

# WizarView

## User Manual

V2.7



Smart TMS

Sort  
by Tags

Group by  
Hierarchy Tree

Signature/  
Verification

Terminals  
Applications  
Templates  
Push/Download  
Audit  
Integration

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# 1. Introduction

This comprehensive User Manual primarily describes information about the operation of WizarView system; as a detailed and easy-to-understand manual, it will enable you to become more familiar with the whole system at work and expand your product knowledge.

# 2. Document Rules

The wizarView user manual contains some special terms and usage conventions.

**Notice:**

The following terms will be used throughout the whole document.

Dialog Box: a window to temporarily display requests and supply data.

Check Box: controls the opening or closing of each individual option. When the option is selected, it shows [√]. When the option is canceled or of no usage, it shows [ ].

Field type, Length limit and Format.

#	Field name	Length limit	Format
1	All the names of a certain thing (e.g.: Merchant user name, group name)	30	Recommend to use: a-z A-Z 0-9 [space], text
2	ID or name that similar to ID		a-z A-Z 0-9 _.
3	Application name		a-z A-Z 0-9 _.
4	Password	6 – 16	All letters, numbers and punctuation marks that visible on the keyboard.
5	Address 1, Address 2	50	Recommend to use : a-z A-Z 0-9 - _ [Space] character
6	Area code	8	
7	Telephone# / Fax #	18	
8	E-mail address	50	@ a-z A-Z0-9 - . _
9	Description info	3 * 50	Unlimited
10	Application files	100	Unlimited
11	Tooltips (Yellow background)	N * 35 (N=1~8)	Unlimited; however spelling and grammar must be correct.
12	Date-Time		According to the calendar
13	Number (integer)	6	1 – 999999
14	File upload size	32 M	binary-coded
15	(Public / Private Key pairs)	256 Byte	binary-code
16	Certificate	1 KB	binary-code

17	Device serial number	30	The number is listed in accordance with the rule of the actual device, for example.: WP13191000000002
18	All the pattern attributes of device model	30	They are descriptive and usually entered as: a-z A-Z 0-9-_[space]. Some are selected or fixed.
19	Terminal pictures	1 KB	Binary-code
20	Comparison condition	30	<>!= “a-zA-Z0-9, Like %
21	Version number	8	0-9 (e.g.: xx.yy.zz)

**Application file's naming rules:**

Android “apk” type applications:

Applications that named as: \*.apk

Configuration files of Parameter Template

The configuration file is named as: configuer.xml

System Firmware:

A compressed file named as: \*.zip

Recommendations:

When configuring a download task, please select application that follows with the above Naming rules.

### **3. Product Description**

wizarView is a management system for the terminals, and is also called TMS (Terminal Manage System). With the growing number of consumers using credit cards and debit cards around the world, massive POS terminals are being deployed widely. The rapid increase in POS terminals will make the business for the terminal and its application more and more difficult to manage. TMS is a system that enable merchants to manage their POS terminals and related business efficiently.

wizarView is a management system that based on B/S structure, allowing users to manage terminal database through network. Every user in this system has their own distinctive password with respect to their own administrative authorities. The TMS database records information about each terminal and some statistics, as well as various applications that need to be downloaded to the terminal.

The main purpose of wizarView is to provide the capability to the POS terminals for quick initialization, application download, and real time management capabilities of the POS terminal in a complex working environment.

# 4. System Deploy Requirements

The server must meet the following requirements in order to download and use wizarView.

## Hardware Requirements

<b>Computer/Processor</b>	2GHz+; High frequency CPU makes the system run more smoothly
<b>Memory</b>	4GB+; Large-capacity memory can provide higher performance
<b>Hard Disk</b>	At least 100 GB of hard drive and 80 GB of free space

## Software Requirements

<b>Operation System</b>	Windows series: Windows XP or above Linux: Ubuntu 12.04 or above
<b>Database Management System</b>	MySQL 5.6 or above
<b>Oracle JDK</b>	1.8 or above
<b>Web Browser</b>	IE 10 or above/ Mozilla Firefox/ Chrome
<b>Web Container</b>	Tomcat 7+
<b>Multi-language Support</b>	English, Chinese

# 5. System Outline

wizarView is an advanced POS terminal management system specifically designed for corporate clients.

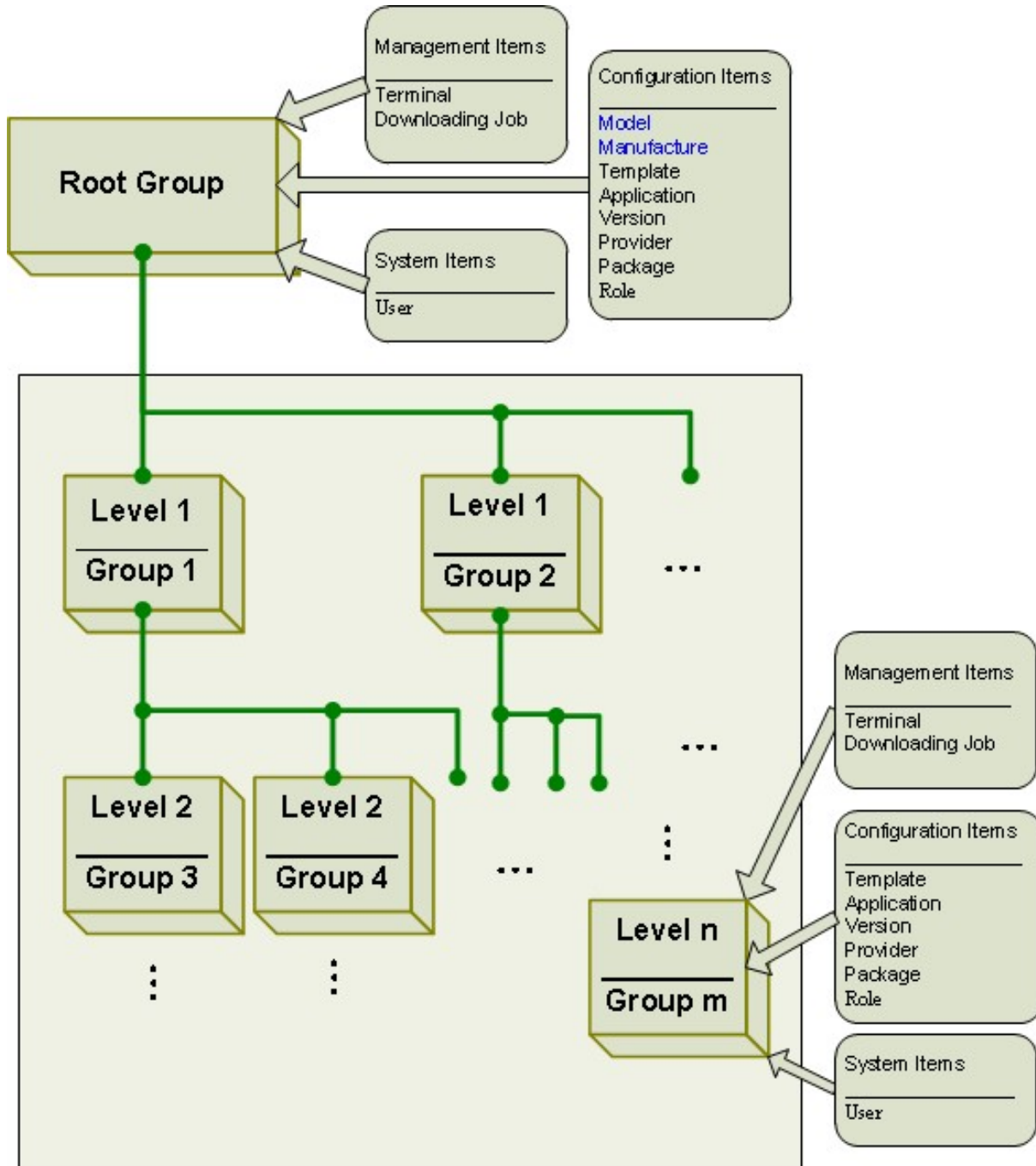
wizarView management system provides easy-to-use functions as follows:

- Multi-language supported (Chinese/English)
- POS terminal initialization
- Application management, including APKs, parameters and firmware.
- Remote update apps on the POS terminals
- Remote diagnose and monitoring
- User/Role/Authority model
- Tree structure terminal group



# 6. wizarView Management

## 6.1. The Management Tree and Brief Introduction.



- The vertical management structure of the wizarView is a tree structure among terminal groups.
- Each terminal group contains three types of management content: System Items, Configuration Items and Management Items.

**System Items:** The basic support of wizarView system, including Users and its corresponding management authorities.

**Configuration Items:** including application, application version, software package, application providers and their roles.

**Management Items:** including terminals.

- Configuration items of the upper level terminal groups, can be used by the lower level terminal groups, but the lower terminal groups can not modify these configuration items.
- The upper level terminal group can use the management and configuration objects of the subordinate one. The upper level group one can create management and configuration objects for the subordinate one.

## 6.2.Login

Open the browser and enter <http://www.wizarview.cn> at the address bar and press “Enter”, there will be wizarView login page. In the language drop-down menu you can choose English or Chinese to browse.

Enter User Name and Password, and fill in the verification code, then can login system.

If the verification code is not recognized, click the verification code to update the current verification code.

### Notice:

- If the password are input in error more than 5 times, the system will lock user for 10 minutes. 10 minutes later, you can enter user name and password again.
- If the system is not logged in for more than 180 days, the user will be locked. If locked user wants to log in system again, you need to contact wizarView administrator to reset the password.

If forget password, you can reset password by “Forgot Password”.

If entered username and password is matched with information stored in the system, a new password will be sent to the user’s mailbox.

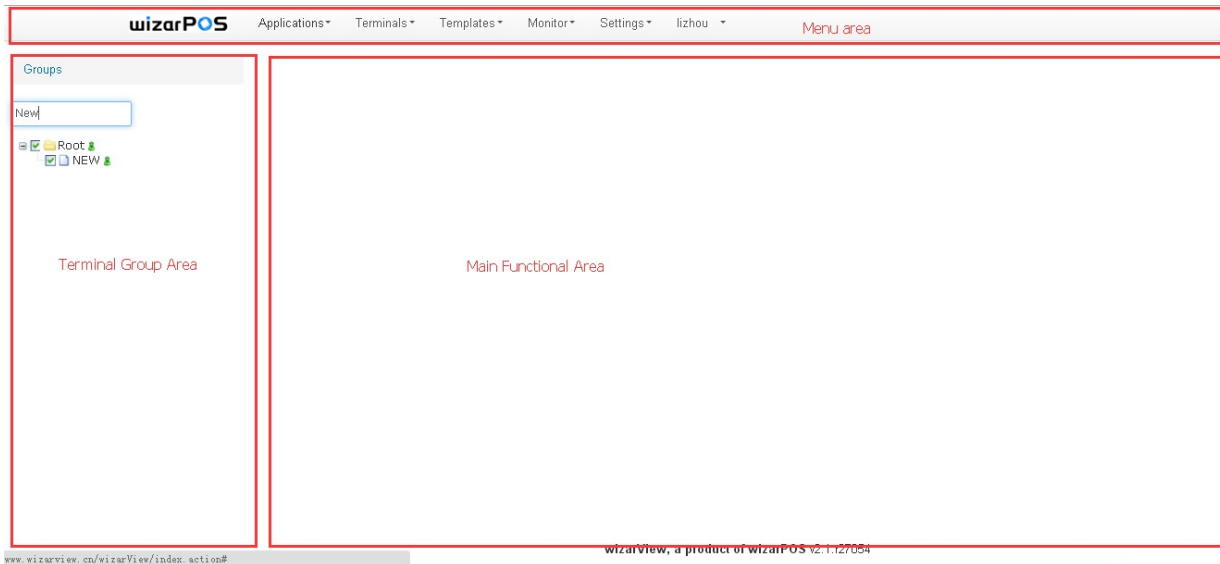
### Notice:

If the user is locked because of no login for more than 180 days, even though retrieved password by “Forgot Password”, it still can not be logged in. You must contact wizarView administrator to reset password, then log in system.

### 6.3.wizarView Main GUI

The main page of wizarView system is divided into three areas:

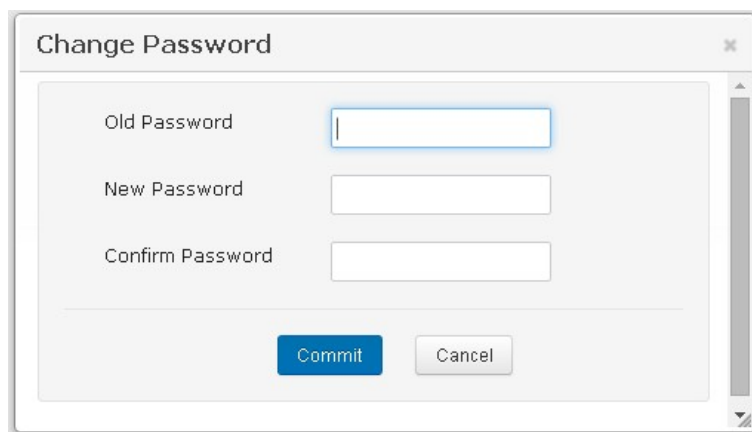
- Menu Area: It displays the menu that contains all modules that the current user is authorized in this system.
- Terminal Group Tree Area: It displays the user’s terminal group and all its sub-terminal groups.
- Main Functional Area: The core area of wizarView. All the functional details are displayed in this area, such as provider management, application management, terminal management, terminal group management, template management, terminal monitoring, audit log, etc.



If you have enough authority, you will see the following first-level menus: application management, terminal management, parameter management, remote monitoring and management, and system administration. Through these menu entries, you can easily manage your terminals.

