

**iView IoT platform
Operation Manual**

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(v1.2)

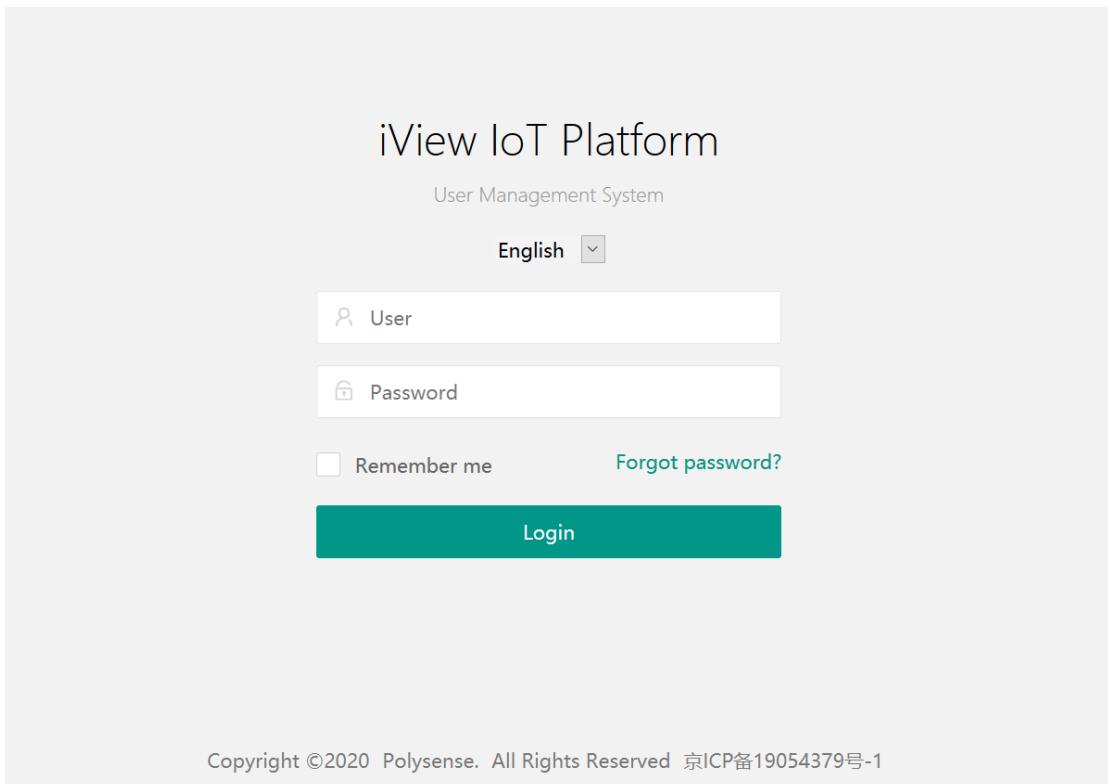
POLYSENSE
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Catalog

1	Login.....	3
2	Home.....	4
3	Device management.....	5
3.1	Equipment basic information management	5
3.2	Equipment configuration	10
4	Data list	11
4.1	Data list	11
4.2	Data chart.....	13
5	Alarm	13
6	Repair.....	14
7	System Management.....	18
7.1	Log Management	18

1 Login

Enter address in browser: <http://www.polysense.online>, Enter the Polysense iView platform management system login page. Enter the account password on the login page, and click Login to enter the system. You can click to remember the password, and you do not need to enter the password when you next log in, which improves the operation efficiency. Simplified Chinese and English languages are supported.



