

PAXSTORE
NORTH AMERICA

PAXSTORE North American Group

Release Notes 9.3 - Premium Marketplace Owner

06-25-2024

V1.0

Preface

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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

URL: www.pax.us

Revision History

Date	Version	Description
06-20-2024	v1.0	<ul style="list-style-type: none"><li data-bbox="591 348 797 373">• Initial release

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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 9.3 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

1.3 Acronyms and Terms

Acronyms 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 these into a powerful business tool 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>
SSO	<p>Single sign-on is a session and user authentication service that allows a user to use 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.</p>

2. New Features

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

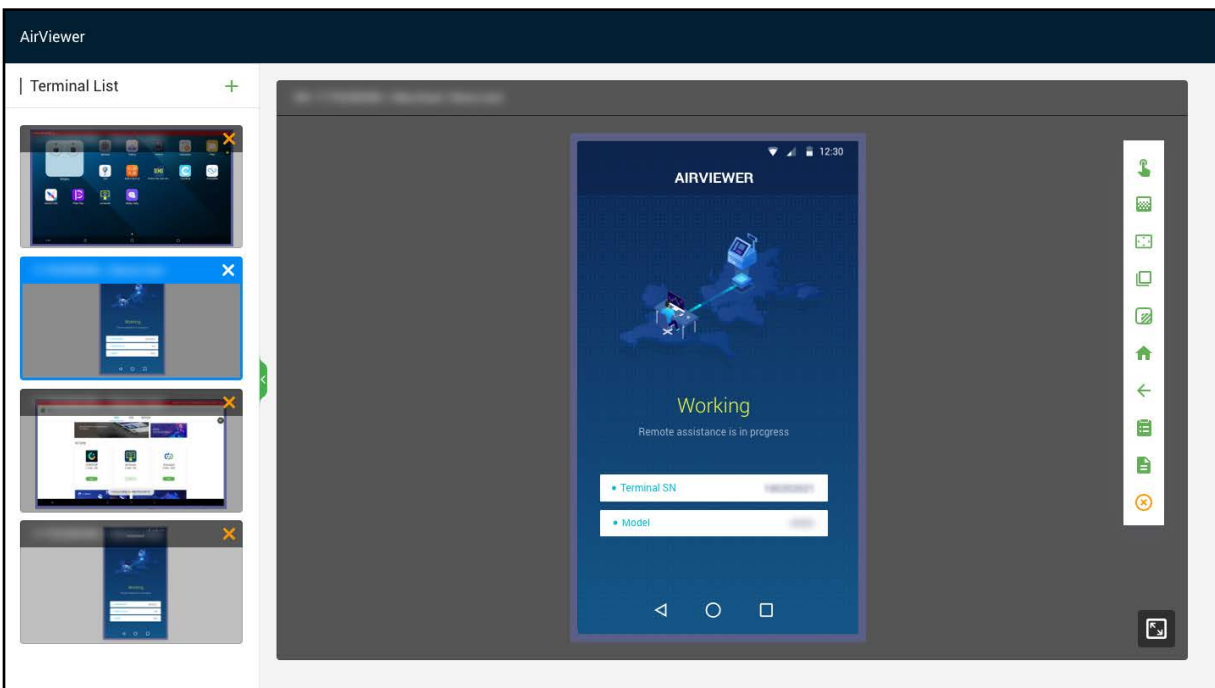
2.1 Value-Added Services

2.1.1 AirViewer

The AirViewer feature is for Premium Marketplace Owners only.

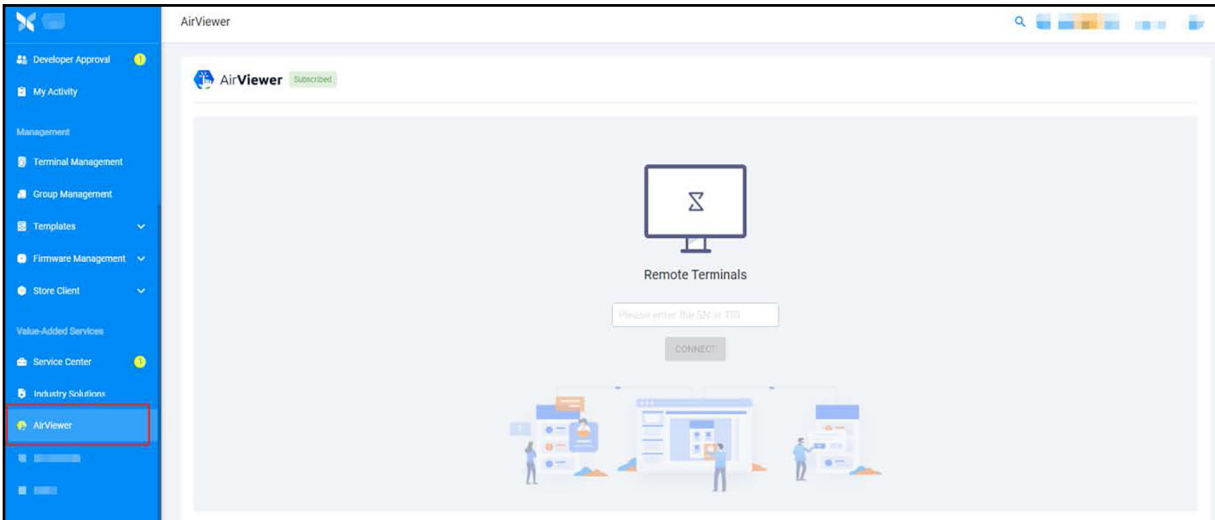
2.1.1.1 Multiple Session Remote

The multiple session remote terminals feature is available on AirViewer. Previously, users could only connect to one terminal at a time. Now, users can connect to multiple terminals at a same time and keep them all online, enhancing work efficiency.



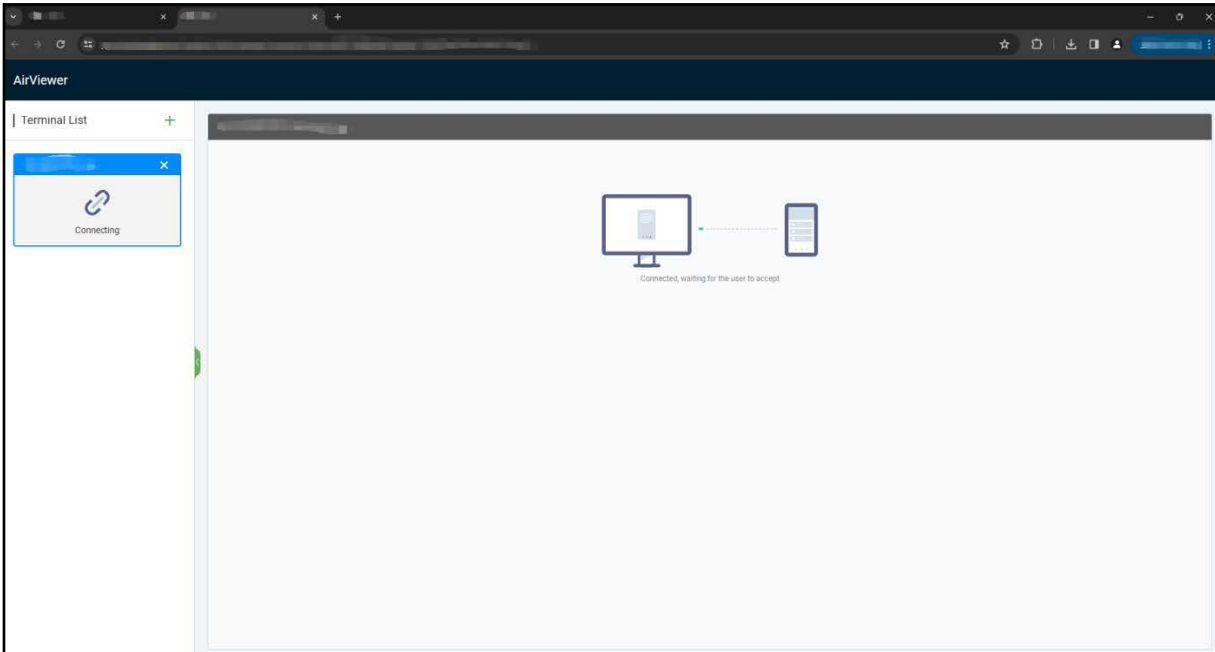
2.1.1.2 New Menu Under the Value-added Service Section

Previously, the entrance for connecting a terminal in the platform was within the terminal detail page, allowing only a single terminal connection. We have created a separate new menu under the value-added service section, where users can perform connections for multiple terminals.



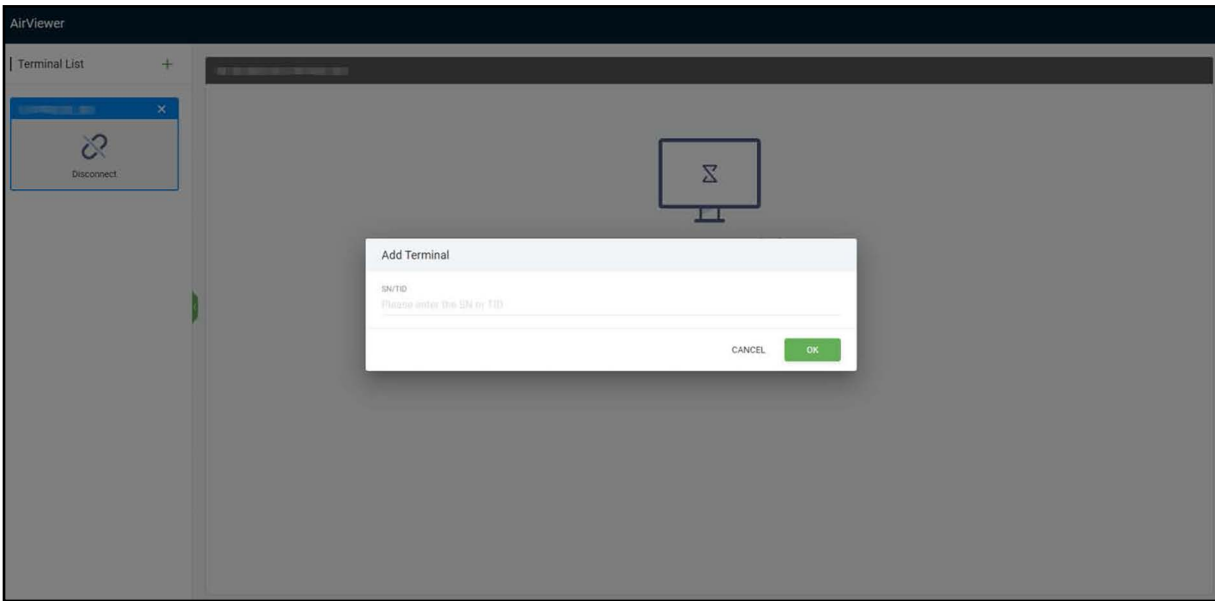
2.1.1.3 Connecting to Multiple Terminals

In the new page, the user can enter a terminal serial number or TID, and select the connect button, and a new tab will open. The user can add remote terminals in the new tab of the browser to perform multiple connections, up to 4 terminals connected simultaneously. If the browser is closed, all terminals will be disconnected.



