

User Manual of FDPS

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Revise History

Version	Author	Release Date	Description
1.0	Mengmeng.song	2018.5.10	Initial version
2.0	Holly.yao	2019.05.27	Update system new features



1 Introduction

1.1 Summary

FDPS (Fanvil Distributed Provisioning Service) is a Management System that helps agents and customers deploy devices in batches based on MAC addresses. When the device is connected to the FDPS server, it can automatically send an Auto Provision profile request to the server for Provision. In this way, tens of thousands of devices can be configured in batches at one time, greatly improving the deployment efficiency of users.

1.2 Account Type

The service objects of FDPS include administrator, agent and customer. The management mechanism of accounts is hierarchical management. The relationship between accounts is parent-child relationship.

Account Type	Functions
Administrator	<ul style="list-style-type: none"> ➤ Account info management ➤ System accounts, devices, groups quantity check ➤ MAC list Settings for restricted devices ➤ Sub-account management ➤ All devices check and delete ➤ Log management
Agent	<ul style="list-style-type: none"> ➤ Account info management ➤ Sub-account management ➤ MAC management for Sub-account ➤ Device management ➤ Group management ➤ Log management
Customer	<ul style="list-style-type: none"> ➤ Account info management ➤ Device management ➤ Group management ➤ Log management

2 Method of using the system

2.1 Login

Enter <https://fdps.fanvil.com/> in the browser to enter the login page, type the username and password (if the username and password are useless, you need to apply to the fanvil administrator), and click the login button to enter the FDPS.

Note: All accounts can only be logged in by one person at a time. If another person logs in, the previous user will be forced to log out.

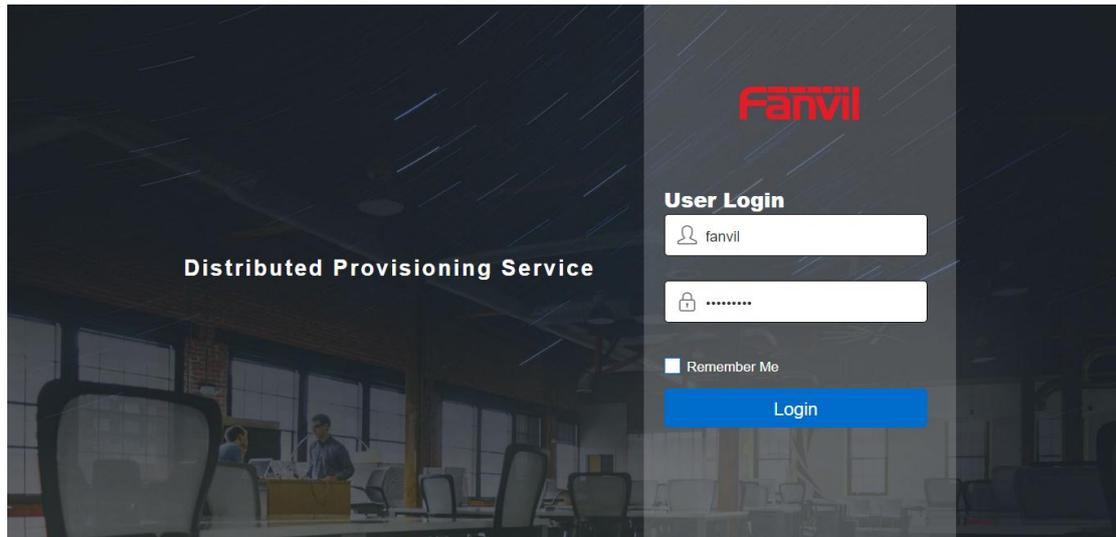


Figure 1-1

2.2 Administrator

The administrator account is the administrative account used by the system to assign agents' accounts. At present, the system has only one administrator account. Users who use this account should note that when deleting the agent's account, all sub-accounts of the agent's account will be deleted simultaneously. The administrator should be careful when deleting the account.

2.2.1 Account info managements

As the figure 1-2 shown, the user home page is the INFO page, and the INFO page displays the account information, including the account number, device number, group number of the system at current, also offering account personal information and password modification interface.

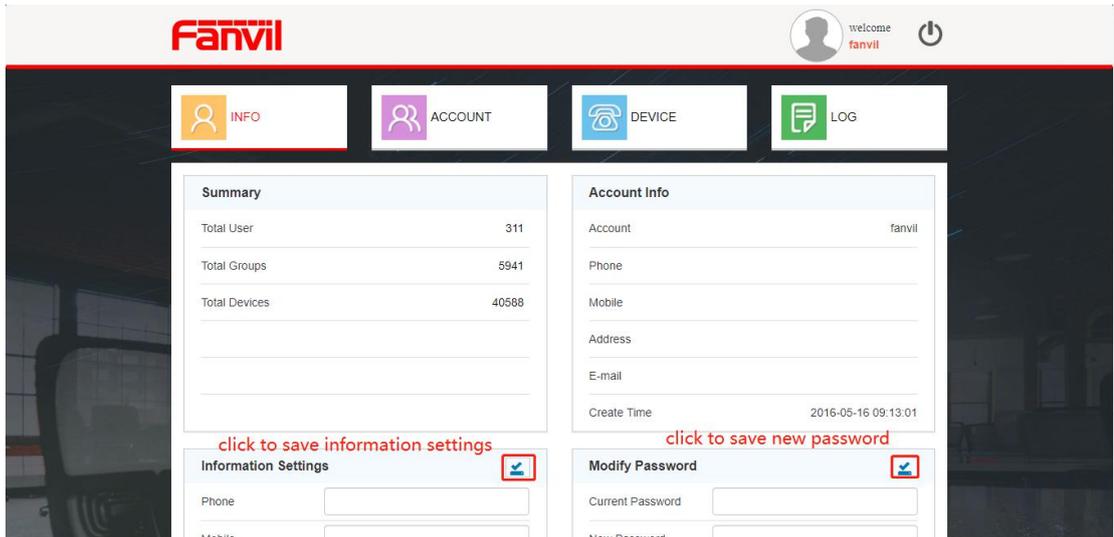


Figure 1-2

➤ **Information and password modify**

As figure 1-2 shown, user can input personal information or password and then click save button to complete modify operation.

2.2.2 Account management

User enter ACCOUNT model by click ACCOUNT button, as figure 1-3 shown.

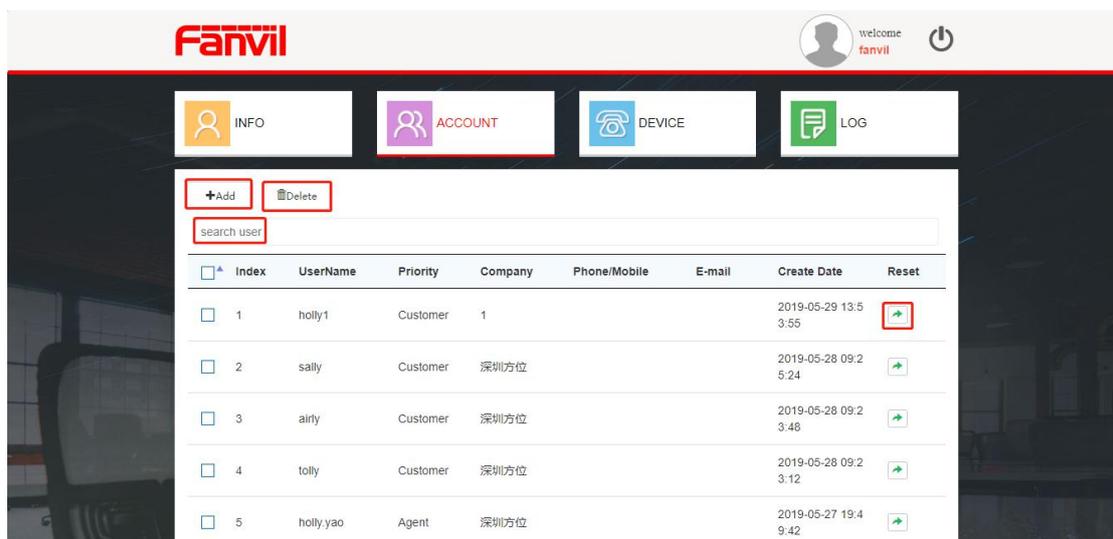


Figure 1-3

➤ **Add agent account**

User click “Add” button to launch add account interface, as figure 1-4 shown. Input username, password, confirm, company and other info, click “Done” button to add the sub-account.

Note:Administrator account can only create Agent account.

