



# WizarView User Manual

V2.8

## Version Record

Version	Author	Date	Description
0.1	Hugh	2013/02/18	Chinese 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 wizarView 2.2 feature.
2.8	Xuqi	2019/07/25	Add wizarView2.3-2.8 feature

1. Introduction..... - 2 -

2. Document Rules.....	- 3 -
3. Product Description.....	- 4 -
4. System Requirements.....	- 5 -
5. System Outline.....	- 5 -
6. wizarView Management.....	- 6 -
6.1. The Management Tree and Brief Introduction.....	- 6 -
6.2. Login.....	- 7 -
6.3. wizarView Main GUI.....	- 8 -
6.4. <i>Change Password</i> .....	- 9 -
6.5. Terminal Group Tree Description.....	- 9 -
6.6. Application Management.....	- 10 -
6.6.1. Application Management.....	- 10 -
6.6.2. Application Provider Management.....	- 16 -
6.6.3. Application Version.....	- 17 -
6.7. Terminal Management.....	- 18 -
6.7.1. Terminal Model Management.....	- 18 -
6.7.2. Terminal Management.....	- 18 -
6.7.3. Terminal Group Management.....	- 24 -
6.8. Template Management.....	- 26 -
6.8.1. Parameter Config File Management.....	- 26 -
6.8.2. Parameter Template Management.....	- 29 -
6.9. Remote monitoring and Management.....	- 33 -
6.9.1. Terminal Download Monitoring.....	- 33 -
6.9.2. Download History.....	- 34 -
6.9.3. Terminal Monitoring.....	- 34 -
7. Use Scenarios.....	- 38 -
7.1. Terminal Register.....	- 38 -
7.2. Application Updates.....	- 38 -
7.3. Change Terminal Group.....	- 39 -
8. Configuration file rules.....	- 39 -

# 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-Z 0-9 - . _
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 Requirements

To insure the operation and display effect, we recommend that you use the following browsers:

### **Software Requirements**

<b>Web Browser</b>	Firefox 38+ / Chrome40+ / Safari 6+
--------------------	-------------------------------------

## 5. System Outline

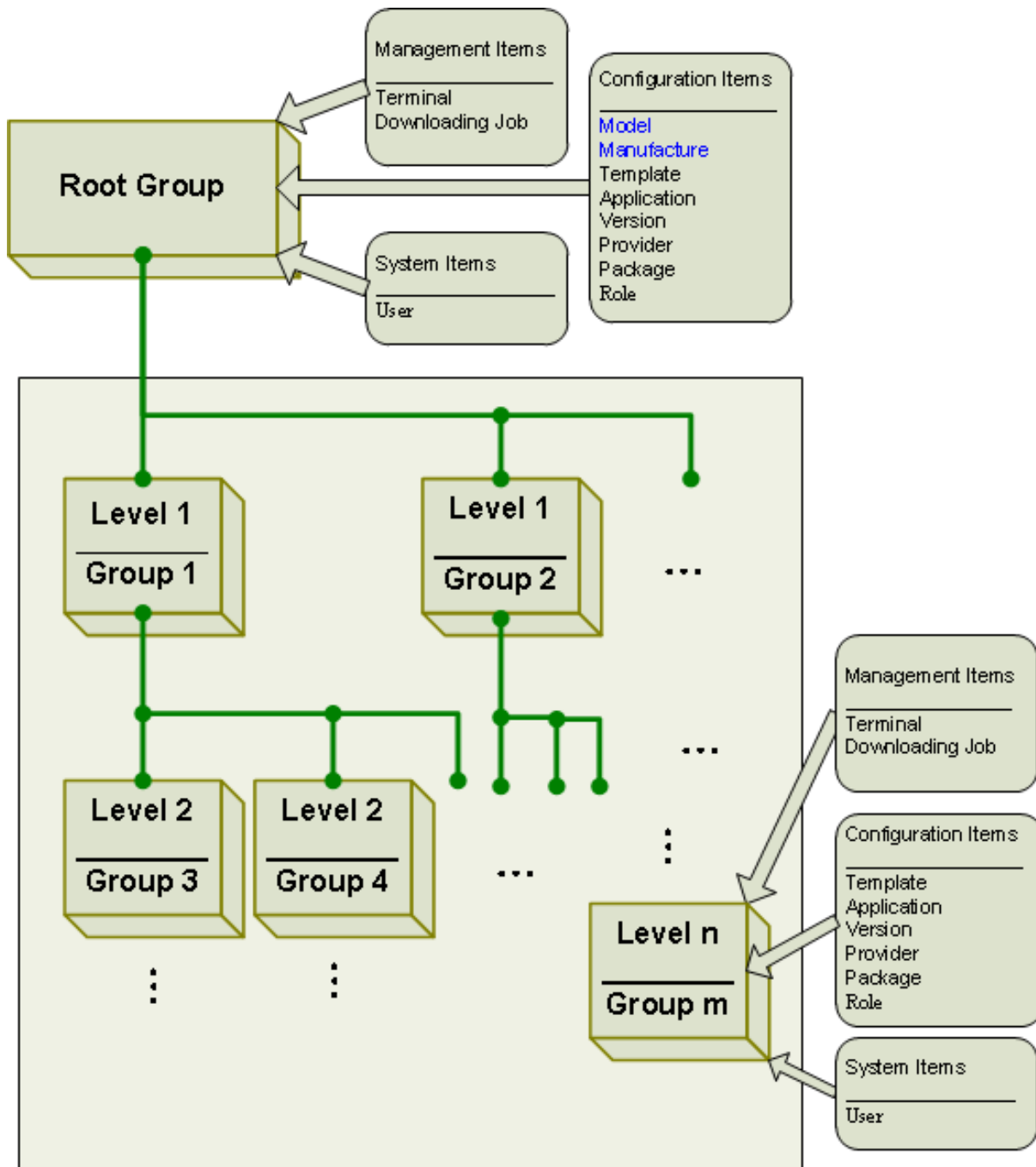
wizarView is an advanced POS terminal management system specifically designed for corporate clients.

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.

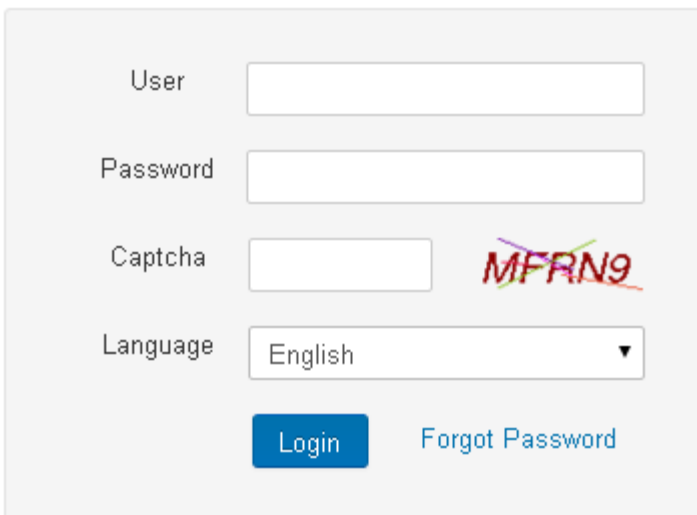
**Management Items:** including terminals.

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.



The screenshot shows a login form with the following elements:

- User:** A text input field.
- Password:** A text input field.
- Captcha:** A text input field containing the code "MFRN9".
- Language:** A dropdown menu currently set to "English".
- Login:** A blue button.
- Forgot Password:** A blue text link.

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”.

The image shows a 'Forgot Password' dialog box. It has a title bar with the text 'Forgot Password' and a close button (X). The main area contains two input fields: 'User' and 'Email'. Below the input fields are two buttons: 'Commit' (blue) and 'Cancel' (grey). The dialog box has a scroll bar on the right side.

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**

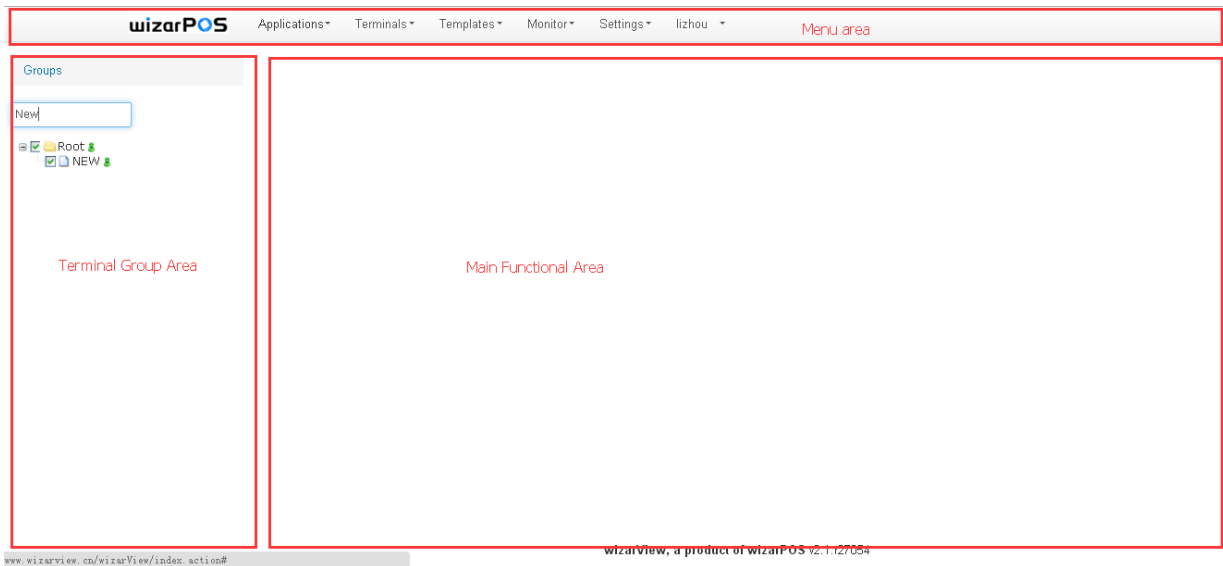
The main page of wizarView system is divided into three areas:

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.