### 6.4. Change Password

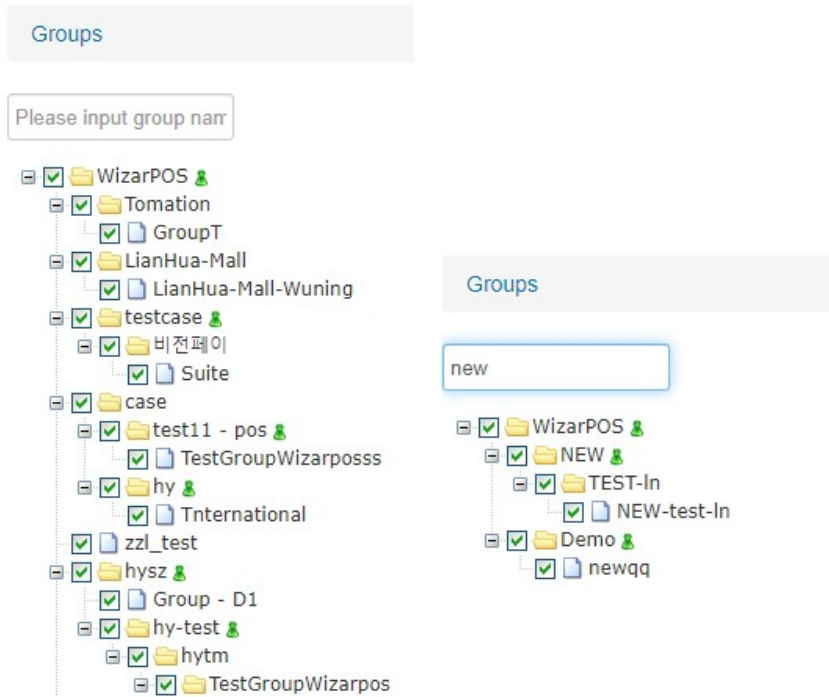
After login, you will find the User Name is shown on the Menu Bar as a menu item. Click this menu and choose “Change Password”, a “Change Password” page will be displayed as below:



Enter the “Old Password”, “New Password” and “Confirm Password” can then change password. The new password comes into effect at the next login.

### 6.5.Terminal Group Tree Description

The Terminal Group Tree has search function, enter the terminal group name and press “Enter” to carry out the fuzzy search, and clear the searched contents and press “Enter” can restore to the original terminal group tree structure.



Note: All contents of the “Main Functional Area” displayed on the right are completely associated within The Terminal Group Tree on the left,

## 6.6. Application Management

### 6.6.1. Application Management

Choose the Application menu and find the sub Application Management menu, then system enters the Application Management page. This pages mainly realizes “Edit”, “Add”, and “Delete” functions of the corresponding application, as below:

Application

Name  Provider  Type

Application List										
Name	Group	Provider	Type	Target SN	System Ap	Enabled	Subgroup \	Create Time	Operator	
sn update	NEW	xuqitest	apk		No	Yes		2019-09-17 15:10:18	admin	▲
test-q3	NEW	xuqitest	apk		No	Yes		2019-09-06 14:13:13	admin	
wizarpos000	NEW	xuqitest	apk		No	Yes		2019-09-05 15:25:01	admin	
case1	test11	xuqitest	apk		No	Yes		2019-08-12 16:12:01	admin	
customer-test	Customer A	WizarPOS	apk		No	Yes		2019-08-05 16:16:33	admin	
wizarposS	WizarPOS	xuqitest	apk		No	Yes		2019-08-05 15:56:40	admin	
美味	test11	xuqitest	apk		No	Yes		2019-08-02 16:27:12	admin	
SNupdate	NEW	xuqitest	apk		No	Yes		2019-08-02 10:30:41	admin	
datatype	WizarPOS	xuqitest	apk		No	Yes		2019-07-31 10:01:46	admin	
Q3&Q2	Group	xuqitest	apk		No	Yes		2019-07-24 16:41:10	admin	
Number								2019-07-24 16:00:00		▼

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In this page, users can achieve customized on-demand query by filtering applications name, application provider, combing the vertical terminal group tree on the left.

### 6.6.1.1. Create New Application.

Choose the “Add” button from the bottom left of the list, then the system will pop out a page as below:

The screenshot shows a form titled "Application". It has the following fields and controls:

- Group:** A text input field with a magnifying glass icon and a red asterisk.
- Name:** A text input field with a red asterisk.
- Provider:** A dropdown menu showing "Nothing selected".
- Type:** A dropdown menu showing "apk".
- Subgroup Visible:** A checkbox.
- Advanced:** A section header with an upward arrow.
- Buttons:** "Commit" and "Cancel" buttons at the bottom.

Click the icon behind the Group text box, there will pop up the group selection box, as shown below

The screenshot shows a dialog titled "Select Terminal Group". It contains:

- Search:** A text input field with "NEW" and a "Search" button.
- Table:** A table with two columns: "Group" and "Superiors". It has one row with "NEW" in the "Group" column and "Root" in the "Superiors" column.
- Navigation:** A pagination bar showing "1 of 1" and "1 - 1 of 1".
- Buttons:** "Select" and "Cancel" buttons at the bottom.

In the group box, enter the group name click “Search”, or press the “Enter” key to conduct a fuzzy search, select the group after double-click the right mouse button or click to select the corresponding group, as shown in the following:

**Application** [X]

Group: KMS [Q] \*

Name: [ ] \*

Provider: xuqitest [v]

Type: apk [v]

Subgroup Visible:

**Advanced** [^]

[Commit] [Cancel]

**Notice:**

The SN expression is Regex (Regular Expression).

If the SN expression is left empty, all terminals that configured with this application, will download the application. If there is a SN Regex filled there, the terminals that configured with this application, when downloading, will check whether the SN number matches with the Regex. If this is matched, the app will be downloaded, otherwise the app will not be downloaded.

**6.6.1.2. View Application**

Select an application from the application list, then click the “View “ button at the bottom left of the page, the system pops out the “Application View “page; the “Application View” page is only for viewing the information; and if change is needed, please click the “Edit” button, as shown below

**Application** [X]

Group: 杭州西溪欢乐城项目 \*

Name: 打印驱动2.2.13 \*

Provider: 第二批 - 宝龙项目组 [v]

Type: apk [v]

Target SN: [ ]

Subgroup Visible:

Source Application: [ ]

[Cancel]

**6.6.1.3. Edit Application**

Select an application from the Application list, then click the “Edit “ button at the bottom left of the page, the system pops out the “Application Edit “page as below:

**Application**

Group: test11

Name: case1

Provider: xuqitest

Type: apk

Subgroup Visible:

**Advanced**

Commit Cancel

#### 6.6.1.4. Delete Application

Choose an application from the application list, then select the "Delete button" at the bottom left, then the application is deleted.

**Notice:** To delete an application, firstly you must remove all of its versions and remove the binding of terminals and the terminal group, otherwise the application can not be deleted.

#### 6.6.1.5. Configures Application

Choose an application from the application list, then click the "Config" button at the bottom left, then a new window is popped out.

**Application test-q3**

App Configuration App Introduction Config Terminal Config Group

**Version List**

Name	Group	File	Update Time	Size	Operator	Current Versior
6.2.0	NEW	douyin.apk	2019-09-06 14:13:40	74.92 MB	admin	✓

Click the "Config Terminal" tab to display the configured terminal's info. Click buttons "Market", "Prompt" and "Silent" to modify the configuration, shown as below:

**Application Anywhere1** ✕

App Configuration   App Introduction   **Config Terminal**   Config Group

---

SN:

**Configured Terminal**

<input type="checkbox"/>	SN	Group	Installation Mode	Config Time	Operator
No records					

of 0

SN:

**Terminal List**

<input type="checkbox"/>	SN	Group
<input type="checkbox"/>	WP18101K20001455	NEW
<input type="checkbox"/>	WP19201Q41119991	NEW
<input type="checkbox"/>	WP19181Q20012126	NEW
<input type="checkbox"/>	WP17421K20001115	NEW

of 2,070

"Silent" is "Silent installation". The POS terminal will automatically download and install applications.

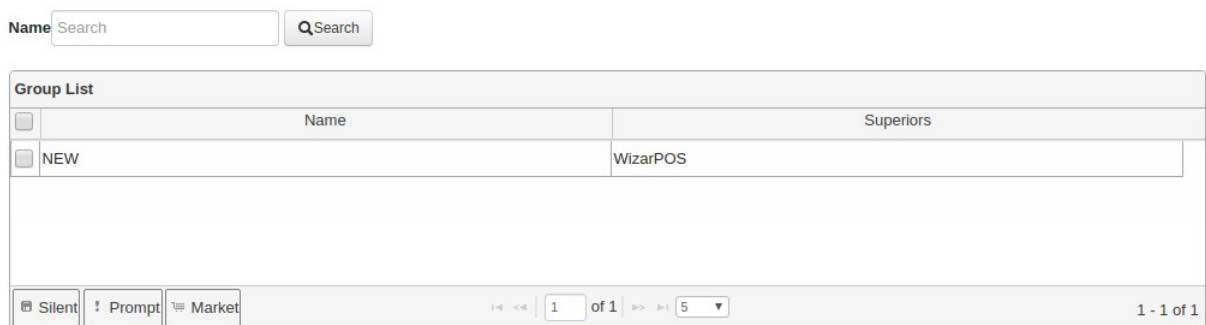
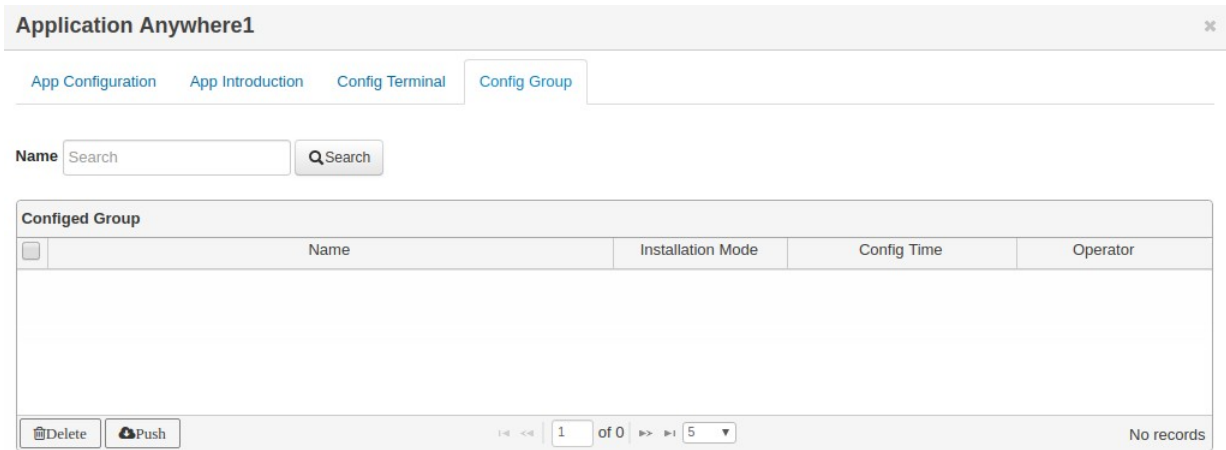
"Prompt" is "Promopt installation". The POS terminal will automatically download applications, but does not install applications. And the notification bar will pop a message to remind user to install the applications.

"Market" is "Market installation". The POS terminal will not download and install application, and only has a message on notification bar for user. User can click the message and download the application.

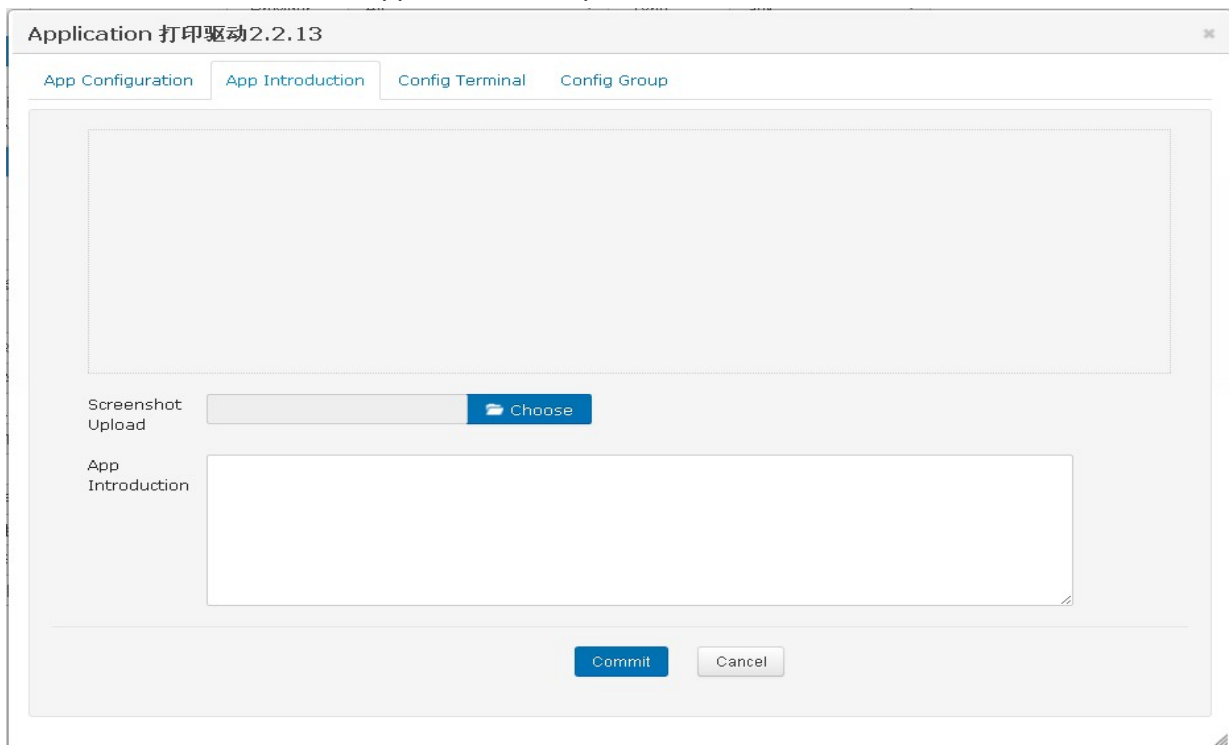
Click "Push" Button can push this configuration to the terminal immediately.

Click "Config Group " to configures the group, and the operation is same as that of terminal configuration.