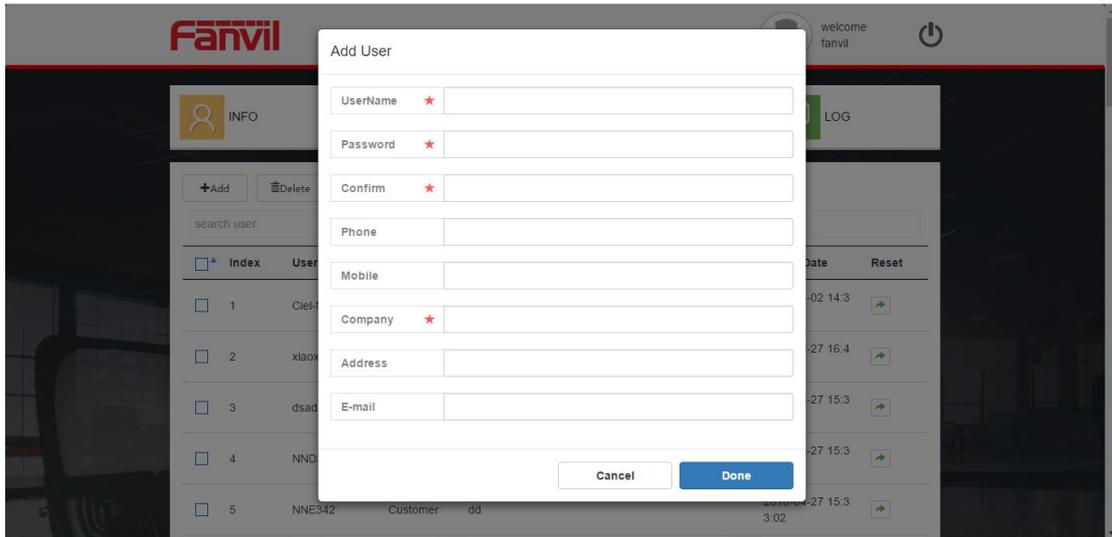


Figure 1-4

➤ **Delete sub-account**

The Delete button on figure 1-3 is to delete sub-account, after check the checkbox of sub-account, click delete button, and then click OKAY button on prompt dialog, the sub-account deleted.

➤ **Reset password of sub-account**

The Reset button on figure 1-3 is to modify sub-account password, after click this button, a prompt dialog shown like figure 1-5 shown. User input the new password and click OKAY button to complete modification.

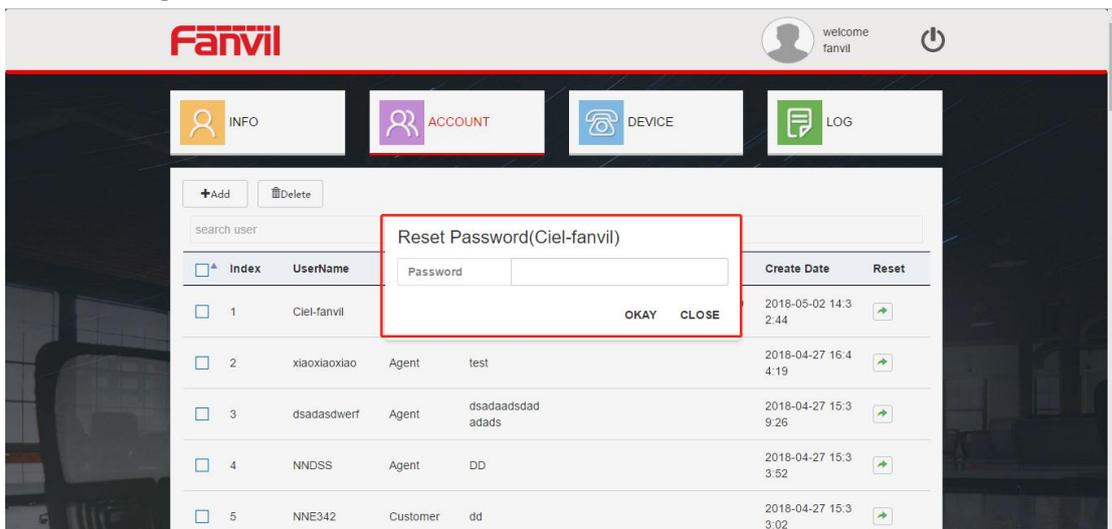


Figure 1-5

➤ **Sub-account query**

The inputted box with text “search user” is to search an user. Input keywords in this box, the related user will be shown on this page.

2.2.3 Device management

The DEVICE page is to check all devices MAC address of the system currently being managed and which agent was belonged to, as shown in figure 1-6 below. The administrator can check the device information including who is managing and when was it registered by searching with the MAC address. The system also provided to administrator with the device deletion function, and the administrator has the delete authority of all the devices in the system.

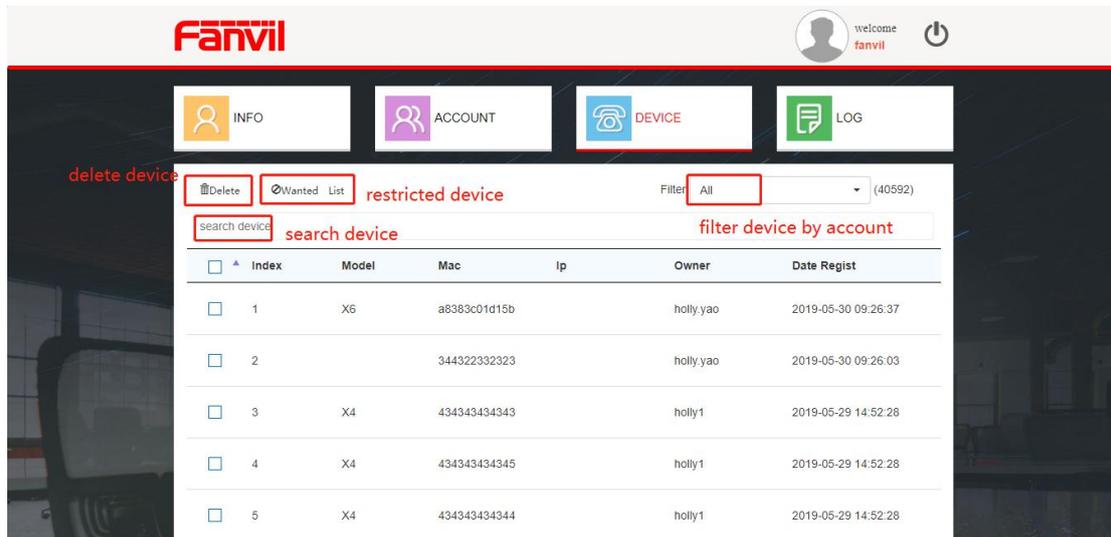


Figure 1-6

➤ Wanted List

This feature only provides administrator access, who can add a restricted device MAC to the wanted list, the device that exists on the wanted list, and if the agent's account is added to this MAC, the addition will fail and prompt you to contact Fanvil technical support or the administrator.

2.2.4 Log management

Administrators could through the Log interface to view all operation of this account and the specific execution time. Users can do the operation about log including query logs, download logs (support 10000 logs recently), delete logs, and empty logs. The web interface as shown in

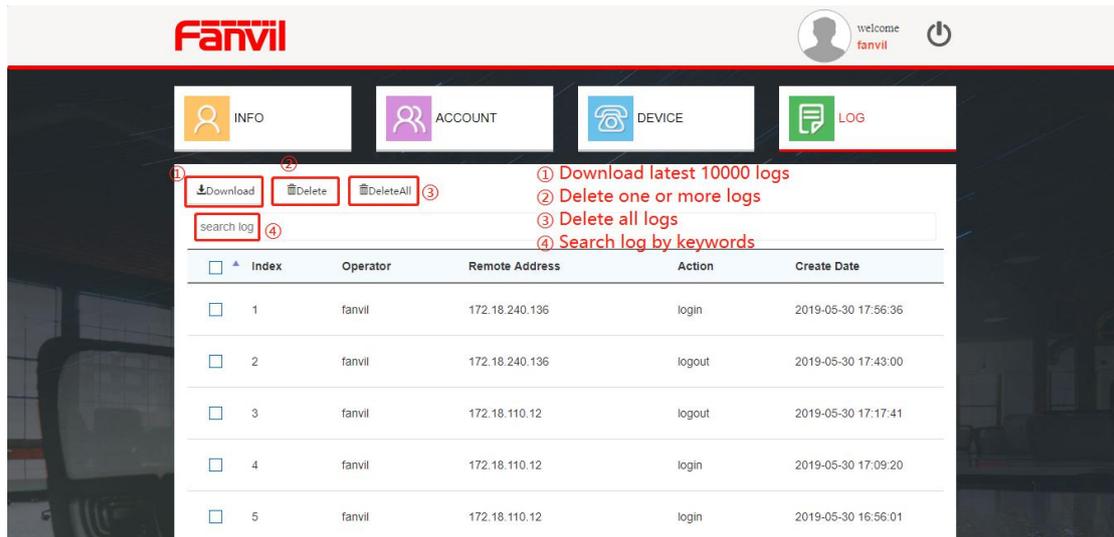


Figure 1-7

2.3 Agent

All the agent accounts are created by administrator in system.

2.3.1 Account info management

As shown in figure 2-1, the home page is INFO page which displayed the account information, including the current sub-account number, the number of devices, the number of groups, the personal information of the account and the personal information and password modification interface.