2 Home



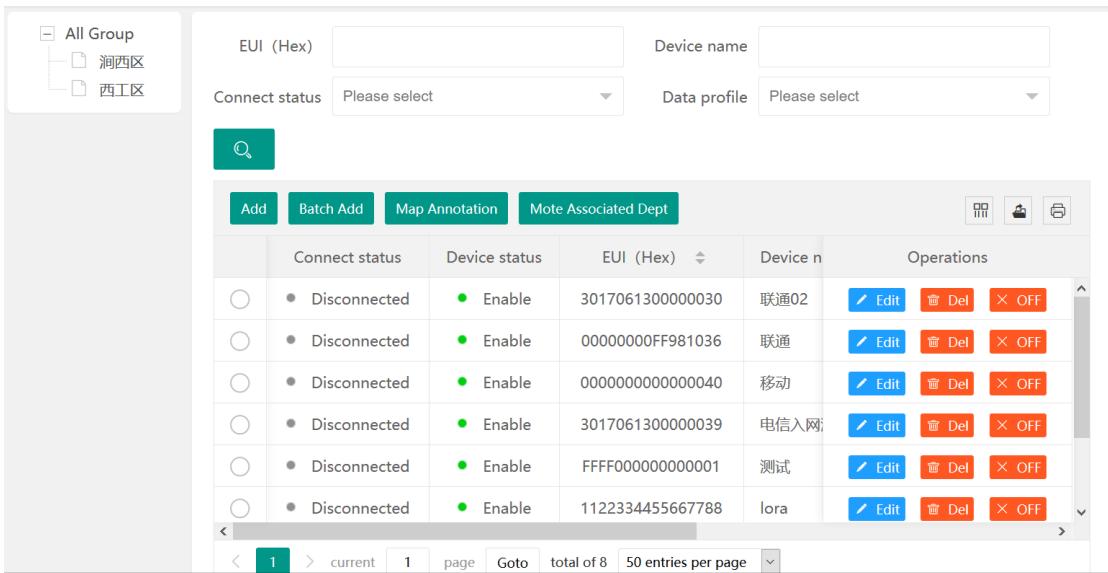
The homepage contains the following:

- Device status: The group is the main line, which displays the total number of devices and the total number of devices in use in each group.
- Total time distribution of the day: Summarized by hour, the data amount reported on the day.
- Time distribution of data in each district on the day: Statistics of the reported data volume in the morning, noon, and evening respectively.
- Distribution of early warning personnel: The main line of early warning types is to summarize the situation of early warning.
- Equipment distribution search matching: Filter equipment by combining query conditions, and mark the corresponding geographic location on the map. Click the device icon to view the specific information of the device. The search conditions provided include: EUI, company, name, mobile phone, province, address.
- Total number of screeners: As of the current time, the total number of infrared screeners has accumulated.
- Screening average body temperature: As of the current time, the average body temperature of infrared screeners.
- Number of early warning screens: As of the current time, the total number of early warnings among those involved in infrared screening.

3 Device management

3.1 Equipment basic information management

The device management is displayed in the form of a list on the left side of the tree structure. On the left is all group information. Switching groups can refresh the device data on the right simultaneously. Display all data; Multi-condition query is supported. After entering the query conditions, click the  button to quickly find the data; the list supports the ascending and descending order of the specified data items.



	Connect status	Device status	EUI (Hex)	Device n	Operations
<input type="radio"/>	● Disconnected	● Enable	3017061300000030	联通02	
<input type="radio"/>	● Disconnected	● Enable	00000000FF981036	联通	
<input type="radio"/>	● Disconnected	● Enable	0000000000000040	移动	
<input type="radio"/>	● Disconnected	● Enable	3017061300000039	电信入网	
<input type="radio"/>	● Disconnected	● Enable	FFFF000000000001	测试	
<input type="radio"/>	● Disconnected	● Enable	1122334455667788	lora	

- Click  to open a new window, enter the relevant information and click the Save button to complete the add operation.

Add Device

Basic info

EUI(Hex)	Length is 16 hex character	Name	
IMEI		Up Link Type	Please select
Group	Please select	Data profile	<ul style="list-style-type: none">Please selectLoRaNB-IoTNB-IoT (电信)WIFI...
Installation time			
Description			

Save **Cancel**

Add device, currently supports 5 [connection types], which are "LoRa", "NB-IoT", "NB-IoT (telecom)", "WIFI", "LTE". When [Connection Type] is "LoRa", the data item [APP Key] is required; when [Connection Type] is "NB-IoT (telecom)", the data item [Equipment IMEI] is required.

When adding, you can set the group and data configuration of the device. Before setting, you need to select the platform customer.

- Support batch add function, this function can realize the fast addition of large batch data through a small amount of data entry.
- Support device activation and deactivation. When the device is deactivated, it will no longer receive the data reported by the device and no relevant data alarm will be generated.
- Select a device, click **Map Annotation** to open a new window, and click **Search** on the map or enter the address to mark the device.
- **Clear Mark** can clear device markers on the map.