Click "App Introduction" to add screenshot description and/or text description to the application. Click the "Submit" button to save the screenshots and application description.



## 6.6.2. Application Provider Management

In the menu bar, select the sub-menu "Provider", then the system enters in to the "Application Provider" page.

This page mainly realizes the function of “Add”, “Edit” and “Delete” application providers, as below:

In the page, user can have customized on-demand search by combining the different conditions (including provider name, country, phone number, and so on.) with the left terminal group tree,

### 6.6.2.1. Create New Provider

In the bottom left corner of application provider list, select the “Add” button, and the system will pop a new provider page as follows.

**Notice:** The default country is China; default province is Anhui, besides, the terminal group which the provider belongs to cannot be modified once submitted.

### 6.6.2.2. Editing Provider

Choose a provider from the providers list, then click the “+”button, the editing page will pop out as below:

In this page, users can edit all the information of the provider except changing terminal group info.

### 6.6.2.3. Delete Application Providers

Choose a provider from the list, then click the “Delete” button, the selected provider is deleted. Notice, if this provider already provided applications, then, should delete the applications first, and then delete the provider.

### 6.6.3. Application Version

Select the sub menu “Version” under the Application Management menu , and enter the application version page. As shown below:

App Version

Name  File

Type  Name

Version List					
Group	Application	File	Name	Update Time	Operator
NEW	UC	<a href="#">GetNVCount1.apk</a>	1.0	2019-09-26 16:50:50	admin
WizarPOS	ee	<a href="#">SN_Update_Tools_201612061512_release_by_pengli.apk</a>	1.0	2019-09-17 14:29:35	admin
NEW	test-q3	<a href="#">douyin.apk</a>	6.2.0	2019-09-06 14:13:40	admin
test11	case1	<a href="#">ES文件浏览器, 低.apk</a>	4.1.8.4	2019-09-03 15:56:03	admin
test11	美味	<a href="#">ef4014906f54741cb00a12035ab23665_46333000.apk</a>	3.9.26.000.0523.1600	2019-08-09 17:18:15	admin
WizarPOS	wizarpos5	<a href="#">SNModifyApp-release-v1.0.2-r20190806103040-q1_platform.apk</a>	1.0.2	2019-08-09 17:02:35	admin
test11	ESFile	<a href="#">ES文件浏览器, 低.apk</a>	4.1.8.4	2019-08-09 16:05:59	admin
test11	Agent 4.2.51	<a href="#">31WizarViewAgentAssistant-release-r32234-q1_platform.apk</a>	1.9.3_r32234	2019-07-31 18:25:27	admin
test11	weixinbook	<a href="#">4a75a05119f326a91d247364aa8cfba8_10473800-signed-20190731.apk</a>	6.7.3	2019-07-31 18:05:12	admin

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## 6.7. Terminal Management

### 6.7.1. Terminal Model Management

Choose the sub menu, “Terminal Model” from the menu “Terminal Management”, and the system enters in to the “Terminal Model” management page. This page realizes the “Add”, “Edit” and “Delete” functions of the terminal model. See below.

Terminal Model

name

Terminal Model List					
Name	SN rule	Priority	Manufacturer	Create Time	Operator
Q1v2	WP[0-9]{4}1Q1[0-9]{7}	2	QA-wizarpos	2018-12-06 15:32:36	admin
T1	WP(T?)[0-9]{4}[1234](T?)[0-9]{8}	2	QA-wizarpos	2018-01-30 17:16:54	admin
K2	WP[0-9]{4}[1234]K2[0-9]{7}	2	1142	2018-01-30 17:16:14	admin
Q2	WP[0-9]{4}[1234]Q2[0-9]{7}	2	gylr	2017-11-06 00:55:37	admin
Q1	WP[0-9]{4}[1234]Q0[0-9]{7}	2	1142	2017-05-12 00:00:00	admin
M0	WP[0-9]{4}[12]M[0-9]{8}	2	QA-wizarpos	2017-05-12 00:00:00	admin
W1_1024	WP[0-9]{4}[12]H[0-9]{8}	2	test007	undefined	admin
P1	WP[0-9]{4}[12]P[0-9]{8}	2	gylr	2015-01-13 00:00:00	admin
W1_	WP[0-9]{4}[12]0[0-9]{8}	2	1142	undefined	admin
W1v2	WP[0-9]{4}[12]W[0-9]{8}	2	QA-wizarpos	2013-12-02 00:00:00	admin

+ ⓘ ✎ 🗑️ 1 of 15 1 - 11 of 11

You can have a customized search for terminals according to “Name” “Processor” “Printer” and so on.

### 6.7.1.1. Create New Terminal Model

Choose “Add” button from the bottom left of the terminal model list, and the system pops up a terminal model creation page as follows:

**Terminal Model** ✕

Manufacturer

Name  \*

SN rule  \*

Priority  \*

### 6.7.1.2. Edit Terminal Model.

Choose a terminal model from the terminal model list, then choose the “Edit” button from bottom left of the list, the system pops out the edit page of the terminal model as follows:

**Terminal Model**

Manufacturer: gyfr

Name: Q2 \*

SN rule: WP[0-9]{4}[1234]Q2[0-9]{7} \*

Priority: 2 \*

Buttons: Commit, Cancel

### 6.7.1.3. Delete Terminal Model

Choose a terminal model from a terminal model list, click “Delete” button from the bottom left of the list, to delete the selected terminal model.

Note: If the terminal model has already been used as some terminals’ configuration, firstly, must remove the configuration from the terminal, then delete the terminal model.

### 6.7.2. Terminal Management

Choose the sub menu “Terminal Management “ from the “Terminals” main menu, the system enters in to the Terminal management page. You can choose the “Add” “Edit” “Delete” “Default Application Configuration” “Parameter Templates” functions of the terminal in this page.

Terminal

Name:  SN:

Model Name: All

Buttons: Search, Export, Push Apps

Terminal	Terminal SN	Name	Group	Model name	Cert Issu	Description	Registration date
<input type="checkbox"/>	NP15461Q00000146	NP15461Q00000146	show	posModel	●		2016-05-17 15:26:06
<input type="checkbox"/>	WP15461Q00000146	WP15461Q00000146	show	posModel	●		2016-05-17 10:58:16
<input type="checkbox"/>	WP15461Q00000652	WP15461Q00000652	NEW	posModel	●		2016-05-13 17:24:36
<input type="checkbox"/>	WP16031Q00003375	WP16031Q00003375	恒宝	posModel	●		2016-05-13 10:14:42
<input type="checkbox"/>	WP16031Q00009981	WP16031Q00009981	NEW	posModel	●		2016-05-12 15:23:32
<input type="checkbox"/>	WP15461Q00000482	WP15461Q00000482	lty	posModel	●		2016-05-12 13:52:45
<input type="checkbox"/>	WP15511H00000152	WP15511H00000152	NEW	posModel	●		2016-05-10 14:05:40
<input type="checkbox"/>	WP15461Q00000809	WP15461Q00000809	cjy	posModel	●		2016-05-09 13:43:59
<input type="checkbox"/>	WP15521H00000234	WP15521H00000234	NEW	posModel	●		2016-05-06 18:07:59
<input type="checkbox"/>	WP15511H00000037	WP15511H00000037	NEW	posModel	●		2016-04-28 10:40:32
<input type="checkbox"/>	WP12345Q10000050	WP12345Q10000050	cjy	posModel	●		2016-04-28 10:04:50
<input type="checkbox"/>	WP12345Q10000047	WP12345Q10000047	cjy	posModel	●		2016-04-28 09:41:51

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In this page, User can have a customized search by the terminal names, SN number, and model name, combining with the terminal group tree on the left.

#### 6.7.2.1. Create New Terminal.

The terminal is automatically registered by the terminal itself once the terminal is firstly connected with the Internet, and User doesn’t need and can not register terminals.

Conditions that the terminal re-register to wizarView:

- When the Terminal or WizarView has abnormal communication due to loss of certification, the terminal will automatically initiate a registration operation.

### 6.7.2.2. Edit Terminal

Choose a terminal from the terminal list, and click the “Edit” button from the bottom left, the system pops out a terminal edit page as follows.

### 6.7.2.3. Delete Terminal

Choose a terminal from the terminal list, and click “Edit” button from the bottom left, the terminal is then deleted. Note: If the terminal has already been configured with applications, then firstly must remove these applications from the terminal, then delete the terminal.

### 6.7.2.4. Application Management

Choose a terminal from the terminal list, choose “Default Application” button from the bottom left, the system pops out a “Application Management” page as below:

Config Application WP19520M20000084

Config Application | Configed Tag

Icebox - Total: 3						
Application	Version	File Name	Install Mode	Bind Time	operator	
agent4-2-38-q	4-2-53	WizarviewAgent v4-2-53-r20190428104002-release4-2-q1-q1-platform.apk	●	2019-03-06 17:35:21	lipeng	
系统应用: wizarviewagent_3.x.*	4-2-38	WizarviewAgent v4-2-38-r20181116143346-all-q2-platform.apk	●	2019-04-17 11:22:33	minyeli	
VoiceApp	1.1.1045	voice_v1.1.1045_apkpure.com.apk	●	2019-04-24 15:31:52	minyeli	
Configed Application - Total: 2						
<input type="checkbox"/>	Application	Version	File Name	Install Mode	Bind Time	operator
<input type="checkbox"/>	VoiceApp	1.1.1045	voice_v1.1.1045_apkpure.com.apk	●	2019-06-25 10:34:41	minyeli
<input type="checkbox"/>	IceboxCameraApp	1.0.2	app-release.apk	●	2019-06-25 10:34:32	minyeli

+ Add    Delete    Silent    Prompt    Market

The “Application Management” page includes two sub pages: “Config Application” and “Configed Tag”.

The First page “Config Application” is used to configure and applications to the terminal. And it also display the applications that have been configured already in the upper terminal group, and they can not be configured again.

The Second page “Configured Tag” shows the tags that has been configured, and the tags can be removed.

**WP15461Q00000146 Default AppVersion** ✕

[Config Application](#)   [Has Config Application](#)   [Has Config Tag](#)

Tag Name

Tag List				
<input type="checkbox"/>	Tag Name	Owner Name	Tag Description	Create Date

— Cancel 1 of 0 No records

### 6.7.2.5. Parameter Setting of Terminal Application

Choose a terminal from the terminal list, click “Application Param Config” button from the bottom left, the system pops out the “Terminal Application Parameter Setting” as below:

**TerminalApplicationParamSetting** ✕

Index	Name	Group	File	Application	Version	CreateTime	Status
2578	123	慧银	123	NEW_DynmaicParameter-123	1.0_20160512170149	2016-05-12 17:01:49	Error

1 of 1 1 - 1 of 1

You can “Add”, “Edit” and “Delete” terminal application parameters in this page. Click the “Add” button, will show the parameter template that can be configured, as below:



Name

To be selecting					
Name	Group	Provider	File	Profiles	Added
模板1	慧银	上海慧银			2014-04-22 10:25:39
模板2	慧银	上海慧银			2014-04-22 10:56:20
123	慧银	上海慧银			2014-04-28 10:24:31
360	慧银	上海慧银			2014-04-28 10:35:25
360e	慧银	上海慧银			2014-04-28 10:37:38
ceshi99billpos	慧银	上海慧银			2014-07-16 10:27:56
123	慧银	上海慧银			2014-07-22 10:53:31
testmodel	慧银	上海慧银			2014-09-16 16:39:17
1	慧银	上海慧银			2014-09-17 17:05:52
4	慧银	上海慧银			2014-09-17 17:07:11
3	慧银	上海慧银			2014-09-17 17:07:30
5	慧银	上海慧银			2014-09-17 17:11:20
AA	慧银	上海慧银			2014-09-24 14:44:42
dyf	慧银	上海慧银			2014-09-28 14:54:20
8	慧银	上海慧银			2014-10-10 09:11:43

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You can search the parameter templates that wanted to be configured from this page, and choose the template and click the “Add” button, then the detailed template configuration page will pops out as below :

abapay

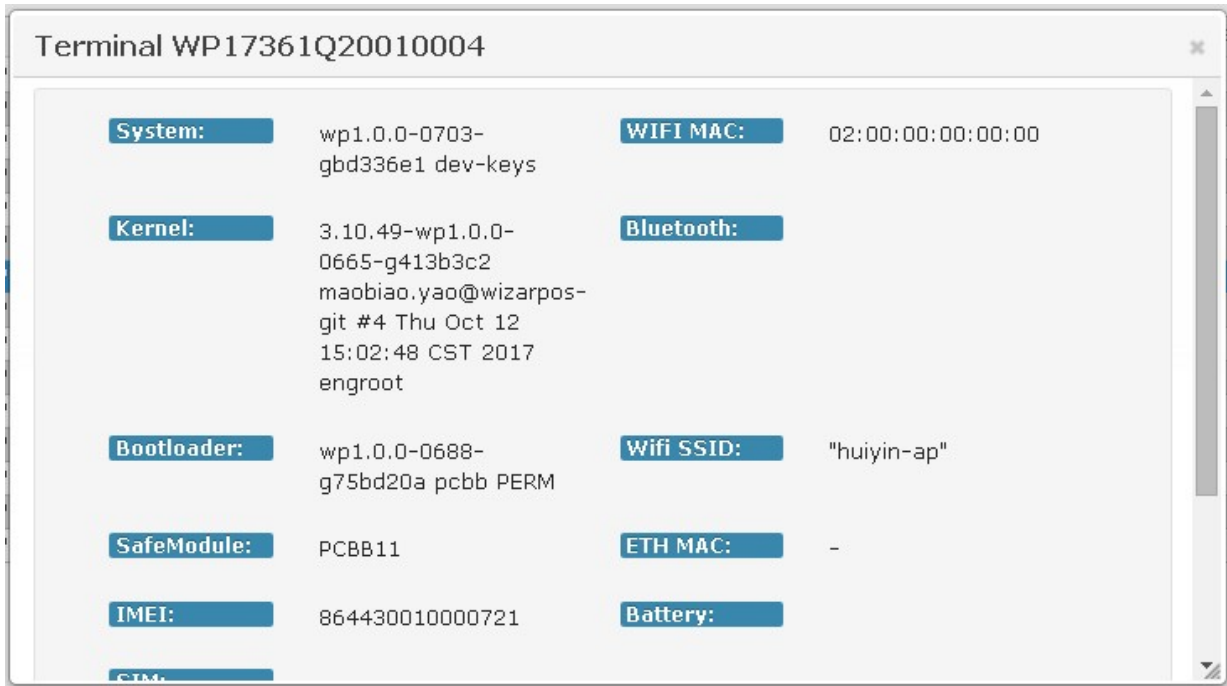
Template	<input type="text"/>	Version	20171002112406
MID	123456789012345	TID	<input type="text"/>
Merchant Name	Test Merchant	Merchant Address	<input type="text"/>
Phone	<input type="text"/>	Trace#	1
Batch#	1	RECEIPT NUMBER	2
TPDU	<input type="text"/>	SERVER IP	<input type="text"/>
SERVER PORT	<input type="text"/>	COMM TIMEOUT	60
COMM RETRY	3	MAX TRANS	500
KEY INDEX	0	ENABLE SALE	YES
ENABLE MOTO	YES	ENABLE VOID	YES
ENABLE PRE-AUTH COMPLETE	YES	ENABLE PRE-AUTH	YES
ENABLE CASH	YES		

Click the “Deploy” button to finalize all the parameter configuration of the terminal.  
 Note: To check the generated application parameter, find the detailed information from the “Application Version Management” menu.