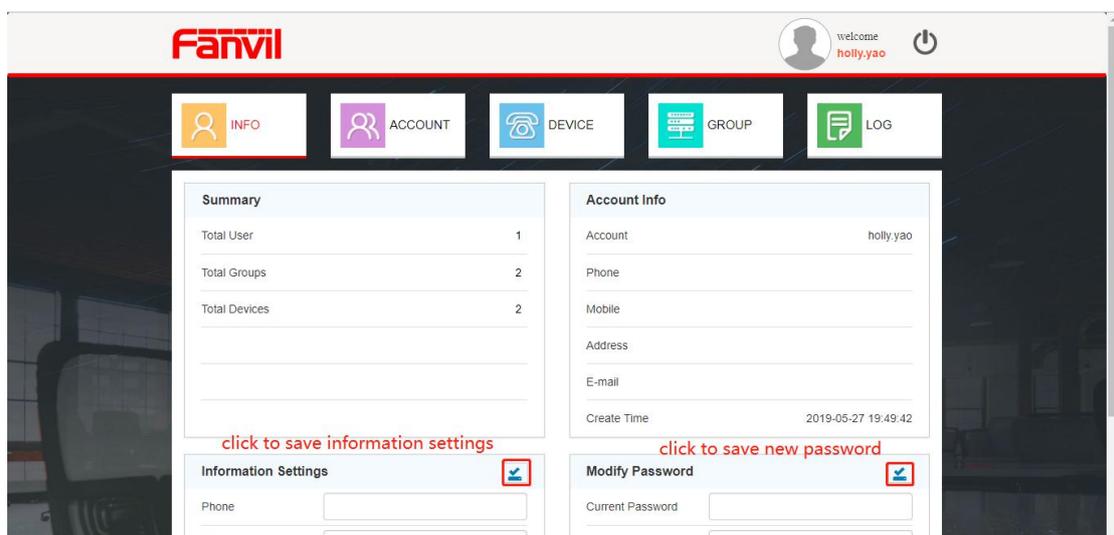


Figure 2-1

➤ **Information and password modify**

As figure 2-1 shown, user can input personal information or password and then click save button to complete modify operation.

2.3.2 Account management

User enter ACCOUNT model by click ACCOUNT button, as figure 2-2 shown.

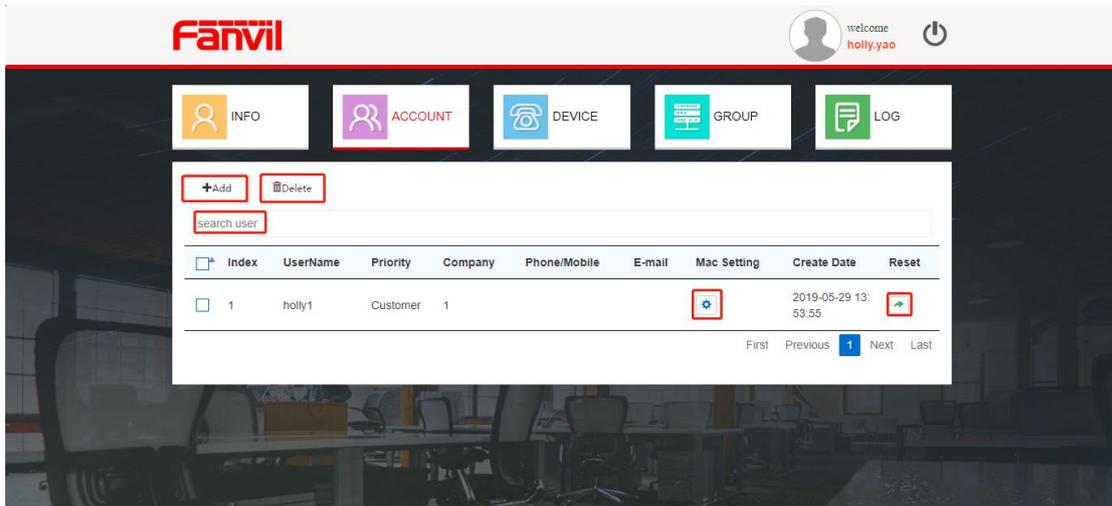


Figure 2-2

➤ **Add Customer account**

User click Add button to launch add account interface, as figure 2-3 shown. Input username, password, confirm, company and other info, click Done button to add the sub-account.

Note: Agent account can only create customer account.

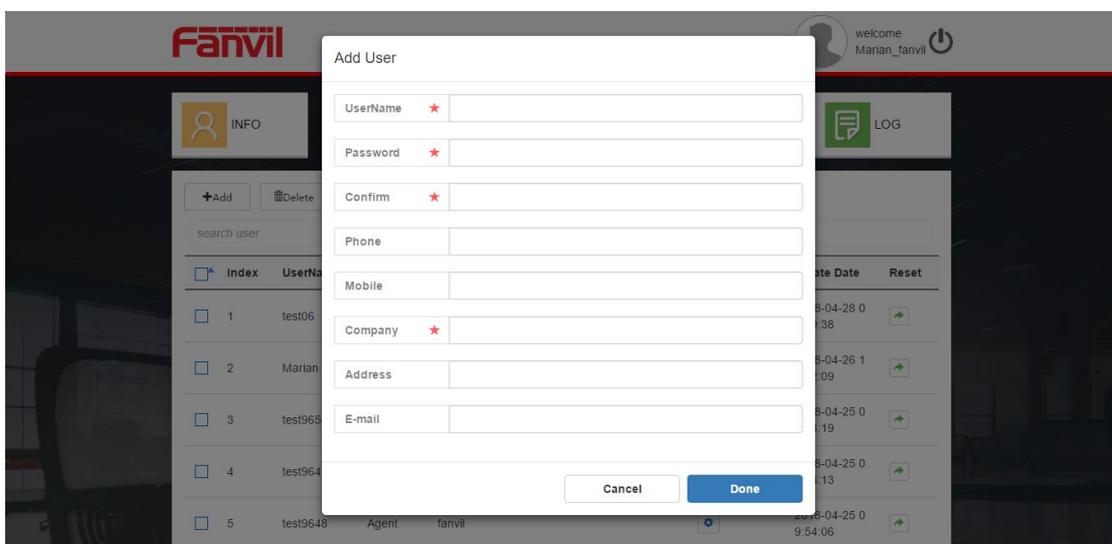


Figure 2-3

➤ **Delete sub-account**

The Delete button on figure 2-2 is to delete sub-account, after check the checkbox of sub-account, click delete button, and then click OKAY button on prompt dialog, the sub-account deleted.

➤ **Reset password of sub-account**

The Reset button on figure 2-2 is to modify sub-account password, after click this button, a prompt dialog shown like figure 2-4 shown. User input the new password and click OKAY button to complete modification.

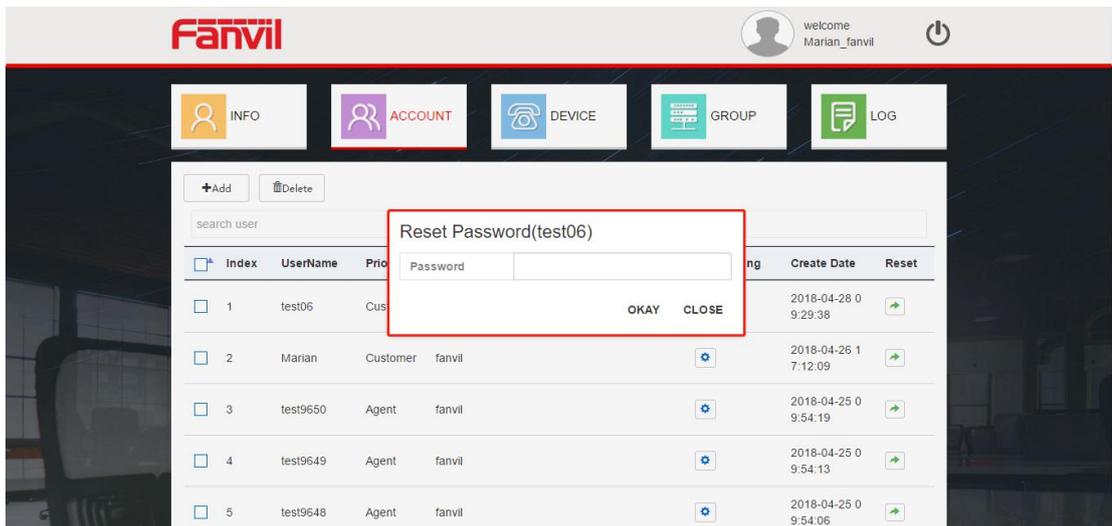


Figure 2-4

➤ **Sub-account search**

The inputted box with text “search user” is to search user. Input keywords in this box, the related user will be shown on this page.

➤ **MAC address management for sub-account**

The agent needs to dispatch the MAC address to the customer, otherwise the MAC address is invalid for sub-account and the customer cannot register and management it. As shown in the figure 2-5, this is the MAC address allocation entry, click this button to enter MAC address allocation interface as figure 2-6 shown.