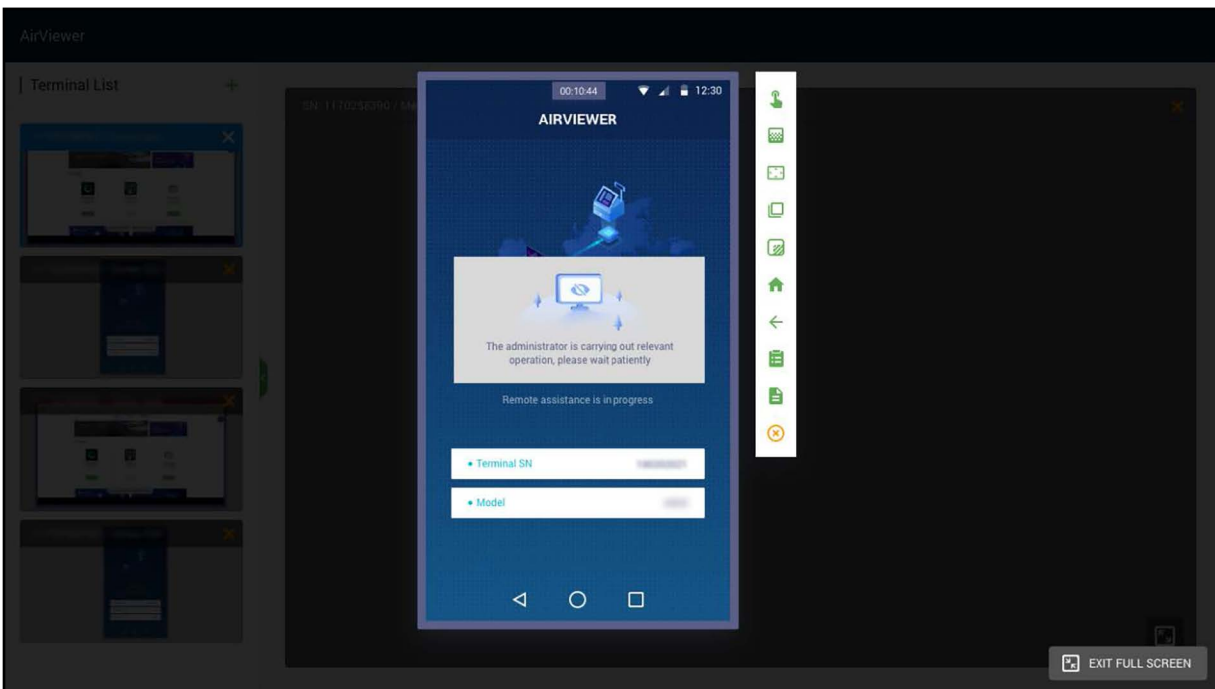
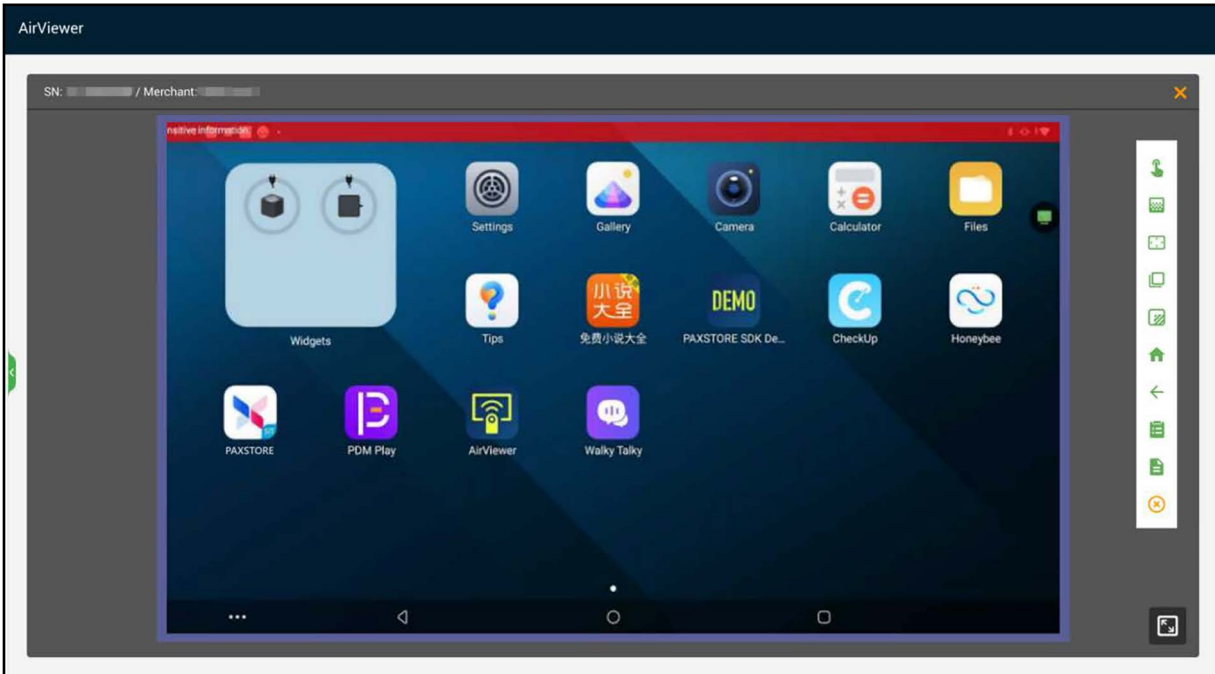
2.1.1.4 Adding and Deleting Terminals from the Remote Session

Users can add a terminal by selecting the **[+]** icon from the top of left side, which will open a pop-up window, input the serial number or TID and select **[OK]** to connect the terminal. If the current terminal list already has 4 terminals, it is not allowed to add more. However, the user can remove terminals by selecting **[✕]** on the terminal card from the left side and then add a new one.



2.1.1.5 Right Side Connection Menu

On the right side, users can remotely view and control the terminal. If users find the operation area on the right side too small, they can select the button in the bottom right corner to expand the connection page or fold up the left side.



2.1.1.6 AirViewer Connection Logs

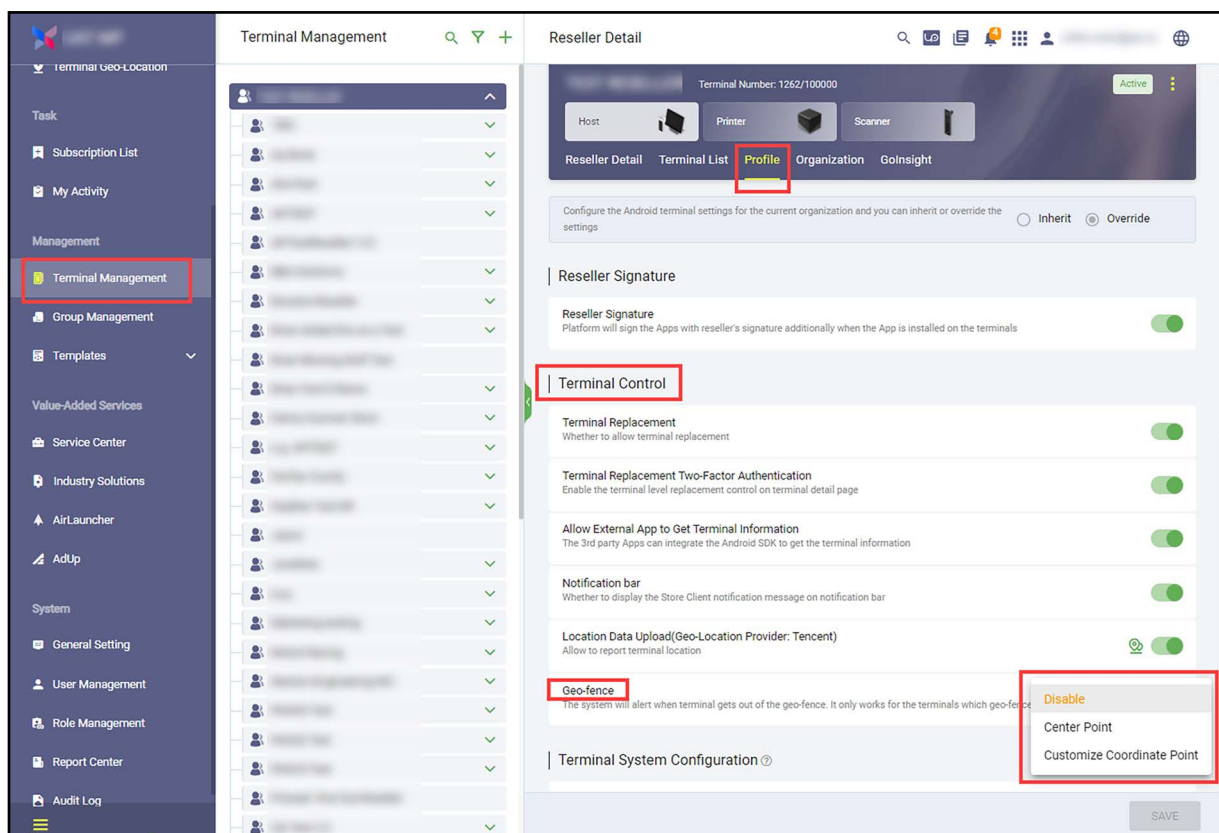
Only the connection logs from the past two years will be kept.

2.2 Customized Geo-fence

A new feature for Premium Marketplace Owners and Resellers is supporting users in setting customized Geo-fence ranges.

- The original Geo-fence switch was changed to a drop-down box and offered three options:
 - Disable
 - Center Point
 - Customize Coordinate Point

Select **[Terminal Management]** > **[Profile]** > Terminal Control > **[Geo-fence]** > **[Drop Down Options]** > **[Disable, Center Point, Customize Point]**.

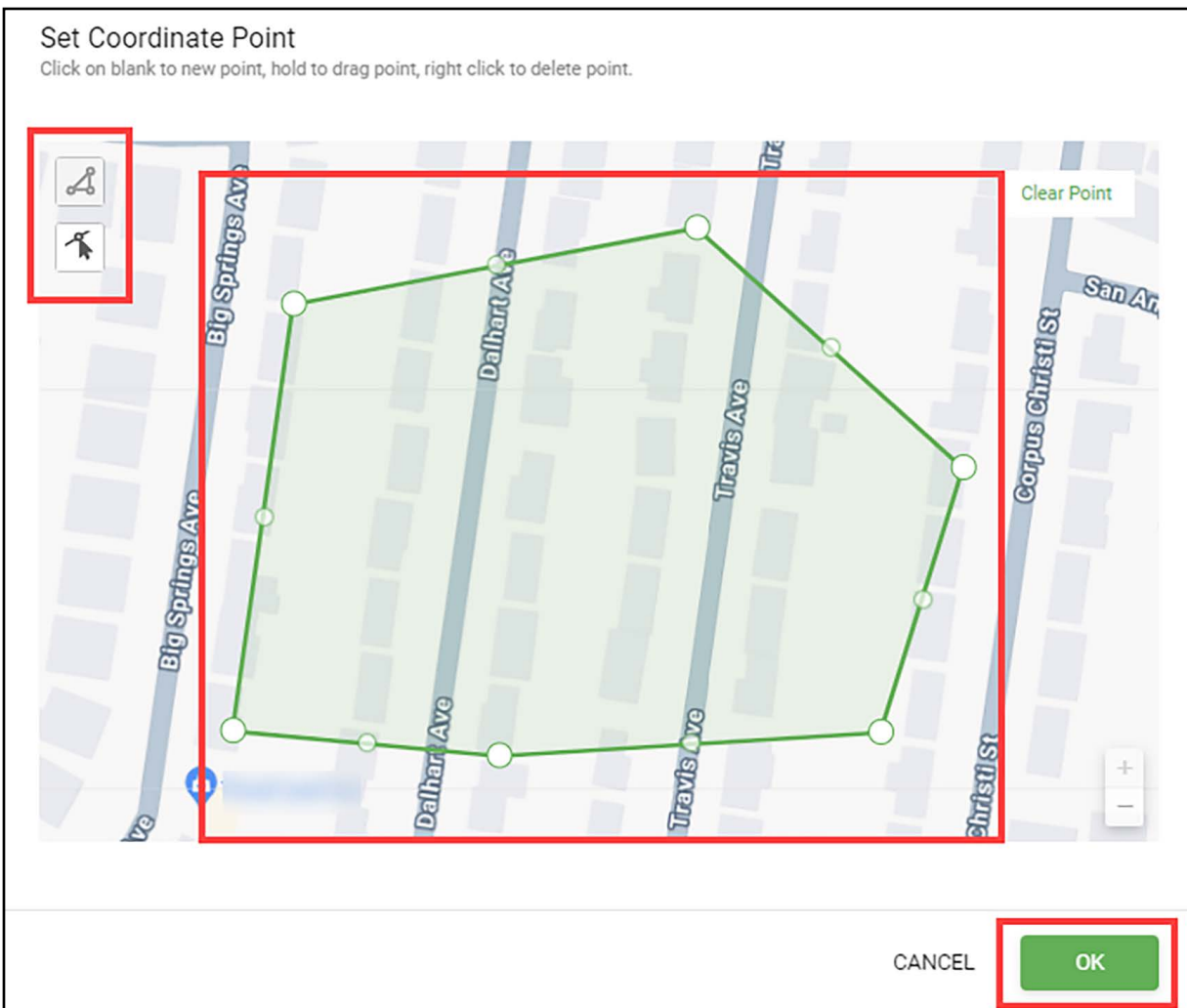


The screenshot displays the PAXSTORE interface. On the left, the 'Terminal Management' sidebar is visible, with 'Terminal Management' highlighted. The main content area shows the 'Reseller Detail' page for a specific terminal (Terminal Number: 1262/100000). The 'Profile' tab is selected, and the 'Terminal Control' section is expanded. The 'Geo-fence' option is highlighted, and a dropdown menu is open, showing three options: 'Disable', 'Center Point', and 'Customize Coordinate Point'. The 'SAVE' button is visible at the bottom right of the page.

