Type] > [Group Name] > [Push Task] > [App] > App List.**



## 2.3 Templates

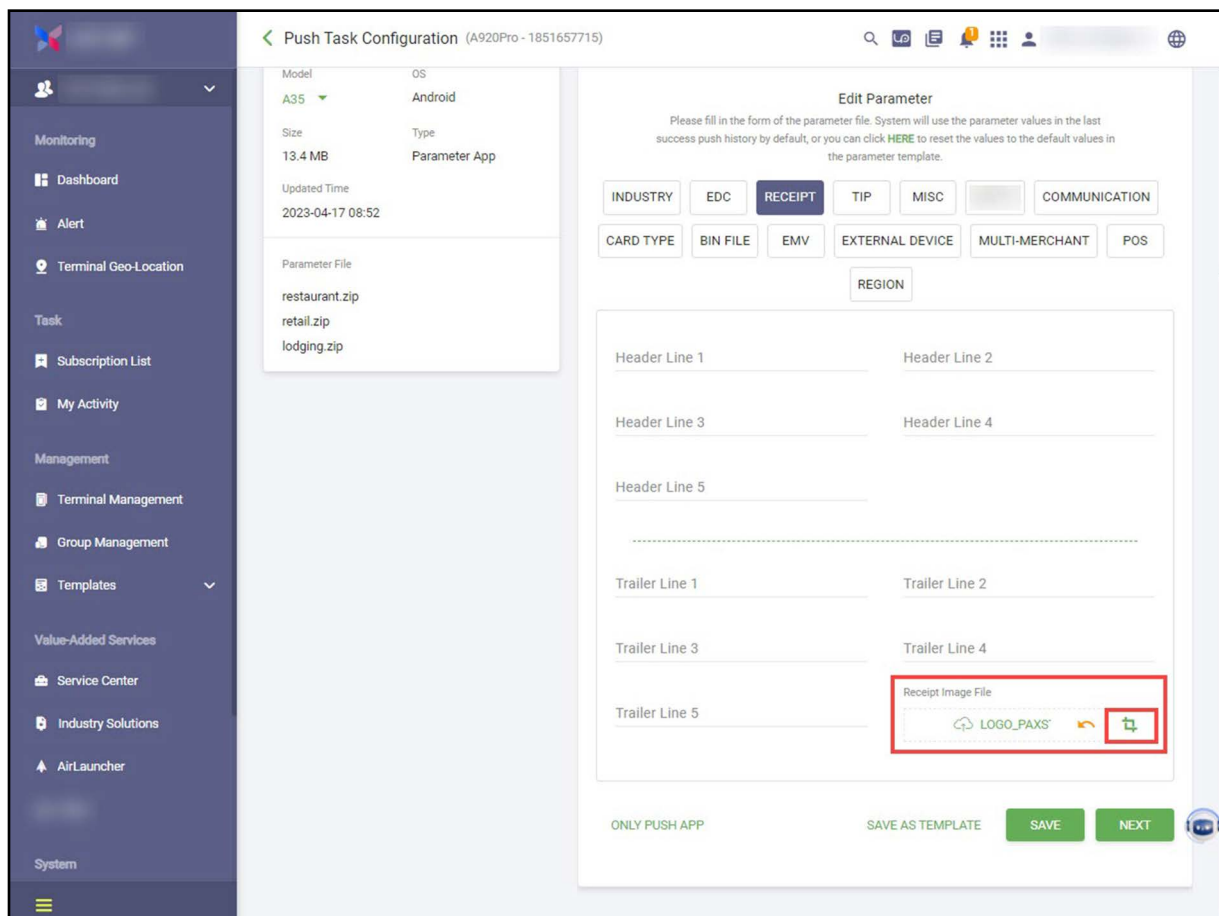
### 2.3.1 Image Cropping

A new feature for premium marketplace owners and resellers. The image cropping functionality for parameter files supporting images has been added. An image crop icon will appear when the user uploads an image-type parameter file. Users can select the icon to crop the image on a dashboard.

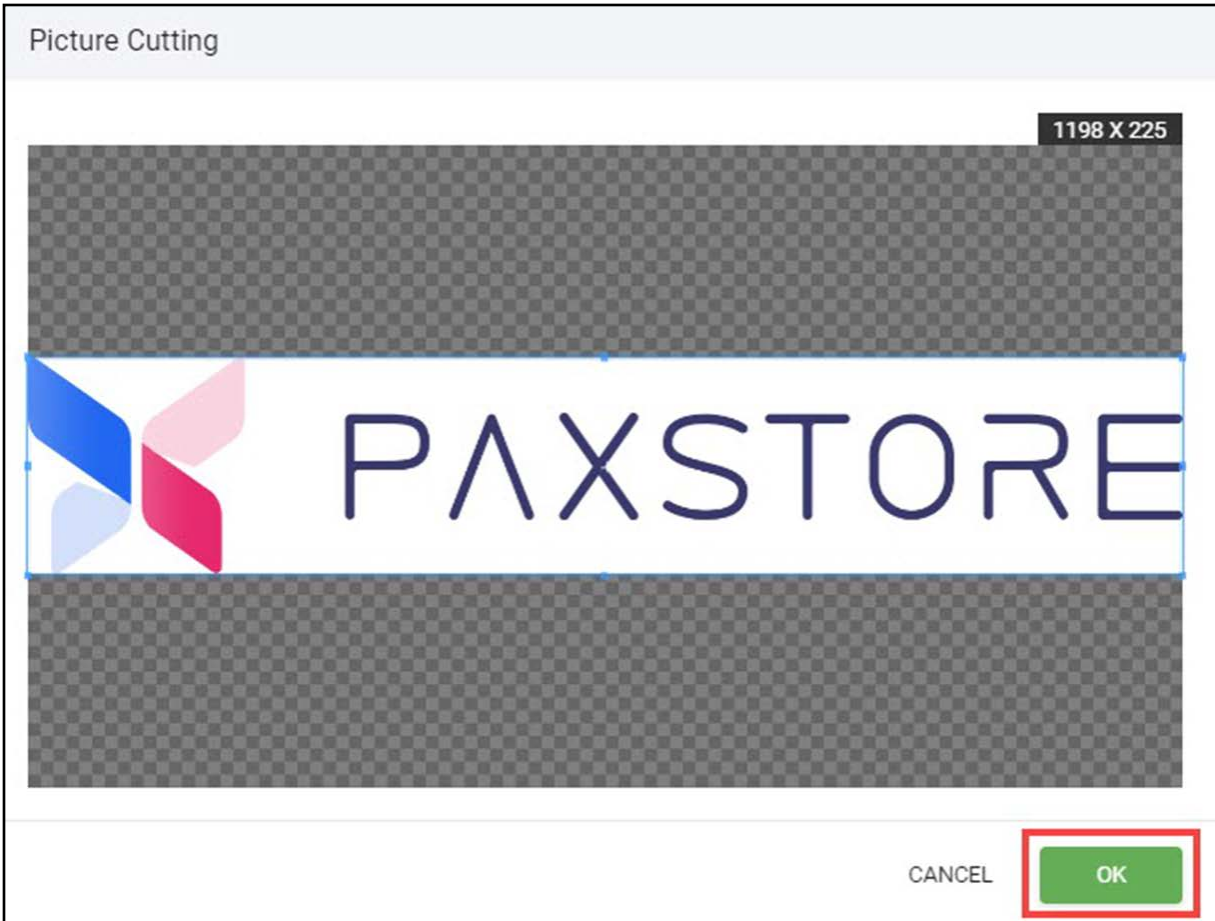
Only JPG, PNG, and BMP formats are supported.

Select: **[Terminal Management] > [Push Task] > [Parameter File] > [RECEIPT] > [Receipt Image File] > [Crop Icon]**.

Note: There are several different ways to access a parameter file. Above is one example.



After selecting the Image Crop icon, a pop-up window called Picture Cutting displays. If an image is already installed it will display. Hover the cursor over the image brackets surrounding the image and drag the cursor to adjust the image size, and then select **[OK]** to save the new cropped size.

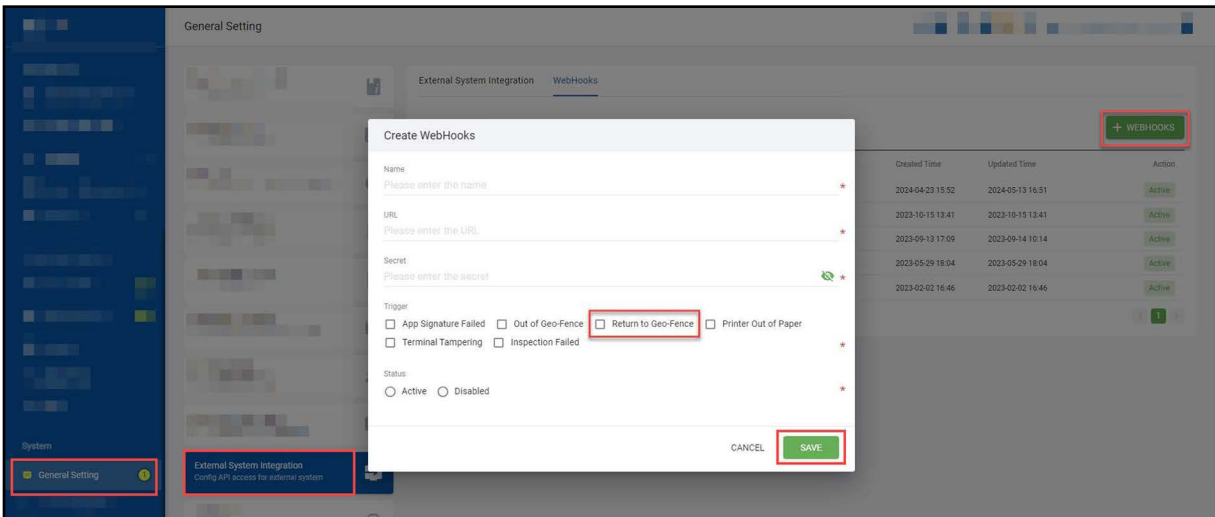


## 2.4 General Setting

### 2.4.1 Whitelist IP Address Ranges

A new feature for Premium Marketplace Owners has added the IP address ranges in the new tab called Admin Center Right Whitelist.

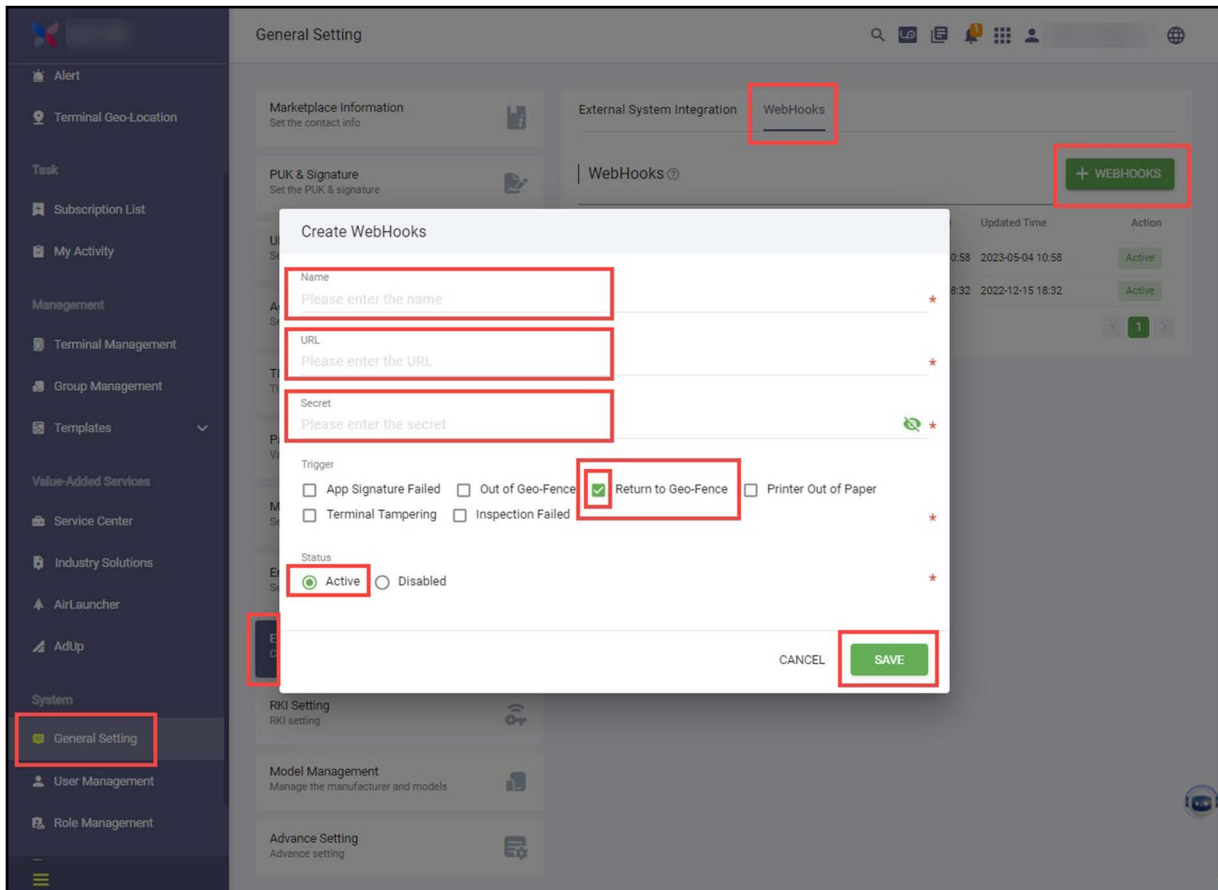
Select: **[General Setting]** > **[Advanced Setting]** > **[Admin Access Right Whitelist]** > Add IP Address.



## 2.4.2 Return to Geo-Fence

A new feature for Premium Marketplace Owners and Resellers regarding the Geo-Fence WebHooks is the feature **Return to Geo-Fence**. When the terminal exceeds the Geo-Fence boundary, the user will receive a notification if the feature is enabled.