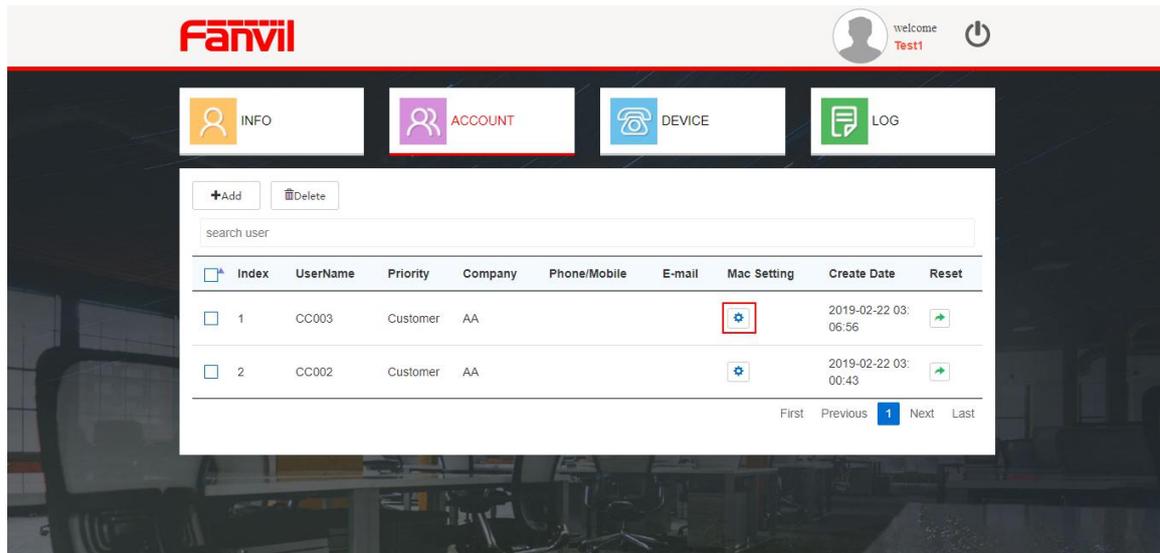


Figure 2-5

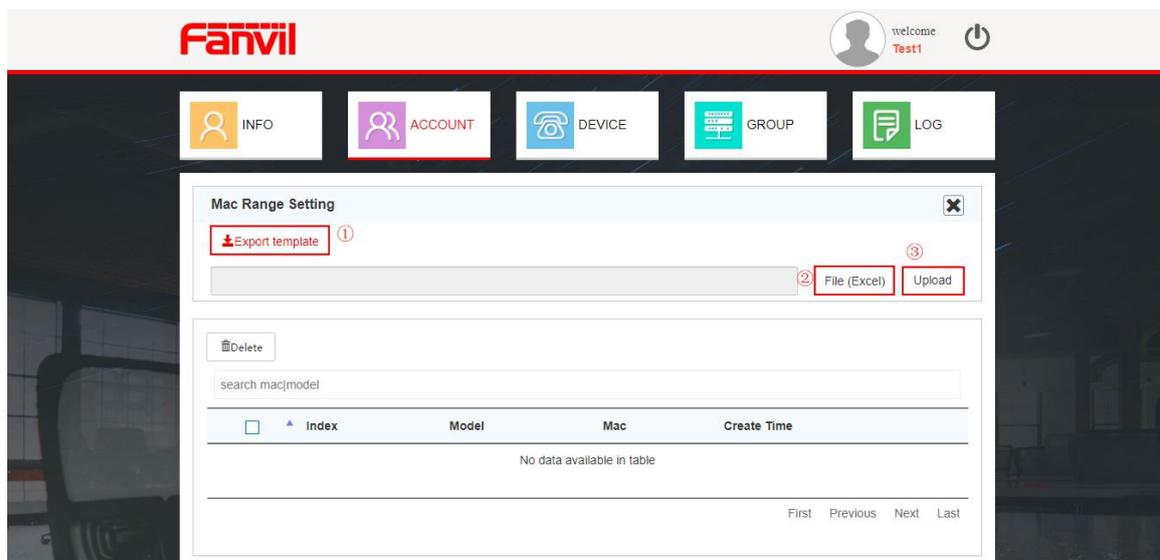


Figure 2-6

1) MAC address dispatch

The system supports upload MAC address only by import excel file, so please download template at first. The mark 1 at figure 2-6 is to download template. Update the MAC address file with needed MAC data to be assigned. Then select the MAC address file and click Upload button to assign MAC address to sub-account. You will check MAC address in this web page.

Note: The max quantity of Macs import one time is 30000 and takes about 5 minutes.

Recommending that users do not import the file which has large amount of data, 10000 records is prefer and takes about 5 seconds.

2) Delete sub-account MAC address

Agent can delete MAC address in Mac Range setting interface. The device will be delete

automatically on the sub-account After delete MAC address from agent account, and sub-account cannot register and management this device again at this time.

2.3.3 Device managements

The agent accounts could also register and management device, click DEVICE button to enter device management interface, as figure 2-7 shown.

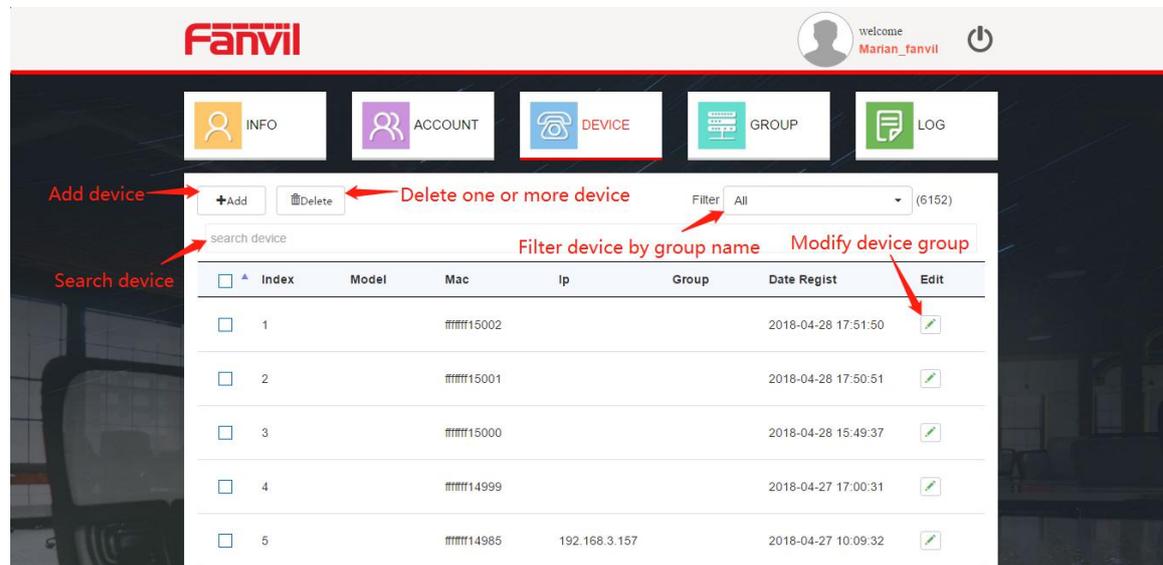


Figure 2-7

➤ Add device

This system provides two ways to add device:

1. Import batch equipment through EXCEL sheets. Users click the Add button in figure 2-7 to enter the Add device page, as shown in figure 2-8. When adding devices, you can select a default group to associate all the devices added this time with the selected group. Select "import", which leads to the template, fill in the equipment information, and then import. After success, the equipment list will display the imported equipment information.
2. Add individual devices. Users click the Add button in figure 2-7 to enter the Add device page, as shown in figure 2-9. When adding devices, you can select a default group to associate all the devices added this time with the selected group. Select "Single", fill in the device information, and click "Done". After success, the added device information will be displayed in the device list.

Note: 1. The template file is same as MAC dispatch template file in 2.2.
 2. The max quantity of Macs import one time is 30000 and takes about 5 minutes.
 Recommending that users do not import the file which has large amount of data, 10000

records is prefer and takes about 5s.