**6.7.2.6. Terminal Property**

Click the “System Parameter” button at the bottom of the terminal list, the following page will pop out:





The information above shows the terminal hardware information. They are sent from the terminal to the wizarView system.

### 6.7.3. Terminal Group Management

The terminal group management, including the “Add”, “Edit” and “Delete” functions for the terminal group, and also including the “Configuration” function used to for applications that installed in default for it’s lower terminal groups.

Terminal Group

Terminal Group Name

Country

State

Phone

Email

Group List						
Name	Superiors	Type	Phone	Email	Country	State
慧银		Terminal Manufacturer	51571771	tingyuan.li@wizarpos.com	Bhutan	Bumthang
wizarpos	慧银	Terminal Manufacturer	51571771	support@wizarpos.com	China	Shanghai
Demo	慧银	General	51571771	tingyuan.li@wizarpos.com	China	Shanghai
demotest2	Demo	Distributor		aileen.lin@wizarpos.com	China	Shanghai
QA	慧银	General		aileen.lin@wizarpos.com	Bolivia	Chuquisaca
aa1	慧银	General			China	Anhui
QC	Demo	Merchant		aileen.lin@wizarpos.com	China	Zhejiang
QAilily	慧银	General		lily.guo@wizarpos.com	Afghanistan	Badakhshan
demo-guan	慧银	General		yali.guan@wizarpos.com	Afghanistan	Badakhshan
QA-1	慧银	General		aileen.lin@wizarpos.com	China	Qinghai
QA-11	QA1	General		aileen.lin@wizarpos.com	China	Shanxi
WP1319100000012	Demo	General	12345678	fengqin.han@wizarpos.com	China	Shanghai

In this page, the user can have a customized on-demand search based on different filters, such as “Country”, “Phone”, and at the same time, combing with the tree structured terminal group on the left.

#### 6.7.3.1. Create Terminal Group

Click the “Add” button from the bottom left of the terminal group list, and the system will pop out terminal group

create page as follows

Group

Name  \*

Type General

Country China

Address1

Zip Code

Fax

Description

Superiors  \*

Email

State Anhui

Address2

Phone

Inherit Groups App

Here, if selected “Inherit Group App”, then this new terminal groups will inherit all apps from it’s upper level terminal groups.

### 6.7.3.2. Edit Terminal Group

Choose a list of terminal group from the terminal groups, and click “Edit” button at the bottom left, then the system pops out the edit page as below:

Group wizardpos

Name  \*

Type Terminal Manufactur

Country China

Address1

Zip Code

Fax

Description

Superiors  \*

Email

State Shanghai

Address2

Phone

Inherit Groups App

### 6.7.3.3. Delete Terminal Group

Choose a list of terminal group from the terminal groups, and select the “Delete “ button, then the terminal group is deleted.

### 6.7.3.4. Application Configuration

Choose one list of terminal group from the terminal groups, and select the “Default Application” button at the bottom left, the system will pop out the following page:

**Config Application 补充医疗** ✕

**Configured Application - Total: 1**

	Application	Version	File Name	Install Mode	Bind Time	operator
<input type="checkbox"/>	补充医疗收银台	1.1.2	release1.1.2.apk	●	2018-05-03 13:53:41	kezhe.guan

+ Add
🗑 Delete
🔇 Silent
! Prompt
🏪 Market

### 6.7.4. Terminal Batch Import

Select “Batch Import” sub-menu from the “Terminals “ menu, the system enters the “Terminal Batch Import Management” page. This page mainly realizes bulk import of terminals and query function, as shown below:

**Terminal Batch Import**

Terminal Imported List
Detail Query

Batch No

Search

Terminal Import Batch				
Batch No	Import Time	Group	Operator	
20171016104713	2017-10-16 10:47:13	Root	gaotao	
20171016104442	2017-10-16 10:44:42	Root	gaotao	
20171016104001	2017-10-16 10:40:01	Root	zhangwenjiang	
20171012095554	2017-10-12 09:55:54	Root	qiyuqing	
20171011151324	2017-10-11 15:13:24	Root	zhangwenjiang	
20171011150247	2017-10-11 15:02:47	Root	zhangwenjiang	
20170928172348	2017-09-28 17:23:48	Root	zhangwenjiang	
20170928151334	2017-09-28 15:13:34	Root	qiyuqing	
20170928150700	2017-09-28 15:07:00	Root	qiyuqing	
20170928145458	2017-09-28 14:54:58	Root	qiyuqing	
20170928125041	2017-09-28 12:50:41	Root	qiyuqing	
20170928124918	2017-09-28 12:49:18	Root	qiyuqing	
20170928113947	2017-09-28 11:39:47	Root	zhangwenjiang	
20170928104403	2017-09-28 10:44:03	Root	zhangwenjiang	
20170927104102	2017-09-27 10:41:02	Root	qiyuqing	

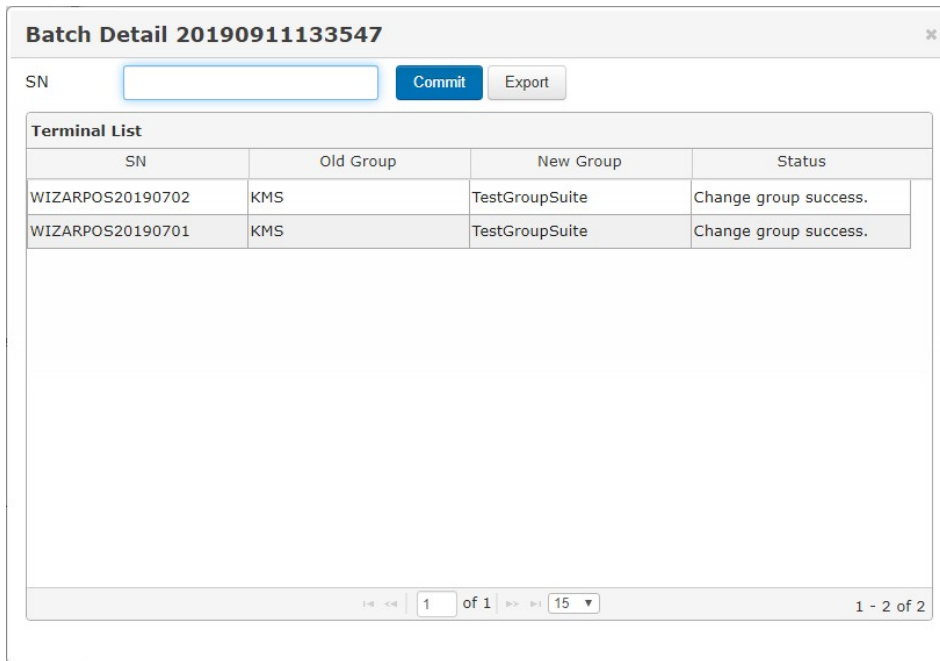
View Details File Import

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wizarView, a product of wizarPOS v2.1.r27054

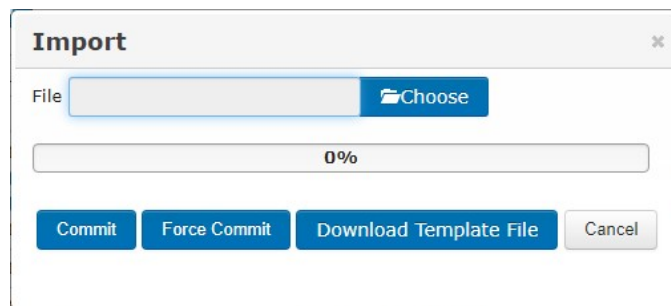
#### 6.7.4.1. View Details

In the batch of the imported terminals, select a line and select the “View” button, you can view the detailed information about the terminal, as shown below:



#### 6.7.4.2. File Import

In the batch of the imported terminals, select a line and click the “File Import” button, then the system pops up the page for importing files, as shown below:



Import Rule Description:

- Users can only import the terminals SN that they own.
- If need to import new terminal SN, please contact to wizarView administrator to do this.
- If imported SN had binding relation with application, the import operation will fail. Force Commit will erases the binding relationship of the terminals and import.
- If one of the terminal import fails, the entire import operation fails.

#### 6.7.5. Terminal Tag Management

The role of tag: You can manage the relationship between the terminal and the application on the sub-terminal group across the boundaries of the terminal group.

Select the sub-menu “Terminal Tag” under the “Terminals” menu in the menu bar, and the system enters the “Terminal Label Management “ page. this page mainly achieves the “Add”, “Edit”, “Delete”, and “Binding” function, in addition, the system has added tag-based application “Push” and “Statistics” functions, as shown below:

Tag

Tag Name

Tag Name	Owner Name	Tag Description	Create Date	Operator
新零售手持版本	Root	新零售手持版本	2017-09-07 18:23:11	wangshaojun
扫码服务	Root	扫码服务	2017-07-31 11:29:28	nixiaojun
重力传感器固件升级	Root	修复确认键	2017-05-25 15:44:04	nixiaojun
根群初始化	Root	推送根群初始化程序	2017-07-06 15:43:06	qiuyuying
海外收款	Motion Pay Technology Inc	海外收款	2017-05-19 09:58:05	zhouting
演示	Root	演示 (DT、指纹、脱机链接)	2017-07-21 12:19:29	zhangwenjiang
W1_大日志应用	Root	全日志用	2017-01-17 16:47:25	nixiaojun
Q1_大日志应用	Root	全日志用	2017-01-17 16:46:58	nixiaojun
艾伟威尔2100台升级	Root	升级TP固件 (kernel)	2017-01-04 17:01:03	nixiaojun
W1_wizarviewagent	Root	更新旧终端的系统应用	2016-10-28 15:52:36	lipeng
test1020	wizarpos_cjy	test	2016-10-20 16:17:40	
test0920	wizarpos_cjy	test0920	2016-09-20 15:35:54	
Q1agent升级 (含日志工具)	Root	全部Q1	2016-09-19 09:23:54	
boot升级	Root	boot	2016-09-01 14:30:18	
cyjtestbootloader	Root	标签推送	2016-08-24 10:07:10	

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wizarView, a product of wizarPOS v2.1.r27054

### 6.7.5.1. Create Tags

Select the “Add” button from the bottom left of the “Terminal Tag Management” page, the system pops up the below page:

Tag

Owner  \*

Tag Name  \*

Tag Description  \*

### 6.7.5.2. View Tags

Select the “View” button from the bottom left of the “Terminal Tag Management” page, the system pops up the below page:

The screenshot shows a dialog box titled "Tag" with the following fields and values:

- Owner: Root
- Tag Name: cjytestbootloader \*
- Tag Description: 标签推送 \*

A "Cancel" button is located at the bottom center of the dialog.

### 6.7.5.3. Edit Tags

Select the "Edit" button from the bottom left of the "Terminal Tag Management" page, the system pops up the below page:

This screenshot is identical to the previous one, but includes an additional "Commit" button (highlighted in blue) located to the left of the "Cancel" button at the bottom of the dialog.

### 6.7.5.4. Delete Tags

Select the "Delete" button from the bottom left of the "Terminal Tag Management" page, the tags is deleted.

Note: The label must be unbundled with application before it's deleted.