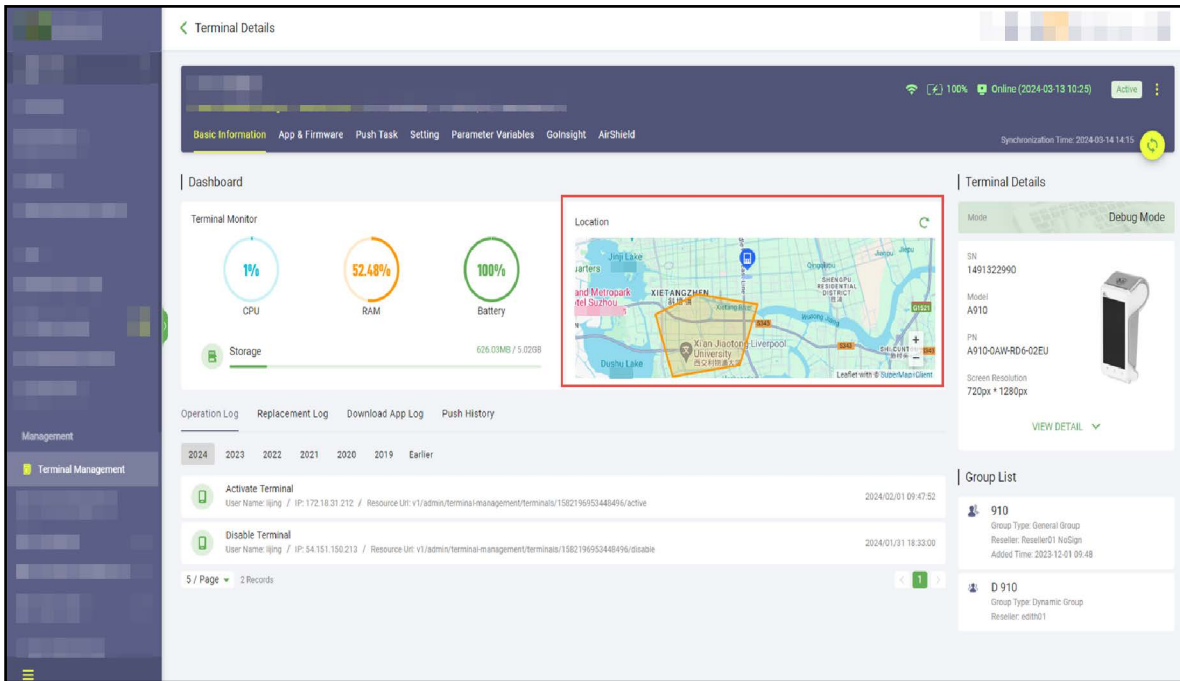
2.2.1 Customize Coordinate Point

Users can select the Customize Coordinate Point to set customized Geo-fence ranges, steps are as follows:

- Select the **[Customize Coordinate Point]** icon from the drop-down list, then the Set Coordinate Point pop-up window will be displayed.
- Select the **[Draw Polygons]** and **[Edit Layers]** buttons in the upper left corner in the pop-up box to set the fence range.
- After setting the fence range, select the **[OK]** button, then on the PROFILE page select **[SAVE]** to save.



The Location module on the Terminal Details page will display according to the user's customized Geo-fence range.



3. Enhancements

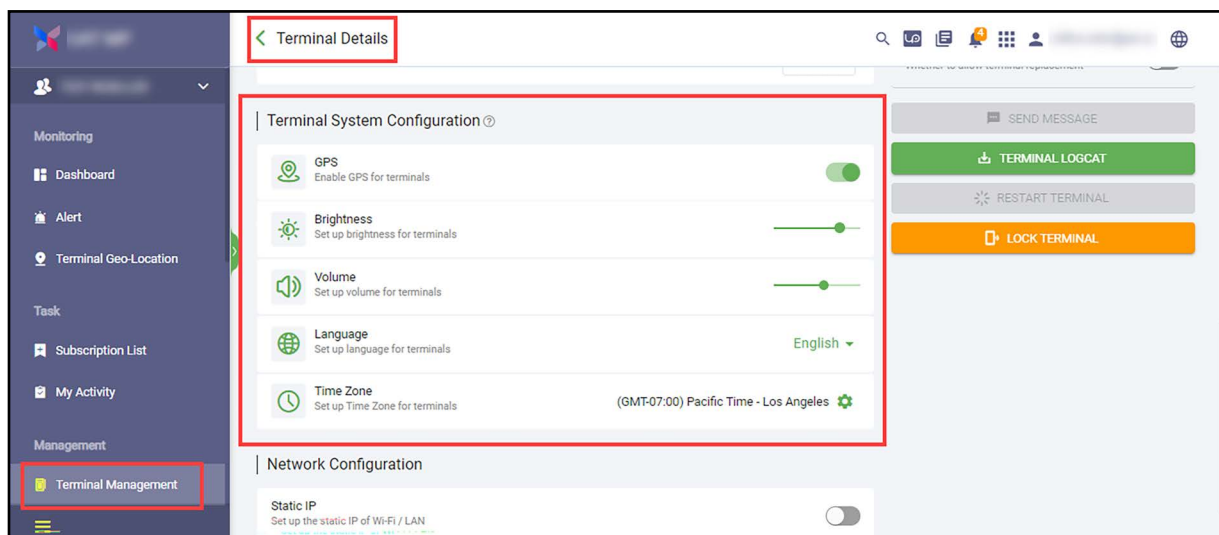
3.1 Terminal Management

3.1.1 Setting Tab

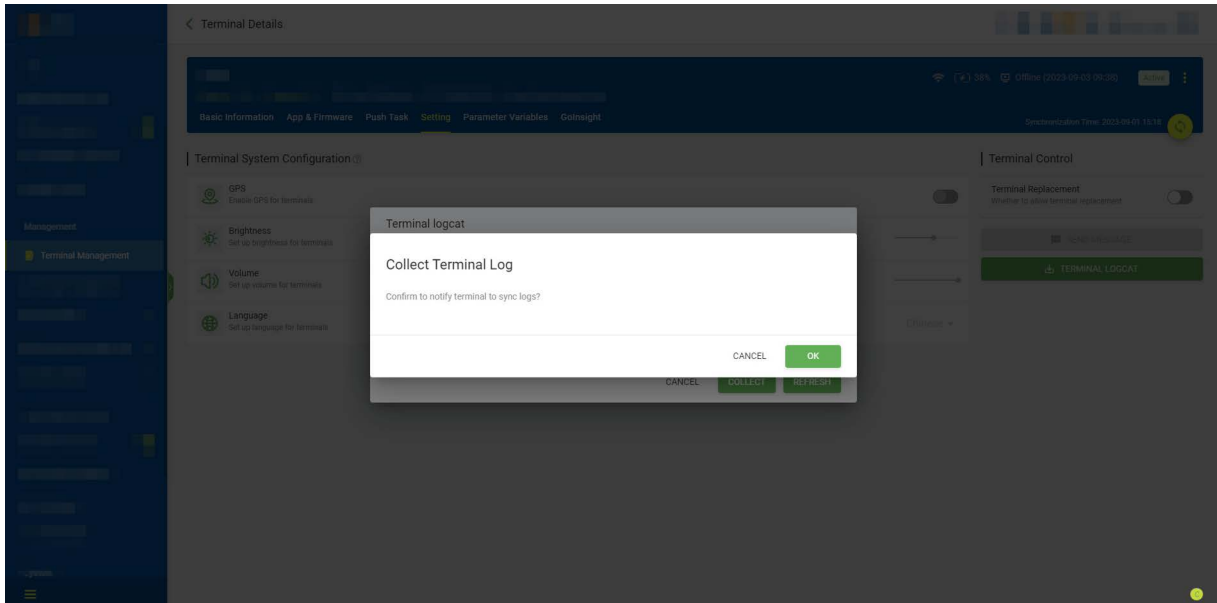
A new enhancement for Premium Marketplace Owners and Resellers is adding a “Setting” tab to the Terminal Details page for Android devices.

Users can view GPS, Brightness, Volume, and Language information uploaded by the terminal in the Terminal System Configuration section.

Select **[Terminal Management]** > **[Reseller]** > **[Terminal]** > **[Setting]** > See parameters.



Users can perform operations such as sending messages and collecting terminal logs in the Terminal Control section.

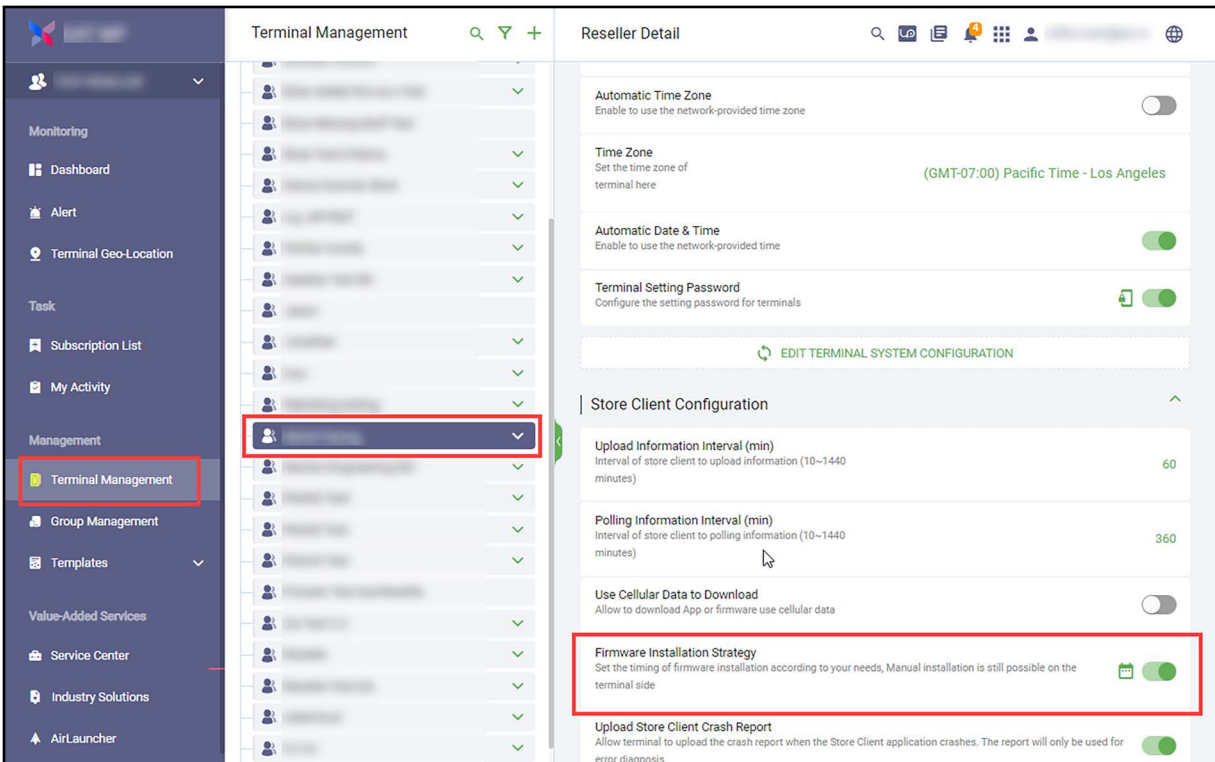


3.2 Firmware Installation Strategy

A new enhancement for Premium Marketplace Owners and Resellers is a new firmware installation format in the Store Client Configuration section called “Firmware Installation Strategy.” In addition to setting specific installation time, users can also set to automatically install firmware without any secondary pop-up confirmation after rebooting the terminal.

- Changed the Label from “Firmware Installation Time” to “Firmware Installation Strategy.”
- Changed the description from “Perform the installation according to the specified time, including firmware, resource, and modem. Manual installation can still be performed on the terminal side” to “Set the timing of firmware installation according to your needs, Manual installation is still possible on the terminal side.”