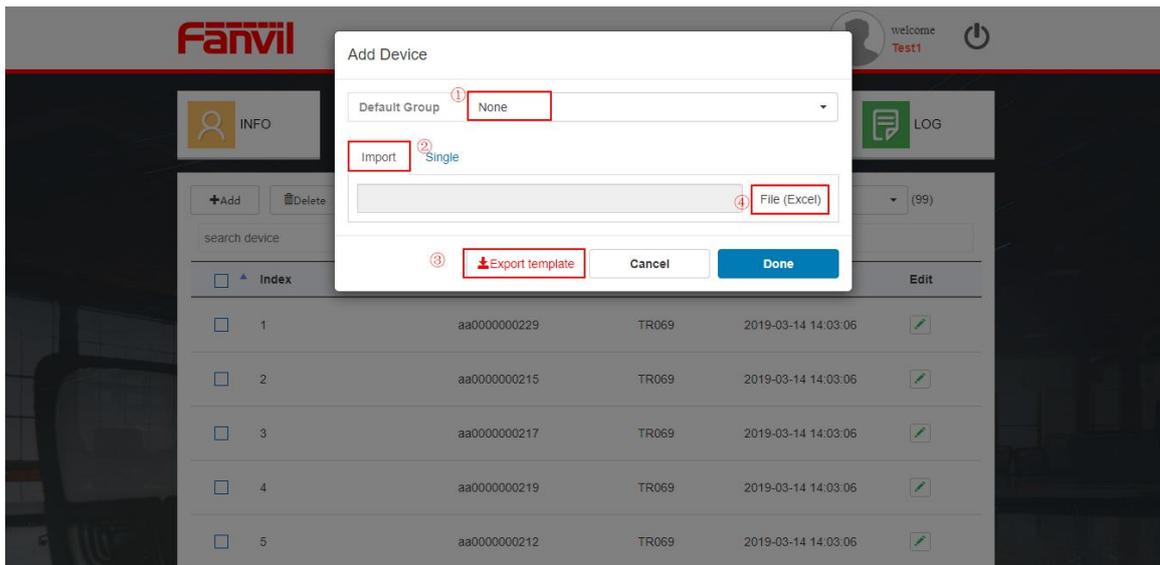


Figure 2-8

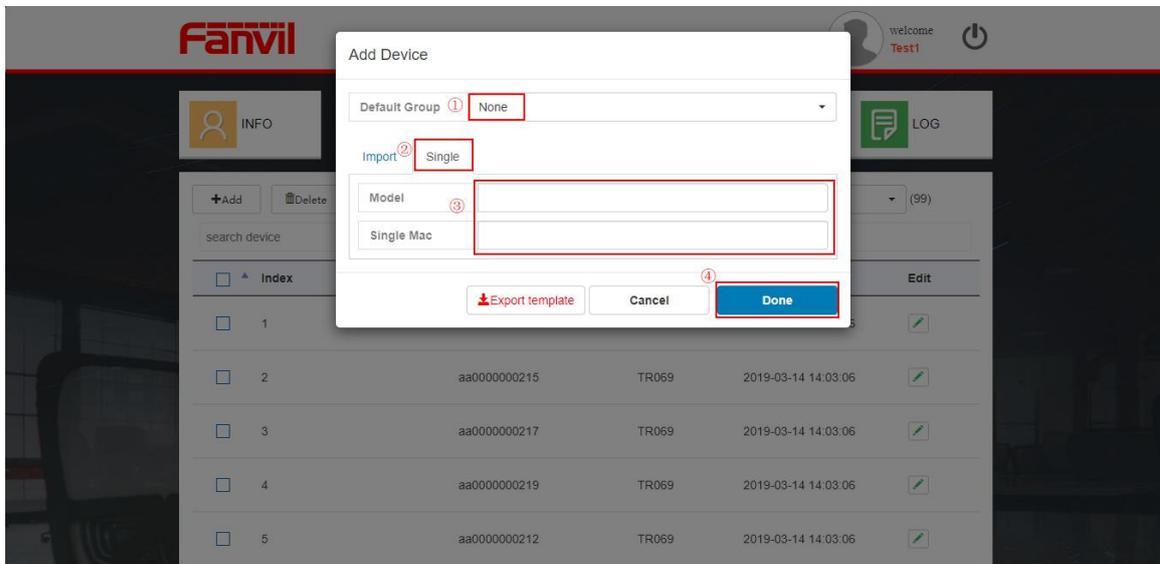


Figure 2-8

➤ **Delete device**

Enter device interface as figure 2-7 shown, check the checkbox which need to delete and click Delete button.

➤ **Query device**

The inputted box with text “search device” in device web page is use to search a device. Input keywords in this box, the related devices will be shown on this page.

➤ **Modify device group**

As shown in figure 2-7, the user can update the device group by Edit button. After clicking the Edit button user enter Edit Device web page as figure 2-10shown. Users can select a new group

and click Done button to complete the change of device group. After modification, the device could get the new group configuration info through the FDPS server.

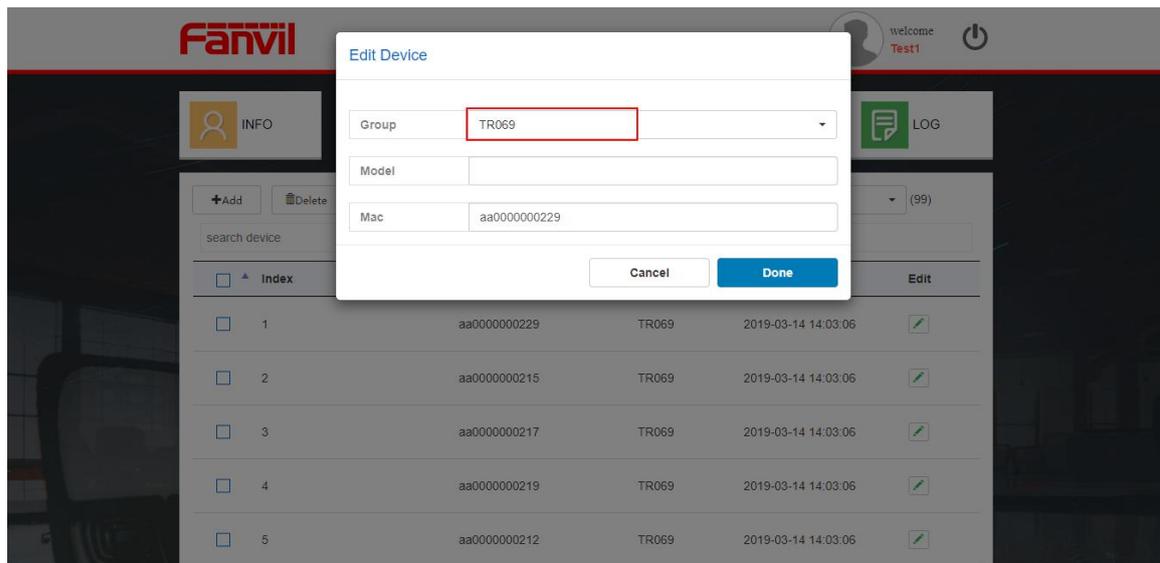


Figure 2-10

➤ **Add device to group in batch**

At the bottom of the DEVICE page, the user is provided with a quick operation button to add multiple devices to the group at once, as shown in figure 2-11. Customers can add up to 50 once device (all equipment on this page) to a group. Select the devices and choose a group, click the Link, add to the group button to add devices to the group in batches.

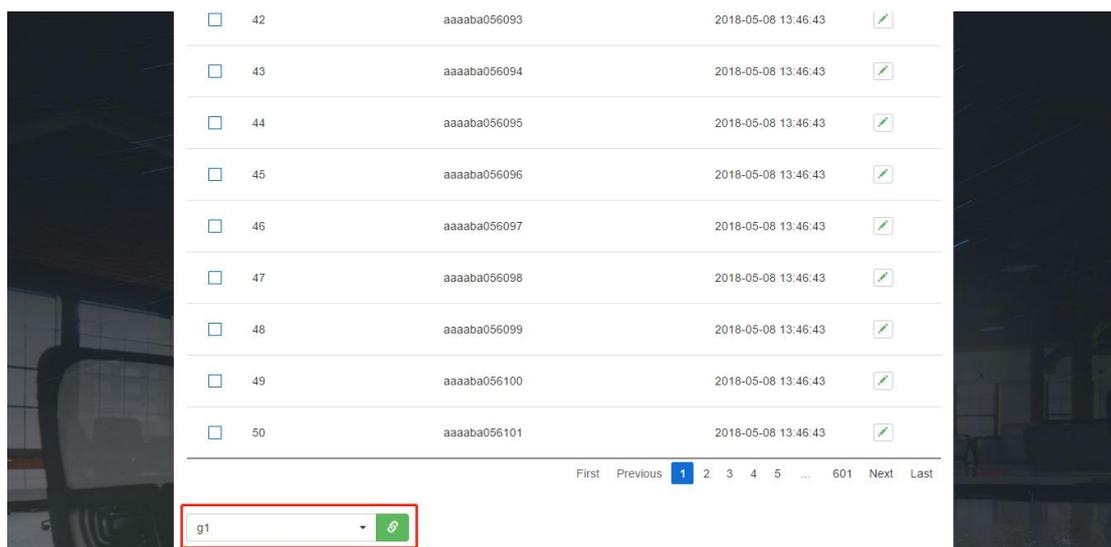


Figure 2-11

2.3.4 Group management

The group is a configuration for auto provision, and the settings of the FDPS system is the same as the configuration settings of the device web page, which means that the FDPS system can be used to configure the auto provision settings of the device by batch. See figure 2-12. When a group is associated, the device sends a request to the FDPS server for the group configuration file, and the server replies to the device configuration info.

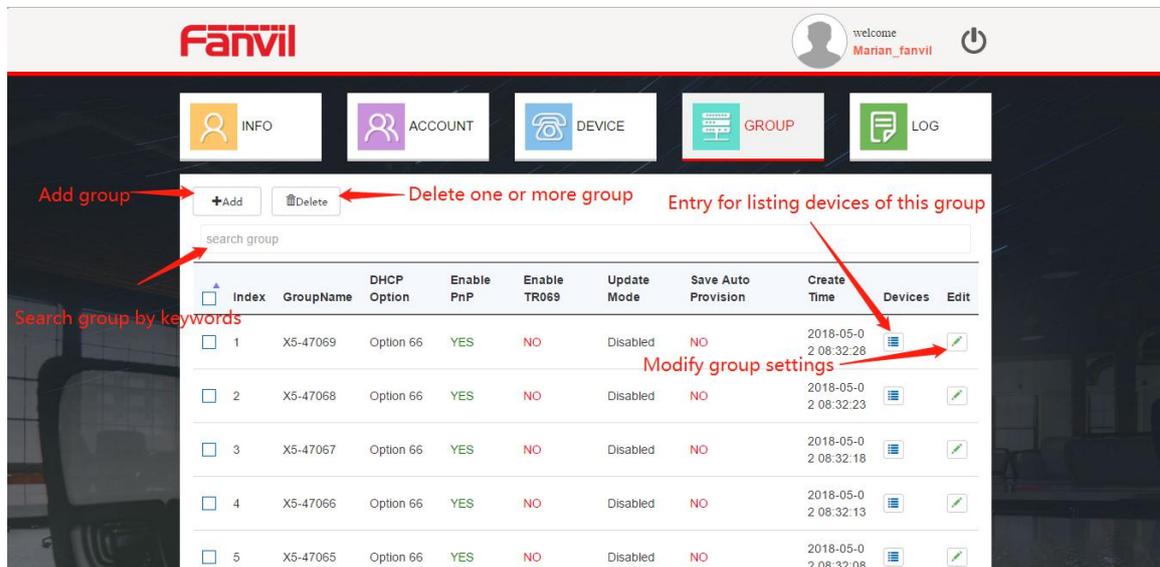


Figure 2-12

➤ Add group

Add a group to the account, click the Add button to enter the group Added interface as shown in figure 2-13. Configure the items on this interface and click Done button is ok.