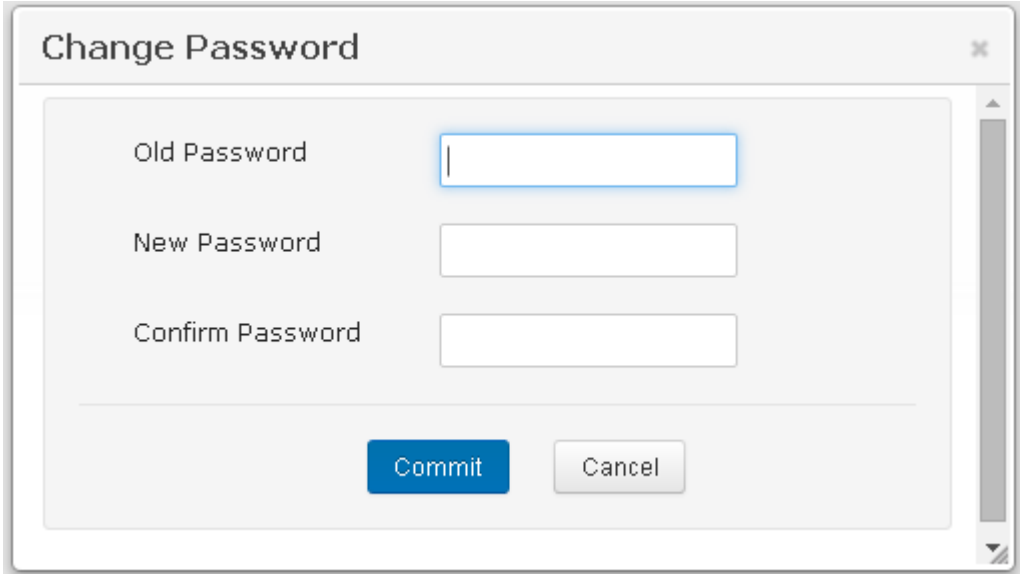




If you have enough authority, you will see the following first-level menus: application management, terminal management, parameter management, remote monitoring and management, and system administration. Through these menu entries, you can easily manage your terminals.

### 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:

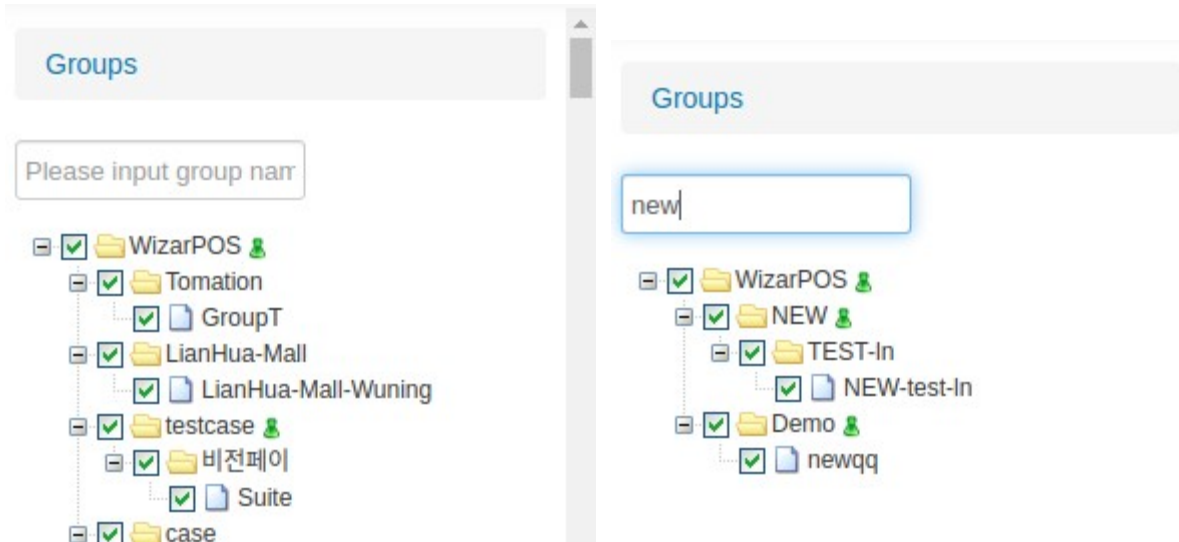


Enter the "Old Password", "New Password" and "Confirm Password" can then change password. The new password comes into effect at the next login.

### 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

Name	Group	Provider	Type	Target SN	System App	Enabled	Subgroup Vis	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
wizarpos5	WizarPOS	xuqitest	apk		No	Yes		2019-08-05 15:56:40	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
Anywhere2	NEW	xuqitest	apk		No	Yes		2019-07-24 16:07:55	admin
Anywhere1	NEW	xuqitest	apk		No	Yes		2019-07-24 16:07:42	admin
UC	NEW	xuqitest	apk		No	Yes		2019-05-31 09:45:44	admin
HY-test	NEW	xuqitest	apk		No	Yes		2019-03-20 11:19:56	admin
ee	WizarPOS	xuqitest	apk		No	Yes		2019-01-29 10:32:05	admin
111112	NEW	xuqitest	apk		No	Yes		2018-10-24 13:33:01	admin
dr	WizarPOS	xuqitest	apk		No	Yes		2018-10-19 16:34:36	admin
123	NEW	xuqitest	apk		No	Yes		2018-09-19 16:17:53	admin
drivertestDI	WizarPOS	xuqitest	apk		No	Yes		2019-09-24 09:19:19	admin

1 - 15 of 419

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 'Application' dialog box contains the following fields and controls:

- Group: Text input with a search icon and a red asterisk.
- Name: Text input with a red asterisk.
- Provider: Dropdown menu.
- Type: Dropdown menu with 'apk' selected.
- Target SN: Text input with a search icon.
- Subgroup Visible: Check box.
- Source Application: Text input with a search icon.
- Buttons: 'Commit' and 'Cancel'.

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

The 'Select Terminal Group' dialog box contains the following elements:

- Group: Text input with 'NEW' entered and a 'Search' button.
- Table:

Group	Superiors
NEW	Root

- Buttons: 'Select' and 'Cancel'.

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:

The screenshot shows a dialog box titled "Application". It contains the following fields and controls:

- Group:** A dropdown menu with "NEW" selected and a search icon.
- Name:** An empty text input field.
- Provider:** A dropdown menu with "Root - QA" selected.
- Type:** A dropdown menu with "apk" selected.
- Target SN:** An empty text input field with a search icon.
- Subgroup Visible:** An unchecked checkbox.
- Source Application:** An empty text input field with a search icon.

At the bottom of the dialog, there are two buttons: "Commit" (highlighted in blue) and "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: NEW \*

Name: 111112 \*

Provider: xuqitest

Type: apk

Subgroup Visible:

**Advanced** ^

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** [X]

Group: NEW 🔍 \*

Name: 111112 \*

Provider: xuqitest

Type: apk

Subgroup Visible:

**Advanced** ^

Commit Cancel

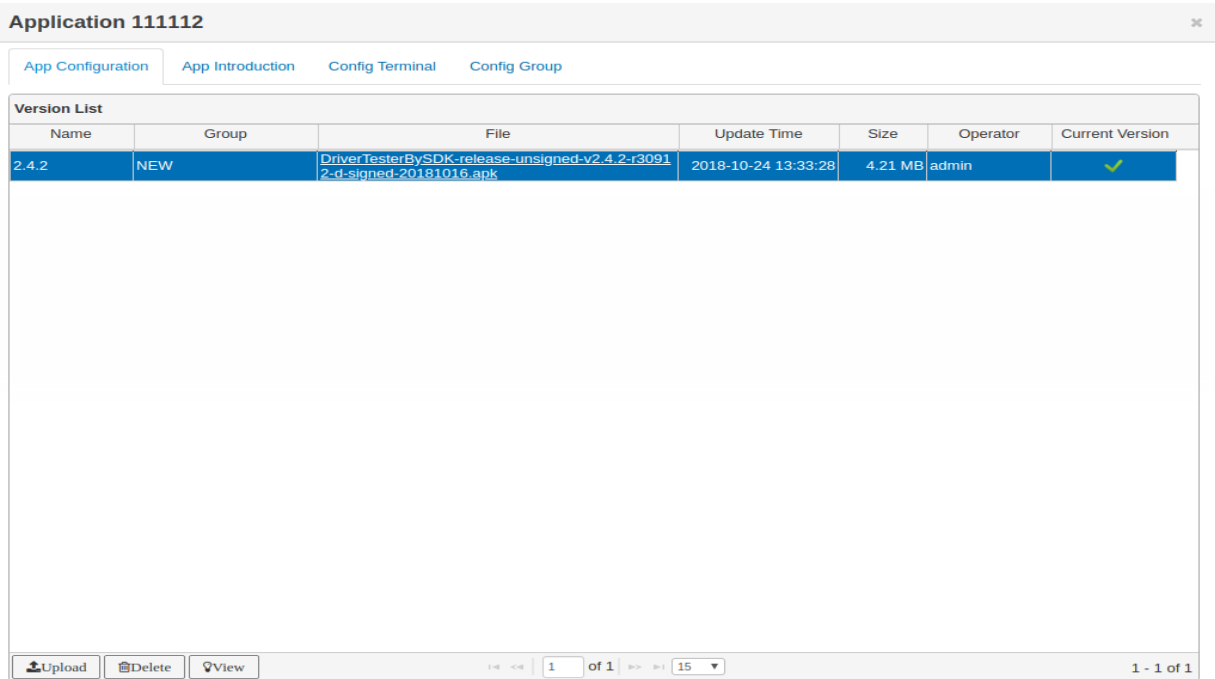
### 6.6.1.4. Delete Application

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

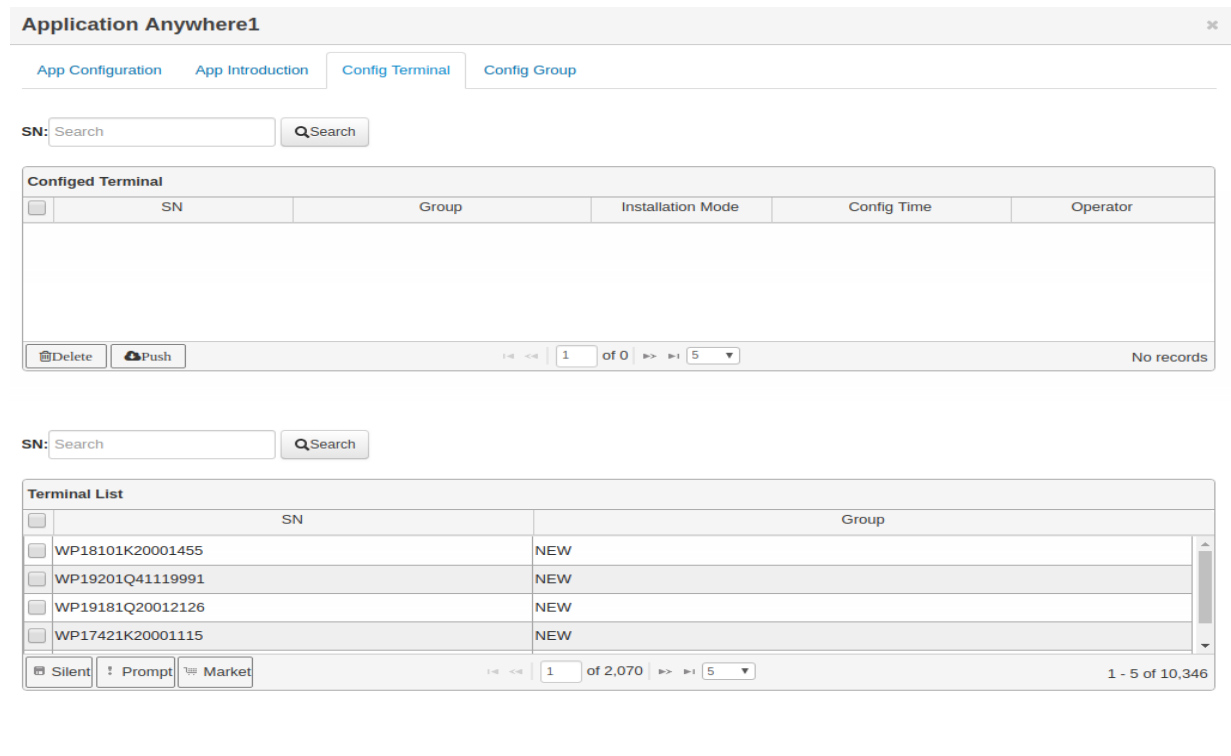
**Notice:** To delete an application, firstly you must remove all of its versions and remove the binding of terminals and the terminal group, otherwise the application can not be deleted.

### 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.



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:



"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.

The screenshot displays the 'Application Anywhere1' web interface. At the top, there are navigation tabs: 'App Configuration', 'App Introduction', 'Config Terminal', and 'Config Group'. Below the tabs is a search bar with the label 'Name' and a 'Search' button. The main content area is divided into two sections:

**Configed Group**

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

At the bottom of this section are buttons for 'Delete' and 'Push', and a pagination control showing '1 of 0' records.

**Group List**

<input type="checkbox"/>	Name	Superiors
<input type="checkbox"/>	NEW	WizarPOS

At the bottom of this section are buttons for 'Silent', 'Prompt', and 'Market', and a pagination control showing '1 of 1' records.

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.

Application 111112 ✕

App Configuration   App Introduction   Config Terminal   Config Group

Screenshot Upload  Choose

App Introduction

CommitCancel

### 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:



App Provider

Provider  Phone  Email

Country  State

Name	Group	Phone	Email	Country	State	Create Time	Operator
xuqitest	WizarPOS		809581350@qq.com	China	Anhui	2018-08-07	admin
aaa000	WizarPOS	1234567891	1476467667@qq.com	China	Beijing	2017-05-18	admin
QA_cjy	WizarPOS		chenjinyang@wizarpos.com	China	Shanghai		
218	WizarPOS		tingyuan.li@wizarpos.com	China	Anhui	2016-02-18	
0201	WizarPOS		tingyuan.li@wizarpos.com	China	Qinghai	2016-02-01	
0120	WizarPOS		tingyuan.li@wizarpos.com	China	Nei Mongol	2016-01-20	
1203	WizarPOS	123456	tingyuan.li@wizarpos.com	China	Badakhshan	2015-12-03	
1130	WizarPOS		tingyuan.li@wizarpos.com	China	Badakhshan	2015-11-30	
0908	WizarPOS		tingyuan.li@wizarpos.com	China	Badakhshan		
616	WizarPOS	123456789652256325	tingyuan.li@wizarpos.com	China	Badakhshan	2015-06-16	
0506	WizarPOS		tingyuan.li@wizarpos.com	China	Badakhshan	2015-05-06	
0504	WizarPOS		tingyuan.li@wizarpos.com	China	Badakhshan	2015-05-04	
hedang	WizarPOS		hedang.ltu@wizarpos.com	China	Anhui	2015-04-30	
0417	WizarPOS	56569589	tingyuan.li@wizarpos.com	China	Badakhshan	2015-04-17	
tx	WizarPOS		43453@rr.com	China	Badakhshan	2015-03-16	

1 - 15 of 44

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.

App Provider

Group  \*

Country

Email  \*

Zip Code

Address1

Description

Name  \*

State

Phone

Fax

Address2

**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:

Group	Pegasus Main	Name	Pegasus Provider *
Country	Nigeria	State	Abia
Email	info@venntech.ng *	Phone	
Zip Code		Fax	
Address1		Address2	
Description			

Commit Cancel

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

Group	Application	File	Name	Update Time	Operator
WizarPOS	ee	<a href="#">SN_Update_Tools_201612061512_release_by_pengli.apk</a>	1.0	2019-09-17 14:29:35	admin
WizarPOS	wizarposS	<a href="#">SNModifyApp-release-v1.0.2-r20190806103040-g1_platform.apk</a>	1.0.2	2019-08-09 17:02:35	admin
WizarPOS	dr	<a href="#">DriverTesterBySDK-release-v2.4.2-r30019-g2_platform.apk</a>	2.4.2	2018-10-19 16:35:08	admin
WizarPOS	drivertestDI	<a href="#">DriverTesterBySDK-release-v2.3.15-r29471-d-signed.apk</a>	2.3.15	2018-09-10 11:12:08	admin
WizarPOS	agent_postsetting	<a href="#">WizarviewAgent-v4.1.82-r20180831163905-w1-w1_platform.apk</a>	4.1.82	2018-08-31 16:49:53	admin
WizarPOS	agent 4.2.33	<a href="#">WizarviewAgent-unsigned-v4.2.33-r20180817183450-all-d-signed-20180821.apk</a>	4.2.33	2018-08-22 10:39:23	admin
WizarPOS	hy	<a href="#">PinpadForQ1.apk</a>	1.0	2018-08-06 16:50:20	admin
WizarPOS	0619	<a href="#">jianshu_300.apk</a>	3.0.0	2017-12-01 14:01:58	admin
WizarPOS	11223	<a href="#">cpuzaz.apk</a>	1.23	2017-11-29 17:49:34	admin
WizarPOS	8999	<a href="#">cpuzaz-signed-20171014.apk</a>	1.23	2017-11-29 17:44:10	admin
WizarPOS	8999	<a href="#">AIDA64_147.apk</a>	1.47	2017-11-29 17:46:20	admin
WizarPOS	0603	<a href="#">网速指示计.apk</a>	1.3.3.250	2017-11-29 14:27:27	admin
WizarPOS	0603	<a href="#">wizarviewAgent-release-unsigned-r23637_201608311626_release_by_pengli.apk</a>	2.0.3_r23637_01	2017-11-29 14:18:06	admin
WizarPOS	0519-1.1.1-Auto-1285	<a href="#">GiftPayment@20150316.apk</a>	1.1.1	2015-05-19 17:52:22	
WizarPOS	0519-1.2.6-Auto-1288	<a href="#">POSHomeFix_CUP_PAD_temp_201412081336_release_by_pengli.apk</a>	1.2.6	2015-05-19 17:55:03	