- Select a device, click **Mote Associated Dept** to open a new window, and select the device associated with the department. You can quickly query based on the EUI of the device.

Department	Selection Department ▾	EUI(Hex)	Search						
<div style="display: flex; justify-content: space-between;"> Has Been Associated Not Associated </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">✓</th> <th style="width: 15%;">EUI (Hex) ▾</th> <th style="width: 15%;">Name ▾</th> </tr> </thead> <tbody> <tr> <td colspan="3" style="text-align: center;">请选择部门</td> </tr> </tbody> </table>				✓	EUI (Hex) ▾	Name ▾	请选择部门		
✓	EUI (Hex) ▾	Name ▾							
请选择部门									
Save Cancel									

- Support device delete function. Users with delete permission can delete useless device information.
- Click the **Edit** button to open the editing window. After entering the relevant information, click the Save button to complete the editing operation.

Edit Device


[Basic info](#) [Calibration](#)

Type name	Operations
Temperature	Calibration ...
Humidity	Calibration ...
Vibration-2-x	Calibration ...
Vibration-2-y	Calibration ...
Battery voltage	Calibration ...

[Save](#)
[Cancel](#)

- Switch to the Calibration tab, and list all the data types supported by the device here. At the same time, you can perform data calibration and threshold setting for each data type.
- Click on the calibration to perform any of the operations of "reset", "compensate", and "calibration" on the reported data of this data type. The purpose is to modify the reported data.

Calibration settings



Temperature

 reset compensate

 Calibration

The
initialization
value is: 0, and
the reset value
is

0

[Save](#)
[Cancel](#)

- Click on the threshold value to set the threshold for the two types of four-level warnings of this data type. The platform provides four levels of early warning mechanism (minor alarm, normal alarm, major, critical serious) and two alarm judgment mechanisms (cross alarm and trend alarm). By setting the alarm threshold, the system will automatically calculate the data reported by the device. If the alarm setting policy is exceeded, an alarm record will be generated, and the alarm record will be notified to the responsible person in the form of email or SMS.
- The set threshold interval is the non-alarm interval. Exceeding the threshold setting range triggers the alarm mechanism, and the early warning mechanism deals with the most serious.

Custom alarm settings

X

Cross alarm setting

Minor	The highest threshold	-	The minimum threshold
Normal	The highest threshold	-	The minimum threshold
Major	The highest threshold	-	The minimum threshold
Critical	The highest threshold	-	The minimum threshold

Trend alarm setting

Minor	The highest threshold	-	The minimum threshold
Normal	The highest threshold	-	The minimum threshold