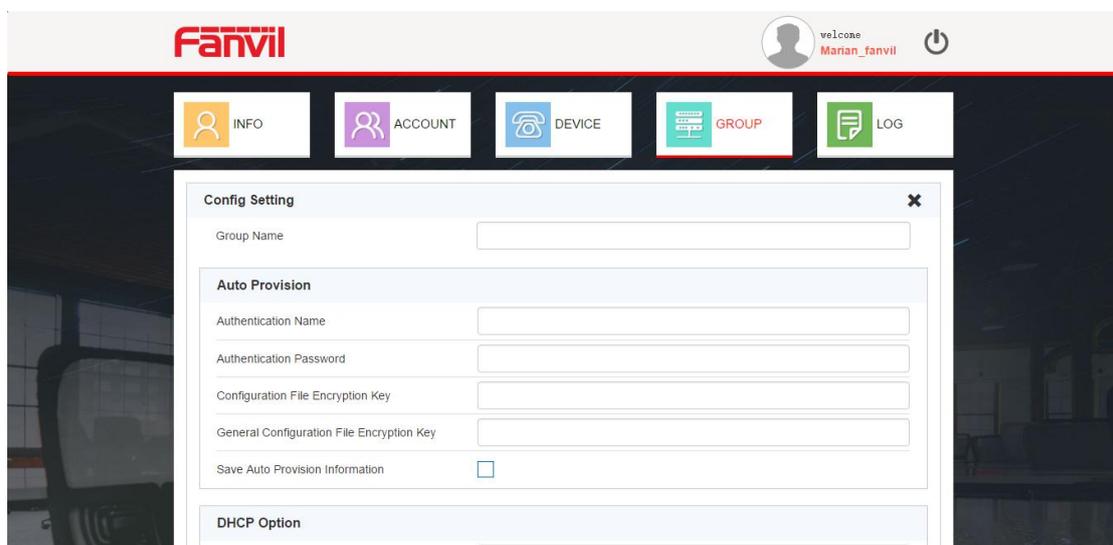


Figure 2-13

➤ **Edit group**

The Edit button in figure 2-12 is the entry to modify group information. Click the Edit button to enter the configuration interface, as shown in figure 2-14. Then user could configure the settings with the new requirements, click Done button on the bottom of the page to complete the modification group configuration.

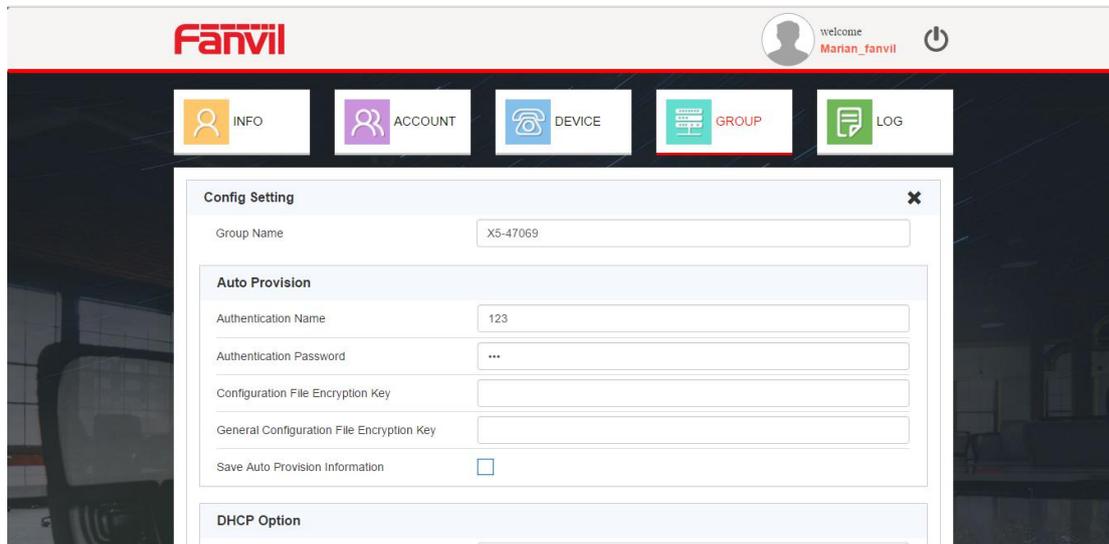


Figure 2-14

➤ **Delete group**

Select one or more group and click Delete button in GROUP webpage as figure 2-12 shown is ok.

➤ **Query group**

As figure 2-12 shown, the inputted box with text “search group” in group web page is use to search a group. Input keywords in this box, the related groups will be shown on this page.

➤ **Query device related one group**

As figure 2-12 shown, click the device button of one group could navigate to device page and enable filter, only the devices which belong to the group will be displayed.

2.3.5 Log management

Agents could through the Log interface to view all operation of this account and the specific execution time. Users can do the operation about log including query logs, download logs (support 10000 logs recently), delete logs, and empty logs. The web interface as shown in figure 2-15.

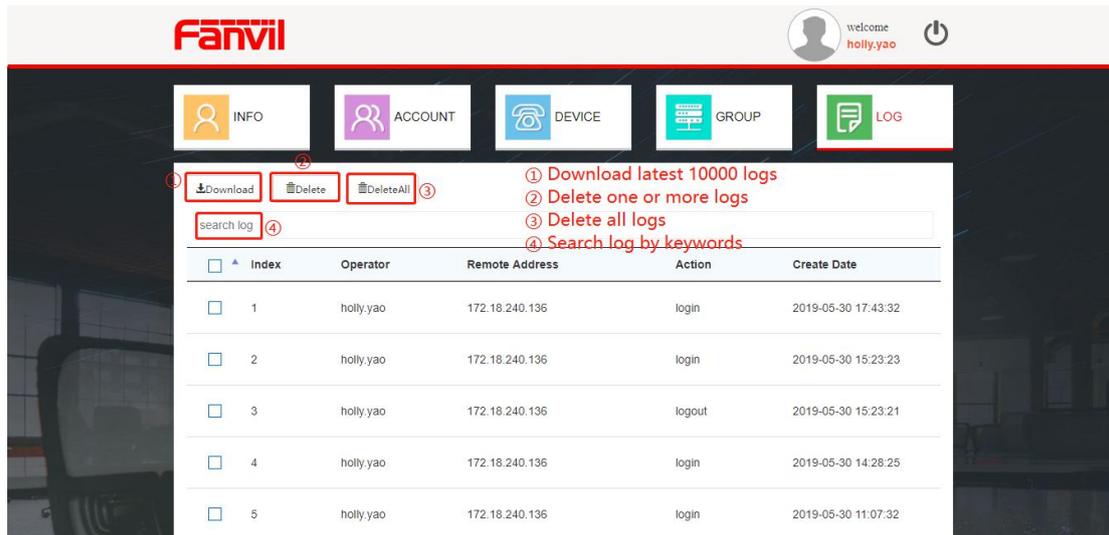


Figure 2-15

2.4 Customer

The Customer account is a sub-account created by an agent account. All Customer accounts under this agent account will also be deleted after the administrator delete an agent account. The customer account has no right to issue the sub-account, and the customer account can only manage the MAC equipment assigned by the parent agent account.

2.4.1 Account info management

As shown in figure 3-1, the home page is INFO page which displayed the account information, including the current sub-account number, the number of devices, the number of groups, the personal information of the account and the personal information and password modification interface.

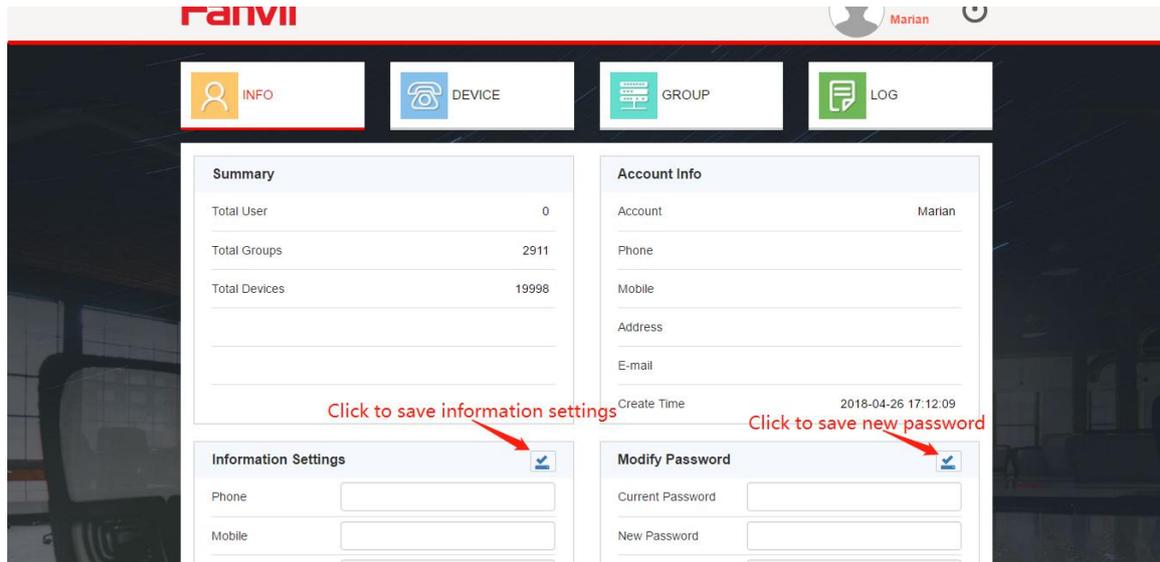


Figure 3-1

➤ **Information and password modify**

As figure 3-2 shown, user can input personal information or password and then click save button to complete modify operation.