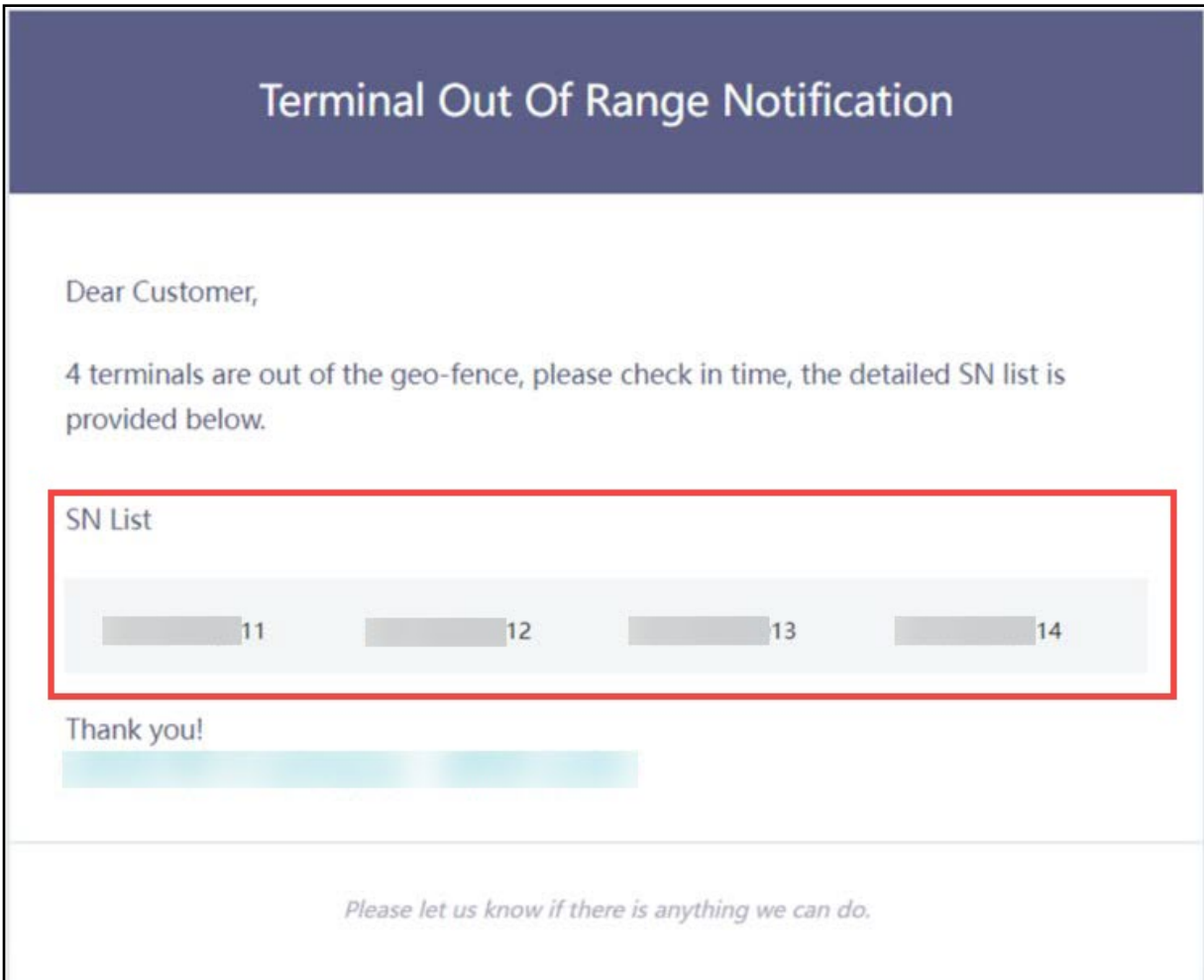
Select: **[General Setting]** > General Setting > External System Integration > **[WebHooks]** > **[+ WEBHOOKS]** > Create WebHooks > **[Name]** > **[URL]** > **[Secret]** > **[Return to Geo-Fence]** > **[Enable]** > **[Active]** > **[SAVE]**.



### 2.4.3 Out of Geo-Fence Alert Email

A new feature for Premium Marketplace Owners and Resellers is the Out of Geo-Fence email alert, which allows users to receive the terminal serial numbers that has exceeded the Geo-Fence area.

- When the number of terminals exceeding the Geo-Fence is less than or equal to 100, the serial numbers of these terminals will be displayed in the email.



- When the number of terminals exceeding the Geo-Fence is greater than 100, the email will provide a download link. Users can select the download link and enter an extraction code to download the report.

## Terminal Out Of Range Notification

Dear Customer,

101 terminals are out of the geo-fence, please check in time, you can also click button below to download the report file with the extraction code.

Extraction code: **CK7EIM**

**OUT OF GEO-FENCE  
REPORT\_20240524160503.XLSX**

Thank you!

*Please let us know if there is anything we can do.*



Enter the [Extraction Code] > [DOWNLOAD].

### Download File

File Name: OUT OF GEO-FENCE REPORT\_  .XLSX

Extraction code: Please Enter the verifiable code



The Out of Geo-Fence report list the terminal serial numbers.

OUT OF GEO-FENCE REPORT	
	Serial No
	01
	02
	03
	04
	05
	06
	07
	08
	09
	10
	11
	12
	13
	14
	15
	16
	17
	18
	19
	20
	21
	22
	23
	24
	25

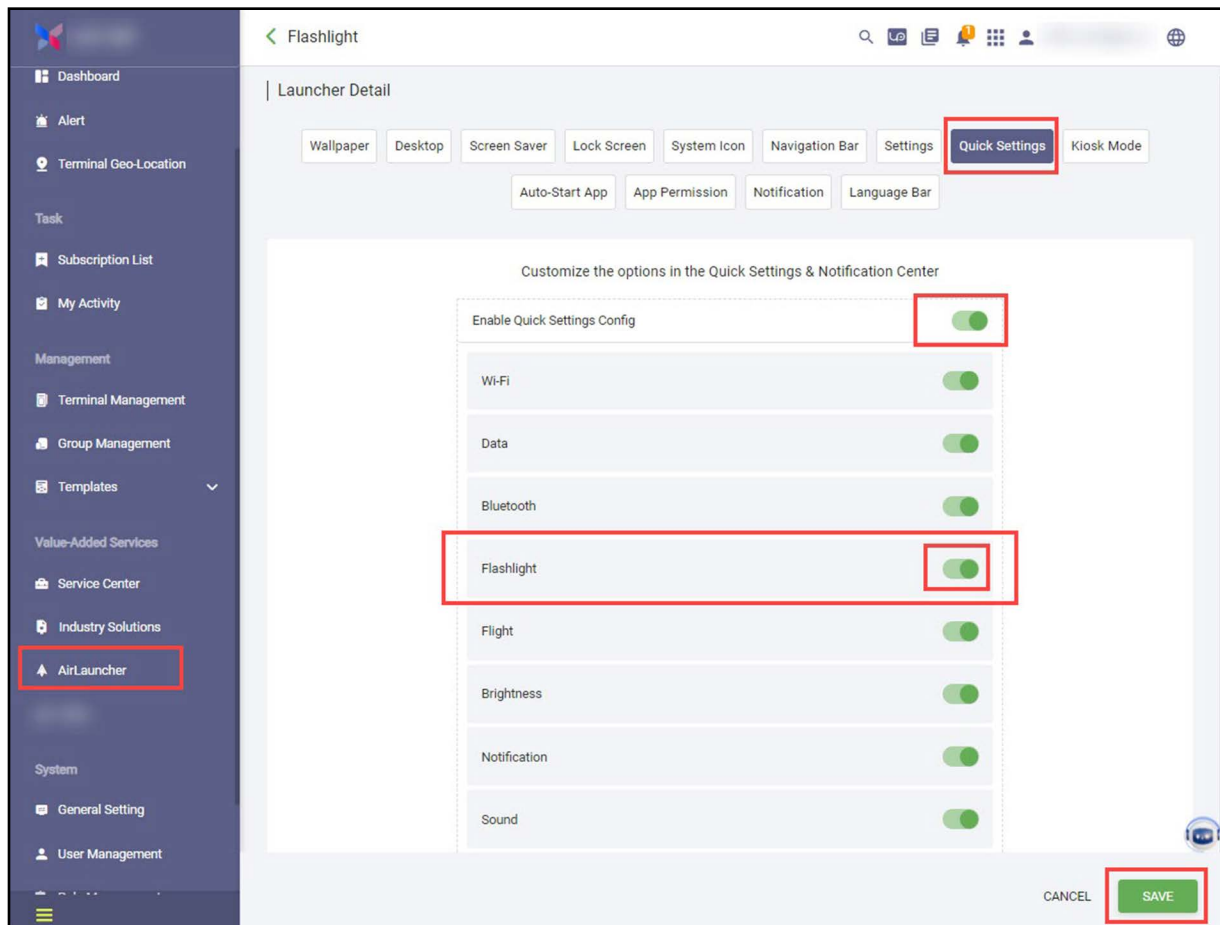
## 2.5 AirLauncher

### 2.5.1 Flashlight

A new feature for Premium Marketplace Owners is a **Flashlight** option now available in the Quick Settings section.

The example below applies to an existing AirLauncher Template.

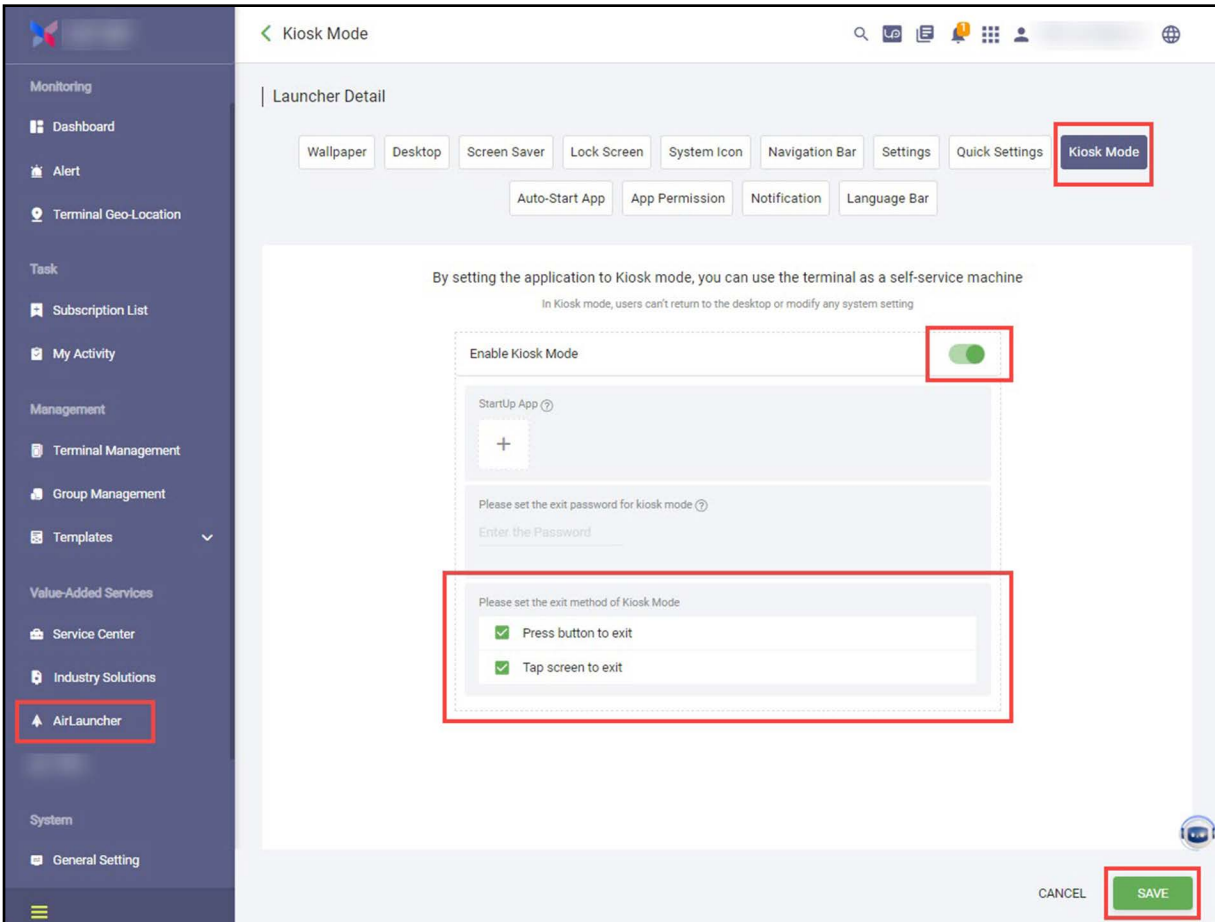
Select: **[AirLauncher] > [AirLauncher Template] > [Edit] > [Quick Settings] > [Enable Quick Settings Config] > [Enable] > [Flashlight] > [Enable] > [SAVE]**.



## 2.5.2 Kiosk Mode

A new enhancement for Premium Marketplace Owners is there are two methods to exit Kiosk Mode on the terminal side. The first is to press and hold the volume button together for seven seconds and then enter the password. The second is to tap the top center of the screen five times and then enter the password. Now, both methods are displayed in **Kiosk Mode** for the user to enable or disable.

Select: **[AirLauncher]** > **[AirLauncher Template]** > **[Kiosk Mode]** > Enable Kiosk Mode > **[select kiosk mode(s)]** > **[SAVE]**.