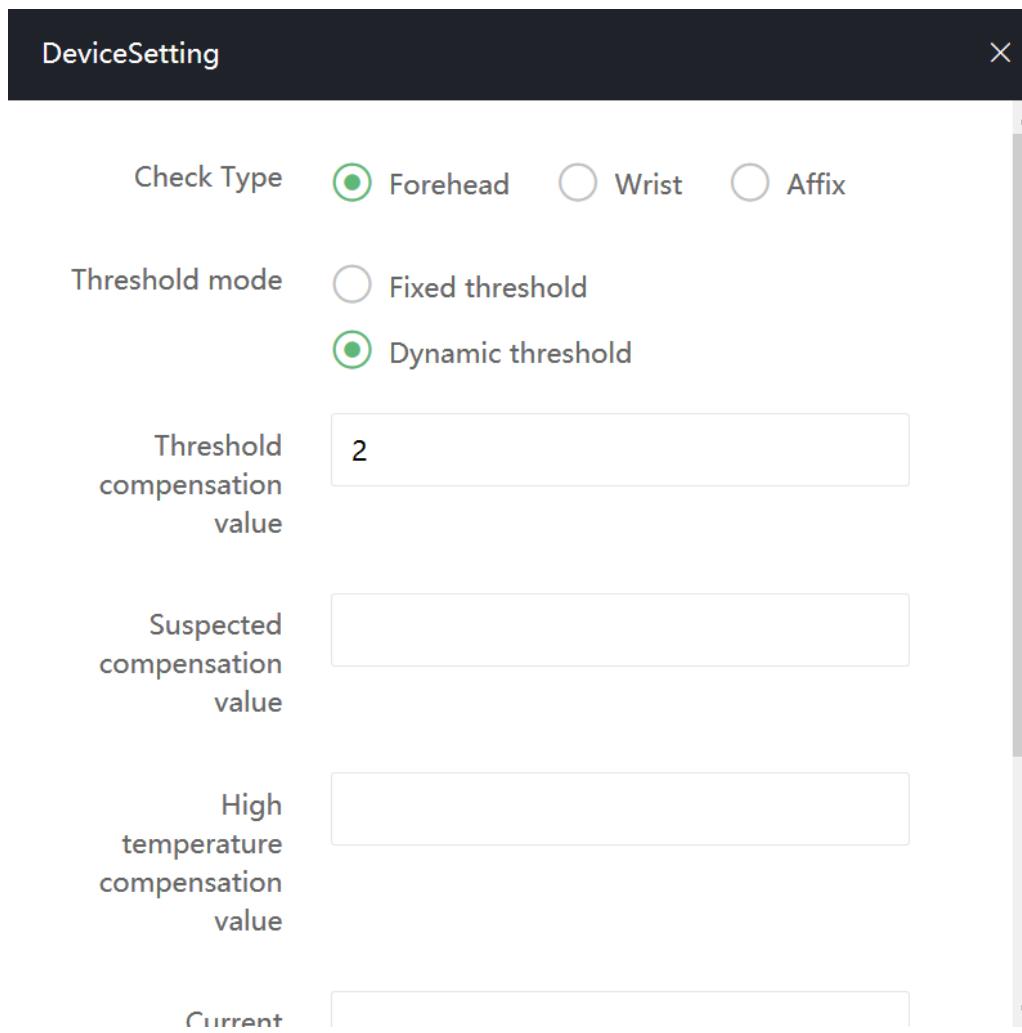
Save **Cancel**

9

3.2 Equipment configuration

(threshold compensation value setting)

Device configuration to provide management functions for setting thresholds for infrared temperature screening devices. After enabling infrared temperature screening in the group, select a device in the list and click the X button to open the configuration window for configuration.



Supports three types of detection: "forehead", "wrist", and "affix". The default is "forehead".

Threshold compensation

It is used when the cloud computing threshold is used to compensate and correct

the cloud computing threshold. The system default is "2", which can be modified.

Current threshold

According to the effective infrared temperature data currently collected by the device, it is obtained through cloud computing, elimination of extreme values, and correction of threshold compensation values. The "current threshold" is used as an early warning detection value to perform early warning detection on subsequent infrared temperature data collected. When the subsequent infrared temperature data exceeds the "current threshold", the system will automatically issue an infrared temperature alarm message.

Last calculation time

Record the last calculation time of "Current Threshold". The "current threshold" is the result of dynamic calculation through the cloud. After each recalculation of the current threshold, the "last calculation time" is refreshed.

Reset threshold

Clear the threshold, and recalculate the threshold for the data collected after clearing.

Note: The data is irreversible after clearing, please operate with caution.

4 Data list

4.1 Data list

The data list module is to display the reported data of all devices in a centralized manner. You can see the EUI (Hex) of the device, the device name, the reporting time, and the corresponding value of the reported data type.

By default, the reported data information of all devices on the platform is displayed.

We also support clicking the  button to select the data items to be displayed. The query area is at the top of the list. After entering the query conditions, click  to support query data. At the same time, the data can be exported to Excel in Excel format.

EUI (Hex)	<input type="text"/>	Device name	<input type="text"/>
Start time	<input type="text"/>	End time	<input type="text"/>
<input type="button" value="Q"/> <input type="button" value="Export Excel"/>		[print] [refresh] [close]	
EUI (Hex) 	Device name 	Report time 	
3017061300000030	联通02	2020-02-26 10:16:35	
EEEE000000000001		2020-02-14 21:11:48	
EEEE000000000001		2020-02-14 21:11:41	
EEEE000000000001		2020-02-14 21:10:15	
EEEE000000000001		2020-02-14 21:10:09	
EEEE000000000001		2020-02-04 14:19:07	
< <input type="button" value="1"/> 2 3 ... 967 > current <input type="button" value="1"/> page <input type="button" value="Goto"/> total of 48306 <input type="button" value="50 entries per page"/>			

- Click the  button to select the content of the displayed data items, depending on the relevant content set in the "System Management / Data Dictionary / Data Configuration" module.
- Click the  button to print the data of the current page directly.