2.4.2 Device management

The customer accounts could also register and management device, click DEVICE button to enter device management interface, as figure 3-2 shown.

Note: the valid mac address for customer is the mac which were dispatch by agent.

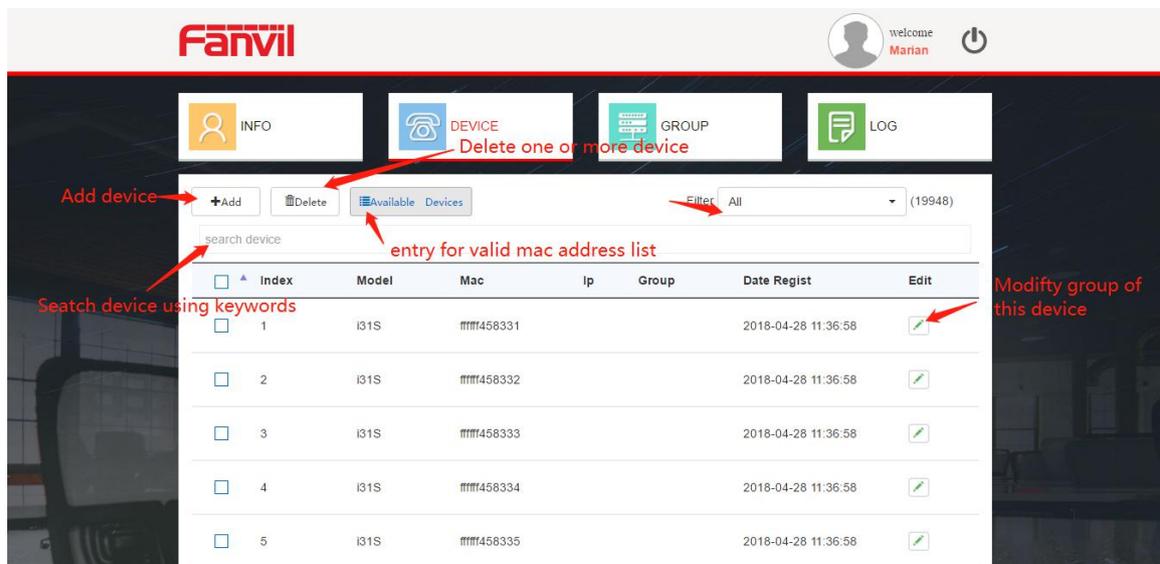


Figure 3-2

➤ **Available Macs management**

As figure 3-2 shown, Available Devices is to navigate valid mac address list. After click this button you will see below webpage and all the available mac address are listing here. Also user could select one or more mac and click Register button to enable management on this account, after register, the devices will display in DEVICE webpage.

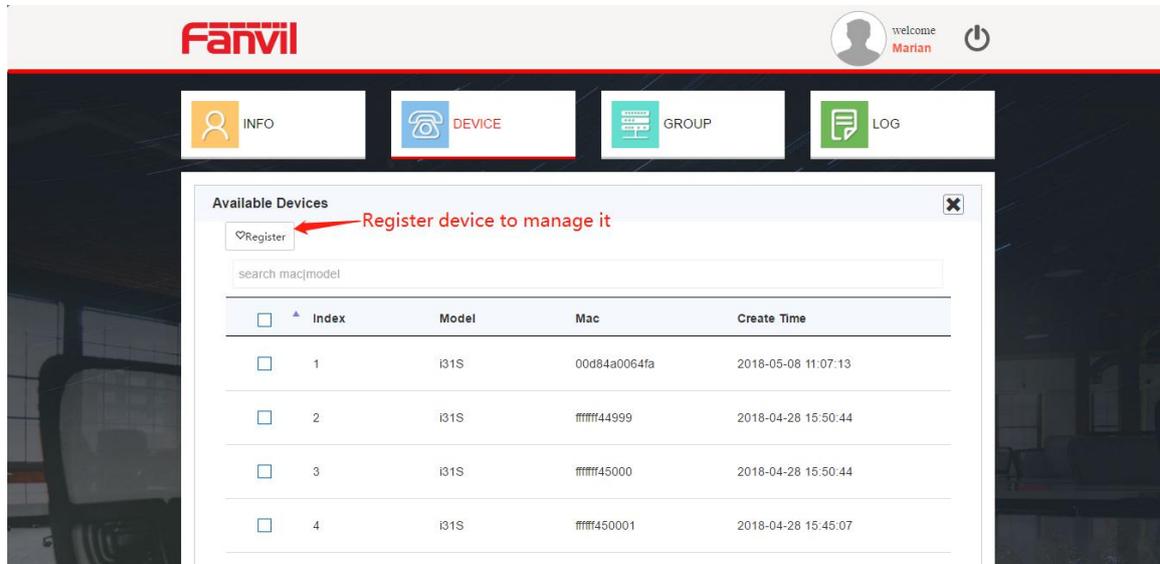


Figure 3-3

➤ Add device

This system provides two ways to add device:

1. Import batch equipment through EXCEL sheets. Users click the Add button in figure 3-2 to enter the Add device page, as shown in figure 3-4. When adding devices, you can select a default group to associate all the devices added this time with the selected group. Select "import", which leads to the template, fill in the equipment information, and then import. After success, the equipment list will display the imported equipment information.
2. Add individual devices. Users click the Add button in figure 3-2 to enter the Add device page, as shown in figure 3-5. When adding devices, you can select a default group to associate all the devices added this time with the selected group. Select "Single", fill in the device information, and click "Done". After success, the added device information will be displayed in the device list.

Note: 1. For security, you need to get the template file from agent.

2. The max quantity of Macs import one time is 30000 and takes about 5 minutes.

Recommending that users do not import the file which has large amount of data, 10000 records is prefer and takes about 5 seconds.