1 - 15 of 405

## 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

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	gyfr	2017-11-06 00:55:37	admin
Q1	WP[0-9]{4}[1234]{Q1}[0-9]{7}	2	1142	2017-05-12 00:00:00	admin
M0	WP[0-9]{4}[12]{M0}[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
P1	WP[0-9]{4}[12]{P}[0-9]{8}	2	gyfr	2015-01-13 00:00:00	admin
W1	WP[0-9]{4}[12]{W}[0-9]{8}	2	1142		undefined
W1v2	WP[0-9]{4}[12]{W}[0-9]{8}	2	QA-wizarpos	2013-12-02 00:00:00	admin
posModel	[a-zA-Z0-9]{1,}	1	QA-wizarpos	2013-07-29 00:00:00	admin

1 - 11 of 11

### 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.

The screenshot shows the 'Terminal' management page. At the top, there are search filters for SN, Name, Model Name (set to 'All'), IMEI1, and IMEI2. Below these are buttons for 'Search', 'Export', 'Push Apps', and 'Change Group'. The main area is a 'Terminal List' table with the following data:

SN	Name	Group	Model Name	IMEI1	IMEI2	Has Cert	Register Time	Operator
WIZARPOS20190703	WIZARPOS20190703	TestGroupSuite	posModel			●	2019-09-17 09:26:20	

At the bottom of the table, there are navigation icons and a page indicator showing '1 of 1'.

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.

Note:

Push Apps, when the applications are bond on the terminal, click this button, it will notify terminal to download these applications.

Change Group, when click this button, it will pop up a dialog as follow,

The 'Select Group' dialog box has a title bar with a close button. It contains a search input field labeled 'Group' with a magnifying glass icon and a red asterisk. Below the input field are two buttons: 'Commit' (in blue) and 'Cancel' (in grey).

Select new group to change.

### 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.

The screenshot shows a window titled "Terminal WP17411Q00001163". The form contains the following fields and values:

Terminal SN	WP17411Q00001163 *	Name	WP17411Q00001163 *
Group	NEW *	Model name	Q1 *
Inherit Default App	<input checked="" type="checkbox"/>	Description	
XMPP Pwd	gaTuXBpZs37TN8lk		

Buttons: Commit, Cancel

### 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 WP19320M20000084**

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	minye.li
VoiceApp	1.1.1045	voice_v1.1.1045_apkpure.com.apk	●	2019-04-24 15:31:52	minye.li

**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	minye.li
<input type="checkbox"/>	IceboxCameraApp	1.0.2	app-release.apk	●	2019-06-25 10:34:32	minye.li

+ 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 "Configed 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 >> 5    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:

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

TerminalApplicationParamSetting

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:

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 :

Name

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

1 - 38 of 38

The screenshot shows a configuration window titled 'abapay'. It contains a grid of input fields for various terminal parameters. The 'Version' field is highlighted with a blue border and contains the value '20171002112406'. At the bottom of the window, there are two buttons: 'Deploy' (in blue) and 'Cancel' (in grey).

Template	[Redacted]	Version	20171002112406
MID	123456789012345	TID	[Redacted]
Merchant Name	Test Merchant	Merchant Address	[Redacted]
Phone	[Redacted]	Trace#	1
Batch#	1	RECEIPT NUMBER	2
TPDU	[Redacted]	SERVER IP	[Redacted]
SERVER PORT	[Redacted]	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		

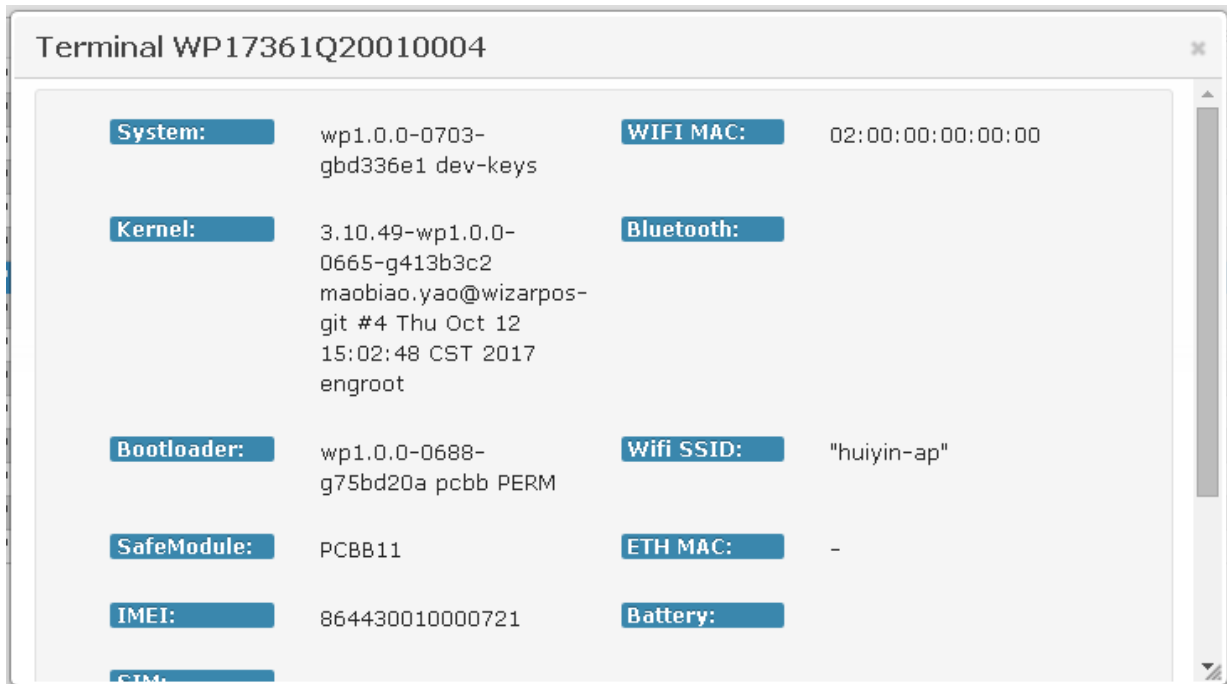
Click the “Deploy” button to finalize all the parameter configuration of the terminal.

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:

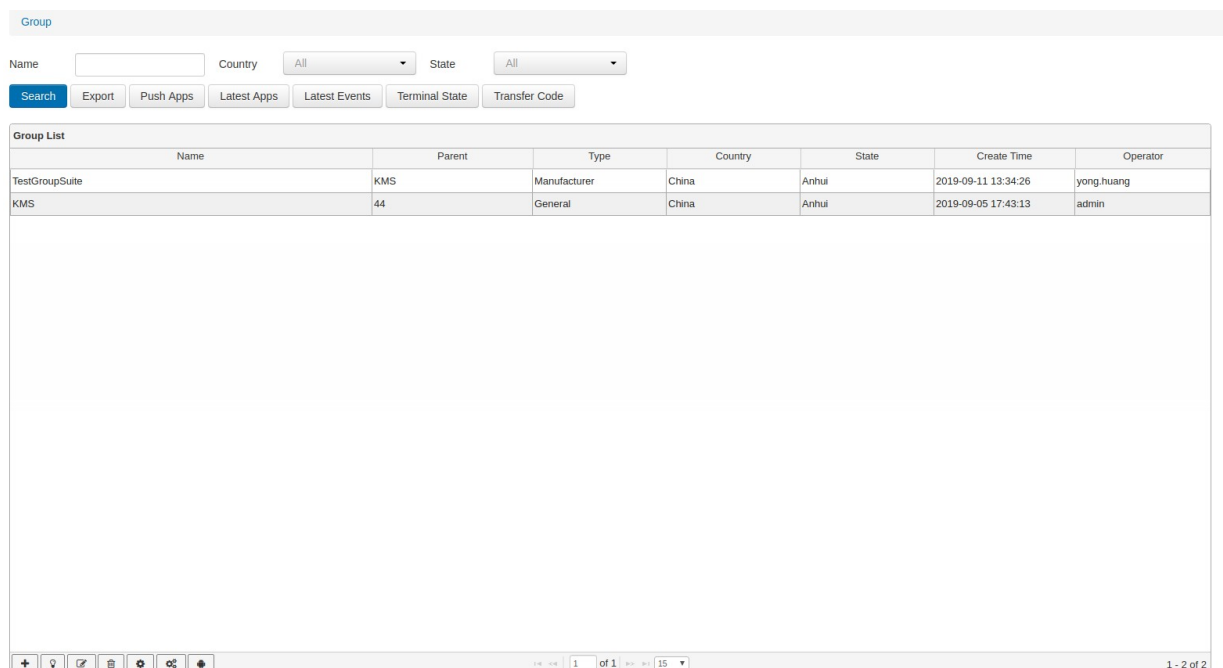




The information above shows the terminal hardware information. They are sent from the terminal to the wizarView system.