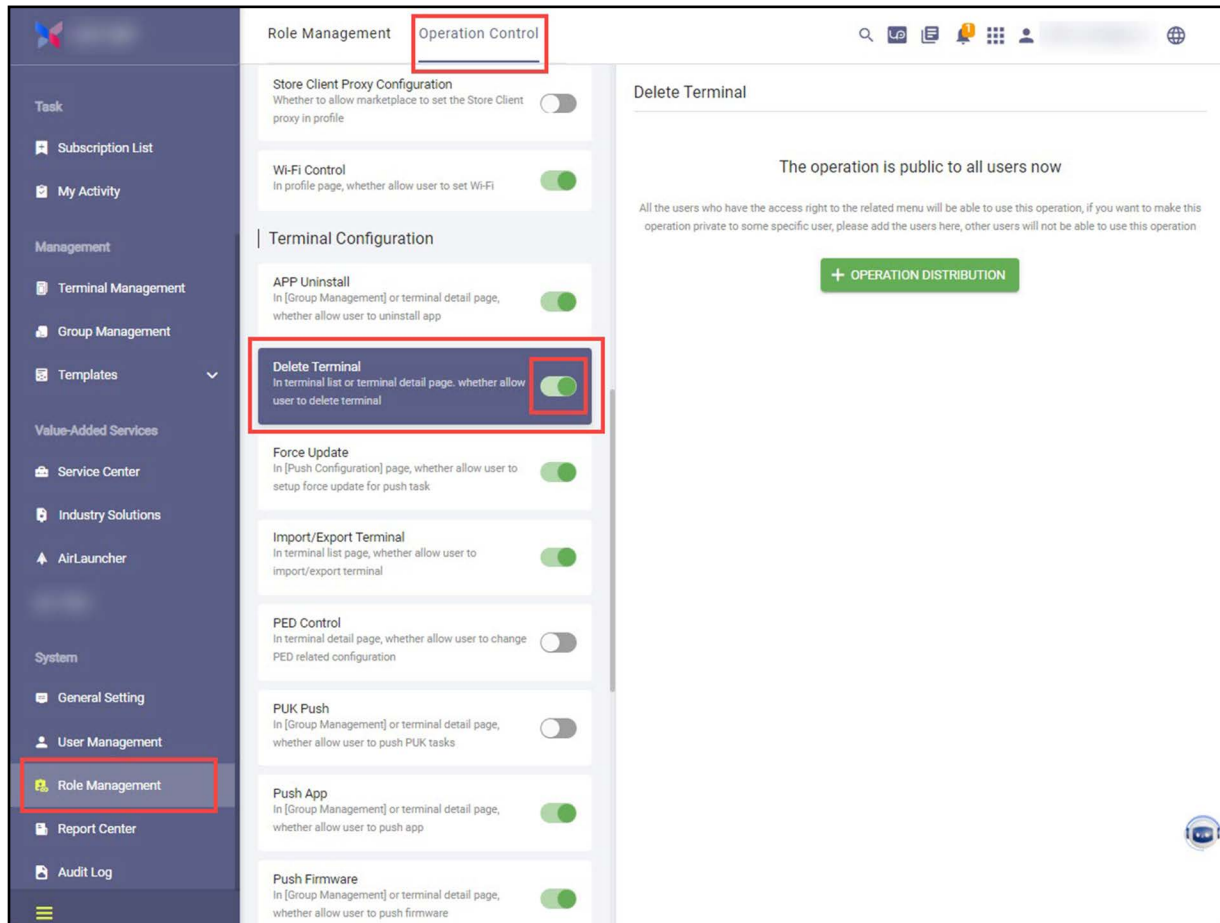


## 2.6 Role Management

### 2.6.1 Delete Terminal

A new feature for Premium Marketplace Owners and Resellers is operation control of the **Delete Terminal** feature. Administrators can now specify operators to use the **Delete Terminal** feature.

Select: **[Role Management]** > **[Operation Control]** > Terminal Configuration > **[Delete Terminal]** > **[Enable]**.



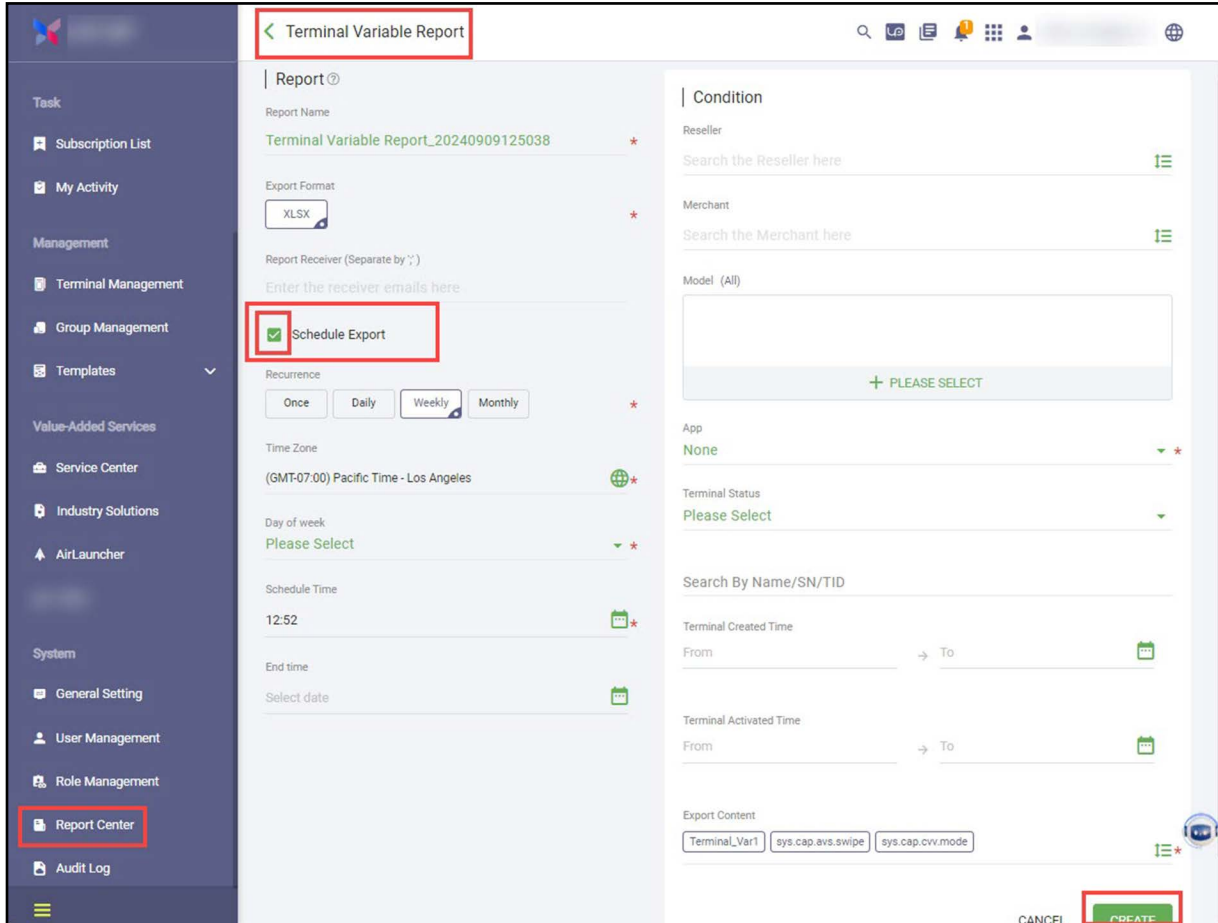
**Note:** By default, the operation is public to all users. All the users who have the access right to the related menu will be able to use this operation. If you want to make this operation private to specific users, please add the users here. Other users will not be able to use this operation.

## 2.7 Report Center

### 2.7.1 Reports With Schedule Export

A new feature for Premium Marketplace Owners and Resellers is all report types now support a **Schedule Export** feature. Each report type can have up to five scheduled export tasks. Re-occurring reports can be scheduled once, daily, weekly, and monthly.

To view Select: **[Report Center]** > **[Report Name]** > **[+ REPORT TASK]** > Terminal Variable Report > **[Schedule Export]** > **[Enable]**.



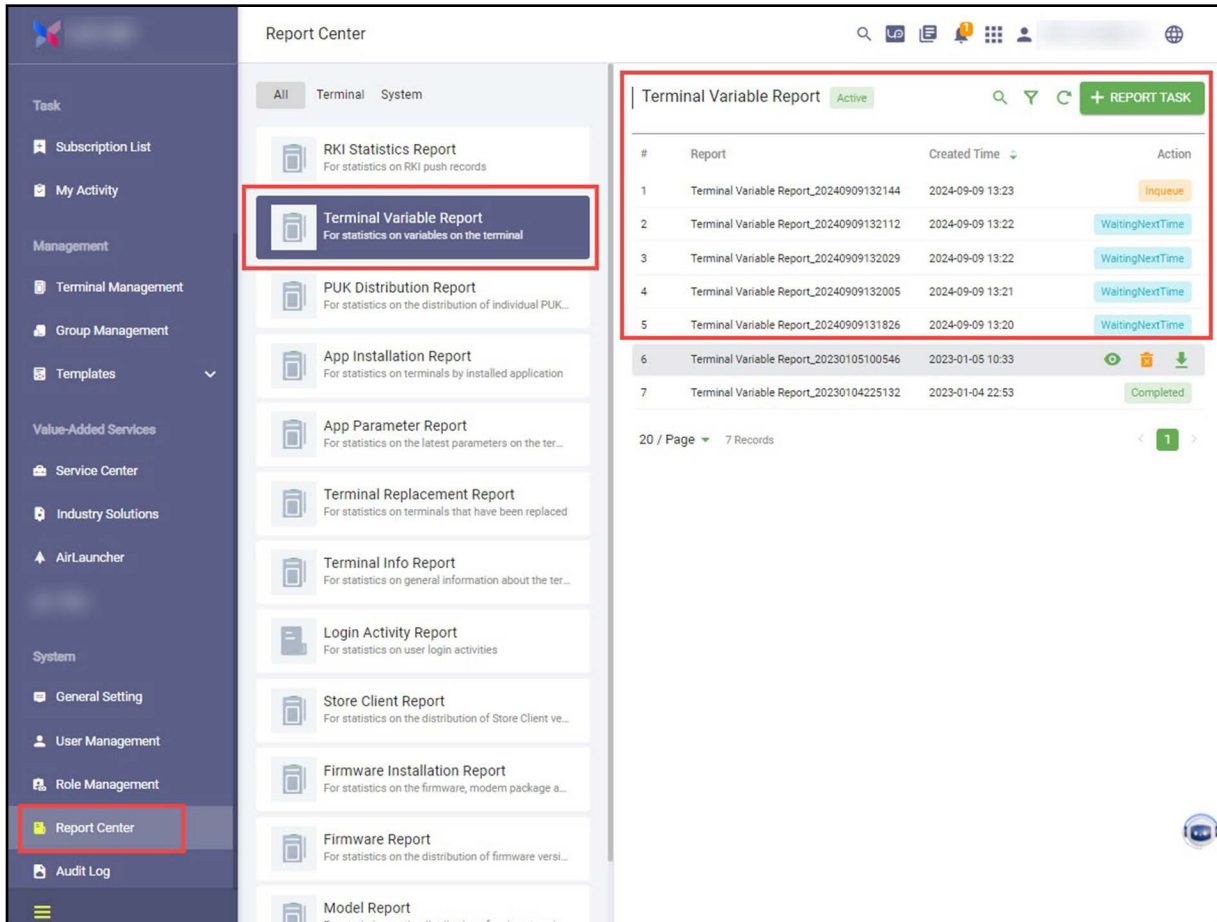
The screenshot displays the 'Terminal Variable Report' configuration page in the PAXSTORE interface. The left sidebar shows the 'Report Center' menu item highlighted. The main content area is titled 'Terminal Variable Report' and contains several sections:

- Report Information:**
  - Report Name: Terminal Variable Report\_20240909125038
  - Export Format: XLSX
  - Report Receiver (Separate by ;): Enter the receiver emails here
  - Recurrence: Weekly (selected)
  - Time Zone: (GMT-07:00) Pacific Time - Los Angeles
  - Day of week: Please Select
  - Schedule Time: 12:52
  - End time: Select date
- Schedule Export:** A checkbox labeled 'Schedule Export' is checked and highlighted with a red box.
- Condition:**
  - Reseller: Search the Reseller here
  - Merchant: Search the Merchant here
  - Model (All): + PLEASE SELECT
  - App: None
  - Terminal Status: Please Select
- Search By Name/SN/TID:**
  - Terminal Created Time: From → To
  - Terminal Activated Time: From → To
- Export Content:**
  - Terminal\_Var1
  - sys.cap.avs.swipe
  - sys.cap.cvv.mode

The 'CREATE' button at the bottom right is highlighted with a red box.

Example of five scheduled reports.

Select: **[Report Center]** > **[Report]** > Terminal Variable Report List.



The screenshot displays the PAXSTORE Report Center interface. On the left is a sidebar menu with categories: Task, Management, Value-Added Services, and System. The 'Report Center' option is highlighted in the System category. The main content area is titled 'Report Center' and features a list of reports under the 'Terminal' tab. The 'Terminal Variable Report' is highlighted with a red box. To the right, a detailed view of the 'Terminal Variable Report' is shown, also with a red box. It includes a table with columns for Report ID, Report Name, Created Time, and Action. The table lists seven reports, with the first five in an 'Active' state and the last two in a 'Completed' state.

#	Report	Created Time	Action
1	Terminal Variable Report_20240909132144	2024-09-09 13:23	Inqueue
2	Terminal Variable Report_20240909132112	2024-09-09 13:22	WaitingNextTime
3	Terminal Variable Report_20240909132029	2024-09-09 13:22	WaitingNextTime
4	Terminal Variable Report_20240909132005	2024-09-09 13:21	WaitingNextTime
5	Terminal Variable Report_20240909131826	2024-09-09 13:20	WaitingNextTime
6	Terminal Variable Report_20230105100546	2023-01-05 10:33	Completed
7	Terminal Variable Report_20230104225132	2023-01-04 22:53	Completed

20 / Page 7 Records

## 2.7.2 Update Time Column in the Firmware Installation Report

For Premium Marketplace Owners and Resellers added a new column, **Update Time**, in the **Firmware Installation Report**.