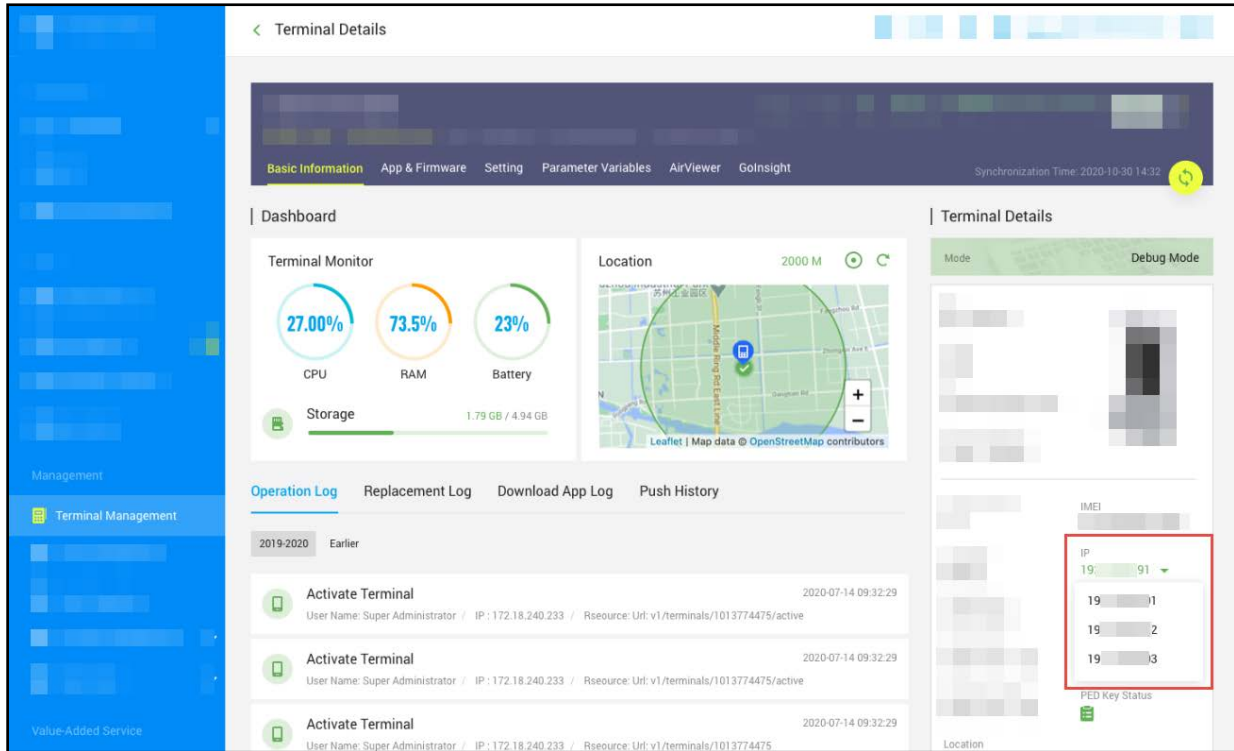
Select **[Terminal Management] > [Reseller] > [Profile] > [Store Client Configuration] > [Firmware Installation Strategy]**.



The screenshot displays the PAXSTORE interface. On the left, a navigation menu is visible with the following sections: Monitoring (Dashboard, Alert, Terminal Geo-Location), Task (Subscription List, My Activity), Management (Terminal Management, Group Management, Templates), and Value-Added Services (Service Center, Industry Solutions, AirLauncher). The 'Terminal Management' option is highlighted with a red box. The main content area is divided into two panels: 'Terminal Management' (a list of terminals) and 'Reseller Detail' (configuration settings). The 'Reseller Detail' panel includes settings for Automatic Time Zone, Time Zone (GMT-07:00 Pacific Time - Los Angeles), Automatic Date & Time, and Terminal Setting Password. Below these is a section for 'Store Client Configuration' with settings for Upload Information Interval (60 min), Polling Information Interval (360 min), and Use Cellular Data to Download. The 'Firmware Installation Strategy' setting is highlighted with a red box; it is currently enabled (toggle is green) and has a description: "Set the timing of firmware installation according to your needs, Manual installation is still possible on the terminal side".

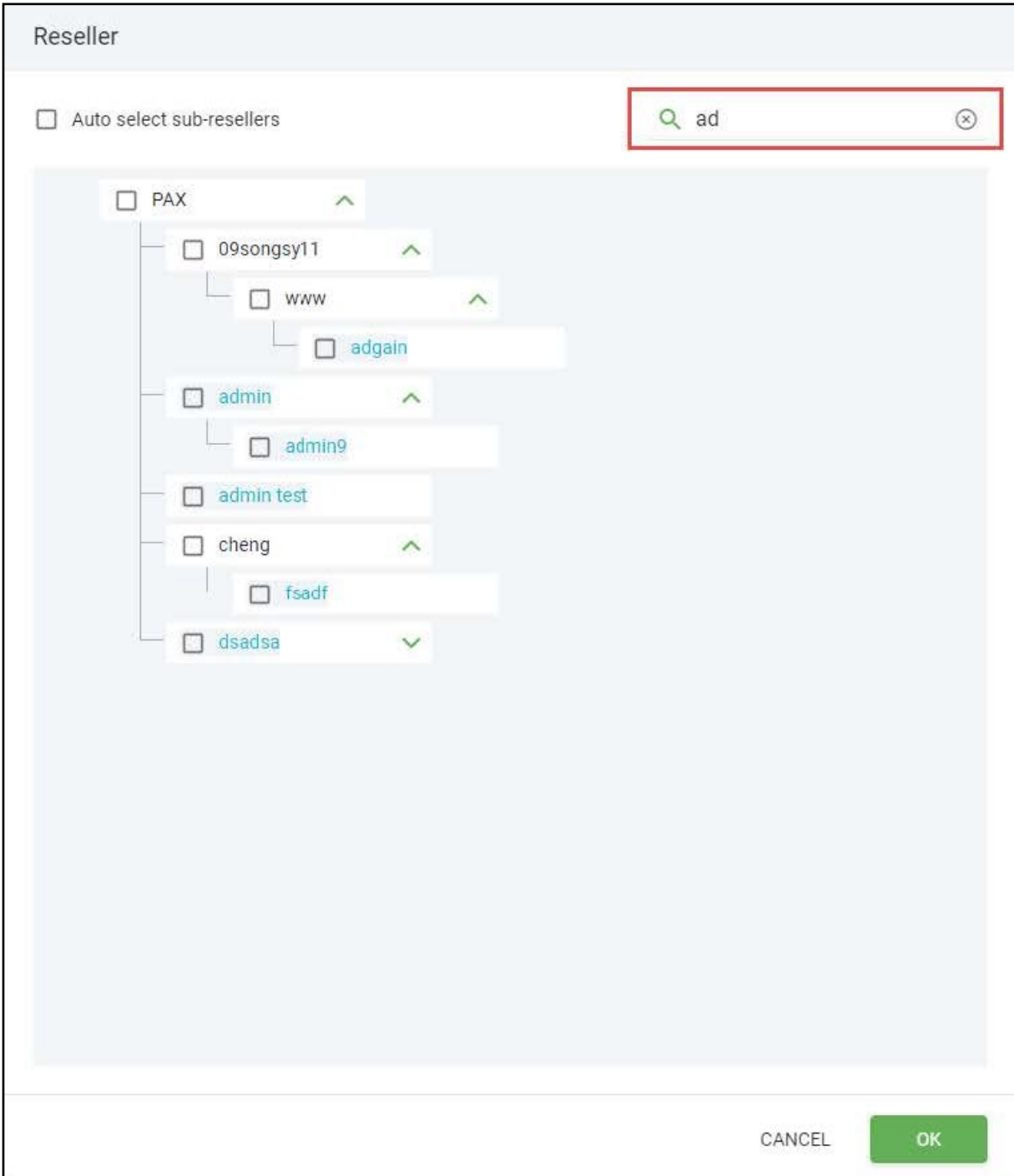
3.3 Terminal Details Module

A new enhancement for Premium Marketplace Owners and Resellers is to display all connected network IP addresses (including SIM card, WI-FI, LAN, and Ethernet of the terminal in the “Terminal Details” module. Displays information only when the device is connected.



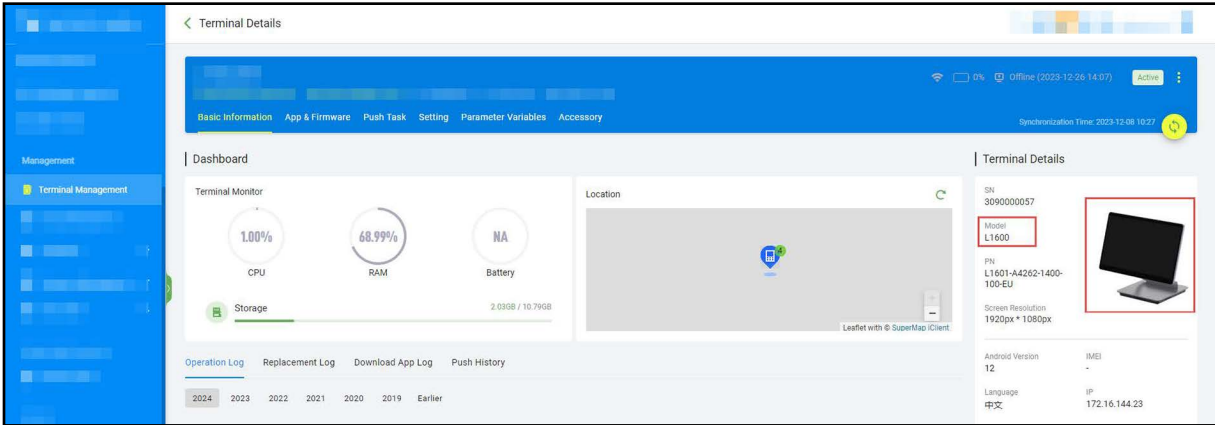
3.4 Filtered Reseller Search Results

A new enhancement for Premium Marketplace Owners and Resellers, enhanced the reseller search functionality. Now it will only display the filtered search results, making it easier for users to find the reseller.



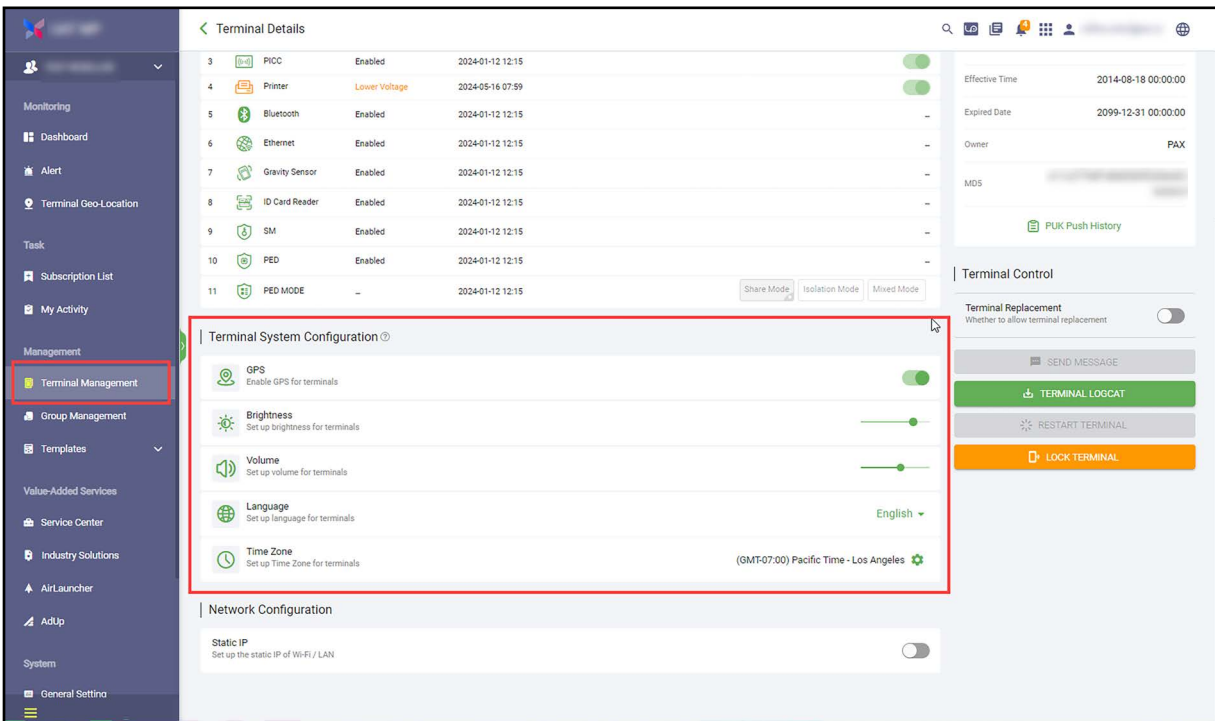
3.5 Device Thumbnails

A new enhancement for Premium Marketplace Owners and Resellers, added device thumbnails for more models, like the K2160, K2220, L1450, and L1600.