<input checked="" type="checkbox"/> EUI (Hex)
<input checked="" type="checkbox"/> Device name
<input checked="" type="checkbox"/> Report time
<input type="checkbox"/> Battery voltage
<input type="checkbox"/> Humidity
<input type="checkbox"/> Temperature
<input type="checkbox"/> Vibration-2-x
<input type="checkbox"/> Vibration-2-y

4.2 Data chart

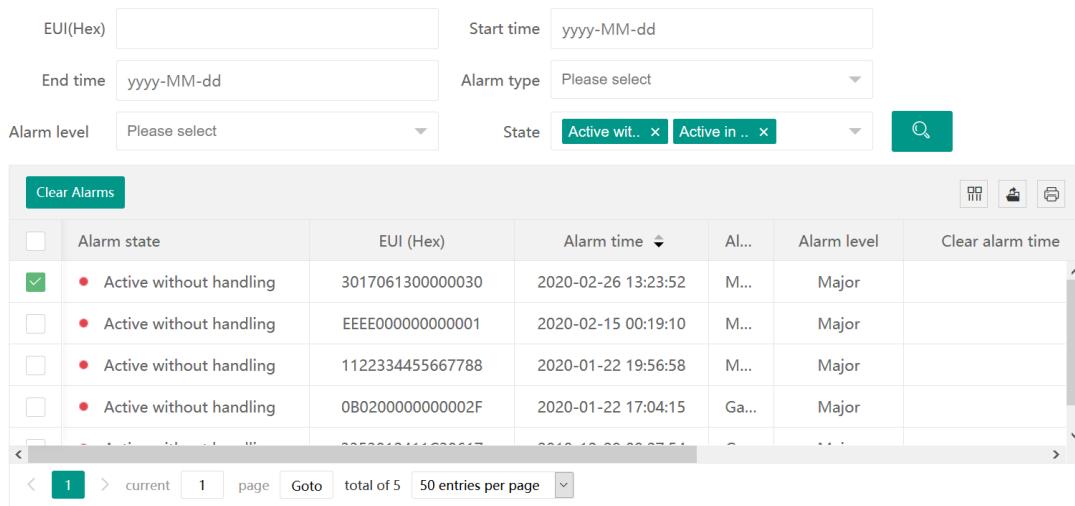
The data icon displays the data in the data list module in the form of statistical charts, and displays the trend chart of the specified data type in an intuitive way by switching between line charts or bar charts. It supports real-time refresh and saving of trend charts as pictures.

The query area is at the top of the list. After entering query conditions, click  to support query data. There is a timeline below the chart. Click to support sliding view of the chart.



5 Alarm

The device alarm list displays the alarm information of all the current customers' equipment. After receiving the device alarm, the platform will display it on this page according to the latest time of the alarm. The operator supports selecting the information after the alarm and clicking the  button to manually clear the alarm. Device alarm supports data query based on time range, alarm type, alarm level, and processing status. By default, all alarm information is displayed in reverse order of alarm time.