Select: **[Report Center] > [Firmware Installation Report] > [Firmware Installation Report] > [Download Icon] > Confirm to download this report? > [OK]**.

	A	B	C	D	E	F
1	Firmware Installation Report					
2						
3	Report Generated Date: 2024-09-09					
4	Marketplace Name:					
5						
6	Firmware Name	SN	Model	Reseller	Merchant	Update Time
7	A60_Pa	2020	A60			2020-06-08 08:58
8	A930_P	3.25	A930			2023-03-08 08:17
9	A930_P	5.06	A930			2023-05-24 05:28
10	Aries6	V10.	Aries6			2019-07-22 04:22
11	Aries8	4.1.	Aries8			2019-07-22 04:13
12	E500_P	.1.1	E500			2021-07-23 13:13
13	E600_P	1.05	E600			2019-08-22 03:46
14	IM30_A	_V05	A80			2021-01-31 19:01
15	IM30_A	_V05	A80			2021-02-25 14:00
16	IM30_A	_V05	A80			2023-03-21 00:41
17	IM30_P	3.00	IM30			2019-09-20 04:06
18	PayDro	0_20	E600M			2022-04-12 20:07
19	PayDro	.1.1	A800			2023-04-28 09:52
20	PayDro	.1.1	A800			2023-03-29 07:32
21	PayDro	.1.1	A800			2023-04-28 06:59
22	PayDro	.1.1	A800			2023-07-21 16:15
23	PayDro	.1.1	A800			2023-11-10 01:43
24	PayDro	0230	A80			2023-11-10 18:16
25	PayDro	_202	Test			2021-12-15 10:25
26	PayDro	_202	Test			2021-12-15 06:31
27	PayDro	_202	Test			2022-04-05 07:29
28	PayDro	T8_2	A77			2022-04-11 04:04



## 2.8 Developers

### 2.8.1 Developer Integration Automation

A new feature for Developers is the platform provides automated workflows to help developers achieve integration automation and increase efficiency.

### 2.8.2 Developer APIs

A new feature for Premium Marketplace Owners is a series of APIs for helping developers submit applications automatically.

#### 2.8.2.1 Create Application API

Create App API: Developers can use the createApp API to create an application.

- `public Result<String> createApp(CreateSingleAppRequest createAppRequest)`

Create an app

API

```
public Result<String> createApp(CreateSingleAppRequest createAppRequest)
```

Input parameter(s) description

Parameter Name	Type	Nullable	Description
createAppRequest	CreateSingleAppRequest	false	the create request object, the structure like below

Structure of class CreateAppRequest

Property Name	Type	Nullable	Description
appName	String	false	the name of app, max length is 64

Sample codes

```
DeveloperApi developerApi = new DeveloperApi("https://api.whatspos.com/p-market-api", "7AN2R8ROMLCOZI39H8WV", "I43OHYX91TL96IB7");
CreateSingleAppRequest createAppRequest = new CreateSingleAppRequest();
createAppRequest.setAppName("APP20240223");

developerApi.createApp(createAppRequest);
```

Client side validation failed sample result(JSON formatted)

```
{
  "businessCode": -1,
  "validationErrors": ["Parameter createAppRequest cannot be null!"]
}
```

Server side validation failed sample result(JSON formatted)

```
{
  "businessCode": 1213,
  "message": "App name is mandatory"
}
```

Successful sample result(JSON formatted)

### 2.8.2.2 Delete App API

Delete App API: Developers can use the deleteApp API to delete an application.

- `public Result<String> deleteApp(Long appId)`

#### Delete App

API

```
public Result<String> deleteApp(Long appId)
```

Input parameter(s) description

Parameter Name	Type	Nullable	Description
appId	Long	false	id of app

Sample codes

```
DeveloperApi developerApi = new DeveloperApi("https://api.whatspos.com/p-market-api", "7AN2R8R0MLCOZI39H0WV", "I430HYX91TL961B7:");
developerApi.deleteApp(2598004800782372L);
```

Server side validation failed sample result(JSON formatted)

```
{
  "businessCode": 1000,
  "message": "APP not found"
}
```

Successful sample result(JSON formatted)

```
{
  "businesscode": 0
}
```

Possible business codes

Business Code	Message	Description
131	Insufficient access right	
135	Invalid parameter or missing parameter	
1000	APP not found	

### 2.8.2.3 Create an Apk API

Create an Apk API: Developers can use the createApk API to create an Apk.

- `public Result<String> createApk(CreateSingleApkRequest createApkRequest)`

#### Create an apk

API

```
public Result<String> createApk(CreateSingleApkRequest createApkRequest)
```

Input parameter(s) description

Parameter Name	Type	Nullable	Description
createApkRequest	CreateSingleApkRequest	false	the create request object, the structure like below

Structure of class CreateSingleApkRequest

Property Name	Type	Nullable	Description
appId	Long	false	the id of app
apkName	String	false	the name of apk
apkType	String	false	the type of app, the values can be 'P' and 'N': (P : Parameter App, N: Standard App)
modelNameList	List<String>	false	model names, the apk supported models
categoryList	List<String>	false	business category
shortDesc	String	false	short description
description	String	false	
releaseNotes	String	true	release note
appFilePath	String	false	the appfile path
iconFilePath	String	true	the icon file path
featuredImgPath	String	true	the featured image file path
accessUrl	String	true	url of access
screenshotFiles	List<String>	false	the screenshots file path
paramTemplateFiles	List<String>	true	the parameter templates file path

### 2.8.2.4 Edit an Apk API

Edit an Apk API: Developers can use the editApk API to edit an Apk.

- `public Result<String> editApk(EditSingleApkRequest editApkRequest)`

#### Edit an apk

API

```
public Result<String> editApk(EditSingleApkRequest editApkRequest)
```

Input parameter(s) description

Parameter Name	Type	Nullable	Description
editApkRequest	EditSingleApkRequest	false	the edit request object, the structure like below

Structure of class CreateSingleApkRequest

Property Name	Type	Nullable	Description
apkId	Long	false	the id of app
apkName	String	false	the name of apk
apkType	String	false	the type of app, the values can be 'P' and 'N'. (P : Parameter App, N: Standard App)
modelNameList	List<String>	false	model names, the apk supported models
categoryList	List<String>	false	business category
shortDesc	String	false	short description
description	String	false	
releaseNotes	String	true	release note
appFilePath	String	true	the appfile path
iconFilePath	String	true	the icon file path
featuredImgPath	String	true	the featured image file path
accessUrl	String	true	url of access
screenshotFiles	List<String>	false	the screenshots file path
paramTemplateFiles	List<String>	false	the parameter templates file path
paramTemplateList	List<String>	false	the file name of parameter template

### 2.8.2.5 Submit an Apk API

Submit an Apk API: Developers can use the submitApk API to submit an Apk.

- `public Result<String> submitApk(Long apkId)`

#### Submit Apk

API

```
public Result<String> submitApk(Long apkId)
```

Input parameter(s) description

Parameter Name	Type	Nullable	Description
apkId	Long	false	id of apk

Sample codes

```
DeveloperApi developerApi = new DeveloperApi("https://api.whatspos.com/p-market-api", "7AN2R8R0MLCOZI39H0MV", "I430HYX911L96I87:");
developerApi.submitApk(1598744592121890L);
```

Server side validation failed sample result(JSON formatted)

```
{
  "businessCode": 1002,
  "message": "APK not found"
}
```

Successful sample result(JSON formatted)

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

Possible business codes

Business Code	Message	Description
135	Invalid parameter or missing parameter	
1000	APP not found	
1002	APK not found	
1011	The app's developer signature is different from previous version	
1012	Please sign your app with a self-signed certificate	

### 2.8.2.6 Delete an Apk API

Delete an Apk API: Developers can use the deleteApk API to delete an Apk.

- `public Result<String> deleteApk(Long apkId)`

#### Delete Apk

API

```
public Result<String> deleteApk(Long apkId)
```

Input parameter(s) description

Parameter Name	Type	Nullable	Description
apkId	Long	false	id of apk

Sample codes

```
DeveloperApi developerApi = new DeveloperApi("https://api.whatspos.com/p-market-api", "7AN2R8ROMLCOZI39H8W", "I430HYX91TL96IB7");  
developerApi.deleteApk(1598563819716651L);
```

Server side validation failed sample result(JSON formatted)

```
{  
  "businessCode": 1002,  
  "message": "APK not found"  
}
```

Successful sample result(JSON formatted)

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

Possible business codes

Business Code	Message	Description
131	Insufficient access right	
135	Invalid parameter or missing parameter	
1002	APK not found	

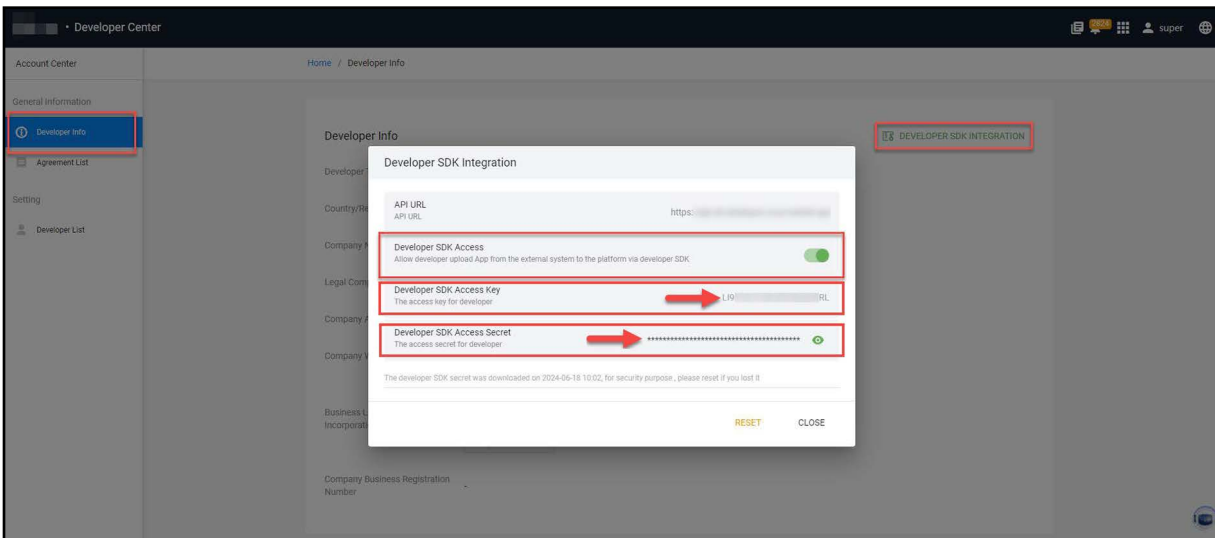
### 2.8.3 Developer SDK Access

Please contact PAXSTORE Support for assistance in accessing this feature. Email [paxstore.support@pax.us](mailto:paxstore.support@pax.us).

### 2.8.4 Enable Developer for SDK Access

A new feature for Premium Marketplace Owners is the Developer SDK Access option. The developer when enabled will obtain the Developer SDK Access Key and Developer SDK Access Secret.

Select: **[Developer Center]** > **[Account Center]** > **[Developer Info]** > **[DEVELOPER SDK INTEGRATION]** > a pop-up window called Developer SDK Integration > **[Developer SDK Access]** > **[Enable]**.



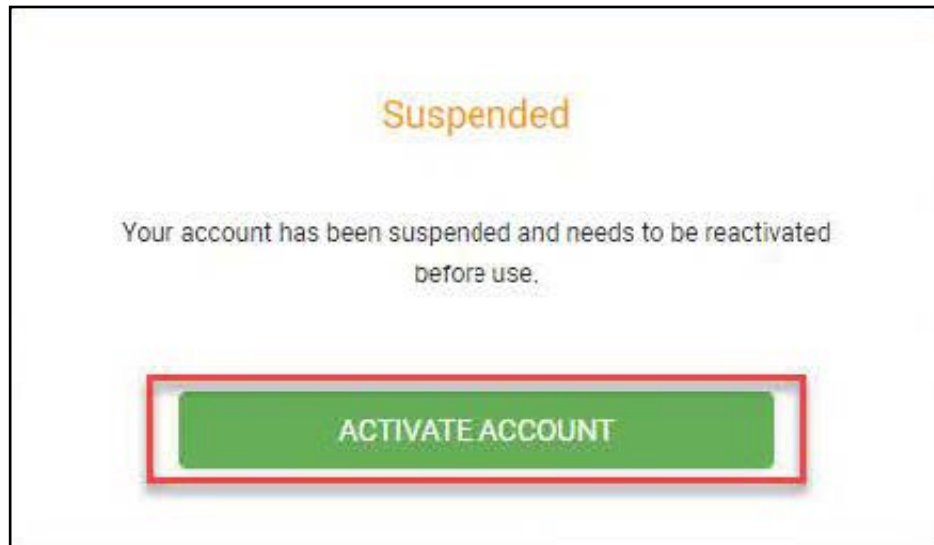
## 2.9 Account Self-Activation

A new feature for Premium Marketplace Owners and Resellers is the self-activation feature for users with suspended accounts.

Users who do not log in for an extended period, will have their accounts automatically suspended. Previously, users could only contact the administrator to activate their accounts. Now, users can self-activate their accounts, making it simple and convenient.

After attempting to login, a **Suspended** pop-up window displays.