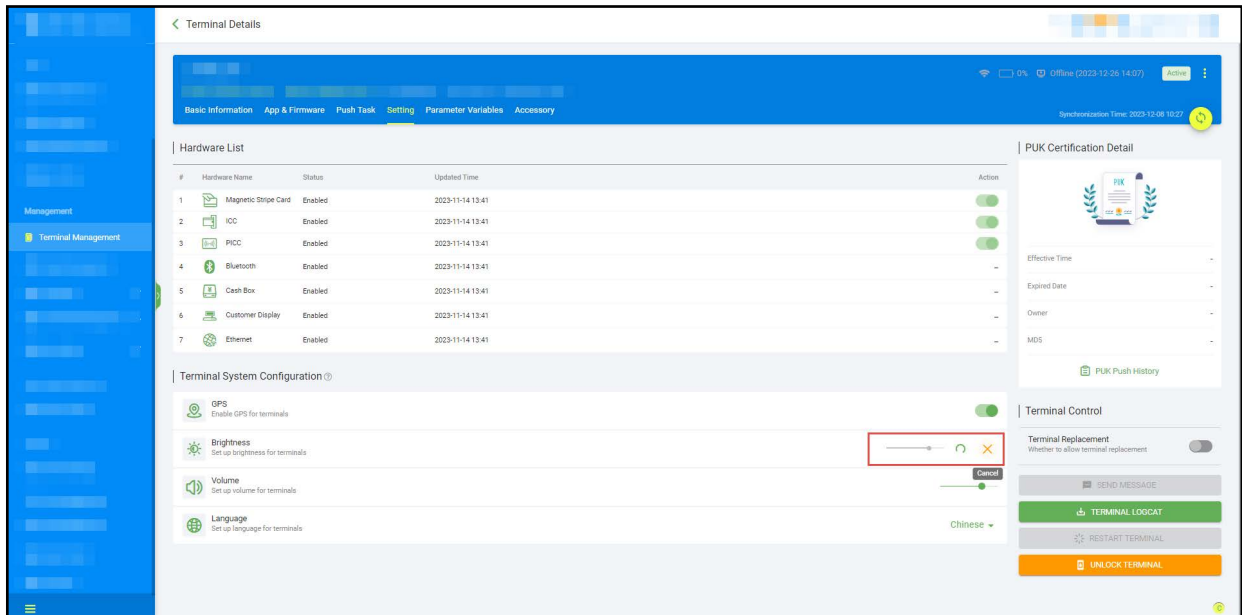
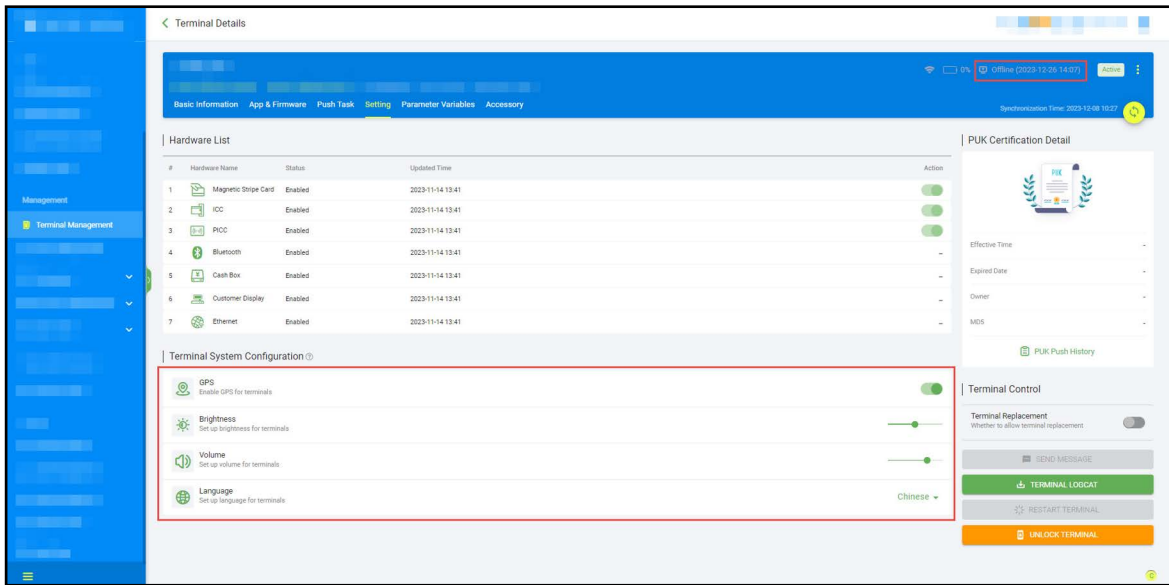


3.6 Offline Option Configuration Changes

A new enhancement for Premium Marketplace Owners and Resellers supports configuring GPS, brightness, volume, and language when the terminal is offline. Previously, these configurations could only be set when the terminal was online. Now it is possible to configure when the terminal is offline. Previously, the terminal had to be online to configure.

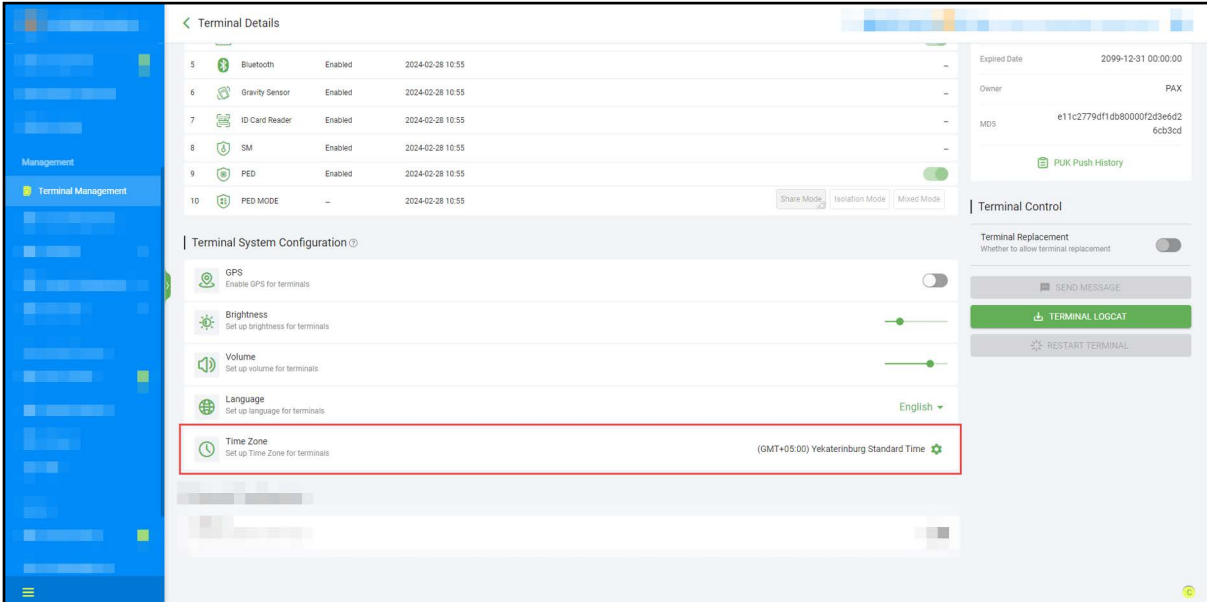


For example, setting the “Brightness” after users have started the setup process, the status will change to “In Progress” and the user can cancel the process before completion.



Supports configuring the “Time Zone” in the “Terminal System Configuration” module on the “Terminal Details” page.

Note: The Client version earlier than 9.3 does not support this function.

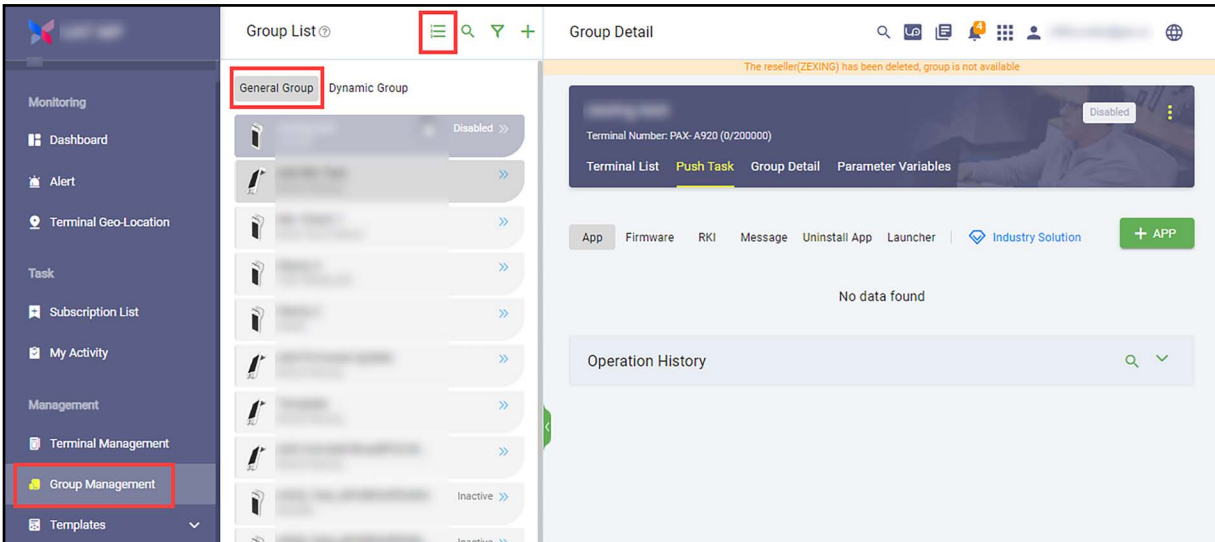


3.7 Group Management

3.7.1 Push Task Status Columns

A new enhancement for Premium Marketplace Owners and Resellers is the overview of the Group List. Four new columns were added: Success, Pending, Failed, and Filtered to track the push task completion status of each group.

Select **[Group Management]** > **[Group Type]** > **[Overview Icon]** > Group List page.



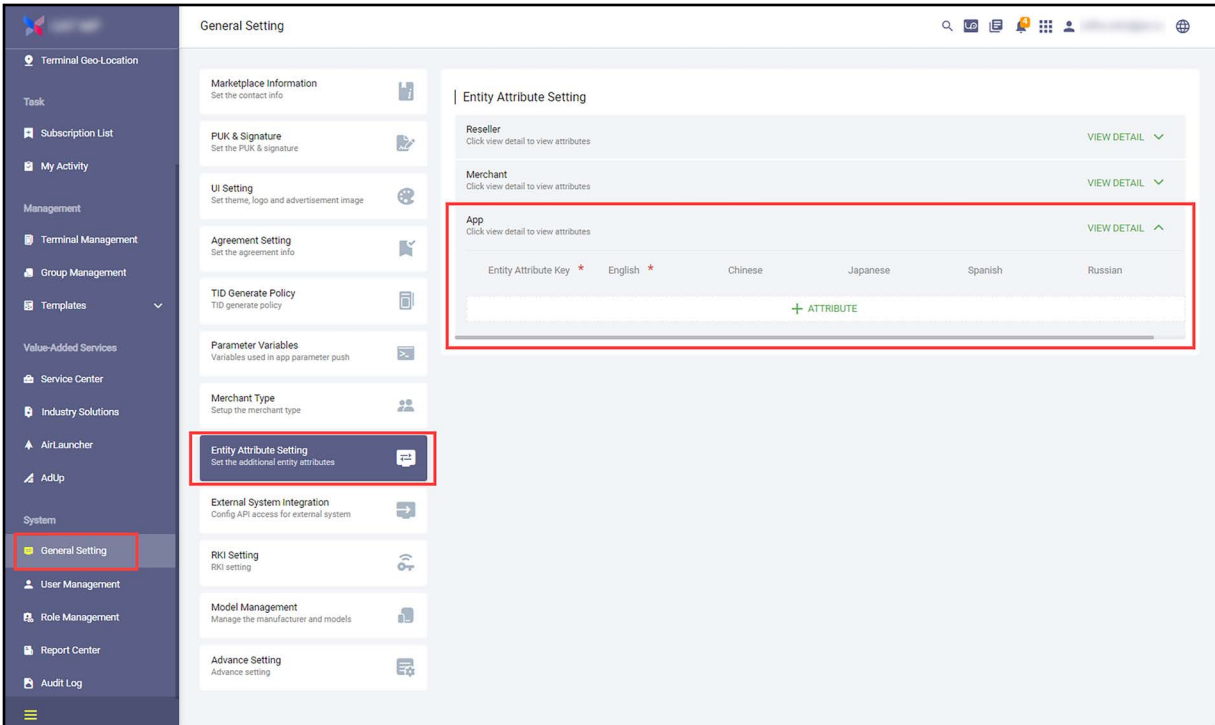
After selecting the **Overview Icon**, the Group List page will display with the **Success, Pending, Failed, and Filtered** columns for the push task.