### 6.7.5.5. Tags Bidding

Select the "Binding" button in the bottom left of the "Terminal Tag Management" lists, and a tag binding window will pop up. The window contains 3 pages, "Terminal Config", "Application Config", and "Batch Terminal Config". The "Terminal Config" page shows the configured terminals and the optional terminals which can configure and remove tags from the terminal. As shown below

Tag Config cjytestbootloader

Terminal Config Application Config Batch Terminal Config

SN  Owner

**Terminal Has Config**

<input type="checkbox"/>	Terminal SN	Name	Group	Model name	Configuring Time	Operator
No records						

- Cande 1 of 0 5

SN  Owner

**Terminal Available**

<input type="checkbox"/>	Terminal SN	Name	Group	Model name
<input type="checkbox"/>	WP17391W00000010	WP17391W00000010		W1v2
<input type="checkbox"/>	WP17391W00000006	WP17391W00000006		W1v2
<input type="checkbox"/>	WP17391W00000007	WP17391W00000007		W1v2
<input type="checkbox"/>	WP17391Q20000011	WP17391Q20000011	NEW	Q2
<input type="checkbox"/>	WP17391W00000008	WP17391W00000008		W1v2

+ Config 1 of 12,403 5 1 - 5 of 62,014

The terminal application configuration tab page shows the configured and configurable applications that can be configured and removed by the application. As shown below:

Tag Config cjytestbootloader

Terminal Config Application Config Batch Terminal Config

Name  Type All

File  Application  Search

**Application Has Config**

<input type="checkbox"/>	Name	Group	Application	Installation Mo	File	Configuring Time	Operator
<input type="checkbox"/>	1.0.0	NEW		<span style="color: green;">●</span>	WizarVAPClient.apk	2017-06-30 16:34:02	chenjinyang

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Name  Type All

File  Application  Search

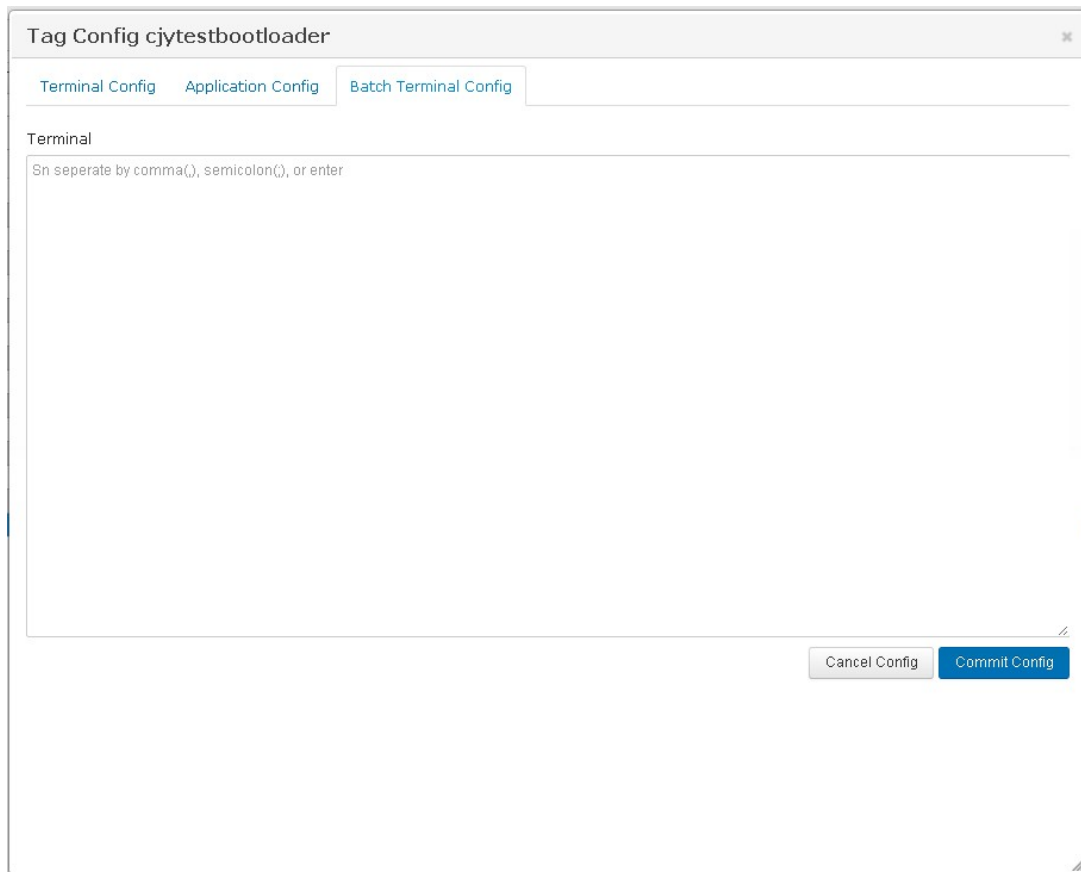
**Application Available**

<input type="checkbox"/>	Name	Group	Application	File	Update Date
<input type="checkbox"/>	7.0		au_zpp-release-7.0	app-release_au_0928.apk	2017-10-15 09:22:59
<input type="checkbox"/>	22	wizarpos_cjy	cjytest0906_2	testfirmware_1014.zip	2017-10-14 14:18:29
<input type="checkbox"/>	222	1021test	1021test_firmware	testfirmware_1014.zip	2017-10-14 14:15:12
<input type="checkbox"/>	2.7.3			RegisterpartnerDataCollect_common_20171013_v2.7.3_release.apk	2017-10-14 14:11:28
<input type="checkbox"/>	2017101412	Idealink Consulti	appParam-WP1640	com_idealink_mvisa.pro#appParam.xml	2017-10-14 12:2

+ Silent + Prompt + Market 1 of 796 5

In the "Batch Configuration Terminal" page, you can bind multiple terminals to the tag, which is easy to configure. As shown below





## 6.8. Template Management

Template management is divided into "Parameter File Management" and "Parameter Template Management".

### 6.8.1. Parameter Config File Management

The parameter file is a "xml" file that is specifically designed for the wizarView system and has a fixed format.

Select the "Parameter File" sub-menu under the "Template Management" menu and the system will enter the "Parameter File Management" page. In this page, it's main realized "Add", "Edit", "Delete" and other functions of the parameter files. And in this page, the user can have a customized search by parameter file name, combined with the terminal group tree on the left, as shown below

Parameter Template

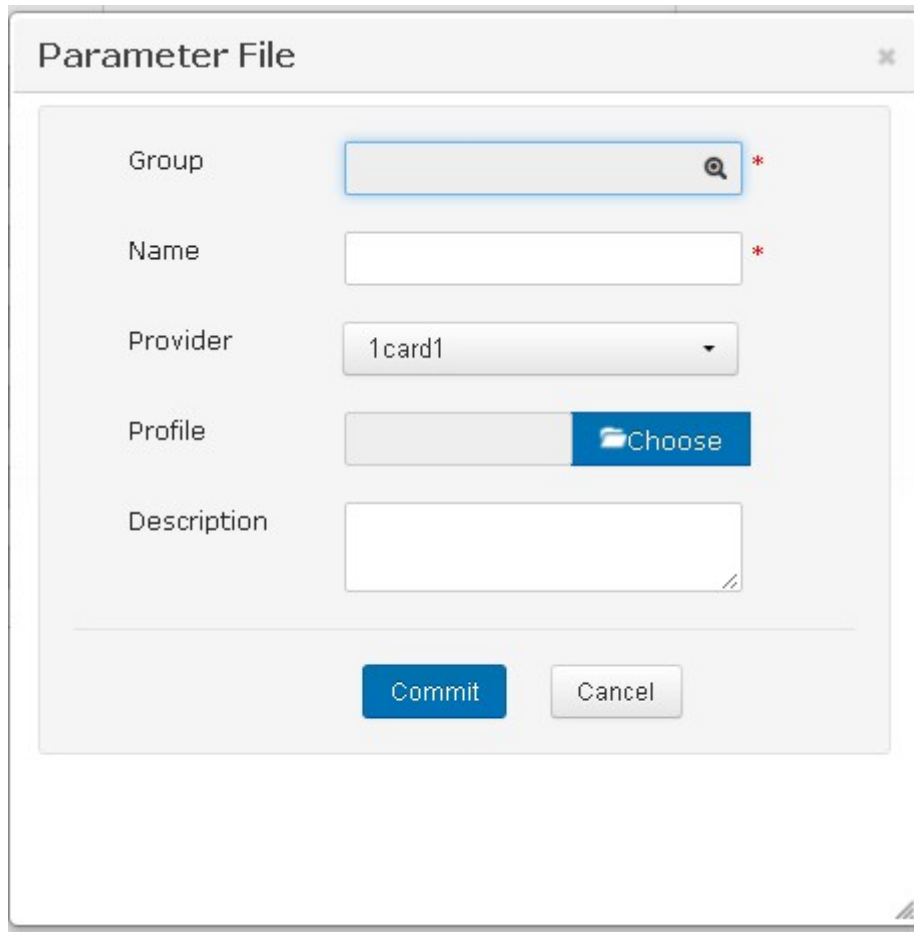
Name

Parameter Template						
Name	Group	Provider	Parameter file	Package file	Added time	Operator
		hantrea		com.wizarpos.abapay	2017-08-08 13:54:11	Hean Chantrea
		chantrea		com.idealink.mvisa.pro	2017-09-25 15:54:58	Hean Chantrea
mVisa	Idealink Consulting	chantrea		com.idealink.mvisa.uat	2017-08-24 15:23:28	Hean Chantrea
ksbank	Root	上海慧银	ksbank	com.wizarpos.paymentrouter#com.wizarpos.ksbank	2017-07-25 13:31:57	nixiaojun
yufu	Root	上海慧银	yufu	com.wizarpos.paymentrouter#com.wizarpos.yfpos	2017-09-05 09:55:08	nixiaojun
liuliangtest	Root	上海慧银	liuliang	com.wizarpos_cup	2017-05-11 14:44:04	nixiaojun
yi-shi	Root	上海慧银	001	com.wizarpos.paymentrouter#com.wizarpos.yishi	2015-11-09 13:47:16	nixiaojun
hexintong	Root	上海慧银	hexintong	com.wizarpos.paymentrouter#com.wizarpos.hxt	2016-12-26 10:50:38	nixiaojun
maifeng-01	Root	上海慧银	005	com.wizarpos.paymentrouter#com.wizarpos.mfpos	2016-08-29 17:52:06	
maifeng	Root	上海慧银	001	com.wizarpos.paymentrouter#com.wizarpos.mfpos	2016-08-29 17:27:23	

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### 6.8.1.1. Create Parameter File

Select "Add" button from the bottom left of the parameter file list, the system will pop up the new window as shown below



The screenshot shows a dialog box titled "Parameter File" with a close button in the top right corner. The dialog contains the following fields and controls:

- Group:** A text input field with a magnifying glass icon on the right and a red asterisk indicating it is required.
- Name:** A text input field with a red asterisk indicating it is required.
- Provider:** A dropdown menu currently showing "1card1".
- Profile:** A text input field with a blue button labeled "Choose" on the right.
- Description:** A text area with a small icon in the bottom right corner.

At the bottom of the dialog, there are two buttons: "Commit" (blue) and "Cancel" (grey).

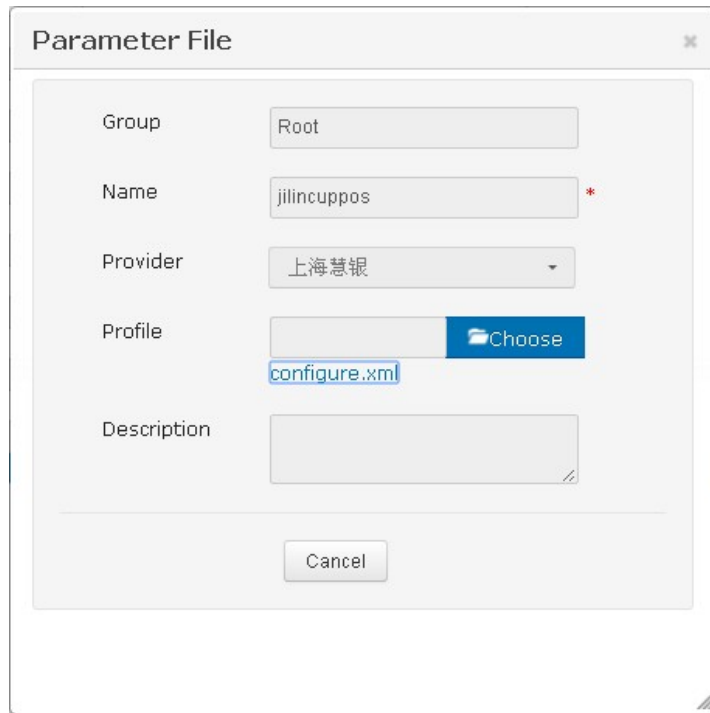
Select configuration file, such as "configure.xml" to complete the new parameter file functional, which "configuration file" is required.

**Notice:**

Please refer to the [chapter 8](#) about the configuration file(configure.xml) rules.

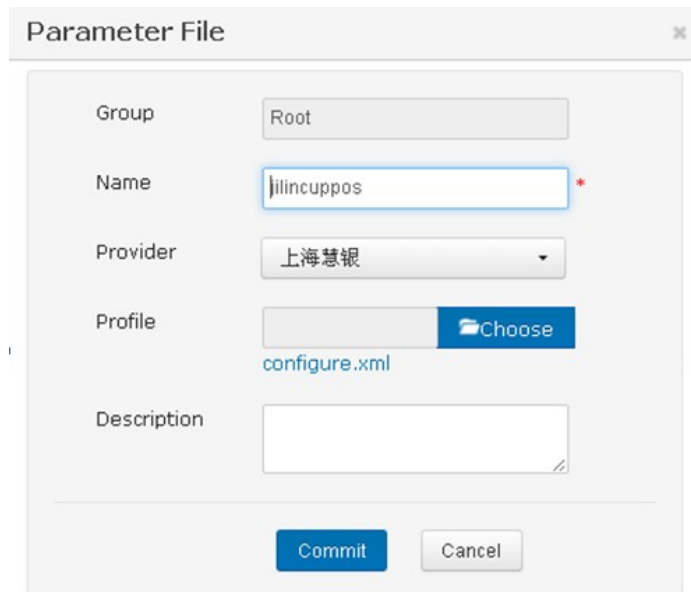
### 6.8.1.2. View Parameter File

Click the "View" button from the bottom of the parameter file list, the system then pops up a parameter file dialog box, as shown below



### 6.8.1.3. Edit Parameter File

Click the “Edit” button from the bottom of the parameter file list, the system then pops up the edit parameter file dialog box, as shown below



### 6.8.1.4. Delete Parameter File

Click the “Delete” button from the bottom of the parameter file list to delete the parameter file. Note: You need to delete the parameter file that has already implemented this parameter file before deleting the parameter file itself.