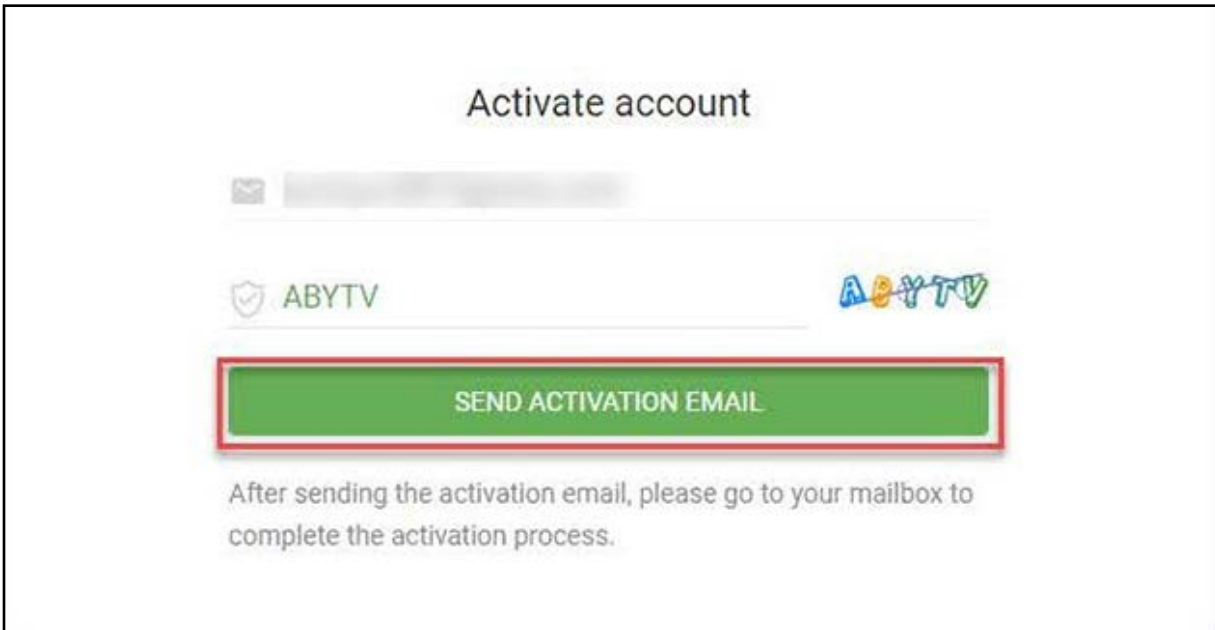
Select: > **[ACTIVATE ACCOUNT]**.





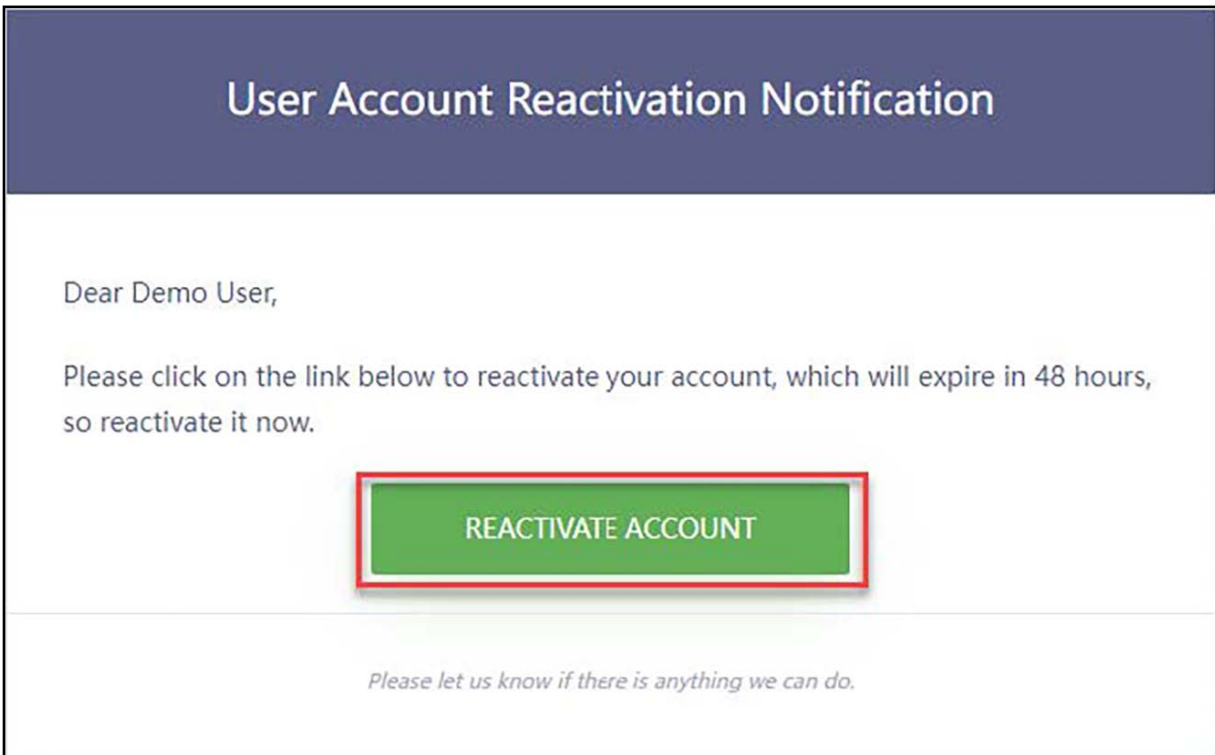
After selecting ACTIVATE ACCOUNT, a new pop-up window called **Activate account** displays.

Enter the **[Activation Code]** > and select **[SEND ACTIVATION EMAIL]**.



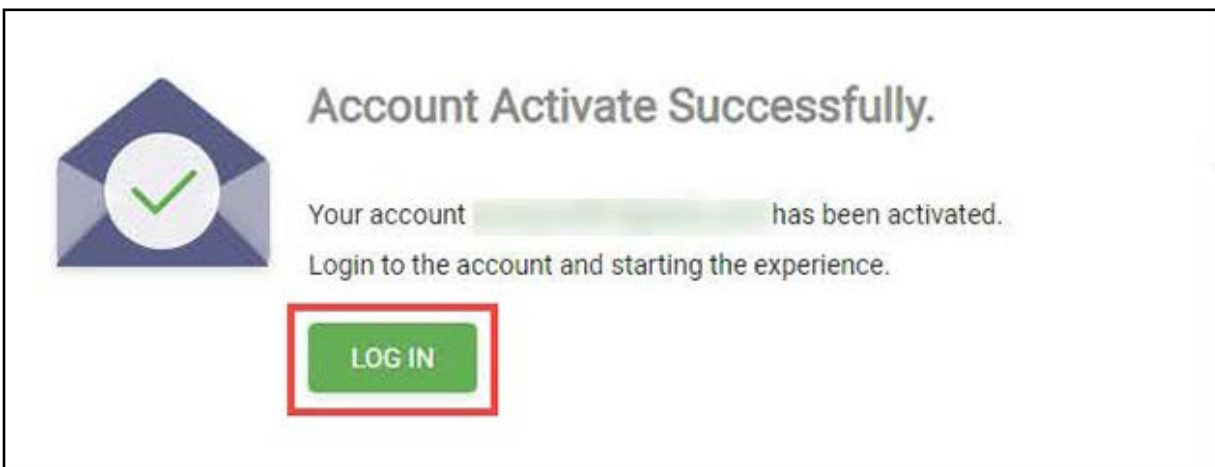
After sending the activation email, please go to your mailbox to complete the activation process.

Select: **[REACTIVATE ACCOUNT]** > in the activation email, and complete the self-activation process.



After completing the self-activation process, a pop-up window will display **Account Activate Successfully**.

Select: **[LOG IN]** to log in.



## 2.10 Personal Center

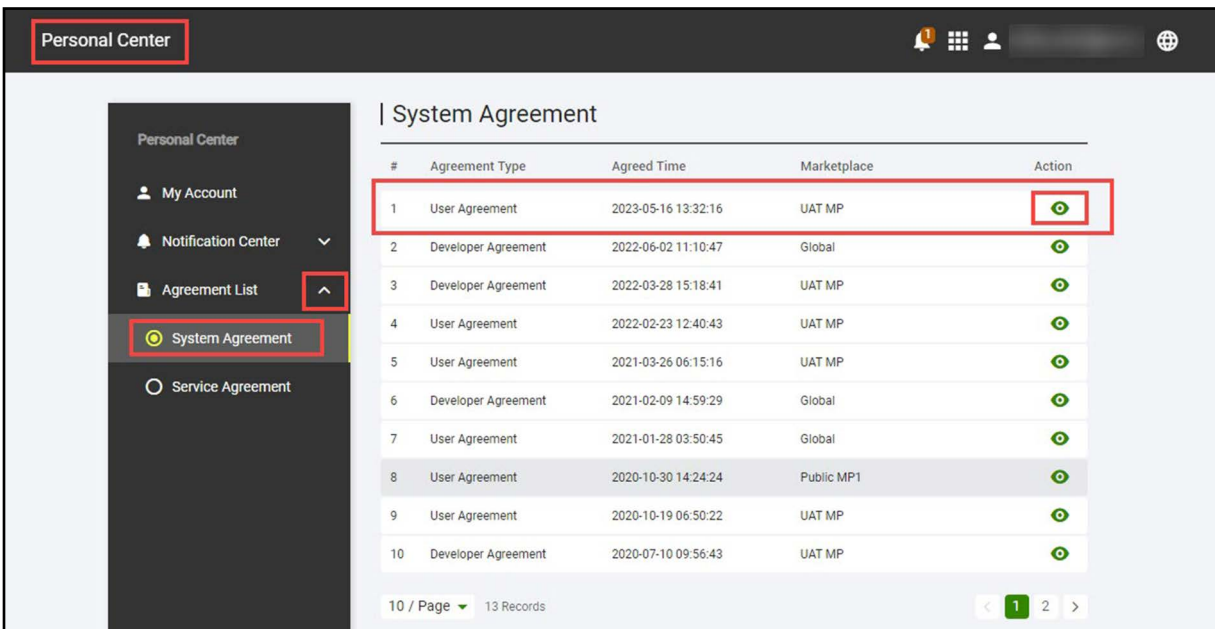
### 2.10.1 Agreement List











A new feature for Premium Marketplace Owners and Resellers is the **Agreement List** menu in the **Personal Center**, allowing users to view the agreements they have accepted.

- **System Agreement:** Lists of the User Agreements, Developer Agreements, Privacy Policies, and Platform Agreements that the user has accepted.
- **Service Agreement:** Lists the value-added service agreements that the user has accepted.

Select: **[Personal Center] > [Agreement List] > [System Agreement] > [System Agreement Name] > [View Detail Icon]**.

Users can select the **View Detail** icon to view the agreement details.



#	Agreement Type	Agreed Time	Marketplace	Action
1	User Agreement	2023-05-16 13:32:16	UAT MP	
2	Developer Agreement	2022-06-02 11:10:47	Global	
3	Developer Agreement	2022-03-28 15:18:41	UAT MP	
4	User Agreement	2022-02-23 12:40:43	UAT MP	
5	User Agreement	2021-03-26 06:15:16	UAT MP	
6	Developer Agreement	2021-02-09 14:59:29	Global	
7	User Agreement	2021-01-28 03:50:45	Global	
8	User Agreement	2020-10-30 14:24:24	Public MP1	
9	User Agreement	2020-10-19 06:50:22	UAT MP	
10	Developer Agreement	2020-07-10 09:56:43	UAT MP	

10 / Page 13 Records

## 2.11 API

A new feature for Premium Marketplace Owners is a series of APIs related to terminals. These APIs support third-party systems to retrieve terminal information or perform terminal-related operations based on the terminal Serial Number.

### 2.11.1 Get Terminal API

The get terminal API allows the third-party system to get a terminal by the terminal serial number.

- `public Result<TerminalDTO> getTerminalBySn(String serialNo)`
- `public Result<TerminalDTO> getTerminalBySn(String serialNo, boolean includeDetailInfoList)`
- `public Result<TerminalDTO> getTerminalBySn(String serialNo, boolean includeDetailInfoList, boolean includeInstalledApks)`

**Get a terminal by serial no**

The get terminal API allows the thirdparty system get a terminal by terminal serial no. If the terminal does not exist the data field in result is null.

API

```

public Result<TerminalDTO> getTerminalBySn(String serialNo)
public Result<TerminalDTO> getTerminalBySn(String serialNo, boolean includeDetailInfoList)
public Result<TerminalDTO> getTerminalBySn(String serialNo, boolean includeDetailInfoList, boolean includeInstalledApks)

```

Input parameter(s) description

Parameter Name	Type	Nullable	Description
serialNo	String	false	The terminal serial no.

Sample codes

```

TerminalApi terminalApi = new TerminalApi("https://api.whatspos.com/p market api", "REASPHMHGYNH3HSGPW6T3", "TUNLDZVZECWKCZ4FW07");
//simple info
Result<TerminalDTO> result = terminalApi.getTerminalBySn("SN6132522");
//includeDetailInfoList, whether to return Detail Info and Accessory List
Result<TerminalDTO> result = terminalApi.getTerminalBySn("SN6132522",true);

```

Client side validation failed sample result(JSON formatted)

```

{
  "businessCode": -1,
  "validationErrors": ["Parameter serial no cannot be null!"]
}

```

Server side validation failed sample result(JSON formatted)

```

{
  "businessCode": 1801,
  "message": "Terminal doesn't exist"
}

```

### 2.11.2 Update Terminal API

The update terminal API allows the third-party system update to an existing terminal by serial number.

- `public Result<TerminalDTO> updateTerminalBySn(String serialNo, TerminalUpdateRequest terminalUpdateRequest)`

**Update a terminal by serial no**

Update terminal API allows the thirdparty system update a exist terminal by serial no.

API

```
public Result<TerminalDTO> updateTerminalBySn(String serialNo, TerminalUpdateRequest terminalUpdateRequest)
```

Input parameter(s) description

Parameter Name	Type	Nullable	Description
serialNo	String	false	Terminal's serial no.
terminalUpdateRequest	TerminalUpdateRequest	false	Update terminal request object. The structure shows below.

Structure of class TerminalUpdateRequest

Property Name	Type	Nullable	Description
name	String	false	The name of terminal, max length is 64.
tid	String	true	The tid of terminal. If it is empty system will generate a tid when creating. And the length range is from 8 to 16.
serialNo	String	true	The serial number of terminal. If the status is active the serial number is mandatory.
merchantName	String	true	The merchant of terminal belongs to. If the initial is active then merchantName is mandatory. The max length is 64. Make sure the merchant belongs to the given reseller
resellerName	String	false	The reseller of terminal belongs to. Max length is 64.
modelName	String	false	The model name of terminal. Max length is 64.
location	String	true	The location of terminal, max length is 64.
remark	String	true	The remark of terminal, max length is 500.