### 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.



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.

**Note:**

Push Apps, when the applications are bond on the owner, click this button, it will notify terminals which belong to the owner to download these applications.

Latest Apps, when click the button, it will notify terminals which belong to the owner and its sub-owner to upload latest installed applications list.

Terminal State, when click this button, it will pop up a dialog as follow

**Terminal State: TestGroupSuite**

Update State: ALL Start Time: 2019-09-11 13:34:22 End Time: [ ]

Download State: ALL Start Time: [ ] End Time: [ ]

Install State: ALL Start Time: [ ] End Time: [ ]

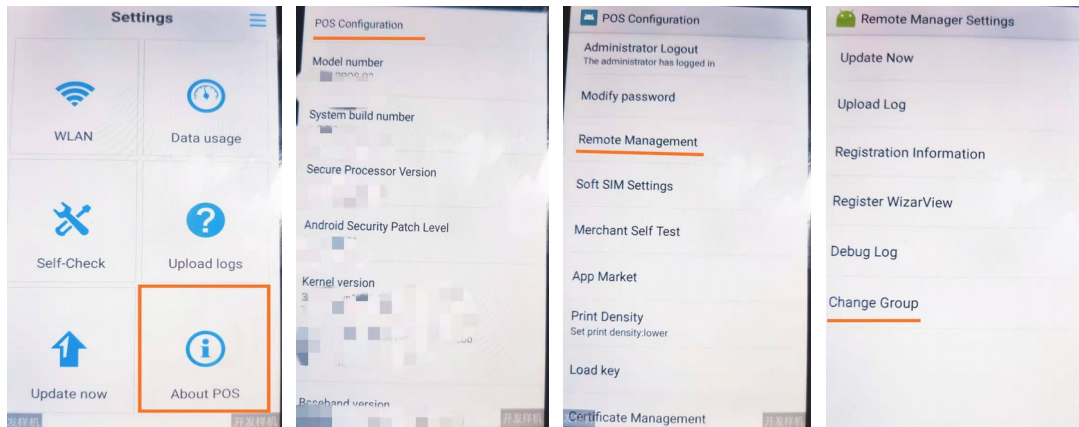
Inherit: YES SN: [ ] Search Summary

SN	Update State	Update Time	Download State	Download Time	Install State	Install Time	Online
WIZARPOS20190703	●	2019-09-17 11:07:41	●	2019-09-17 15:27:07	●		●

Push again Download Detail 1 of 1

It contains terminals which belong to the owner, and their download and install applications state.

Transfer Code, when click the button, it will pop up a Qr code. You can scan this code with terminal to change group to the owner. The scan function in terminal is on setting menu - About POS - POS Configuration - Remote Management - Change Group.



### 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

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 KMS**

Group
Settings

Group <input style="border: 1px solid #ccc;" type="text" value="KMS"/>	Parent <input style="border: 1px solid #ccc;" type="text" value="44"/>
Country <input style="border: 1px solid #ccc;" type="text" value="China"/>	State <input style="border: 1px solid #ccc;" type="text" value="Anhui"/>
Email <input style="border: 1px solid #ccc;" type="text"/>	Phone <input style="border: 1px solid #ccc;" type="text"/>
Zip Code <input style="border: 1px solid #ccc;" type="text"/>	Fax <input style="border: 1px solid #ccc;" type="text"/>
Type <input style="border: 1px solid #ccc;" type="text" value="General"/>	Inherit <input type="checkbox"/>
Address1 <input style="border: 1px solid #ccc;" type="text"/>	Address2 <input style="border: 1px solid #ccc;" type="text"/>
Description <input style="border: 1px solid #ccc;" type="text"/>	

### 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 CustomerA**

Firmware						
Build Id	Kernel Version Code	Bootloader Version Code	Firmware Type	Group	Bind Time	operator
3374	3353	3352	user	CustomerA	2019-01-29 10:07:25	admin
Configed Application - Total: 1						
<input type="checkbox"/>	Application	Version	File Name	Install Mode	Bind Time	operator
<input type="checkbox"/>	Demo			●	2018-12-20 14:51:06	lizhou

+ Add
🗑 Delete
🔇 Silent
! Prompt
🏠 Market

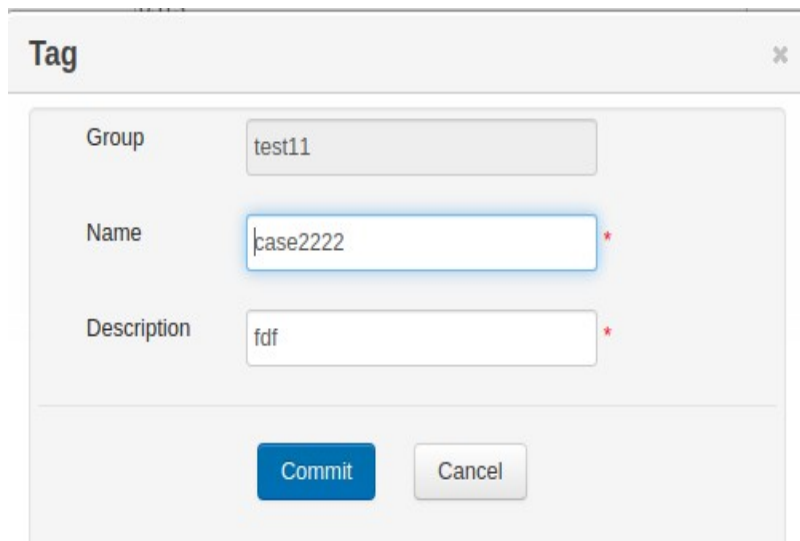
### 6.7.4. Terminal Tag

The terminal tag page, including the “Add”, “Edit”, “View” and “Delete” functions for the terminal tag, and also including the “Configuration” function used to for terminals binded with the tag.

Tag

Name

Name	Group	Description	Create Time	Operator
QQ	test11	this	2019-08-06 10:39:03	admin
20190513	test11	0513	2019-05-13 16:20:53	admin
T	test11	T	2019-03-11 16:47:08	admin
商场	NEW	d	2019-03-11 16:46:39	admin
RR	LianHua-Mall	VV	2019-02-19 16:35:00	admin
case2222	test11	fdf	2019-01-30 11:35:30	admin
case11	hy	文件管理	2019-01-17 13:59:37	admin
Nice1	hy	1	2019-01-12 10:46:28	admin
演示标签	LianHua-Mall	演示标签	2018-12-05 10:29:57	admin
xuqi-test	hy-test	是的是的所多	2018-10-09 16:35:05	admin
stormTest	Storm20170515	cnm	2018-08-13 16:55:44	admin
QA-Q2-testapk	allean-Q2	常用电池with测试	2018-08-08 13:47:40	admin
hy-	hysz	1235	2018-08-07 16:40:24	admin
234	WizarPOS	324	2017-11-29 11:30:30	admin
cjytest0619_1	WizarPOS	111	2017-06-19 13:49:14	admin



Tag

Group test11

Name case2222 \*

Description fdf \*

Commit Cancel

#### 6.7.4.3. Delete

Choose a tag from the tag list, and click “delete” button from the bottom left, the tag is then deleted.

#### 6.7.4.4. Configure Tag

Choose a tag from the list, and click “config” button, it will pop up a dialog as follow

**Tag Config case2222** ✕

SN  Group

**Configured Terminal**

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

1 of 0

SN  Group

**Terminal List**

<input type="checkbox"/>	SN	Name	Group	Model Name
<input type="checkbox"/>	WP47391Q20000042	WP47391Q20000042	NEW	Q2
<input type="checkbox"/>	WP37391Q20000042	WP37391Q20000042	NEW	Q2
<input type="checkbox"/>	WIZARPOS20190703	WIZARPOS20190703	TestGroupSuite	posModel
<input type="checkbox"/>	WP19321Q20034416	WP19321Q20034416	NEW	Q2
<input type="checkbox"/>	WPT8121Q10000064	WPT8121Q10000064	NEW	posModel

1 of 167,029
1 - 5 of 835,144

It contains three tabs, configure terminal , application , and batch configure terminals.  
 A tag can set up relation between terminal and application.