#	Group Name	Group Type	Reseller Name	Model Name	Terminal	Push Task	Success	Pending	Failed	Filtered	Created Time	Updated Time	Status
1		General Group		A920	0						2023-05-26 13:45	2023-05-26 13:52	Disabled
2		General Group		A60	0						2023-05-23 18:22	2023-05-23 18:22	Active
3		General Group		A920	0						2023-05-15 11:18	2023-05-15 11:18	Active
4		General Group		A920	0						2023-05-09 14:46	2023-05-09 14:46	Active
5		General Group		A920	0		0	0	0	0	2023-05-09 14:17	2023-05-09 14:17	Active
6		General Group		A60	1		0	0	1	0	2023-05-02 12:45	2023-05-02 12:45	Active
7		General Group		A60	1						2023-03-20 11:32	2023-03-20 11:32	Active
8		General Group		A60	0		0	0	0	0	2023-01-03 20:43	2023-01-03 20:43	Active
9		General Group		A920	0						2022-11-14 14:42	2022-11-14 14:42	Inactive
10		General Group		A920	0		0	0	0	0	2022-11-14 11:04	2022-11-14 11:04	Inactive
11		General Group		A60	1						2022-09-01 17:08	2022-09-01 17:08	Active
12		General Group		A60	1		2	0	1	0	2022-08-30 13:18	2022-08-30 13:18	Active
13		General Group		M8	0						2022-08-17 16:20	2022-08-17 16:20	Inactive
14		General Group		A920	0						2022-08-17 10:15	2023-05-09 14:16	Active
15		General Group		A920Pro	1		1	0	0	0	2022-08-15 21:33	2022-08-15 21:33	Active
16		General Group		A920	0						2022-08-15 13:56	2022-08-15 13:56	Active
17		General Group		A77	0		1	0	0	0	2022-08-15 13:28	2022-08-15 13:28	Active
18		General Group		A60	1		3	0	2	0	2022-05-26 17:02	2022-05-26 17:02	Active
19		General Group		A920	0						2022-03-24 13:32	2022-03-24 13:32	Active
20		General Group		A77	1		1	0	0	0	2022-02-03 10:44	2022-02-03 10:44	Active

3.7.2 App Entity Attribute

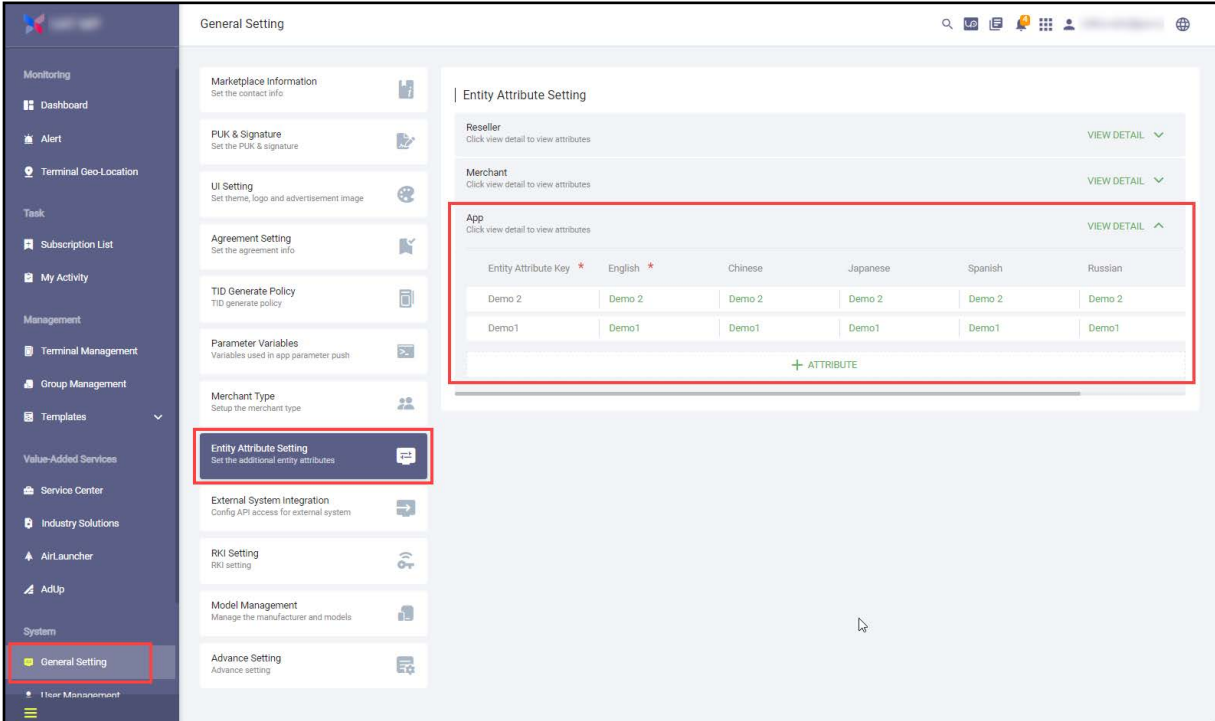
A new enhancement for Premium Marketplace Owners only, added the App Entity Attribute. Users can add customized attributes for their applications.

Select **[General Setting] > [Entity Attribute Setting] > Entity Attribute Setting > App**.



Once the administrator creates App Entity Attribute, the attribute will display in the application details page.

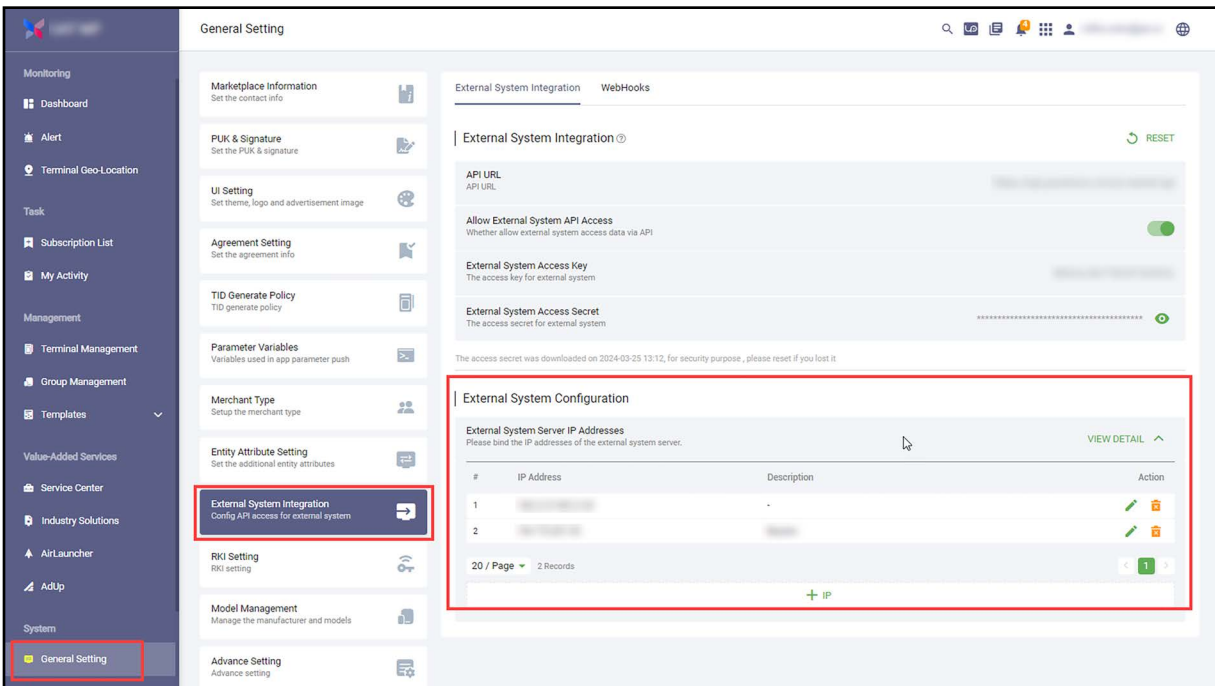
Select **[General Setting]** > **[Entity Attribute Setting]** > Entity Attribute Setting > App.



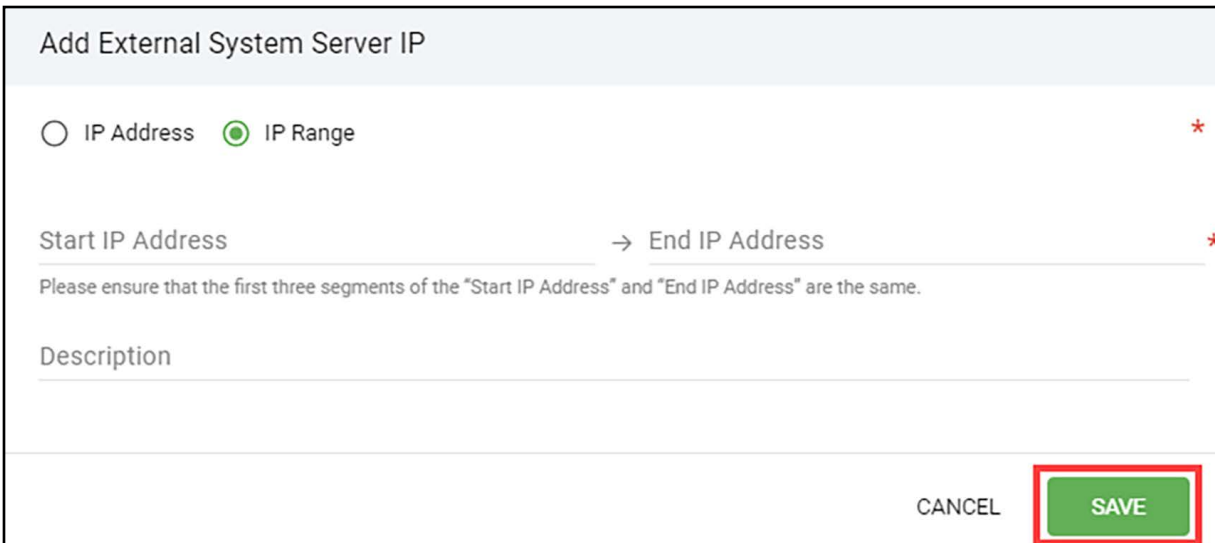
3.8 Multiple External System Server IP Addresses

A new enhancement for Premium Marketplace Owners only, will be the option to add external system IP addresss ranges.

Select **[General Setting]** > **[External System Integration]** > External System Configuration > **[External System Server IP Addresses]** > **[Enter External IP Address and Description]**.