### 2.11.3 Copy Terminal API

The copy terminal API allows the third-party system to copy a terminal by the origin terminal serial number.

- `public Result<TerminalDTO> copyTerminalBySn(TerminalCopyRequest terminalCopyRequest)`

#### Copy a terminal by serial no

Copy terminal API allows the thirdparty system to copy a terminal by origin terminal serial no.

##### API

```
public Result<TerminalDTO> copyTerminalBySn(TerminalCopyRequest terminalCopyRequest)
```

##### Input parameter(s) description

Parameter Name	Type	Nullable	Description
terminalCopyRequest	TerminalCopyRequest	false	copy terminal request object. The structure shows below.

##### Structure of class TerminalCopyRequest

Property Name	Type	Nullable	Description
name	String	false	The name of terminal, max length is 64.
tid	String	true	The tid of terminal. If it is empty system will generate a tid when creating. And the length range is from 8 to 16.
sourceSerialNo	String	false	The serial number of source terminal. The serial number is mandatory.
serialNo	String	false	The serial number of terminal. If the status is active the serial number is mandatory.
status	String	false	Status of terminal, value can be one of A(Active) and P(Pending). A is for Active and P is for Pending

##### Sample codes

```
TerminalApi terminalApi = new TerminalApi("https://api.whatspos.com/p-market-api", "RCASMDH5VNGHNS5GPW6T3", "TUNLDZVZCHNKZ4FW07");
TerminalCopyRequest copyRequest = new TerminalCopyRequest();
copyRequest.setTerminalId(12453434534);
copyRequest.setName("COPY FROM 13453434534");
copyRequest.setSourceSerialNo("1200000001");
copyRequest.setSerialNo("1200000002");
copyRequest.setStatus(TerminalStatus.Active);
Result<TerminalDTO> copyResult = terminalApi.copyTerminalBySn(copyRequest);
logger.debug("Result of copy terminal: {}", copyResult.toString());
Assert.assertTrue(copyResult.getBusinessCode() == 0);
```

### 2.11.4 Activate Terminal API

The activate terminal API allows the third-party system to activate a terminal by serial number.

- `public Result<String> activateTerminalBySn(String serialNo)`

**Activate a terminal by serial no**

Activate terminal API allows the thirdparty system to activate a terminal by serial no.

**API**

```
public Result<String> activateTerminalBySn(String serialNo)
```

**Input parameter(s) description**

Parameter Name	Type	Nullable	Description
serialNo	String	false	The terminal serial no.

**Sample codes**

```
TerminalApi terminalApi = new TerminalApi("https://api.whatspos.com/p-market-api", "RCA9MDH6YN3WS5GPW6TJ", "TUNLDZVZEC#KZ4FW07");
Result<String> result = terminalApi.activateTerminalBySn("S06132521");
```

**Client validation failed sample result(JSON formatted)**

```
{
  "businessCode": -1,
  "validationErrors": ["Parameter terminalId cannot be null and cannot be less than 1!"]
}
```

**Server side validation failed sample result(JSON formatted)**

```
{
  "businessCode": 1000,
  "message": "Terminal not found"
}
```

### 2.11.5 Disable Terminal API

The disable terminal API allows the third-party system to disable a terminal by serial number. Disable is successful when there is no response content from the remote server.

- `public Result<String> disableTerminalBySn(String serialNo)`

**Disable a terminal by serial no**

The disable terminal API allows the thirdparty system disable a terminal by serial no. If disable successfully there's not response content from remote server.

**API**

```
public Result<String> disableTerminalBySn(String serialNo)
```

**Input parameter(s) description**

Parameter Name	Type	Nullable	Description
serialNo	String	false	The terminal serial no.

**Sample codes**

```
TerminalApi terminalApi = new TerminalApi("https://api.whatspos.com/p-market-api", "RCA9MDH6YN3WS5GPW6TJ", "TUNLDZVZEC#KZ4FW07");
Result<String> result = terminalApi.disableTerminalBySn("TJ00001002");
```

**Client validation failed sample result(JSON formatted)**

```
{
  "businessCode": -1,
  "validationErrors": ["Parameter terminal serial no cannot be null!"]
}
```

### 2.11.6 Move Terminal API

The move terminal API allows the third-party system to move a terminal to another reseller and merchant by serial number.

- `public Result<String> moveTerminalBySn(String serialNo, String resellerName, String merchantName)`

#### Move a terminal by serial no

The move terminal API allows the thirdparty system move a terminal to another reseller and merchant by terminal serialNo. If the terminal is not applicable for the exist groups after move, the terminal will be removed from the groups. If move successfully there's not response content from remote server.

#### API

```
public Result<String> moveTerminalBySn(String serialNo, String resellerName, String merchantName)
```

#### Input parameter(s) description

Parameter Name	Type	Nullable	Description
terminalId	Long	false	The terminal id.
resellerName	String	false	The target reseller name to move.
merchantName	String	false	The target merchant name to move.

#### Sample codes

```
TerminalApi terminalApi = new TerminalApi("https://api.whatspos.com/p-market-api", "RCA9MDH6VNB3SSGPW6TJ", "TUNLDZVZECHNCZ4FWB7");
Result<String> result = terminalApi.moveTerminalBySn("SN6132522", "targetReseller", "targetMerchant");
```

#### Client validation failed sample result(JSON formatted)

```
{
  "businessCode": -1,
  "validationErrors": ["Parameter terminal serialNo cannot be null!"]
}
```



### 2.11.7 Delete Terminal API

The delete terminal API allows the third-party system to delete an existing terminal by the terminal serial number. If delete is successful, there is no response content from a remote server.

- `public Result<String> deleteTerminalBySn(String serialNo)`

#### Delete a terminal by serial no

Delete terminal API allows the thirdparty system delete a exist terminal by terminal serial no. If delete successfully there's no response content from remote server.

API

```
public Result<String> deleteTerminalBySn(String serialNo)
```

Input parameter(s) description

Parameter Name	Type	Nullable	Description
serialNo	String	false	The terminal serialNo.

Sample codes

```
TerminalApi terminalApi = new TerminalApi("https://api.whatspos.com/p-market-api", "RCA9MDH6YN3HSSGPWGTJ", "TUNLDZYZECHNCZ4FW07");  
Result<String> result = terminalApi.deleteTerminal(907560L);
```

Client validation failed sample result(JSON formatted)

```
{  
  "businessCode": -1,  
  "validationErrors": ["parameter terminalId cannot be null and cannot be less than 1!"]  
}
```

Server side validation failed sample result(JSON formatted)

```
{  
  "businessCode": 1877,  
  "message": "The terminal is active,unable to delete!"  
}
```

### 2.11.8 Batch Add Terminal to Group API

The batch adds a terminal to a group API allows the third-party system to add terminals to one or more groups by terminal serial number.

- `public Result<String> batchAddTerminalToGroupBySn(TerminalSnGroupRequest groupRequest)`

**Batch add terminal to group by serialNo**

Batch add terminal to group API allows the thirdparty system to add terminals to one or more groups.

**API**

```
public Result<String> batchAddTerminalToGroupBySn(TerminalSnGroupRequest groupRequest)
```

**Input parameter(s) description**

Parameter Name	Type	Nullable	Description
groupRequest	TerminalGroupRequest	false	add terminals to group request object. The structure shows below.

**Structure of class TerminalGroupRequest**

Property Name	Type	Nullable	Description
serialNos	Set<Long>	false	terminal serialNo list
groupIds	Set<Long>	false	group id list
Sample codes			

```
TerminalApi terminalApi = new TerminalApi("https://api.whatspos.com/p-market-api", "RCA9MDH6YN3MSSGPW6T3", "TUNLDZVZECHWKZ4FWB7");
TerminalSnGroupRequest groupRequest = new TerminalSnGroupRequest();
Set<String> serialNoList = new HashSet<>();
serialNoList.add("SN6132522");
serialNoList.add("SN6685133");
Set<Long> groupIds = new HashSet<>();
groupIds.add(165291);
groupIds.add(165271);
groupRequest.setSerialNos(serialNoList);
groupRequest.setGroupIds(groupIds);
Result<String> result = terminalApi.batchAddTerminalToGroupBySn(groupRequest);
```

### 2.11.9 Update Terminal Configuration API

Update the terminal configuration, such as whether to allow terminal replacement by API or input serial number on the terminal.

- `public Result<String> updateTerminalConfigBySn(String serialNo, TerminalConfigUpdateRequest terminalConfigUpdateRequest)`

#### Update terminal configuration serialNo

Update terminal configuration like whether allow terminal replacement by API or input serial no on terminal.

##### API

```
public Result<String> updateTerminalConfigBySn(String serialNo, TerminalConfigUpdateRequest terminalConfigUpdateRequest)
```

##### Input parameter(s) description

Parameter Name	Type	Nullable	Description
serialNo	String	false	Terminal's serialNo.
terminalConfigUpdateRequest	TerminalConfigUpdateRequest	false	Update terminal config request object. The structure shows below.
terminalReplacementUpdateRequest	TerminalReplacementUpdateRequest	false	Update terminal replacement config request object. The structure shows below.
terminalTimeZoneUpdateRequest	TerminalTimeZoneUpdateRequest	false	Update terminal time zone config request object. The structure shows below.

##### Structure of class TerminalReplacementUpdateRequest

Property Name	Type	Nullable	Description
allowReplacement	Boolean	false	Whether allow terminal replacement by API or input serial number on terminal

##### Structure of class TerminalTimeZoneUpdateRequest

Property Name	Type	Nullable	Description
automaticTimezoneEnable	Boolean	true	Enable to use the network-provided time zone
timeZone	String	true	The terminal time zone

### 2.11.10 Get Terminal Configuration API

The get terminal configuration API allows the third-party system to get the terminal configuration by terminal serial number.

- `public Result<TerminalConfigDTO> getTerminalConfigBySn(String serialNo)`

**Get terminal configuration by serialNo**

Get terminal configuration.

API

```
public Result<TerminalConfigDTO> getTerminalConfigBySn(String serialNo)
```

Input parameter(s) description

Parameter Name	Type	Nullable	Description
serialNo	String	false	Terminal's serialNo.

Sample codes

```
TerminalApi terminalApi = new TerminalApi("https://api.whatspos.com/p-market-api", "RCA9MDH6YN3HSSGPW6TJ", "TUNLDZVZEONKZ4FWB7");  
Result<TerminalConfigDTO> result = terminalApi.getTerminalConfigBySn("SN6132522");
```

Client side validation failed sample result(JSON formatted)

```
{  
  "businessCode": -1,  
  "validationErrors": ["Parameter terminal SerialNo cannot be null!"]  
}
```

Server side validation failed sample result(JSON formatted)

```
{  
  "businessCode": 1800,  
  "message": "Terminal not found"  
}
```

### 2.11.11 Get Terminal PED API

The get terminal PED information API allows the third-party system to get the terminal PED information by terminal serial number.

- `public Result<TerminalPedDTO> getTerminalPedBySn(String serialNo)`

**Get terminal PED information by serialNo**

Get terminal PED information by terminal serialNo.

API

```
public Result<TerminalPedDTO> getTerminalPedBySn(String serialNo)
```

Input parameter(s) description

Parameter Name	Type	Nullable	Description
serialNo	String	false	Terminal's serialNo.

Sample codes

```
TerminalApi terminalApi = new TerminalApi("https://api.whatsapp.com/p-market-api", "RCASMDH6YNEJMSGPWGT3", "TUNLDZVZECHNKZ4FW07");  
Result<TerminalPedDTO> result = terminalApi.getTerminalPedBySn("SN6132522");
```

Client side validation failed sample result(JSON formatted)

```
{  
  "businessCode": -1,  
  "validationErrors": ["Parameter terminal serialNo cannot be null!"]  
}
```

Server side validation failed sample result(JSON formatted)

```
{  
  "businessCode": 1800,  
  "message": "Terminal not found"  
}
```

### 2.11.12 Move Terminal API

The move terminal API allows the third-party system to move a terminal to another reseller and merchant by terminal serial number.

- `public Result<String> moveTerminalBySn(String serialNo, String resellerName, String merchantName)`

**Move terminal**  
Move a terminal to another reseller and merchant

API

```
public Result<String> moveTerminalBySn(String serialNo, String resellerName, String merchantName)
```

Input parameter(s) description

Parameter Name	Type	Nullable	Description
serialNo	String	false	Terminal's serialNo.
resellerName	String	false	The target reseller name the terminal move to
merchantName	String	false	The target merchant name the terminal move to

Sample codes

```
TerminalApi terminalApi = new TerminalApi("https://api.whatspos.com/p-market-api", "RCAS9MDH6YN3HSSGPW6TJ", "TUNLDZVZECHMKZ4FW07");  
Result<String> result = terminalApi.moveTerminalBySn("SN6132522", "PAX", "6666");
```

Client side validation failed sample result(JSON formatted)

```
{  
  "businessCode": -1,  
  "validationErrors": ["Parameter resellerName is mandatory!"]  
}
```

### 2.11.13 Push Command to Terminal API

The push command to terminal API allows a third-party system to push lock, unlock, and restart commands to the terminal using the terminal serial number.