## 6.8.2. Parameter Template Management

Select the “Parameter Template” submenu from the “Templates” menu in the menu bar, to enter the “Parameter Template Management” page. In this page, it mainly realizes of the parameters of the template to “Add”, “Edit”, “Delete” and other functions, as shown below:

Parameter Template							
Name	Group	Provider	Parameter file	Package file	Added time	Operator	
abapay	Idealink Consulting	chantrea	abaPay-UAT	com.wizarpos.abapay	2017-08-08 13:54:11	Hean Chantrea	
mVisa-pro	Idealink Consulting	chantrea	mVisa	com.idealink.mvisa.pro	2017-09-25 15:54:58	Hean Chantrea	
mVisa	Idealink Consulting	chantrea	mVisa	com.idealink.mvisa.uat	2017-08-24 15:23:28	Hean Chantrea	
ksbank	Root	上海银联		com.wizarpos.paymentrouter#com.wizarpos.ksbank	2017-07-25 13:31:57	niniiajun	
yufu	Root	上海银联	yufu	com.wizarpos.paymentrouter#com.wizarpos.yufu	2017-09-05 09:55:08	niniiajun	
liuliangtest	Root	上海银联	liuliang	com.wizarpos_cup	2017-05-11 14:44:04	niniiajun	
yi-shi	Root	上海银联	001	com.wizarpos.paymentrouter#com.wizarpos.yishi	2015-11-09 13:47:16	niniiajun	
hexintong	Root	上海银联	hexintong 001	com.wizarpos.paymentrouter#com.wizarpos.shxt	2016-12-26 10:50:38	niniiajun	
maifeng-01	Root	上海银联	005	com.wizarpos.paymentrouter#com.wizarpos.s_mfpos	2016-08-29 17:52:06		
maifeng	Root	上海银联	001	com.wizarpos.paymentrouter#com.wizarpos.s_mfpos	2016-08-29 17:27:23		
2237	测试组	上海银联	yishi	123	2016-05-14 22:37:36		
zhong-hui	Root	上海银联	zhonghui	com.wizarpos.paymentrouter#com.wizarpos.s_atpos	2016-05-10 14:44:09		
dianbai-qu	Root	上海银联	004	com.wizarpos.paymentrouter#com.wizarpos.s_danbaicu	2016-04-28 13:58:24		
hua-shi	Root	上海银联	003	com.wizarpos.paymentrouter#com.wizarpos.s_hspos	2015-12-22 10:52:01		
xun-lian	Root	上海银联	002	com.wizarpos.paymentrouter#com.wizarpos.s_cardlink	2015-11-09 13:47:45		

wizaView, a product of wizaPOS v2.1.027054

On this page, the user can customize the on-demand query with the parameter name combined with the selection operation to the terminal group tree on the left.

### 6.8.2.1. Create Parameter Template

Select "Add" button from the bottom left of the parameter template, and the system pops up the following page:

**Parameter Template** ✕

Group  \*

Provider

Name  \*

Parameter file

Package file  \*

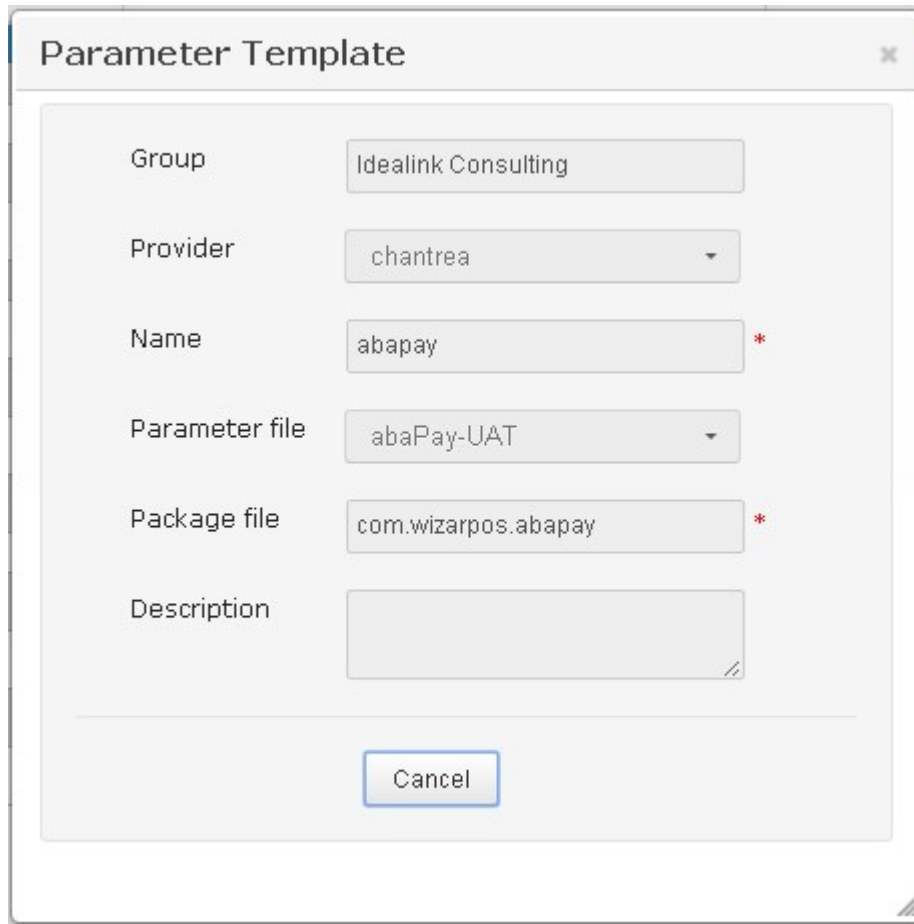
Description

The Parameter Template is set up to facilitate the rapid implementation of large Application Information, and to provide users with a unified configuration interface.

Where the "Name", "Parameter" "File" and "Package Name" are required. The parameter file can be selected from the list of the newly created parameter files list.

### 6.8.2.2. View Parameter Template

Select a line of template from the parameter template list, Click the "View" button from the bottom left, the system then pops up a parameter template view window as shown below.



The image shows a dialog box titled "Parameter Template" with a close button (X) in the top right corner. The dialog contains several input fields:

- Group:** A text box containing "Idealink Consulting".
- Provider:** A dropdown menu with "chantrea" selected.
- Name:** A text box containing "abapay" with a red asterisk (\*) to its right.
- Parameter file:** A dropdown menu with "abaPay-UAT" selected.
- Package file:** A text box containing "com.wizarpos.abapay" with a red asterisk (\*) to its right.
- Description:** An empty text area with a diagonal slash icon in the bottom right corner.

At the bottom center of the dialog is a "Cancel" button.

### 6.8.2.3. Edit Parameter Template

In the parameter template list, select a line of template, and click the "Edit" button, then pops up a parameter template editing window as shown below

The image shows a 'Parameter Template' dialog box with the following fields and values:

Field	Value
Group	Idealink Consulting
Provider	chantrea
Name	abapay
Parameter file	abaPay-UAT
Package file	com.wizarpos.abapay
Description	

Buttons: Commit, Cancel

#### 6.8.2.4. Delete Parameter Template

Select a line of template from the parameter template list, Click the “Delete” button from the bottom left, the selected template is deleted.

**Notice:** If there is terminal that applied with the template, then you need to remove the template from the terminal firstly, before delete the template.

#### 6.8.2.5. Configure Parameter Template

Select a line of template from the parameter template list, Click the “Config” button from the bottom left, then the system pops up a template configuration window which is configured with all detailed terminal application parameters, please be cautious. Please see below:

Parameter Template abapay

please modify this template under help of operational people or developers

MID	123456789012345	TID	
Merchant Name	Test Merchant	Merchant Address	
Phone		Trace#	
Batch#		RECEIPT NUMBER	2
TPDU		SERVER IP	
SERVER PORT	5052	COMM TIMEOUT	60
COMM RETRY	3	MAX TRANS	500
KEY INDEX	0	ENABLE SALE	YES
ENABLE MOTO	YES	ENABLE VOID	YES
ENABLE PRE-AUTH COMPLETE	YES	ENABLE PRE-AUTH	YES
ENABLE CASH	YES		

Deploy Cancel

## 6.9. Remote monitoring and Management

### 6.9.1. Terminal Download Monitoring

Select the "Download Monitor" submenu under the "Monitor" menu in the menu bar to enter the "Terminal Download Monitoring" page. The page will display real-time dynamic of the terminal in download and download status.

Download monitor

Terminal SN	Application	Version	Start Time	Client IP	Progress
WP17361Q20000004	test_170904	1.23	2017-10-16 13:43:24.1.1.1.2		73.8%
WP16151Q00003263	ICR	HK[201707281730]	2017-10-16 13:28:15.122.97.176.204		35.1%

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wizarView, a product of wizarPOS v2.1.02054

### 6.9.2. Download History

Select the "Download History" submenu under the "Monitor" in menu in the menu bar to enter the "Terminal Download History" page. The page will display the details of the terminal download.

Download History

SN  Application  Version  History

Download History List											
Group	SN	Application	Version	IP	Server	Retry	Statu	Start Time	Cost(s)	Size	Speed
/WizarPOS/NEW	WP18051K20007455	ffff	w	192.168.200.160	192.168.200.17:8080	0	●	2019-09-27 15:31:07	2	123.63 KB	61 KB/s
/WizarPOS/NEW	WP18051K20007455	ffff	1	192.168.200.160	192.168.200.17:8080	0	●	2019-09-27 15:13:00	25	9.36 MB	383 KB/s
/WizarPOS/NEW	WP18051K20007455	ffff	1	192.168.200.160	192.168.200.17:8080	0	●	2019-09-27 15:08:51	20	9.36 MB	479 KB/s
/WizarPOS/NEW	WP18051K20007455	ffff	22	192.168.200.160	192.168.200.17:8080	0	●	2019-09-27 14:58:13	2	362.52 KB	181 KB/s
/WizarPOS/NEW	WP18051K20007455	UC	1.0	192.168.200.160	192.168.200.17:8080	0	●	2019-09-27 11:33:35	7	1.33 MB	194 KB/s
/WizarPOS/NEW	WP18051K20007455	UC	1.0	192.168.200.160	192.168.200.17:8080	0	●	2019-09-27 11:32:34	6	1.33 MB	227 KB/s
/WizarPOS/NEW	WP18051K20007455	UC	1.0	192.168.200.160	192.168.200.17:8080	0	●	2019-09-27 11:25:22	15	1.33 MB	90 KB/s
/WizarPOS/NEW	WP18051K20007455	UC	1.0	192.168.200.160	192.168.200.17:8080	0	●	2019-09-27 11:19:26	8	1.33 MB	170 KB/s
/WizarPOS/NEW	WP18051K20007455	UC	1.0	192.168.200.160	192.168.200.17:8080	0	●	2019-09-27 10:54:37	9	1.33 MB	151 KB/s
/WizarPOS/NEW	WP18051K20007455	UC	1.0	192.168.200.160	192.168.200.17:8080	0	●	2019-09-27 10:52:54	8	1.33 MB	170 KB/s

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### 6.9.3. Terminal Monitoring

Select the "Terminal Monitor" submenu under "Monitor" menu in the menu bar to enter the "Terminal Monitoring" page. The page will display the status and information of the terminal in real time.

Terminal Monitor

SN  Custom SN  Is Online

Network Type

Terminal List											
<input type="checkbox"/>	SN	Custom SN	Group	IP	Online	Online Tir	Running T	Locatior	App Cc	Log	Updated Time
<input type="checkbox"/>	WIZARPOS20190703		TestGroupSuite	192.168.200.98	●	00:00:00	00:00:00	📍	6	📄	2019-10-16 11:31:25
<input type="checkbox"/>	WP17451Q20003186	123456788	NEW	192.168.200.160	📶	04:27:58	336:17:36	📍	24	📄	2019-10-16 10:06:03
<input type="checkbox"/>	WP16201Q00004863		TEST-LI	192.168.202.157	●	00:00:00	187:33:49	📍	42	📄	2019-10-10 04:23:47
<input type="checkbox"/>	WP18051K20007455		NEW	192.168.200.160	●	00:00:00	290:40:40	📍	22	📄	2019-10-09 14:26:44
<input type="checkbox"/>	WP18351Q10000011		NEW	192.168.200.160	●	00:00:00	00:02:29	📍	23	📄	2019-10-09 13:48:21
<input type="checkbox"/>	WP17011Q00009999		NEW	192.168.202.96	●	00:00:00	22:43:44	📍	32	📄	2019-09-30 15:35:36
<input type="checkbox"/>	WP18401Q10000015		NEW	192.168.202.246	●	00:00:00	262:30:48	📍	21	📄	2019-09-29 15:25:09
<input type="checkbox"/>	WP47391Q20000042		NEW	192.168.202.62	●	00:00:00	25:26:12	📍	21	📄	2019-09-25 01:23:49
<input type="checkbox"/>	WP11111111111111		NEW	192.168.202.240	●	00:00:00	05:23:52	📍	16	📄	2019-09-19 09:41:57

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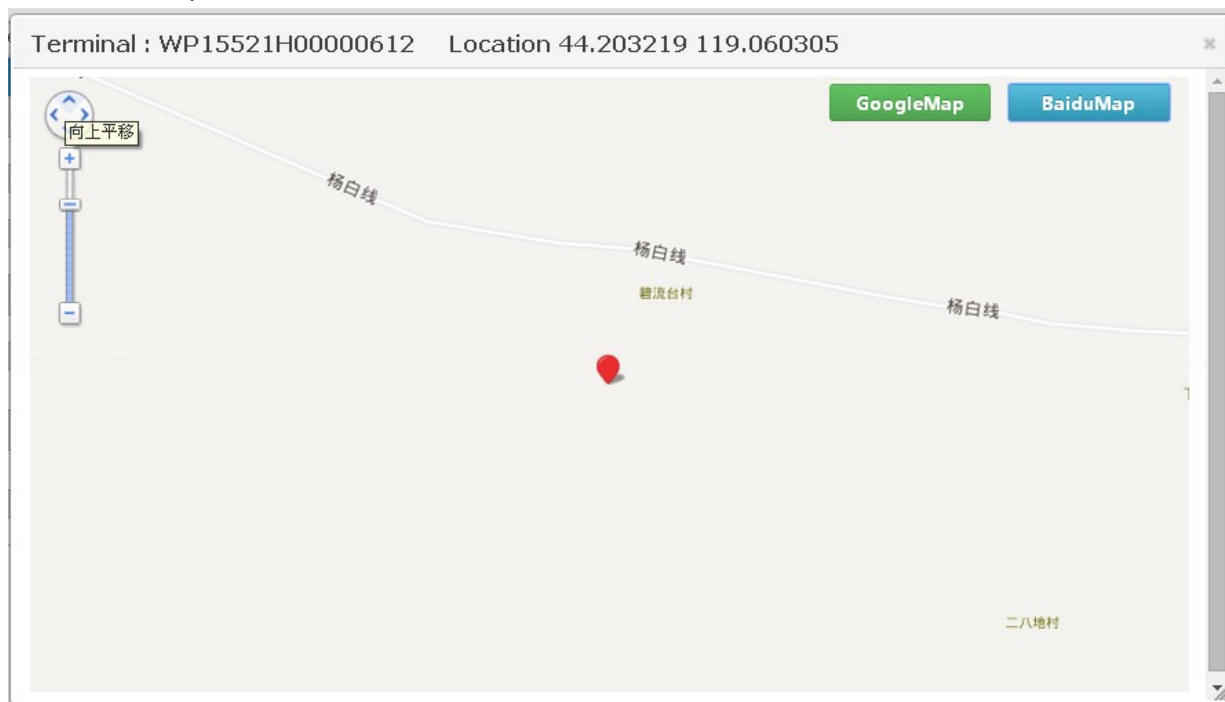
The "Terminal Monitoring" page provides the search function according to the terminal tree on the left of the window, SN number and online status. Select a certain or some of the terminals, you can then push the latest application, the latest events, log update and so on, also you can modify the password and push all applications