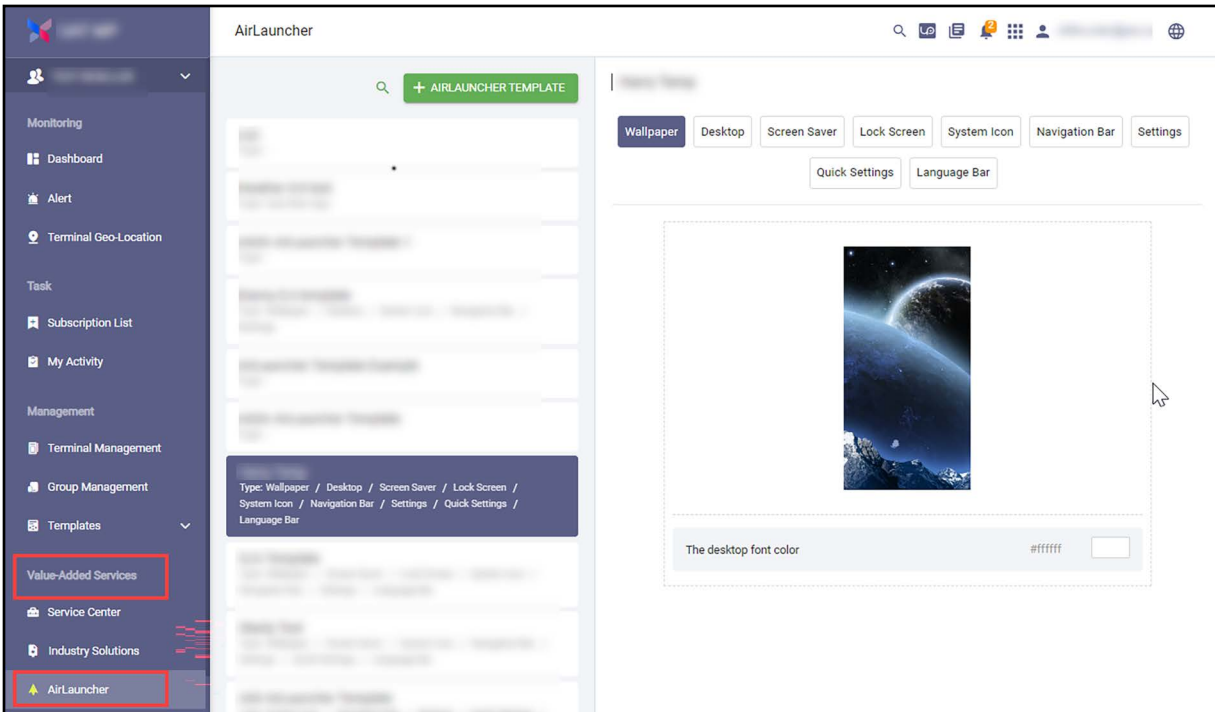
For adding multiple IP addresses use the screen below and select **[IP Range]** > enter the **[Starting IP Address]** > **[End IP Address]** > **[SAVE]** to save settings.



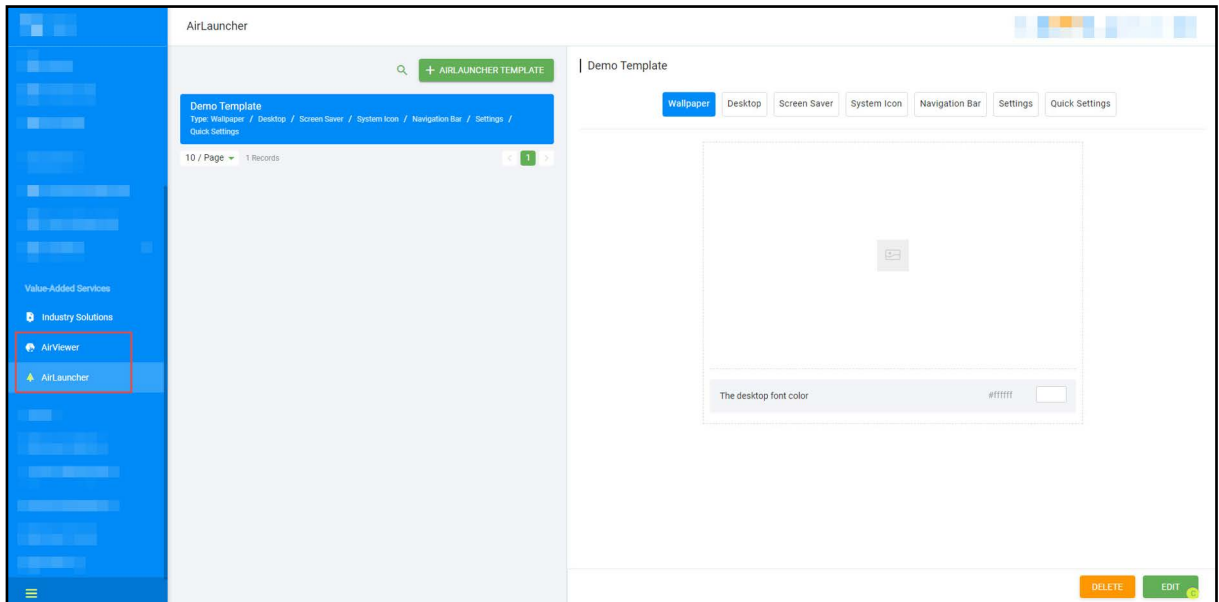
3.9 Value-Added Services

A new enhancement for Premium Marketplace Owners only is the new menu option for AirLauncher. Located in the Value-Added Services module for administrators to easily operate or configure AirLauncher.

- **AirLauncher** - The AirLauncher Template menu has been moved from the Template menu to the Service Center menu, where users can edit the AirLauncher templates.

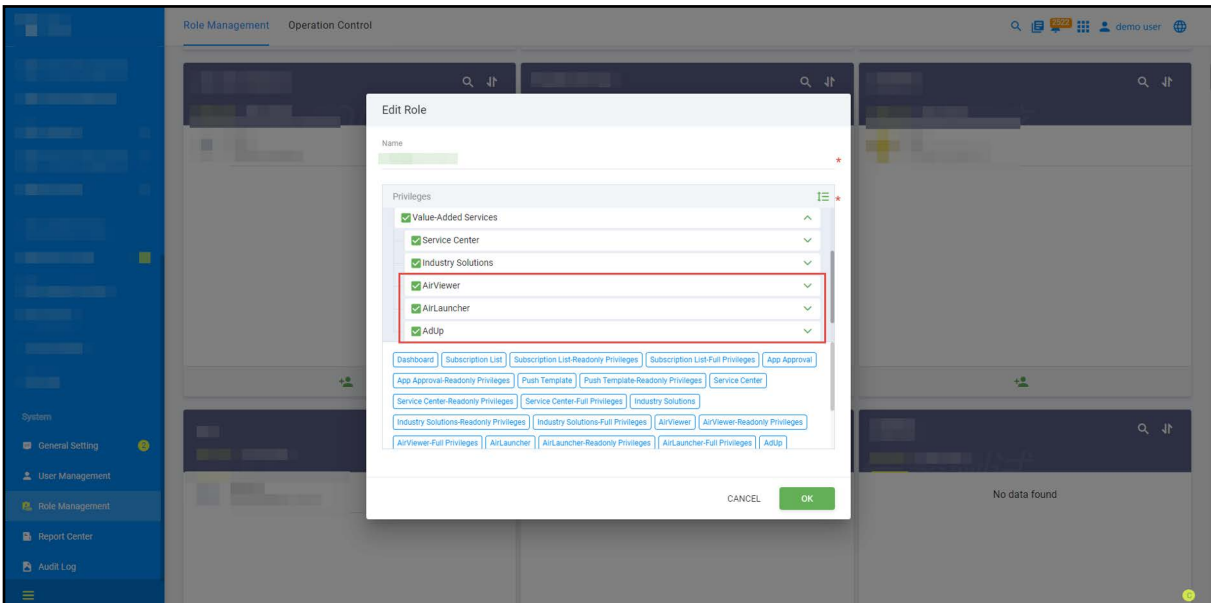


The AirLauncher menus are available to the Premium Marketplace Owners, they can perform related operations in the corresponding service menu.



Only when an administrator subscribes to a particular service, they see the corresponding menu for that service.

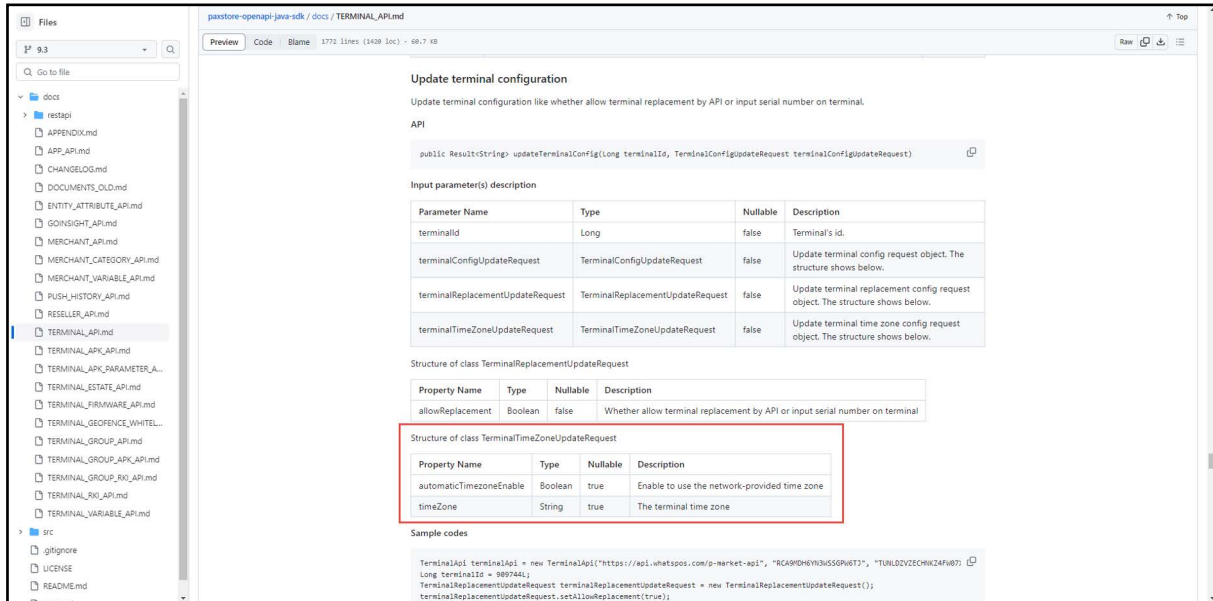
The administrators can also manage the role privileges of these new menus in “Role Management.”



3.10 Open API

This is a new enhancement for Premium Marketplace Owners only, allowing supported users to update the time zone configuration of terminal level through the updateTerminalConfigAPI.

- `public Result<String> updateTerminalConfig(Long terminalId, TerminalConfigUpdateRequest terminalConfigUpdateRequest)`



Update terminal configuration
Update terminal configuration like whether allow terminal replacement by API or input serial number on terminal.

API

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

Input parameter(s) description

Parameter Name	Type	Nullable	Description
terminalId	Long	false	Terminal's id.
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

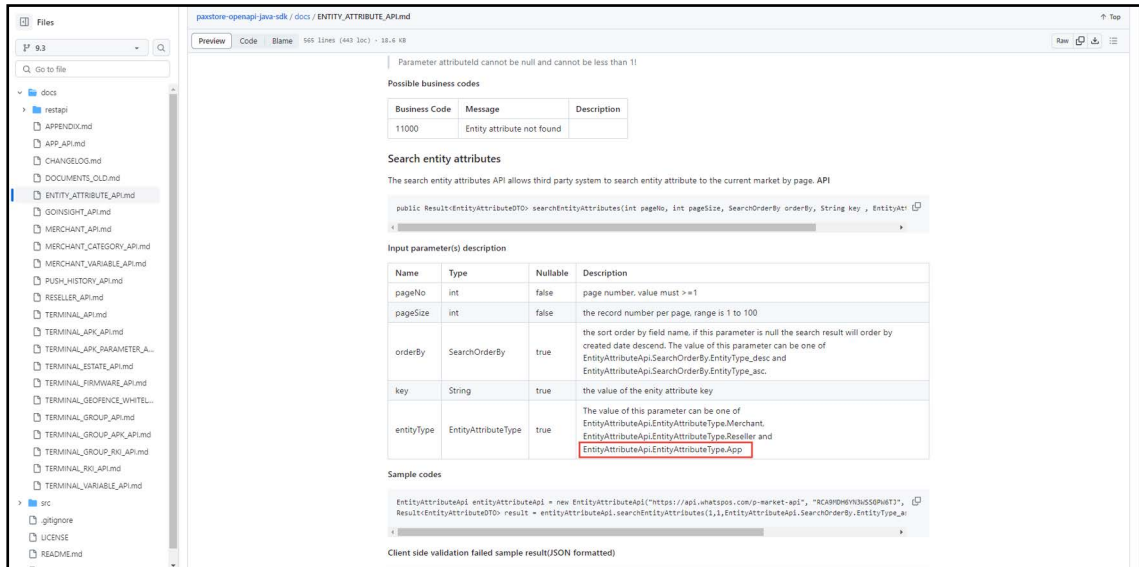
Property Name	Type	Nullable	Description
automaticTimeZoneEnable	Boolean	true	Enable to use the network-provided time zone
timeZone	String	true	The terminal time zone

Sample codes

```
TerminalApi terminalApi = new TerminalApi("https://api.whatsapp.com/p-market-api", "BCA9D9H9Y3US56P6T3", "TUKL2V2ECHO24F607");
Long terminalId = 989744;
TerminalReplacementUpdateRequest terminalReplacementUpdateRequest = new TerminalReplacementUpdateRequest();
terminalReplacementUpdateRequest.setAllowReplacement(true);
```

Supported users to search for APP Attributes using the Entity Attribute related APIs. Set search entity attributes API as an example:

- `public Result<EntityAttributeDTO> searchEntityAttributes(int pageNo, int pageSize, SearchOrderBy orderBy,String key, EntityAttributeType entityType)`



Parameter attributeId cannot be null and cannot be less than 1!