- `public Result<String> pushCmdToTerminalBySn(String serialNo, TerminalApi.TerminalPushCmd command)`

#### Push Command to Terminal by serialNo

Push lock, unlock and restart command to terminal

API

```
public Result<String> pushCmdToTerminalBySn(String serialNo, TerminalApi.TerminalPushCmd command)
```

Input parameter(s) description

Parameter Name	Type	Nullable	Description
serialNo	String	false	Terminal's serialNo.
command	TerminalPushCmd	false	Value can be TerminalPushCmd.Lock, TerminalPushCmd.Unlock and TerminalPushCmd.Restart

Sample codes

```
TerminalApi terminalApi = new TerminalApi("https://api.whatspos.com/p-market-api", "RCASMDH6YN3WSSGPW6T3", "TUNLDZVZECHWZ4FW07");
Result<String> result = terminalApi.pushCmdToTerminal(terminalId, TerminalPushCmd.Lock);
```

Client side validation failed sample result(JSON formatted)

```
{
  "businessCode": -1,
  "validationErrors": ["Parameter terminalId cannot be null and cannot be less than 1!"]
}
```

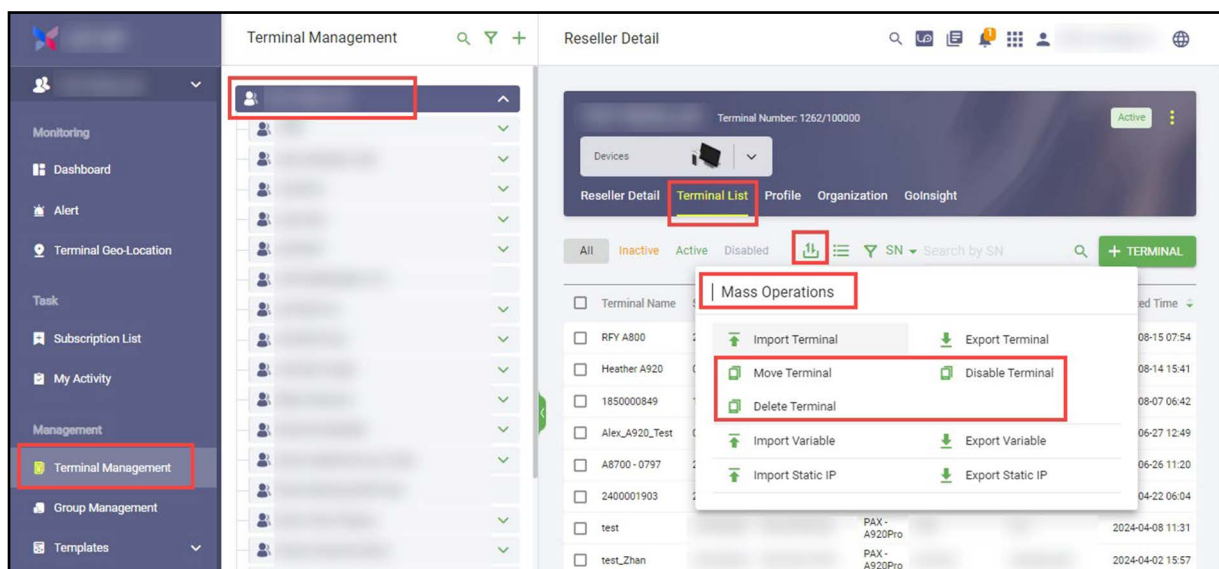
## 3. Enhancements

### 3.1 Terminal Management

#### 3.1.1 Mass Import Operation Logs

A new enhancement for Premium Marketplace Owners and Resellers is the categorization logic for terminal mass operation logs. Previously, the mass import operation logs for Move Terminal, Disable Terminal, and Delete Terminal were recorded under the Import action of Terminal typeH, which could confuse users. Now, these logs are moved to the respective Move, Disable, and Delete actions, making it easier for users to find.

Select: **[Terminal Management] > [Terminal List] > [Mass Operations Icon] > Mass Operations Menu**

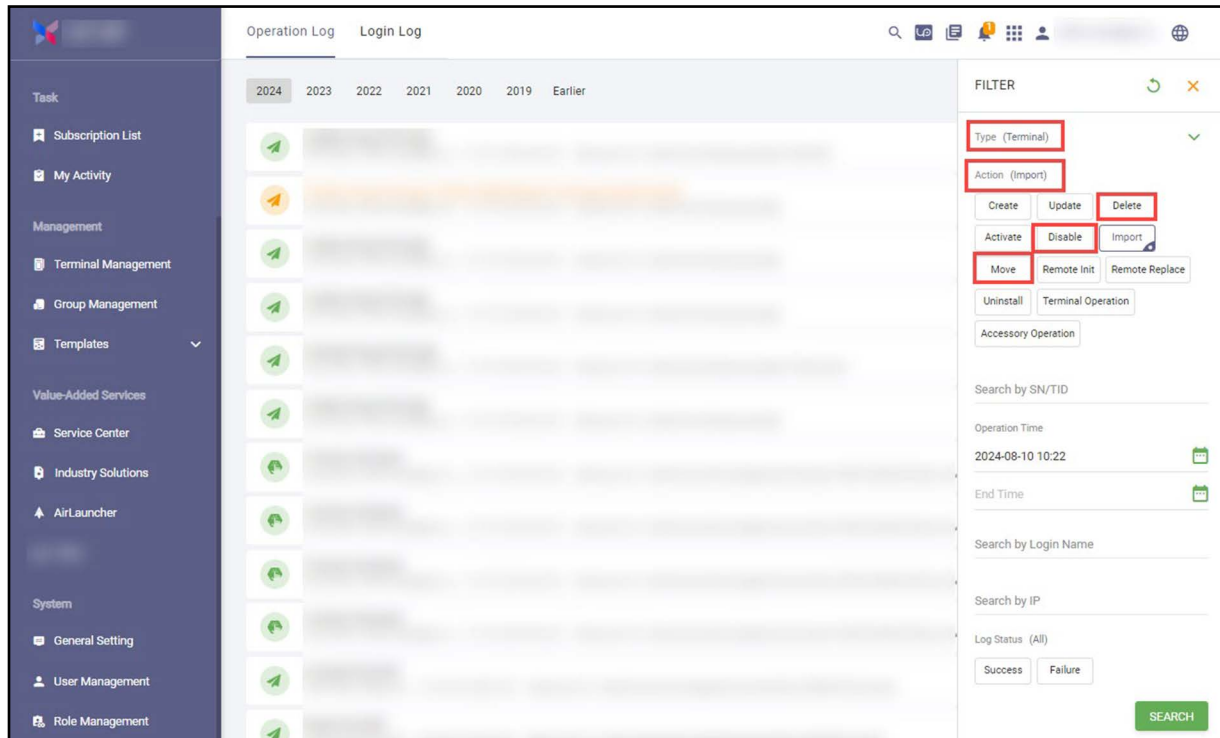




### 3.1.2 Audit Logs

A new enhancement for Premium Marketplace Owners and Resellers, is that these logs were moved to their respective Move, Disable, and Delete actions, making it easier for users to find them.

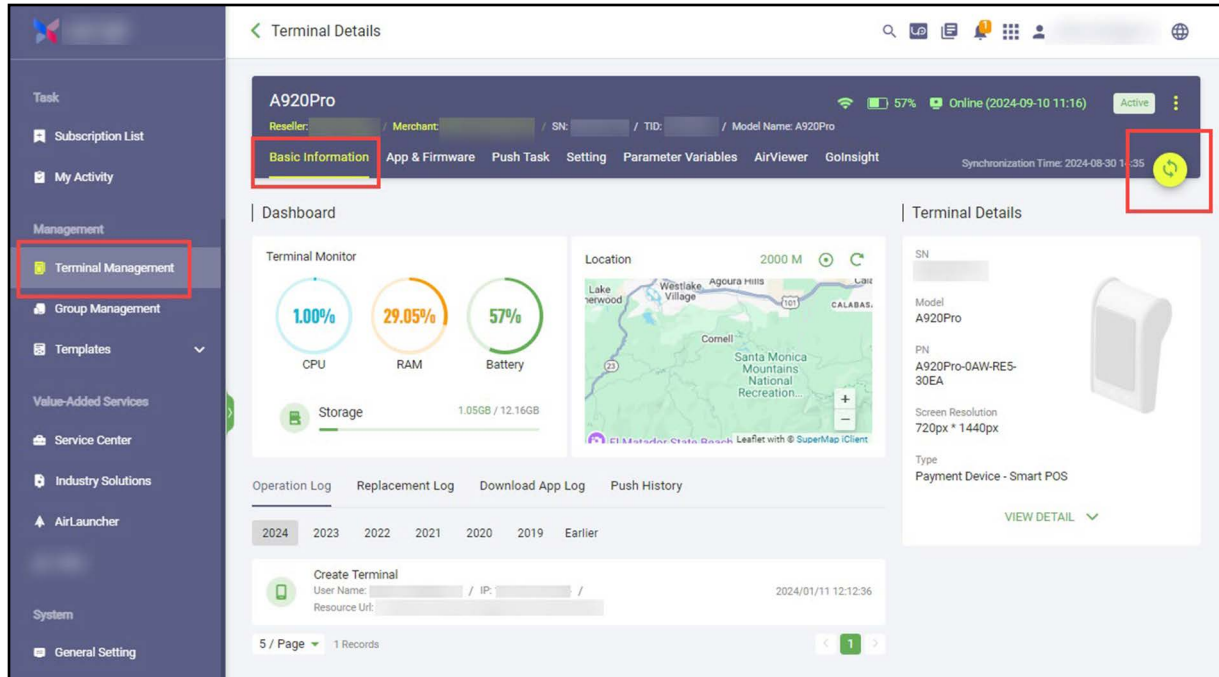
Select: **[Audit Log] > [Operation Log] > [Type = Terminal] > [Action = Import]** > see Delete, Disable, and Move options.



### 3.1.3 Synchronized Terminal Button

A new enhancement for Premium Marketplace Owners and Resellers is the **Synchronize Terminal** button's effect, which is based on WCAG requirements.

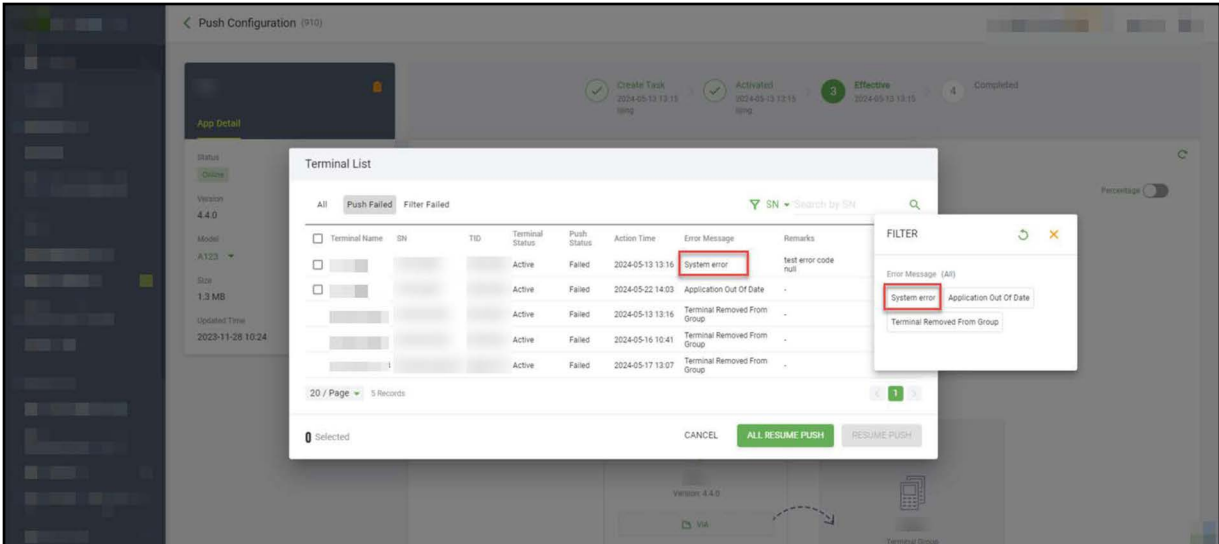
Select: **[Terminal Management] > [Terminal] > [Basic Information] > [Synchronize Terminal Icon]**.



## 3.2 Group Management

### 3.2.1 Push Task Error Message

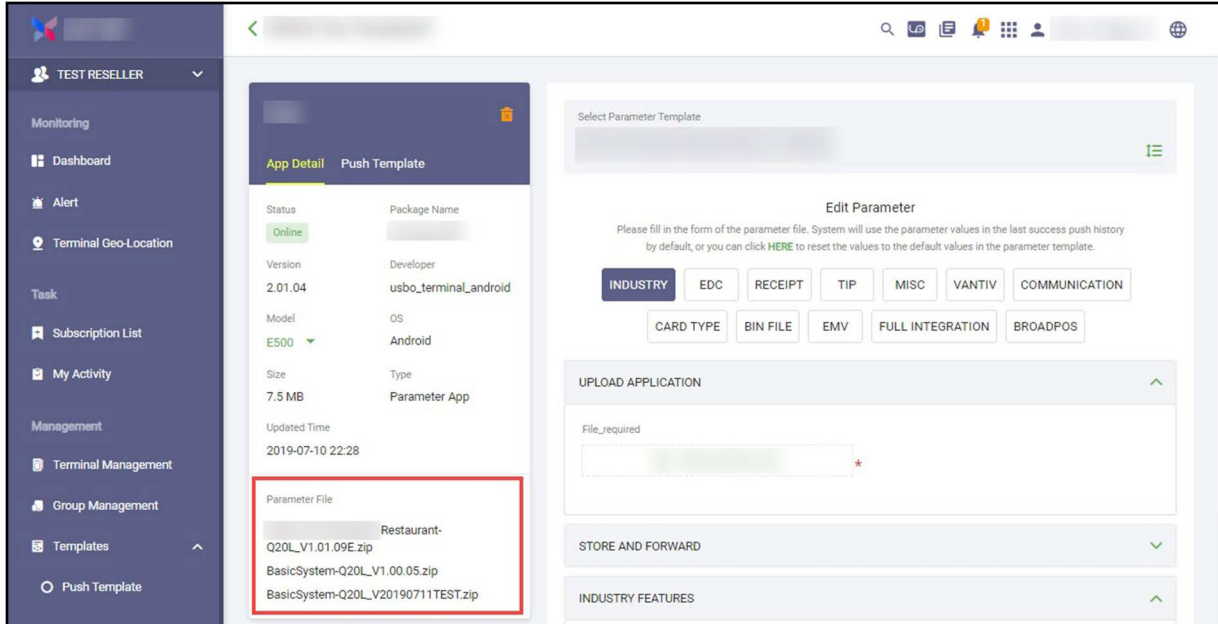
A new enhancement for Premium Marketplace Owners and Resellers applies to the error message when the push task fails. Previously, if an undefined error code was returned after a push task failed, the error message displayed as “-”. Now it displays **“System error”** for easier understanding.