## Tag Config case2222

Config Terminal Config Application Batch Config Terminal

Name  Type All

Configured Application							
<input type="checkbox"/>	Group	Application	Name	File	Installation Mode	Config Time	Operator
<input type="checkbox"/>	test11	111	4.3.05	WizarviewAgent-v4.3.05-r20190213132920-master-all-q2_platform.apk	●	2019-01-30 14:30:37	admin

- Cancel 1 of 1

Name  Type All

Application List						
<input type="checkbox"/>	Group	Application	Name	File	Update Time	
<input type="checkbox"/>	test11	agent-WP18101K20001454	2019091617300	agentmanager.xml	2019-09-16 17:30:01	
<input type="checkbox"/>	test11	case1	4.1.8.4	ES文件浏览器, 低.apk	2019-09-03 15:56:03	
<input type="checkbox"/>	test11	case	0307	20190802-Q2-wizarpos-B303667303668K303667303668S303668W50M20190730-user-max.zip	2019-08-12 10:54:01	
<input type="checkbox"/>	test11	TestFirmware	1.1	20190605-K2-wizarpos-B34413439K35713572S3605W50M20190121-mid-eng.zip	2019-08-09 10:30:47	
<input type="checkbox"/>	test11	agent-WP17391Q20000021	2019080617405	agentmanager.xml	2019-08-06 17:40:53	

+Silent +Prompt +Market 1 of 9

## 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



Configuration File

Name

Name	Group	File	Description	Update Time	Operator
Storm-yishi	Storm20170329	AMK_Card_mVisa_Merge_Register-v6.xml	YI Payment	2019-09-24 09:50:47	admin
Mall	test11	AMK_Card_mVisa_Merge_Register-v6.xml		2019-03-04 16:12:54	admin
case	hy	AMK_Card_mVisa_Merge_Register-v6.xml		2019-02-19 11:06:29	admin
hyTqq	test11	AMK_Card_mVisa_Merge_Register-v6.xml		2019-01-30 11:43:14	admin
Nice	hy	AMK_Card_mVisa_Merge_Register-v6.xml		2019-01-16 15:25:12	admin
DemoFile	lizhou_01_01	configure-en.xml		2018-12-07 09:35:12	lizhou
1114_1	Jonty	configure(xunlian).xml		2017-11-15 00:13:38	Jonty
1321222	zzzz_dualsub012_s5	(new) poshomesettings.xml		2017-05-16 14:19:53	admin
pos	first	poshomesettings.xml		2017-05-12 15:43:45	admin
178	first	bootanimation_soliton.zip		2017-05-12 15:14:26	admin
param-en	WizarPOS	poshomesettings.xml		2017-05-12 15:11:28	admin
oplkj	WizarPOS	poshomesettings.xml		2017-02-23 10:19:31	admin
rrr	WizarPOS	configure(4).xml		2016-05-13 13:31:24	
test1	WizarPOS	configure(4).xml		2016-05-13 11:34:19	admin
cup	WizarPOS	configure(4).xml		2016-04-12 10:31:16	

1 - 15 of 45

### 6.8.1.1. Create Parameter File

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

### Configuration File ✕

Group

Name

File

Description

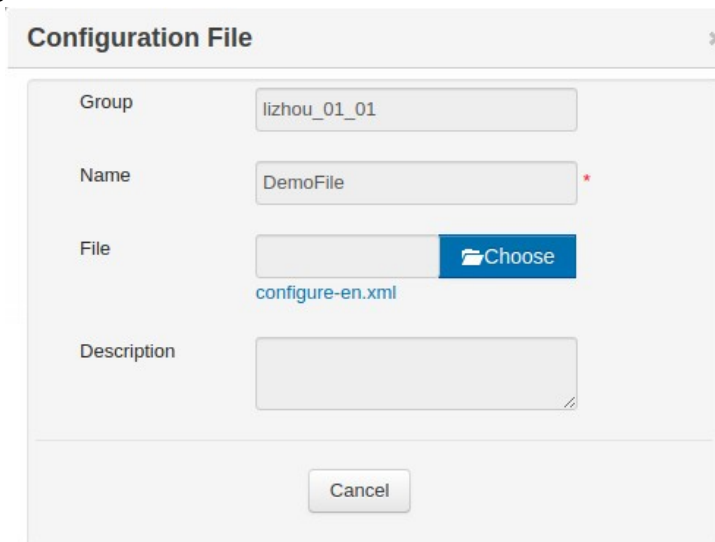
Select configuration file, such as "configure.xml" to complete the new parameter file functional, which "configuration file" is required.

**Notice:**

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

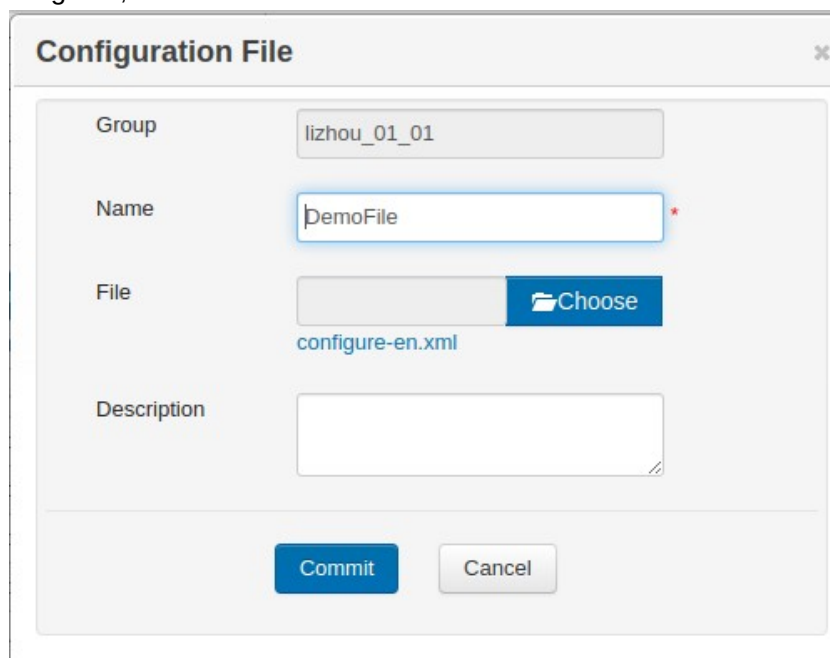


The screenshot shows a dialog box titled "Configuration File" with a close button (x) in the top right corner. It contains the following fields and controls:

- Group:** A text input field containing "lizhou\_01\_01".
- Name:** A text input field containing "DemoFile" with a red asterisk (\*) to its right.
- File:** A text input field containing "configure-en.xml" with a blue "Choose" button to its right.
- Description:** A large, empty text area.
- Buttons:** A single "Cancel" button is located at the bottom center of the dialog.

#### 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



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

- Group:** A text input field containing "lizhou\_01\_01".
- Name:** A text input field containing "DemoFile" with a red asterisk (\*) to its right.
- File:** A text input field containing "configure-en.xml" with a blue "Choose" button to its right.
- Description:** A large, empty text area.
- Buttons:** Two buttons are located at the bottom: a blue "Commit" button and a grey "Cancel" button.

#### 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:

Template

Name

Template List					
Name	Group	Configuration file	Package Name	Create Time	Operator
20190507	test11	case	com.wizarpos.notif.activity	2019-05-07 14:59:39	admin
Test123	test11	hyTqq	com.wizarpos.notif.activity	2019-01-30 09:41:28	admin
Mail	test11	Mail	com.wizarpos.notif.activity	2019-03-04 16:14:12	admin
YY	hy	case	com.wizarpos.notif.activity	2019-02-19 11:04:49	admin
Nice	hy	Payment	com.baidu.haokan	2019-01-14 12:25:57	admin
r28727ww	hy	123	com.wizarpos.notif.activity	2019-01-09 18:14:33	admin
activity	hy	AA	com.wizarpos.notif.activity	2019-01-09 17:49:57	admin
DemoApp	lizhou_01_01	DemoFile	com.wizarpos.payment	2018-12-07 09:36:28	lizhou
duide	first	1	com.wizarpos.notif.activity	2017-05-12 15:19:34	admin
4654	second	178		2017-05-12 15:16:33	admin
en param test	WizarPOS	1	com.wizarpos.notif.activity	2016-06-24 20:36:53	admin
12312	wizarpos-2	1	13132132	2017-05-12 15:08:48	admin
yishi	WizarPOS	yishi	com.wizarpos.paymentrouter#com.wizarpos.yishi	2015-11-06 18:04:58	admin
Storm-yishi-test	Storm20170329	Storm-yishi	com.wizarpos.paymentrouter#com.wizarpos.yishi	2017-03-31 13:16:09	admin
1312	second	1	135236	2017-05-12 15:09:21	admin