Possible business codes

Business Code	Message	Description
11000	Entity attribute not found	

Search entity attributes

The search entity attributes API allows third party system to search entity attribute to the current market by page. API

```
public Result<EntityAttributeDTO> searchEntityAttributes(int pageNo, int pageSize, SearchOrderBy orderBy, String key, EntityAttributeType entityType)
```

Input parameter(s) description

Name	Type	Nullable	Description
pageNo	int	false	page number, value must >= 1
pageSize	int	false	the record number per page, range is 1 to 100
orderBy	SearchOrderBy	true	the sort order by field name, if this parameter is null the search result will order by created date descend. The value of this parameter can be one of EntityAttributeApi.SearchOrderBy.EntityType_desc and EntityAttributeApi.SearchOrderBy.EntityType_asc.
key	String	true	the value of the entity attribute key
entityType	EntityAttributeType	true	The value of this parameter can be one of EntityAttributeApi.EntityAttributeType.Merchant, EntityAttributeApi.EntityAttributeType.Reseller and EntityAttributeApi.EntityAttributeType.App

Sample codes

```
EntityAttributeApi entityAttributeApi = new EntityAttributeApi("https://api.whatsapp.com/o-market-api", "8C4P06N3056P687?");
Result<EntityAttributeDTO> result = entityAttributeApi.searchEntityAttributes(1,1,EntityType_desc, "searchOrder", EntityType_#
```

Client side validation failed sample result(JSON formatted)

3.11 Store Client

- Supported installing firmware at start-up.
- Supported customized location fence.
- Supported setting time zone in terminal detail page.

3.12 Report Center

3.12.1 Terminal Info Report with Two New Columns

A new enhancement for Premium Marketplace Owners is the Terminal Info report, added two new columns with the TID and Online Status in the exported report.

Note: After initiating the report, please refresh the page to update the report status results.

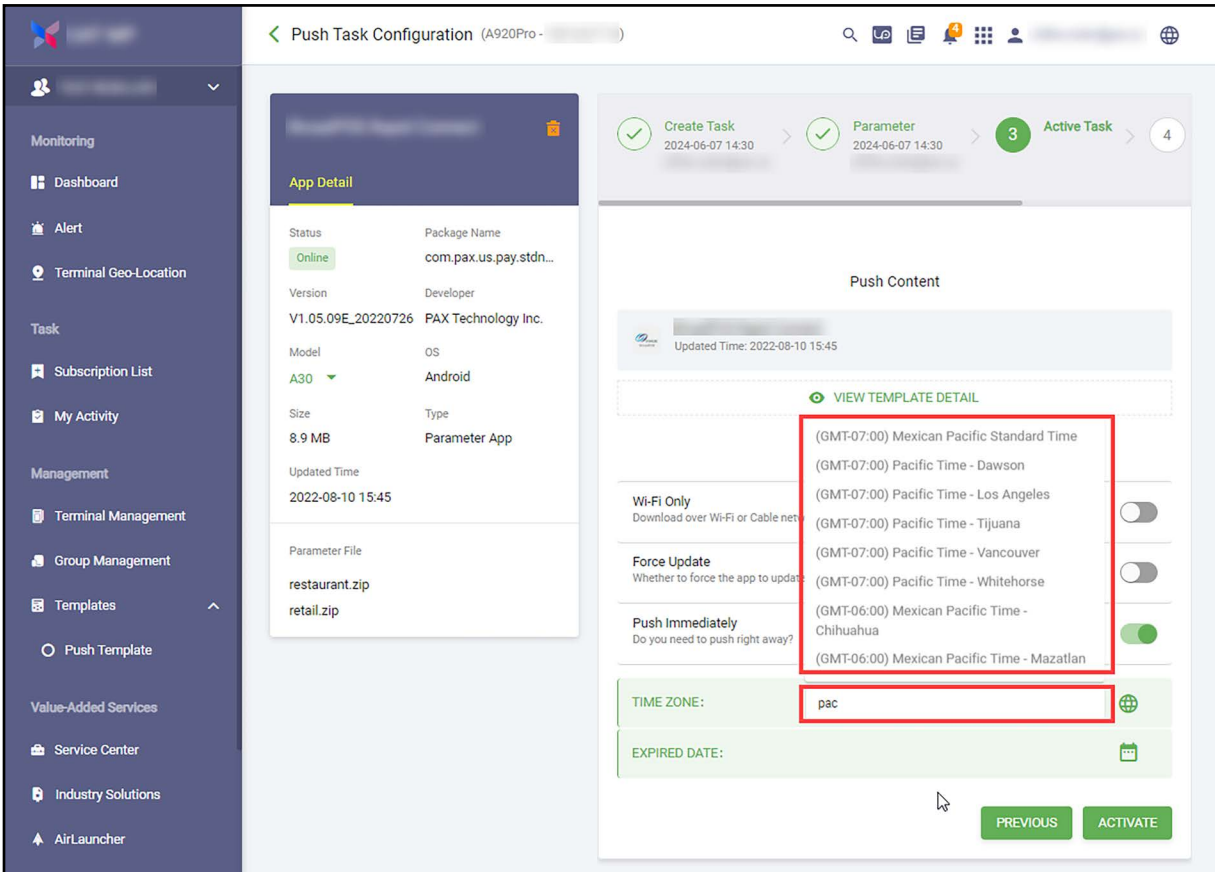
Select **[Report Center]** > **[Terminal Info Report]** > **[+ REPORT TASK]** > Condition > **[Reseller]** > Model > **[+ PLEASE SELECT]** > **[desired Terminal(s)]** > **[OK]** > Terminal Status > **[Please Select desired Option]** > **[CREATE]** > **[Refresh Page]** > See Report Status as Completed > **[Download Arrow]** > Download Report > **[OK]** > find the report on your local PC.

SN	Terminal Name	TID	Reseller	Merchant	Model	Status	FX	Android Version	Store Client Version	IMEI	IP	MAC Address	ICCID	Mobile Carrier 1	Mobile Carrier 2	Created Time	Activation Time	Last Access Time	Location	Online Status
	A920Pro				A920Pro	Active	A920Pro-QAN-RES-308A	8.1.0	8.3.0(13000)							2024/01/11 14:12:36	2024/01/11 14:12:36	2024/05/16 08:00:31		Offline

3.13 Others

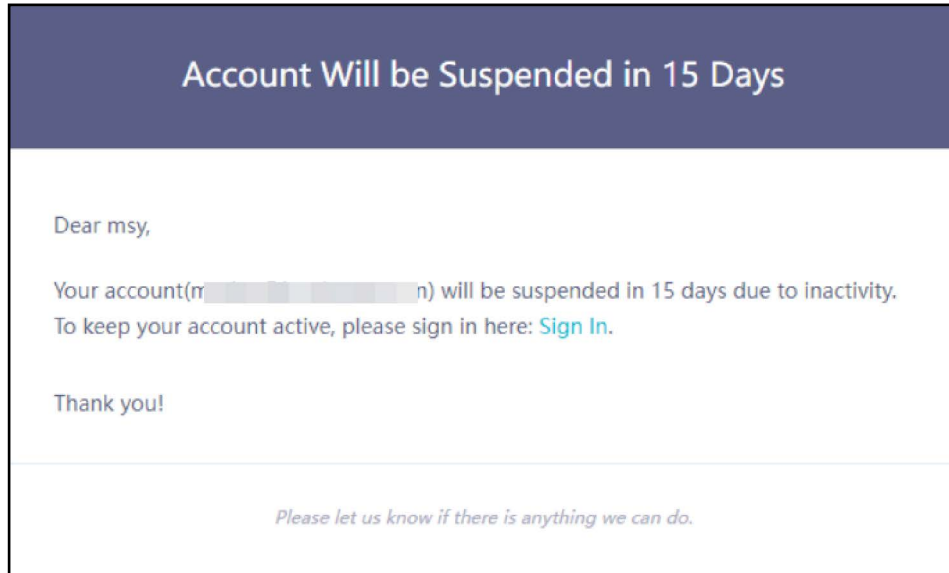
3.13.1 Time Zone Fuzzy Search

A new enhancement for Premium Marketplace Owners and Resellers is the Time Zone search field now supports fuzzy querying, based on the time zone name, making it easier for users to search.



3.14 User Account Suspension Email Notice

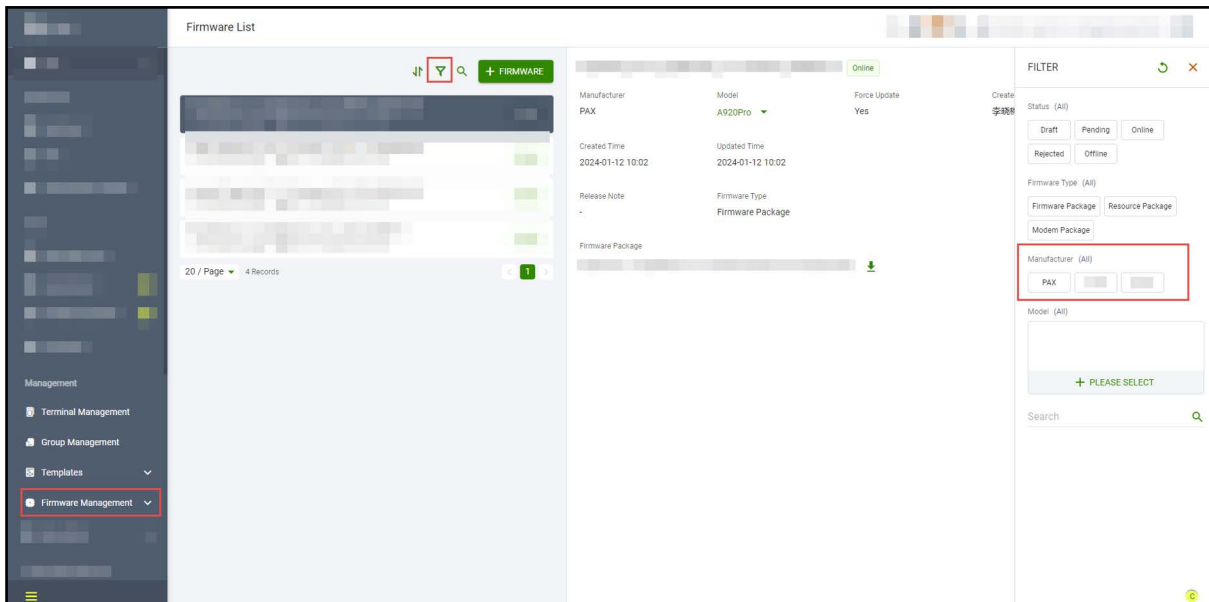
A new enhancement for Premium Marketplace Owners and Resellers is the added notification email for the user account suspension. Users will receive notification emails 15 and 7 days prior to their account being suspended.



3.15 Firmware Management

3.15.1 Filter by Manufactures

A new feature for Premium Marketplace Owners only is the Filter by Manufacturer in the Firmware List.



3.16 Role Management

3.16.1 Single Sign-on Role Management

A new enhancement for Premium Marketplace Owners only in which Single Sign-on was not enabled, now SSO is enabled, and users can add and remove Single Sign-on users in Role Management.

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

PAX Technology Inc.
8775 Baypine Road
Jacksonville, FL 32256

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