## 3.3 Templates

### 3.3.1 Display Order of Parameter Files

A new enhancement for Premium Marketplace Owners and Resellers is the display order of parameter files in all affected areas. They are sorted in a descending order based on the upload time.



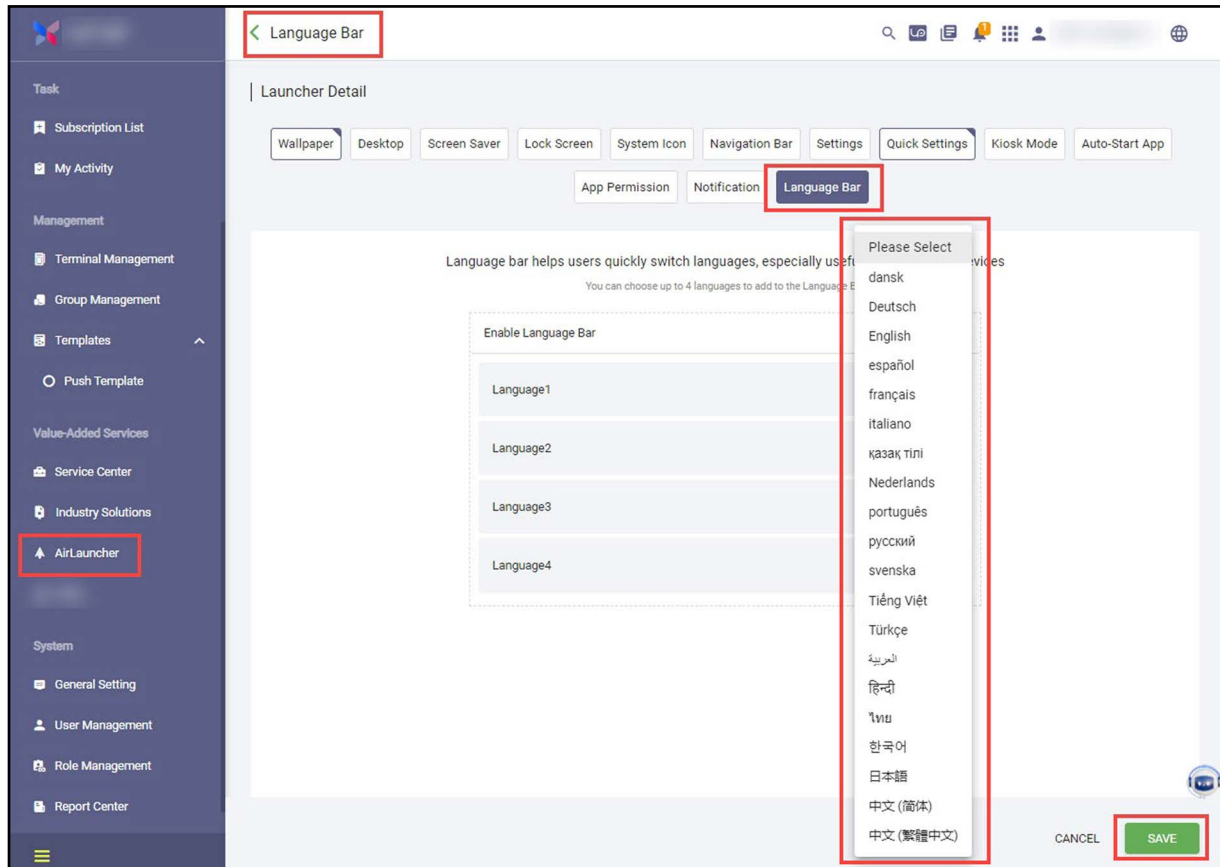
The screenshot displays the PAXSTORE Premium Marketplace interface. On the left is a sidebar with navigation options: TEST RESELLER, Monitoring, Dashboard, Alert, Terminal Geo-Location, Task, Subscription List, My Activity, Management, Terminal Management, Group Management, Templates, and Push Template. The main content area is titled 'App Detail' and 'Push Template'. It shows details for a parameter app, including Status (Online), Package Name, Version (2.01.04), Developer (usbo\_terminal\_android), Model (E500), OS (Android), Size (7.5 MB), Type (Parameter App), and Updated Time (2019-07-10 22:28). A red box highlights the 'Parameter File' section, which lists three files sorted by upload time in descending order: 'Restaurant-Q20L\_V1.01.09E.zip', 'BasicSystem-Q20L\_V1.00.05.zip', and 'BasicSystem-Q20L\_V20190711TEST.zip'. The right side of the interface shows the 'Edit Parameter' section with various tabs and an 'UPLOAD APPLICATION' section.

## 3.4 AirLauncher

### 3.4.1 Language Bar

A new enhancement for Premium Marketplace Owners: Previously, the drop-down list for the language selection had hundreds of languages. Now the language options have been reduced and displays the ones listed below.

Select: **[AirLauncher] > [AirLauncher Template] > [Language Bar] > [Enable Language Bar] > [Language] > [SAVE]**.

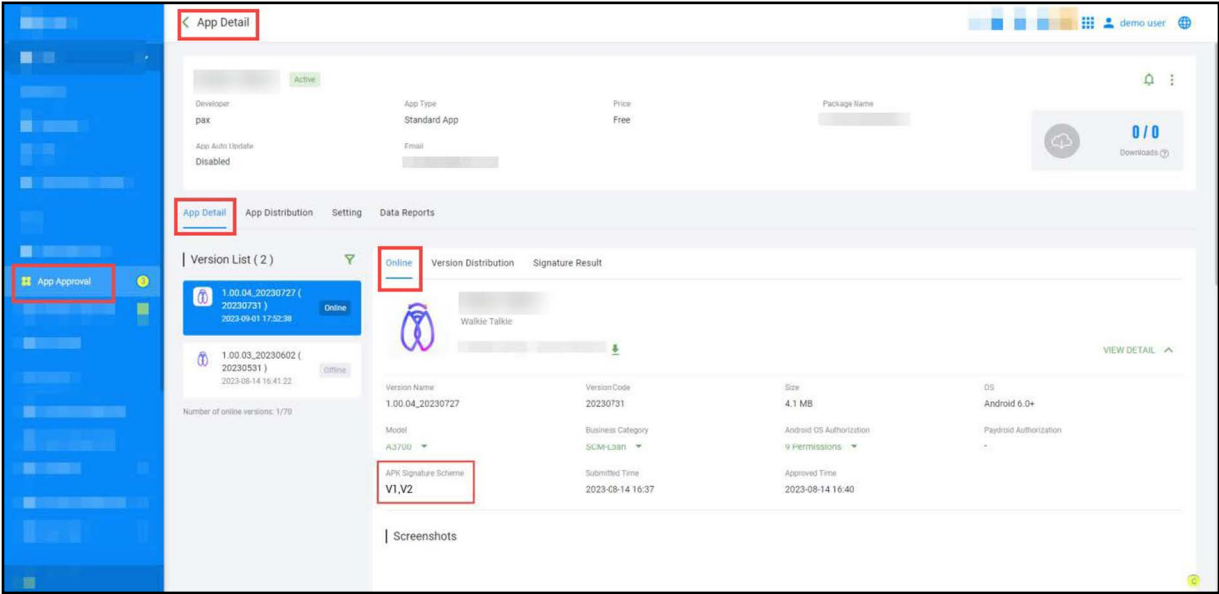


3.5 APK

3.5.1 APK Signature Scheme

A new enhancement for Resellers is the display logic of the APK Signature Scheme. Previously, when the APK had both V1 and V2 signatures, the APK Signature Scheme was only displayed as V1. Now, it will display both.


Select: **[App Approval]** > App Detail > **[App Detail]** > **[Online]** > **[APK Signature Scheme]**.



### 3.6 Report Center

#### 3.6.1 Removed Output Format Filter

A new enhancement for Premium Marketplace Owners and Resellers and removed the **Output Format** filter icon.



Task

Subscription List

My Activity

Management

Terminal Management

Group Management


Templates

Value-Added Services

Service Center


Industry Solutions

Report Center




RKI Statistics Report

For statistics on RKI push records




Terminal Variable Report

For statistics on variables on the terminal




PUK Distribution Report

For statistics on the distribution of individual PUK install...




App Installation Report

For statistics on terminals by installed application




App Parameter Report

For statistics on the latest parameters on the terminal a...



Terminal Replacement Report

For statistics on terminals that have been replaced






Terminal Info Report




For statistics on general information about the terminal

Terminal Info Report

Active



+ REPORT TASK

#	Report	Created Time	Action
1	Terminal Info Report_20240608130840	2024-06-08 11:14	Completed
2	Terminal Info Report_20240607145818	2024-06-07 12:58	Completed
3	Terminal Info Report_20240607145450	2024-06-07 12:55	Completed
4	Terminal Info Report_20230103224303	2023-01-03 22:43	Completed
5	Terminal Info Report_20230103212003	2023-01-03 21:20	Completed
6	Terminal Info Report_20220603111804	2022-06-03 11:33	  
7	Terminal Info Report_20220512004016	2022-05-12 00:39	Completed

20 / Page 7 Records

<

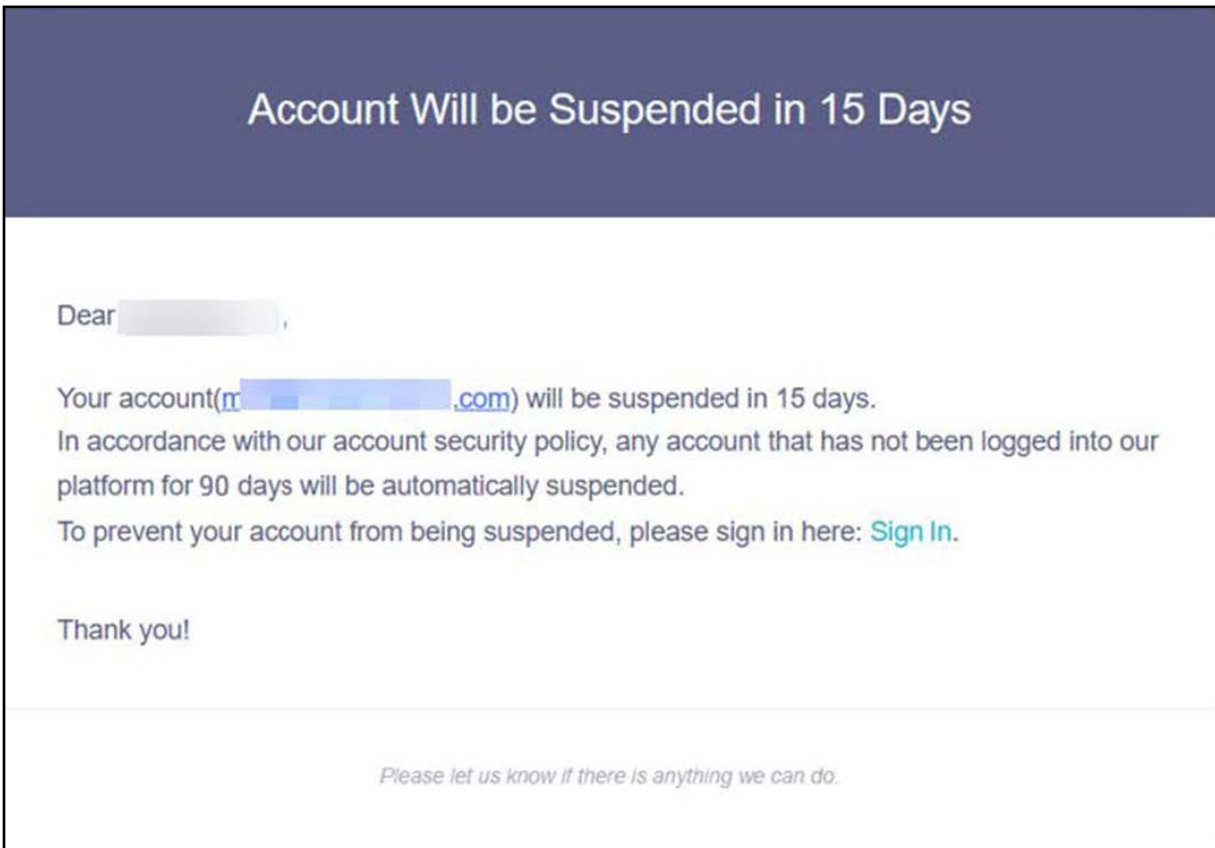
1

>

### 3.7 Personal Center

#### 3.7.1 User Account Suspension Email

A new enhancement for Premium Marketplace Owners and Resellers is the notification emails for user account suspension.





## 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](mailto:support@pax.us)

(877) 859-0099

[www.pax.us](http://www.pax.us)

PAX Technology Inc.  
8775 Baypine Road  
Jacksonville, FL 32256

This document is provided for informational purposes only. All features and specifications are subject to change without notice. The PAX name and PAX logo are registered trademarks of PAX Corporation and/or its affiliates. Other names may be trademarks of their respective owners. Copyright 2024, PAX Technology Limited, all rights reserved.

***\*PAX Technology, Inc. is not responsible for the content, quality, accuracy, or completeness of any information or materials contained in on these pages. PAX Technology, Inc. does not endorse any content, viewpoints, products, or services contained on these pages and shall not be held liable for any losses caused by reliance on the accuracy, reliability, or timeliness of such information. Any person or entity that relies on any information obtained from these pages does so at his/her own risk.***