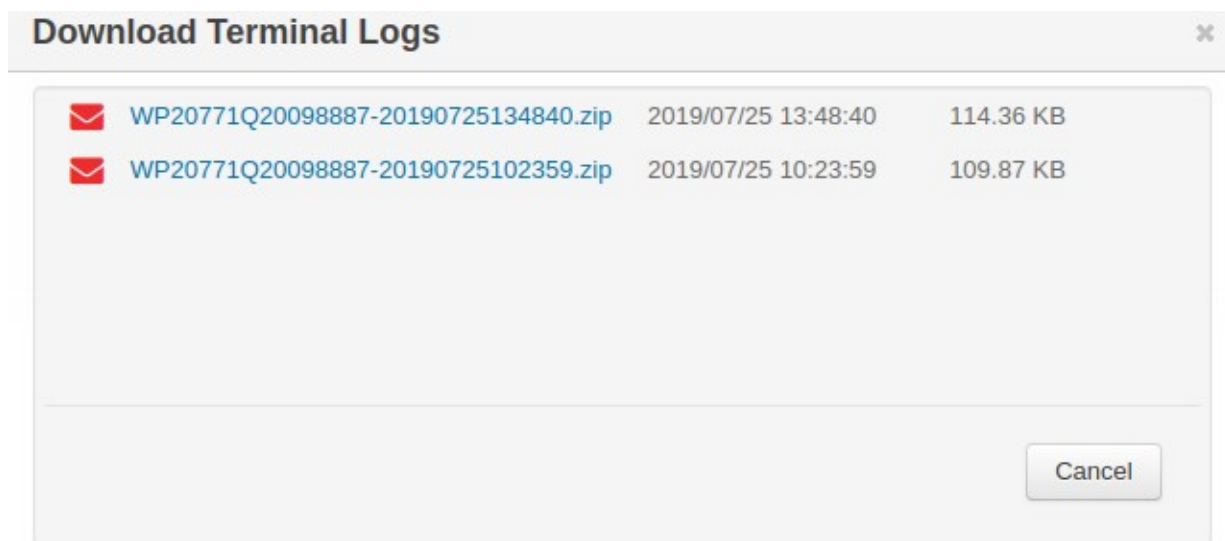
at once.

### 6.9.3.1. Terminal Location and Log

Click on the terminal positioning icon from terminal monitoring list in the, then the system pops up a page in the map that shows the specific location of the terminal, as below:



Click the button under the "Log" column, then the system pops up the page as below:



You can then click the corresponding "zip" file to download the log or click the 'email' button to send the log by email.

### 6.9.3.2. Terminal Monitoring Details

Select a line in the "Terminal Monitoring List" and click on the "For more monitorInformation" button at the bottom left the system pops up the page below.

Each page provides various monitoring information ("Terminal Installed Application", "System Event Statistics", "System Event Details", "Terminal Group Change History "), and Users can have a on-demand search based on the relevant name.

The “Installed App” page as the default page will be displayed firstly.

**Terminal WP16201Q00004863**

Package Name  System Application  Search Latest Apps

**Installed Application List**

App	Package Name	Version	Installed Time	Issuer DN
FactoryMode	com.wizarpos.factorymode	1.0	2019-08-29 14:41:13	iew,O=Android,OU=Android,CN=Android,E=android@android.com
WizarViewAgent	com.wizarpos.wizarviewagent	5.0.11	2019-08-23 14:05:56	C=CN,ST=Shanghai,L=Shanghai,O=wizarPOS,OU=RD,CN=wizarHandQ1-platform,E=support@wizarpos.com
WizarViewAgentAssistant	com.wizarpos.wizarviewagentassistant	1.9.3_r32234	2019-07-31 21:21:05	C=CN,ST=Shanghai,L=Shanghai,O=wizarPOS,OU=RD,CN=wizarHandQ1-platform,E=support@wizarpos.com
会员	com.wizarpos.member	1.1.1.181123	2019-07-08 15:46:38	C=CN,ST=Shanghai,L=Shanghai,O=wizarpos,OU=Testing,CN=releasetestv1,E=support@wizarpos.com
POS 设置	com.wizarpos.system.settings	1.9.54	2019-06-26 03:01:13	C=CN,ST=Shanghai,L=Shanghai,O=wizarPOS,OU=RD,CN=wizarHandQ1-platform,E=support@wizarpos.com
SocketDemoForce3G	com.wizarpos.socketdemoforce3a	1.0	2019-05-15 14:20:44	C=US,O=Android,CN=Android Debug

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Click “Event In Detail”, then it will display the corresponding events information, as below:

**Terminal WP17451Q20003186**

Event  Search

**System Event List**

Event	Time	Description	Value
dev.wifi.ssid	2019-10-16 09:55:16	"operation"	0
dev.network.type	2019-10-16 09:55:16	0	0
dev.agent.register	2019-10-16 09:55:18	success	0
dev.network.connected	2019-10-16 09:55:16	WIFI	0
dev.apk.remove	2019-10-16 09:55:13	com.wizarpos.initializer	0

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Click “Group Change” page, then it will display the corresponding terminal changing history information, as below:

**Terminal WP17451Q20003186** ✕

Old Group  New Group

Group Change List				
id ↕	Old Group	New Group	Change Time	Operator
260008	test11	NEW	2019-08-14 15:54:49	admin
259964	newqq	test11	2019-07-25 14:50:02	admin
259963	test11	newqq	2019-07-25 14:38:56	admin
259959	Group	test11	2019-07-24 16:52:45	admin
259958	test11	Group	2019-07-24 16:41:44	admin

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#### 6.9.4. Electronic Fence

Click the add button on the Electronic Fence Page to create a New Rule.

**Electronic Fence** ✕

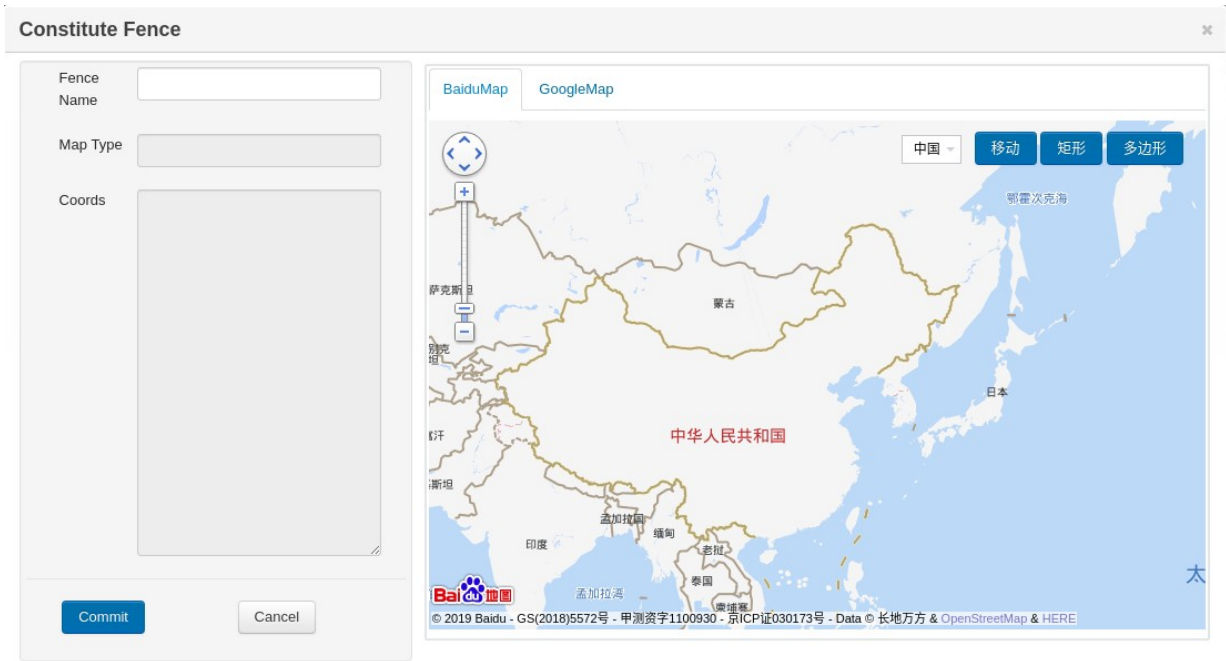
Name   \*

Group   \*

SN Regex

Description

Then click Name Input to draw map.



You can also choose google map to operate. Input the Name and draw fence range, click commit to save.

## 6.10. System Management

### 6.10.1. User

Select the "User" sub menu in the "Settings" menu, the system enters into the "User" page. This page display the records of the users in the system.

User

User name  Group

Role  Locked

User								
	User	Group	Role	Email	Description	Status lock	Last Login	Operator
	zhou.li	Q1RE001	Supervisor			●	2017-11-17 15:19:24	admin
	Super User	Q1RE001	Supervisor			●	2017-11-16 13:39:51	admin
	admin	Root	admin		true	●	2017-11-20 09:47:01	

+ ? ✎ 🗑 ✍
1 of 1 15 1 - 3 of 3

#### 6.10.1.1. Create User

Select "Add" button from the bottom left of the User, and the system pops up the following page:

**Notice:**

- One user can have multiple roles
- User's country information should be input correctly. If the country value is China, the wizardView system will send user Chinese register email, otherwise send user English register email.

**6.10.1.2. View User**

Select "View" button from the bottom left of the User, and the system pops up the following page:

View page is only to be read.

**6.10.1.3. Edit User**

Select "Update" button from the bottom left of the User, and the system pops up the following page:

The screenshot shows a 'User' form with the following fields and values:

- Group: Q1RE001
- Role: Supervisor
- Email: zhou.li@wizarpos.com
- Country: China
- State: Anhui
- Last name: (empty)
- First name: (empty)
- Address1: (empty)
- Address2: (empty)
- Zip code: (empty)
- Phone: (empty)
- Fax: (empty)
- Expiry date: (empty)
- Description: (empty)

Buttons: Commit, Cancel

#### 6.10.1.4. Delete User

Select "Delete" button from the bottom left of the User. The user will be deleted.

#### 6.10.1.5. User Token

Select "User Token" button from the bottom left of the User, and the system pops up the following page:

The screenshot shows a 'User Token' form with the following fields and values:

- UID: 5
- TOKEN: (empty)
- IP RegEx: (empty)
- Package Name: (empty)

Buttons: Change token, Commit

#### Notice:

If the user want to access the WizarView system by the third party interface, the wizarView administrator must provide the UID and TOKEN for user.

#### 6.10.2. Role

Select the "Role" sub menu in the "Settings" menu, the system enters into the "Role List" page. This page display the records of the users in the system.

Role

Role

Role List				
Name	Group	Description	Is administratc	Operator
Supervisor	Q1RE001	Supervisor	<input type="radio"/>	admin
wizarPOS	Root		<input type="radio"/>	admin
admin	Root		<input checked="" type="radio"/>	

+ 🔍 🗑️ 🔍 1 of 1 15 ▾ 1 - 3 of 3

### 6.10.2.1. Create Role

Select "Add" button from the bottom left of the Role, and the system pops up the following page:

**Role**

Group  🔍 \*

Name  \*

Description

### 6.10.2.2. View Role

Select "View" button from the bottom left of the Role, and the system pops up the following page:

**Role**

Group

Name  \*

Description

View page is only to be read.

### 6.10.2.3. Edit Role

Select "Update" button from the bottom left of the Role, and the system pops up the following page:

The screenshot shows a dialog box titled "Role". It has three input fields: "Group" with the value "Root", "Name" with the value "wizarPOS" (marked with a red asterisk), and "Description" which is empty. At the bottom, there are two buttons: "Commit" (highlighted in blue) and "Cancel".

### 6.10.2.4. Delete Role

Select "Delete" button from the bottom left of the Role. The role will be deleted.

### 6.10.2.5. Permission

Select "Permission" button from the bottom left of the Role, and the system pops up the following page:

The screenshot shows a dialog box titled "Role Permission". It has five tabs: "Applications", "Terminals", "Templates", "Monitor", and "Settings". The "Applications" tab is selected. Below the tabs, there is a table of permissions. The table has columns for "CheckAll", "Query Add", "Update Delete View", and "OtherPermissions". The "OtherPermissions" column has a sub-table with checkboxes for "App Config", "Config-Upload", "Config-Delete", "Config-Edit", and "Terminal & Owner Config". The "Applications" column has checkboxes for "Application", "AppVersion", and "AppProvider". At the bottom, there are two buttons: "Commit" (highlighted in blue) and "Cancel".

#### Notice:

One role can have multiple permissions

One user can have multiple roles.

### 6.10.3. Audit Log

Select the "Audit Log" sub menu in the "Settings" menu, the system enters into the "Audit Log" page. This page enables a detailed records of the users' operation in the system.