1 - 15 of 54

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 1 card1

Name  \*

Parameter file 001

Package file  \*

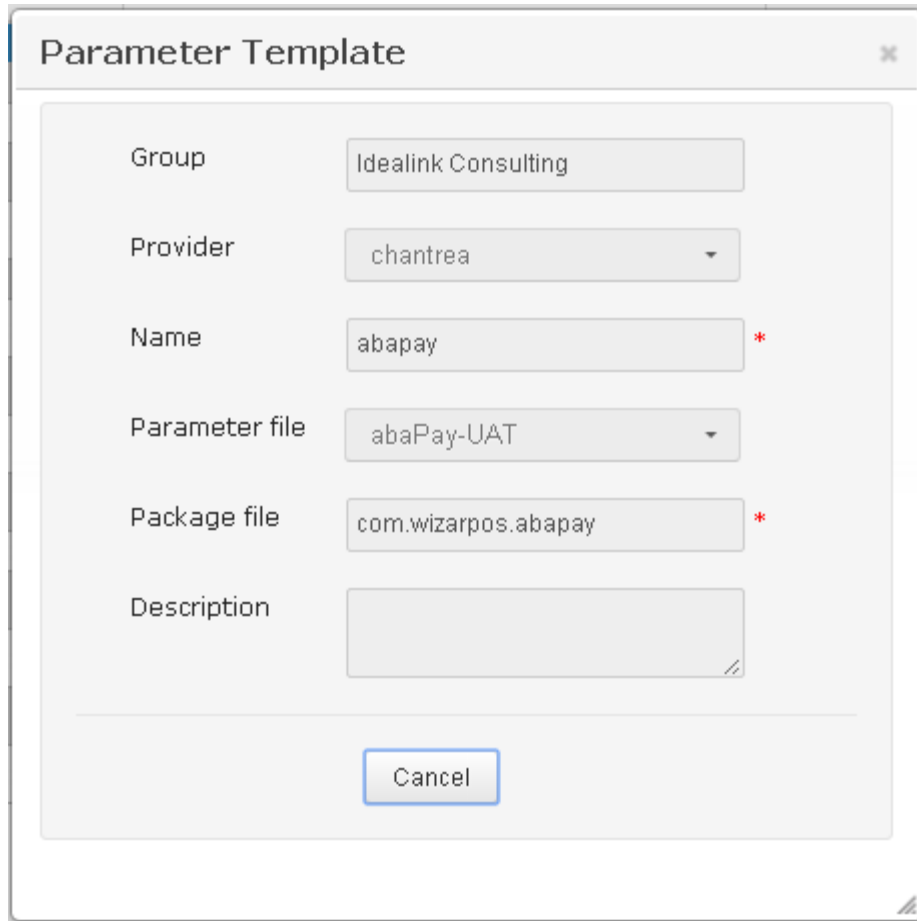
Description

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 screenshot shows a dialog box titled "Parameter Template". It contains the following fields and values:

- Group: Idealink Consulting
- Provider: chantrea
- Name: abapay \*
- Parameter file: abaPay-UAT
- Package file: com.wizarpos.abapay \*
- Description: (empty)

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

#### 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 screenshot shows a 'Parameter Template' dialog box with the following fields and values:

- Group: Idealink Consulting
- Provider: chantrea
- Name: abapay \*
- Parameter file: abaPay-UAT
- Package file: com.wizarpos.abapay \*
- Description: (empty)

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

Downloading List						
Terminal SN	Application	Version	Start Time	Client IP	Progress	
WP17361Q20000004	test_17090+	1.23	2017-10-16 13:43:24	1.1.1.2	73.8%	
WP16151Q00003263	汇丰	HK[201707281730]	2017-10-16 13:28:15	122.97.176.204	35.1%	

1 - 2 of 2

wizarView, a product of wizarPOS v2.1.r27054

### 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

Group	SN	Application	Version	IP	Server	Retry	Status	Start Time	Cost(s)	Size	Speed
WizarPOS/NEW	WP17011Q00009999	test-q3	6.2.0	192.168.202.120	192.168.200.17:8080	0	●	2019-09-23 17:26:18	38	74.92 MB	1 MB/s
WizarPOS/NEW	WP17011Q00009999	test-q3	6.2.0	192.168.202.120	192.168.200.17:8080	0	●	2019-09-23 17:18:59	23	74.92 MB	3 MB/s
WizarPOS/NEW	WP1111111111111111	Q3-0177	0177	192.168.202.240	192.168.200.17:8080	1	●	2019-09-18 16:48:57	399	212.13 MB	545 KB/s
WizarPOS/NEW	WP1111111111111111	Q3-0177	0177	192.168.202.240	192.168.200.17:8080	0	●	2019-09-18 14:45:08	115	212.13 MB	1 MB/s
WizarPOS/NEW	WP37391Q20000042	sn update	1.0	192.168.202.248	192.168.200.17:8080	0	●	2019-09-17 15:10:47	2	1.52 MB	781 KB/s
WizarPOS/case	WP17391Q20000041	agent-WP17391Q20000041	20190917145515	192.168.202.33	192.168.200.17:8080	0	●	2019-09-17 14:55:19	2	155.00 B	77 B/s
WizarPOS/case	WP17391Q20000041	agent-WP17391Q20000041	20190917145438	192.168.202.33	192.168.200.17:8080	0	●	2019-09-17 14:54:42	2	156.00 B	78 B/s
WizarPOS/case	WP17391Q20000041	ee	1.0	192.168.202.33	192.168.200.17:8080	0	●	2019-09-17 14:53:43	2	1.52 MB	781 KB/s
WizarPOS/case/test11	WP17391Q20000041	agent-test11	20190903133823	192.168.202.33	192.168.200.17:8080	0	●	2019-09-17 14:52:46	2	152.00 B	76 B/s
WizarPOS/case/test11	WP17391Q20000041	agent-test11	20190903133823	192.168.202.33	192.168.200.17:8080	0	●	2019-09-17 14:33:10	2	152.00 B	76 B/s
WizarPOS/case	WP17391Q20000040	agent-WP17391Q20000040	20190917143054	192.168.202.96	192.168.200.17:8080	0	●	2019-09-17 14:30:59	2	155.00 B	77 B/s
WizarPOS/case	WP17391Q20000040	ee	1.0	192.168.202.96	192.168.200.17:8080	0	●	2019-09-17 14:29:57	2	1.52 MB	781 KB/s
WizarPOS/case	WP17391Q20000040	agent-WP17391Q20000040	20190917142627	192.168.202.96	192.168.200.17:8080	0	●	2019-09-17 14:26:30	2	152.00 B	76 B/s
WizarPOS/case/test11	WP18101K20001454	agent-WP18101K20001454	20190916173000	192.168.202.38	192.168.200.17:8080	0	●	2019-09-16 17:30:04	2	152.00 B	76 B/s
WizarPOS/NEW	WP19321Q20034416	UC	12.4.0.1020	192.168.200.52	192.168.200.17:8080	0	●	2019-09-12 16:34:21	11	48.78 MB	4 MB/s

1 - 15 of 1,651

### 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: ALL Network Type: All

Search Export Latest Apps Latest Events Upload Log Push Apps

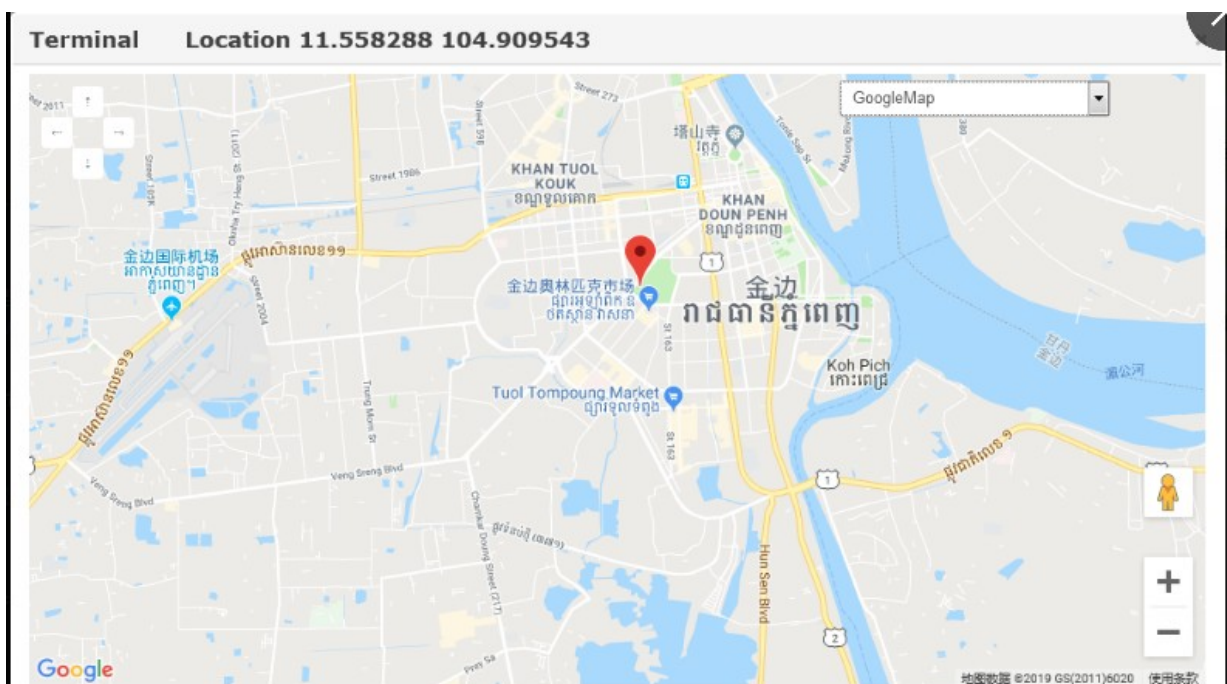
Terminal List	SN	Custom SN	Group	IP	Online	Online Time	Running Time	Location	App Cour	Log	Updated Time
<input type="checkbox"/>	WP17011Q0009999		NEW	192.168.202.120	●	00:00:00	00:28:49		32		2019-09-23 17:40:46
<input type="checkbox"/>	WP18401Q10000015		NEW	192.168.202.121	●	00:00:00	258:38:46		21		2019-09-21 21:02:14
<input type="checkbox"/>	WP47391Q20000042		NEW	192.168.202.62	●	00:00:00	15:56:08		0		2019-09-19 09:43:58
<input type="checkbox"/>	WP111111111111111		NEW	192.168.202.240	●	00:00:00	05:23:52		16		2019-09-19 09:41:57
<input type="checkbox"/>	WP16201Q00004863		TEST-LI	192.168.202.157	●	00:00:00	135:10:40		42		2019-09-18 15:41:52
<input type="checkbox"/>	WIZARPOS20190703		TestGroupSuite	192.168.200.98	●	00:00:00	00:00:00		6		2019-09-18 10:05:42
<input type="checkbox"/>	WP37391Q20000042		NEW	192.168.202.248	●	00:00:00	00:01:57		26		2019-09-17 15:11:22
<input type="checkbox"/>	WP17391Q20000042		case	192.168.202.248	●	00:00:00	00:01:51		26		2019-09-17 14:58:51
<input type="checkbox"/>	WP17391Q20000041	2314564	case	192.168.202.33	●	00:00:00	24:39:44		26		2019-09-17 14:55:20
<input type="checkbox"/>	WP17391Q20000040		case	192.168.202.96	●	00:00:00	00:07:33		26		2019-09-17 14:30:59
<input type="checkbox"/>	WP17421K20001114		test11	192.168.200.160	●	00:00:00	342:50:21		18		2019-09-17 14:30:02
<input type="checkbox"/>	WP18101K20001454		test11	192.168.202.38	●	00:00:00	21:42:39		26		2019-09-17 14:18:44
<input type="checkbox"/>	WP19321Q20034416		NEW	192.168.200.160	●	00:00:00	12:01:56		22		2019-09-16 10:49:30
<input type="checkbox"/>	WP19021Q10009999		test111	192.168.200.160	●	00:00:00	34:40:44		23		2019-09-11 15:50:50
<input type="checkbox"/>	WPT8121Q10000064		NEW	192.168.200.160	●	00:00:00	00:32:41		21		2019-09-11 15:50:43