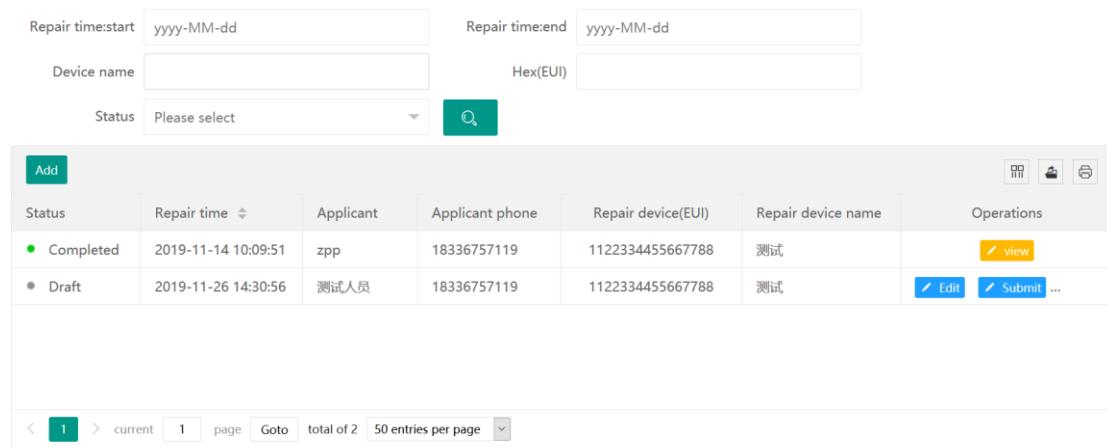


The screenshot shows a search interface at the top with fields for EUI(Hex), Start time, End time, Alarm type, Alarm level, and State (Active wit.., Active in ..). Below is a table titled "Clear Alarms" listing five active alarms. Each row includes checkboxes for selecting individual alarms. The table columns are: Alarm state, EUI (Hex), Alarm time, AI..., Alarm level, and Clear alarm time. At the bottom, there are navigation buttons for pages 1-5, a "Goto" field, and a "total of 5" entry.

Alarm state	EUI (Hex)	Alarm time	AI...	Alarm level	Clear alarm time
<input checked="" type="checkbox"/> Active without handling	30170613000000030	2020-02-26 13:23:52	M...	Major	
<input type="checkbox"/> Active without handling	EEEE000000000001	2020-02-15 00:19:10	M...	Major	
<input type="checkbox"/> Active without handling	1122334455667788	2020-01-22 19:56:58	M...	Major	
<input type="checkbox"/> Active without handling	0B02000000000002F	2020-01-22 17:04:15	Ga...	Major	

6 Repair

The repair management list displays the repair information of the currently logged in customer. The query area is at the top of the list. Enter the search conditions and click the  button to query the data. Establish repair information for the equipment that needs to be repaired. After the repair information is created, click the  **Submit** button and submit it to the platform. The platform management staff will review and process the results. After the processing is completed, the results are returned to the client. carry out.



The screenshot shows a search interface at the top with fields for Repair time:start, Repair time:end, Device name, Hex(EUI), and Status (Please select). Below is a table titled "Add" listing two repair tasks. The table columns are: Status, Repair time, Applicant, Applicant phone, Repair device(EUI), Repair device name, and Operations. The first task is "Completed" and the second is "Draft". The "Operations" column contains buttons for "view", "Edit", "Submit", and more. At the bottom, there are navigation buttons for pages 1-2, a "Goto" field, and a "total of 2" entry.

Status	Repair time	Applicant	Applicant phone	Repair device(EUI)	Repair device name	Operations
Completed	2019-11-14 10:09:51	zpp	18336757119	1122334455667788	测试	 view
Draft	2019-11-26 14:30:56	测试人员	18336757119	1122334455667788	测试	 Edit  Submit ...

- Click the **Add** button to open the repair window. After entering the information, click the save button to complete the operation of adding repair equipment.

Add Repair Info

×

Repair time	2020-03-17 17:24:43	
Applicant		
Applicant phone		
Repair device(EUI)		
Device name		
Description		
Save Cancel		

- Click the  button to open the repair editing window. After modifying the information, click the Save button to complete the modification operation. If the equipment repair information has been submitted, you cannot modify the repair information.

Eidt Repair Info X

Repair time	2020-03-17 17:26:31
Applicant	测试人员
Applicant phone	18336757119
Repair device(EUI)	1122334455667788
Device name	测试
Description	

Save Cancel

- Click the  button to view the processing information.

View Repair Info X

Repair time	2019-11-14 10:09:51
Applicant	zpp
Applicant phone	18336757119
Repair device(EUI)	1122334455667788
Device name	测试
Description	无法上报
Deal time	2019-11-25 11:19:44
Result	Submitted
Description	经协商已解决

7 System Management

7.1 Log Management

The log management list shows that when a user logs in to the system and adds, edits, or deletes data in the system, the specific time of operation, modules, and data are recorded. Above the list is the query area. Enter the query conditions and click  to query the data.

Operator	Module	Operation content
Start time	End time	
demo	42.224.226.9	登录系统
demo	71.204.156.178	退出系统
demo	71.204.156.178	登录系统
demo	71.204.156.178	退出系统
demo	71.204.156.178	登录系统
demo	42.224.229.145	退出系统
demo	42.224.229.145	登录系统
demo	24.47.82.180	退出系统
demo	24.47.82.180	登录系统