AuditLog

User  Log Of History

Time  ~

User	Action	Time	IP	Target	Description
chenjinyang	terminal bind application	2017-10-16 13:43:53	180.173.161.135	WP17361Q20000004	APP: 收钱宝2.0; VERSION: V321502
chenjinyang	terminal bind application	2017-10-16 13:43:53	180.173.161.135	WP17361Q20000004	APP: testj ; VERSION: 1.51
chenjinyang	terminal bind application	2017-10-16 13:43:47	180.173.161.135	WP17361Q20000004	APP: cjttest0227 ; VERSION: 3.0.4
chenjinyang	terminal unbind application	2017-10-16 13:43:35	180.173.161.135	WP17361Q20000004	Delete Down All Application
chenjinyang	terminal bind application	2017-10-16 13:43:21	180.173.161.135	WP17361Q20000004	APP: test_170904 ; VERSION: 1.23
lizhou	user login	2017-10-16 13:30:43	180.173.161.135	lizhou	
chenjinyang	terminal unbind application	2017-10-16 13:08:46	180.173.161.135	WP17361Q20010004	Delete Down All Application
chenjinyang	user login	2017-10-16 13:08:26	180.173.161.135	chenjinyang	
lizhou	user login	2017-10-16 13:02:18	180.173.161.135	lizhou	
zhangwenjiang	user login	2017-10-16 12:33:46	180.168.95.118	zhangwenjiang	
fengbin	user login	2017-10-16 12:30:14	180.173.161.135	fengbin	
fengbin	user login	2017-10-16 12:29:51	180.173.161.135	fengbin	
luobin	user login	2017-10-16 11:58:20	180.173.161.135	luobin	
lipeng	user login	2017-10-16 11:28:08	180.168.95.118	lipeng	
lipeng	user login	2017-10-16 11:28:08	180.168.95.118	lipeng	

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The Audit log information is only allowed to view, and “Delete “ is not allowed.

## 6.11. Soft SIM Management

### 6.11.1. Device Management

Select the “Device” sub menu in the “Soft SIM” menu to “Device List” page. This page displays the devices with the soft SIM function. It contains functions that view, pause and resume of the current order, view and edit of merchant information, and binding connection between soft sim device and terminal.

Device

SN  IMEI  Group

Life Cycle

IMEI	SN	Group	Merchant Na	Life Cycle	Current Package	Order Status	Used Flow (KB)	Flow Used Rate
990008670508907				Expired				
990008670511471				Expired				
990008670511000				Expired				
862634041000160				Expired				
869859022039159				Expired				
862634041000194				Expired				
990008670498414	WP18401Q10000019	testcase		Expired				
862634040000062	WP17451Q20003164	aileen-download		Expired	中国+美国20M后付费月流量套餐	Not Used	0	0.00%
862634041199186				Activated	C M R O P 中国瑞士+欧盟28国100M不限速月套餐	Started	199.68	0.20%

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### 6.11.1.1. Order Detail

Select "Order Detail" button from the bottom left of the List Page, and It pops up the following page:

Order Code	L201909060000390590	Order Status	Started
IMEI	862634041199186	Current Package	C_M_R_0_P_中国瑞士+欧盟28国10 ?
Order Period	1	Package Flow (KB)	102400
Used Flow (KB)	199.68	Flow Used Rate	0.20%
Order Time	2019-09-06 15:59:15	Active Date	2019-09-07 00:00:00
Expire Date	2019-09-30 00:00:00		

#### Notice:

- Some orders in use can perform suspend and resume operations.
- Click on the red question mark to see the precautions for the current package.

**Monthly package**

Package Flow (MB): 100 MB  
Order Period: 1  
Package days: 30  
Billing rules: monthly billing. When the traffic is consumed in the current month, it enters the shutdown state until the next cycle returns to the normal state. If you need to return to the normal state in the current cycle, you can order a fuel pack for traffic refill. Actual recharge flow = package flow + order flow - arrears flow.

### 6.11.1.2. View and Edit Merchant information

Click "Merchant Detail" (or "Edit Merchant Detail") button from the bottom left of the List Page, and it pops up the following page:

IMEI	862634040000062	SN	WP17451Q20003164
Merchant Name	<input type="text"/>	Merchant Address	<input type="text"/>
Merchant Phone	<input type="text"/>	Merchant Email	<input type="text"/>

### 6.11.1.3. Bind Terminal

Click "Bind Terminal" button from the bottom left of the List Page, and it pops up the following page:

#### Bind Terminal

SN	<input type="text" value="WP17451Q20003164"/>
IMEI	<input type="text" value="862634040000062"/>
Group	<input type="text"/>

### 6.11.2. Flow Detail

Select the "Flow Detail" sub menu in the "Soft SIM" menu to "Flow List" page. This page displays daily flow usage per device. Synchronize every 12 hours.

#### Flow Detail

SN  IMEI

Date  To

IMEI	SN	Date	Used Flow (KB)
862634041199186		2019-09-07	199.68
862634041000160		2019-09-07	77.82
862634040000062	WP17451Q20003164	2019-09-06	10.24
862634040000187		2019-09-06	66.01
990008670511471		2019-09-05	19.46
869859021031306		2019-09-05	109.57
862634040000187		2019-09-05	132.14
990008670500656		2019-09-04	23437.31
869859021031306		2019-09-04	115.71
862634040000187		2019-09-04	51.24

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### 6.11.3. Flow Count

Select the "Flow Count" sub menu in the "Soft SIM" menu to "Flow Count List" page. This page displays monthly flow usage per device. Synchronize every 12 hours.

**Flow Count**

SN  IMEI  Date  [Click here to set date](#)

**Search**

IMEI	SN	Date	Used Flow (KB)
862634041199186		201909	199.68
862634041000160		201909	77.82
862634040000062	WP17451Q20003164	201909	10.24
990008670511471		201909	19.46
990008670500656		201909	31360.00
869859022025653		201909	27.98
869859021031306		201909	225.28
864430010000721		201909	69.63
862634040000187		201909	273.37
352121100101532		201909	343.80
352121100100393		201909	118.78

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### 6.11.4. Warning Rule

Select the “Warning Rule” sub menu in the “Soft SIM” menu to the page. This page displays the warning rules list. The user can alert based on the remaining flow, the remaining days of the package, and the remaining percentage of the flow. The object can be terminal or group.

**Warning Rule**

Name  SN  IMEI

Group  Rule Type  Bind Type

Enable

**Search**

Name	IMEI	SN	Group	Enable	Rule Type	Bind Type	Operator	Update Time
test group2			test11		Percentage Rule	Group	admin	2019-09-07 09:01:10
test1	990008670498414	WP18401Q10000019			Flow Rule	Device	admin	2019-09-07 09:01:16

1 - 2 of 2

#### 6.11.4.1. Add Rule

Select the Add button in the bottom left of the page, it pops up as follows

**Warning Rule**

Name:  \*

Enable:

Bind Type:  \*

Device:  \*

Rule Type:  \*

Remaining days:  \*

Email:  \*

Customer:  \*

Multiple emails can be filled out, separated by ';'. \*

This page can input the name of the rule, bind to the device or the group, type of alert rule, email to alert and contact name. It can also control whether this alert rule is enabled.

#### 6.11.4.2. View Rule

Select the View button in the bottom left of the page, it pops up as follows

**Warning Ruletest1**

Name:  \*

Enable:

Bind Type:  \*

Device:  \*

Rule Type:  \*

Remaining flow (KB):  \*

Email:  \*

Customer:  \*

Multiple emails can be filled out, separated by ';'. \*

#### 6.11.4.3. Edit and Delete Rule

Besides the Add and View buttons in the bottom left of the page, there are editing and deleting functions.

#### 6.11.5. Active Device Count

Select the "Active Device Count" sub menu in the "Soft SIM" menu to the page. This page displays whether the Devices are active (using flow) in some period of time.

Active Device Count

State  Statistical range

Search

Active Device Count		
IMEI	SN	State
869859022034481	WPT14181000001629	●
864430010000721		●
862634041000160		●
990008670502918		●
862634040000062	WP17451Q20003164	●
352121100100393		●
869859022025653		●
352121100101532		●
990008670500656		●
990008670511471		●
869859021031306		●

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You can choose one month, three months, six months and one year as the time range.

# 7. Use Scenarios

This section describes the general operation scenarios that a Administrator and User usually do in wizarView system.

## 7.1. Create New User and the User's Operation.

1. The administrator creates a terminal group for the client
2. The administrator then creates a new wizarView user account for the client, and gives the new user account corresponding operation authorities. When creating a user account, you need to specify the user's E-mailbox. The user name and initial password for logging in wizarView, are automatically sent to the user's E-mail box. And the initial password is automatically generated by the system.
3. The administrator imports all the terminals that belong to terminal group where the User is located. The system automatically creates the import rule for each terminal.
4. The user logs in to the wizarView system.
5. The User registers application provider.
6. The user creates the application and uploads the application version.
7. When connected with Internet, a new terminal will automatically register to wizarView. During the registration process, the system automatically detects the terminal import rules and binds the terminal to the terminal group to which the user belongs. If there is no rule, the terminal will automatically fall into the NEW group. NEW group is the system default terminal group, and is not visible to ordinary users .
8. The user configures the application for the terminal or terminal group
9. After the configuration is changed, then a message is pushed to the terminal, and the terminal is notified to update.
10. Then the terminal requests the Application List from the server and downloads the application.

## 7.2. Terminal Register

Normally, the POS terminal will automatically register to wizarView system. If the user needs to register on his own server, the registration address needs to be modified. How to modify registration address in POS terminal:

Settings-->About POS-->POS Configuration-->Adminstrator Login-->Enter Password(Default password is 99999999) and click "Confirm"-->Long press "SN" menu will display "Register wizarView" menu-->Click "Register wizarView" menu and modify register address, then click "OK" button finish register process.

## 7.3. Application Updates

When a new application version is released, the user can publish the new version to the wizarView through the Application Management module.

1. Select the menu: Application Management -> Application
2. Find and select the appropriate application, and then select "Version Configuration" button and enter the application version management interface.
3. Edit the version, upload the new application version, and save it.
4. If you want the change to take effect immediately, you can find the corresponding terminal or terminal group on the Terminal Management or Terminal Group Management page, and click the "Push Apps" button. The onlined terminal can be notified to update the operation.

## **7.4. Change Terminal Group**

When the terminal needs to be managed, the User can sort the terminal through the Terminal Management module.

1. User selects the Terminal Group Management menu, and creates the target terminal group
2. Select the Terminal Management menu, find the terminal, and click "Change Owner" button, and select the target terminal group to change group.



## 8. Configuration file rules

The example of xml configuration file:

```
<?xml version="1.0" encoding="UTF-8"?>
<dynamicfields convertorclass="com.wizarpos.terminal.param.ParameterProcess">
  <field key="mid" label="Merchant ID" type="string" charset="UTF-8" comment="Merchant ID"
  default="123456789012345">
    <check maxlen="15" minlen="15" allowempty="true" ruletype="S" rule="ANS"/>
  </field>
  <field key="autoLogoff" label="Auto Logoff" type="string" charset="UTF-8" comment="Auto
  Logoff" default="1">
    <select>
      <option value="1">Yes</option>
      <option value="0">No</option>
    </select>
  </field>
  ...
</dynamicfields>
```

The instructions:

- The root node “dynamicfields” is fixed.
- The “dynamicfields” node has one or more “field” sub node.
- The “field” node has a “check” node or a “select” node.
- The “select” node has one or more “option” sub node. It’s an enumeration type. Each “option” value corrsesops to an enumeration value.
- If the “field” node has “select” sub node, its shown as html select element. Or, its shown as html input element.
- The “check” node defines the checking rule of the “field”. But it’s useless in wizarView system now.
- This xml file will be parsed and render to a page of configure parameter.

The “field” node attributes:

Attribute s	Description	Mode	Example Value
key	The parameter key, will be sent to terminal The identity of the dynamic field. If this key is found in the key-value table which is converted from parameter file, the value will be displayed in the window and let the user to update. Otherwise, the default value will be displayed. The key is a string data. User can also use some customize rules to define the key for their converting method.	Mandatory and Unique	merchantName
label	Shown on page as input label	Mandatory	Merchant Name
type	The parameter type. The optional values: string	Optional	string
charset	The parameter data type. The optional values: UTF-8	Optional	UTF-8
comment	The parameter description.	Optional	Merchant Name

default	The default value of parameter.	Optional	Xxx Mall
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The "check" node attributes:

Attribute s	Description	Mode	Example Value
maxlen	The maximum length of parameter value	Optional	15
minlen	The minimum length of parameter value	Optional	15
allowempty	Allow parameter value empty	Optional	false
ruletype	The type of the rule of the checking condition. S means SIMPLE rule, while P means the rule is Java regular express pattern. This attribute is only valid when the type of the field is "string".	Optional	S
rule	The checking condition of the value data. This attribute is only valid when the type of field is "string". Whatever the condition rules, the value data will always be converted to byte array according to the encoding setting. If the rule type is S, the rule may be N, A, S, AN, ANS. (The value data) N means only numeric character is allowed in value data. A means only normal alpha character is allowed except the characters in S. S means only special characters "[*?\"<>  ]". AN means only alphanumeric character is allowed in value data. ANS means all characters are allowed. If the rule type is P, the rule should be the Java regular expression pattern.	Optional	ANS

The "option" node attributes:

Attribute s	Description	Mode	Example Value
value	The parameter value	Mandatory	1

Version Record:

<b>Version</b>	<b>Author</b>	<b>Date</b>	<b>Description</b>
0.1	Hugh	2013/02/18	Initial version of the user manual
1.9	Lizhou	2016/04/08	Introduction and descriptions of the new optimization functions
2.0	Bran	2016/04/27	Version 1.9: Operating rules and updates
2.1	Lizhou	2017/10/12	User scenarios modification
2.1	Lizhou	2017/10/20	Correcting writing errors. "System management" menu --> "Settings" menu
2.1	Lizhou	2017/10/28	Add the parameter configuration file description
2.1	Lizhou	2017/11/02	Supplement the rule and rule type of parameter configuration file description.
2.1	Lizhou	2017/11/20	Add User and Role party description
2.2	Lizhou	2018/01/03	Add wizardView 2.2 feature.
2.7	Xuqi	2019/07/25	Add wizardView 2.3-2.7 feature