1 of 55,677 15 1 - 15 of 835,144

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.

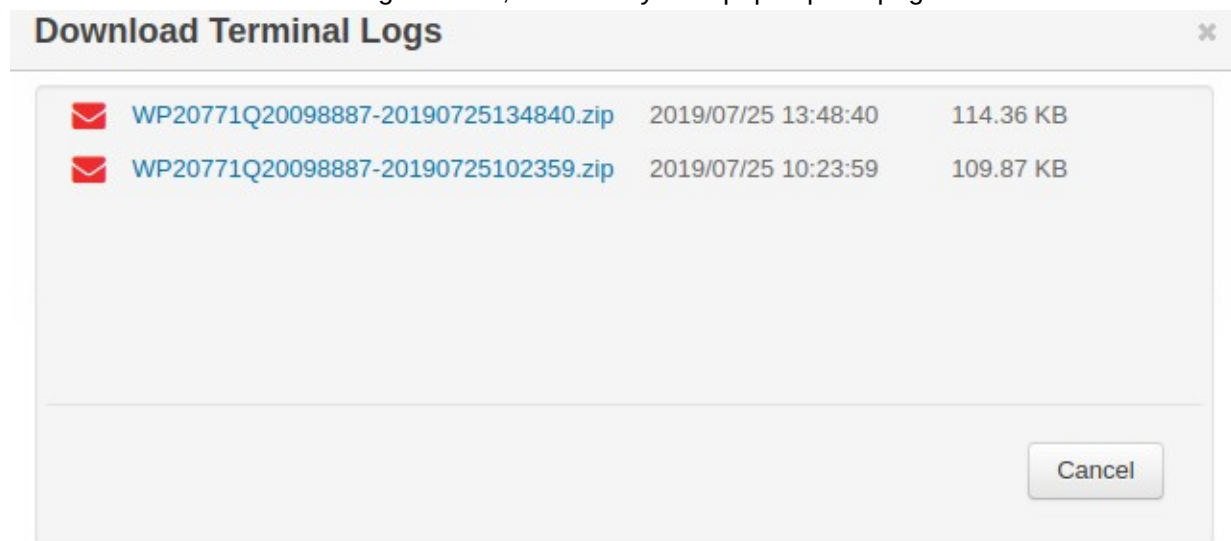
### 6.9.3.1. Terminal Location and Log

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 WPT8121Q10000064** ✕

Package Name  System Application  Search Latest Apps

**Installed Application List**

App	Package Name	Version	Installed Time	Issuer DN
TP-1	jp.co.electrum.tms	1.0.9	2019-09-11 10:13:30	C=CN,ST=Shanghai,L=Shanghai,O=wizarpos,OU=Testing,CN=releasetestv1,E=support@wizarpos.com

1 - 1 of 1

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

**Terminal WP37391Q20000042** ✕

Event  Search

**System Event List**

Event	Time	Description	Value
dev.wifi.ssid	2019-09-17 15:09:34	"huiyin-ap"	0
dev.network.type	2019-09-17 15:09:34	0	0
dev.agent.register	2019-09-17 15:09:43	success	0
dev.terminal.cert.status	2019-09-17 15:09:40	exist pri terminal key, exist agent pub key, verify pub&pri key success	0
dev.hsm.inject certificate	2019-09-17 15:09:39	Inject cert result	12

1 - 5 of 11

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

Terminal WP37391Q20000042

Old Group  New Group  Search

Group Change List				
id	Old Group	New Group	Change Time	Operator
260234		NEW	2019-09-17 15:09:37	AutoRegister

1 - 1 of 1

#### 6.9.4. Electronic Fence

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

Electronic Fence

Name  \*

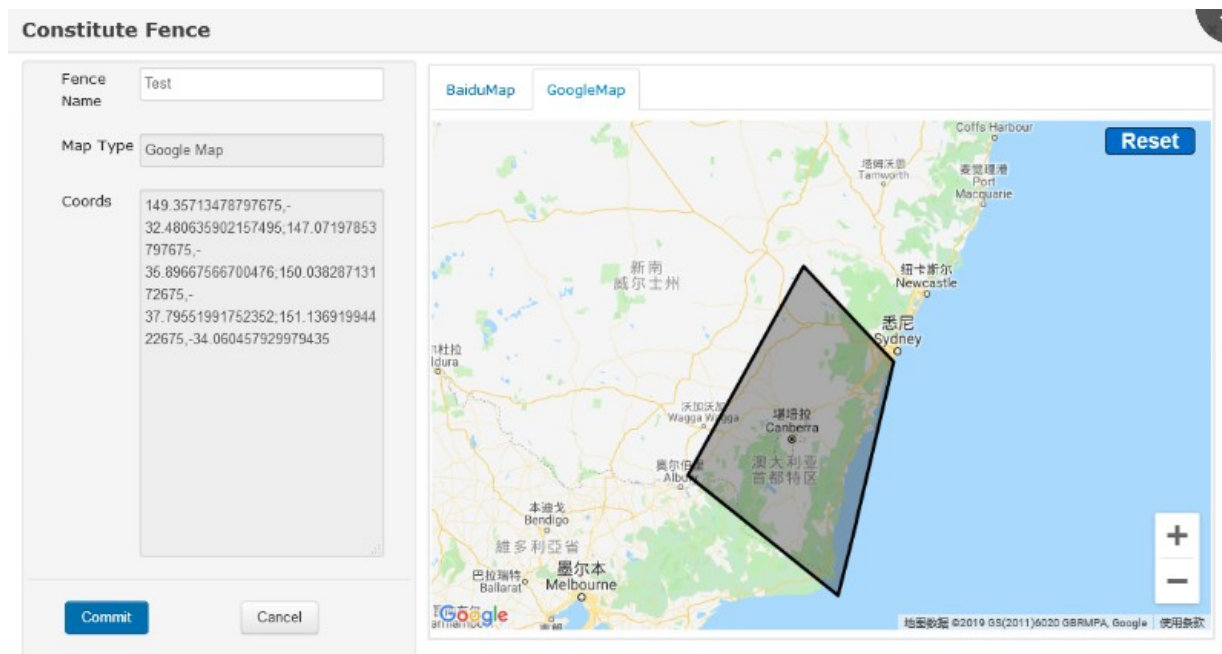
Group  \*

SN Regex

Description

Commit Cancel

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.

## 7. Use Scenarios

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

### 7.1. 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.

### 7.2. 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.

### 7.3. 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 corrsops 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

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	Optional	ANS

	<p>allowed in value data.</p> <p>A means only normal alpha character is allowed except the characters in S.</p> <p>S means only special characters "[*?\"&lt;&gt;  ]".</p> <p>AN means only alphanumeric character is allowed in value data.</p> <p>ANS means all characters are allowed.</p> <p>If the rule type is P, the rule should be the Java regular expression pattern.</p>		
--	---	--	--

The "option" node attributes:

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