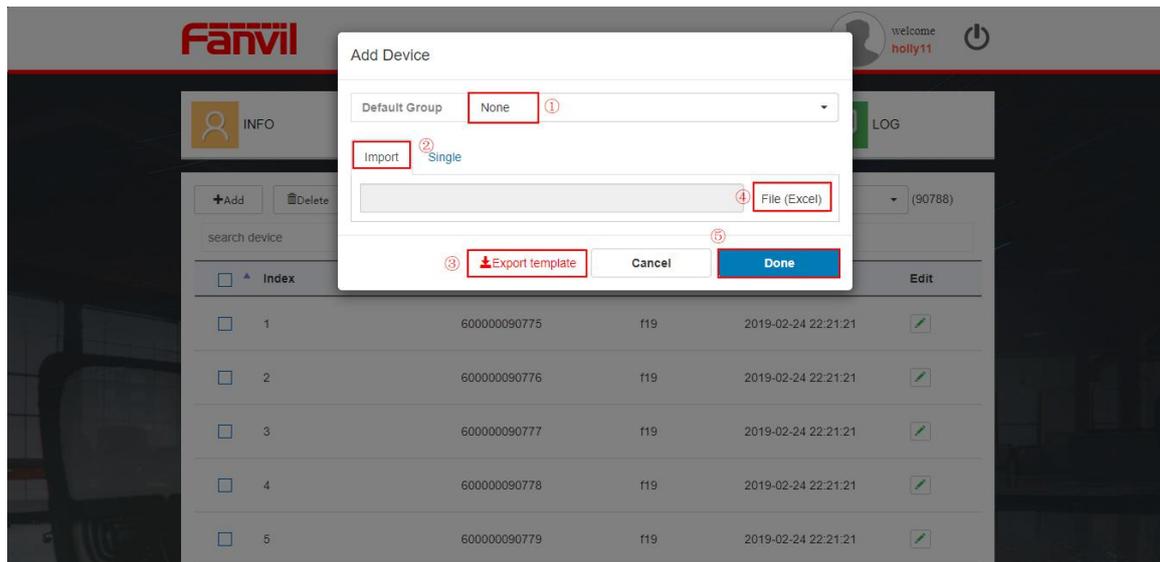


图 3-4

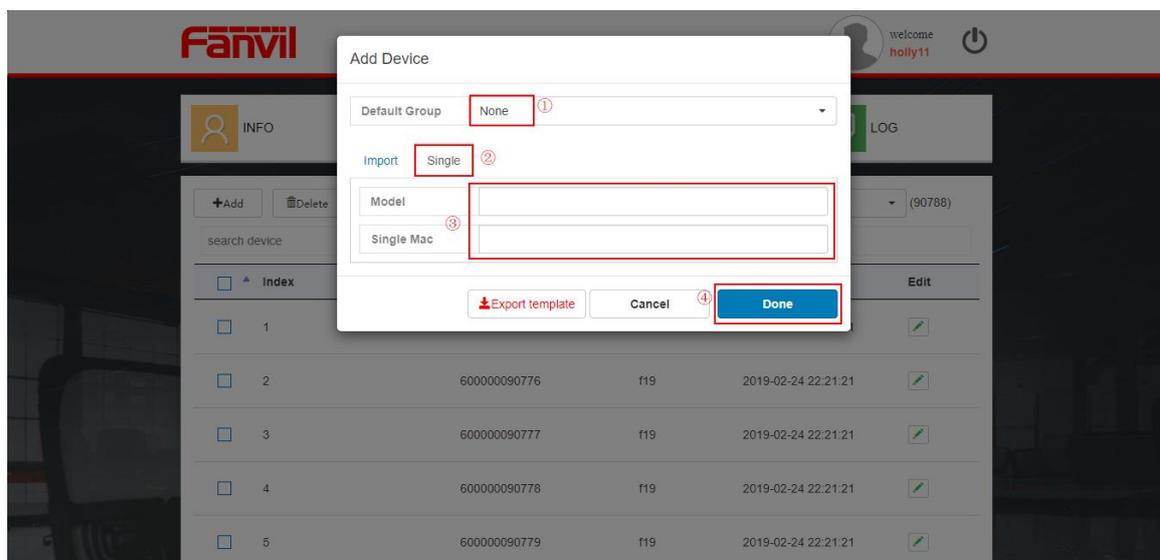


图 3-5

➤ **Delete device**

Enter device interface as figure 3-2 shown, check the checkbox which need to delete and click Delete button.

➤ **Query device**

The inputted box with text “search device” in device web page is use to search a device. Input keywords in this box, the related devices will be shown on this page.

➤ **Modify device group**

As shown in figure 3-2, the user can update the device group by Edit button. After clicking the Edit button user enter Edit Device web page as figure 3-6 shown. Users can select a new group and click Done button to complete the change of device group. After modification, the device

could get the new group configuration info through the FDPS server.

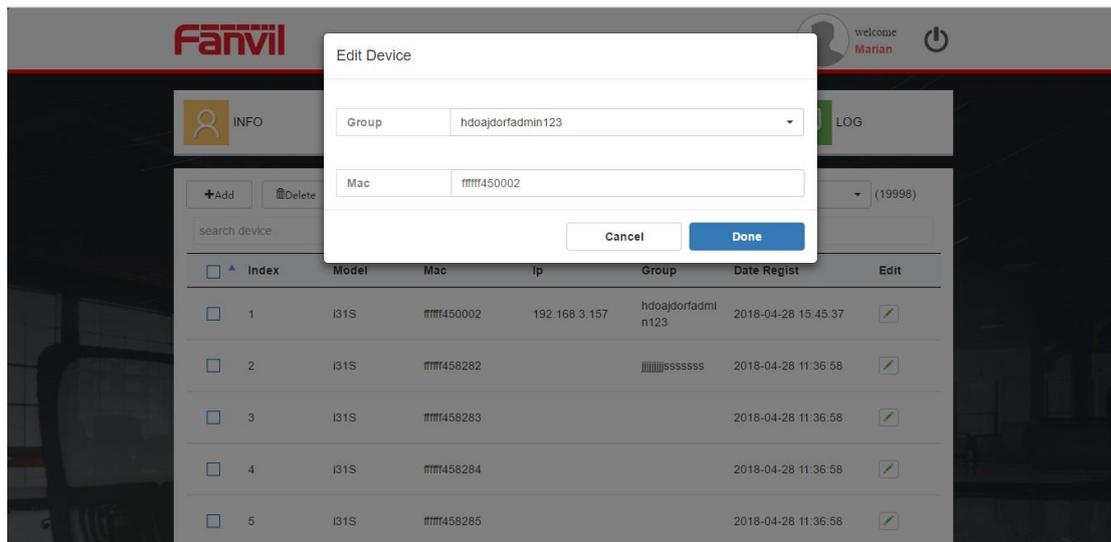


Figure 3-6

➤ **Add device to group by batch**

At the bottom of the DEVICE page, the user is provided with a quick operation button to add multiple devices to the group at once, as shown in figure 3-7. Customers can add up to 50 once device (all equipment on this page) to a group. Select the devices and choose a group, click the Link, add to the group button as figure 3-7 shown is ok.

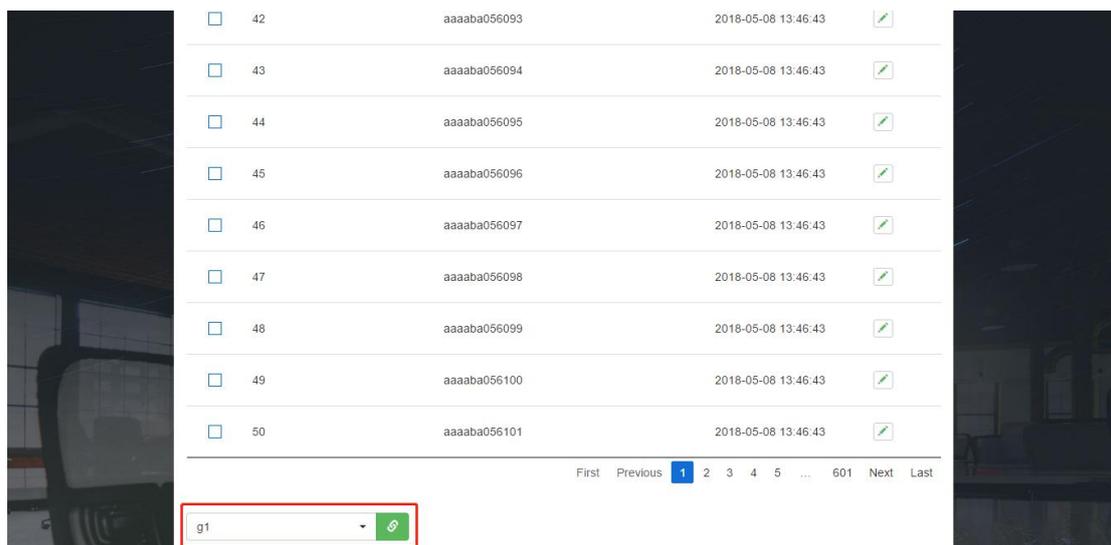


Figure 3-7

2.4.3 Group management

The group is a configuration for auto provision, and the settings of the FDPS system is the same

as the configuration settings of the device web page, which means that the FDPS system can be used to configure the auto provision settings of the device by batch. See figure 3-8. When a group is associated, the device sends a request to the FDPS server for the group configuration file, and the server replies to the device configuration info.

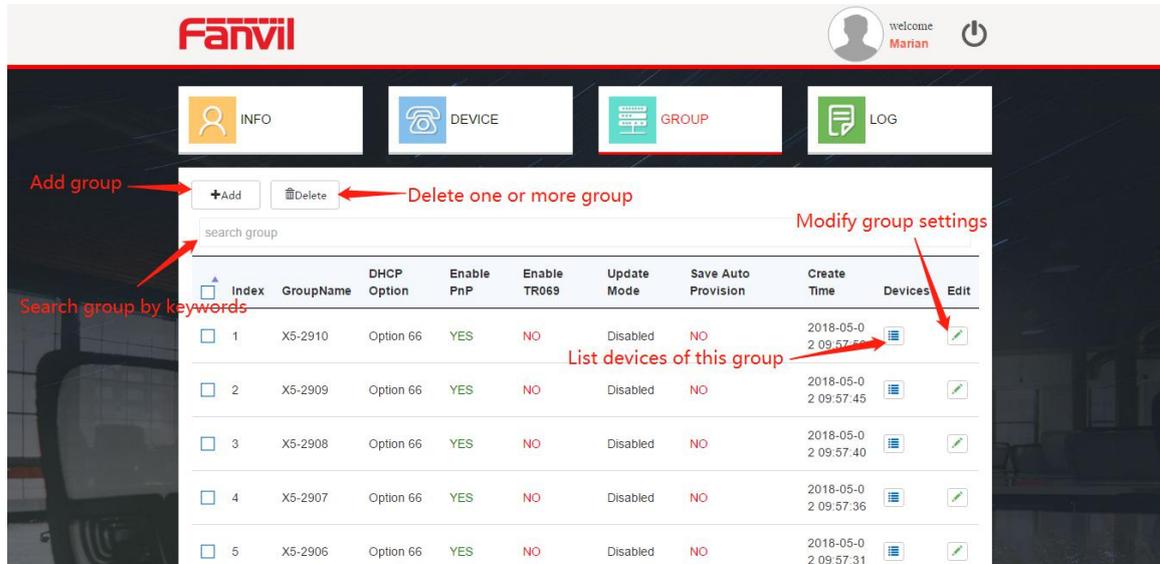


Figure 3-8

➤ **Add group**

Add a group to the account, click the Add button to enter the group Added interface as shown in figure 3-9. Configure the items on this interface and click Done button is ok.

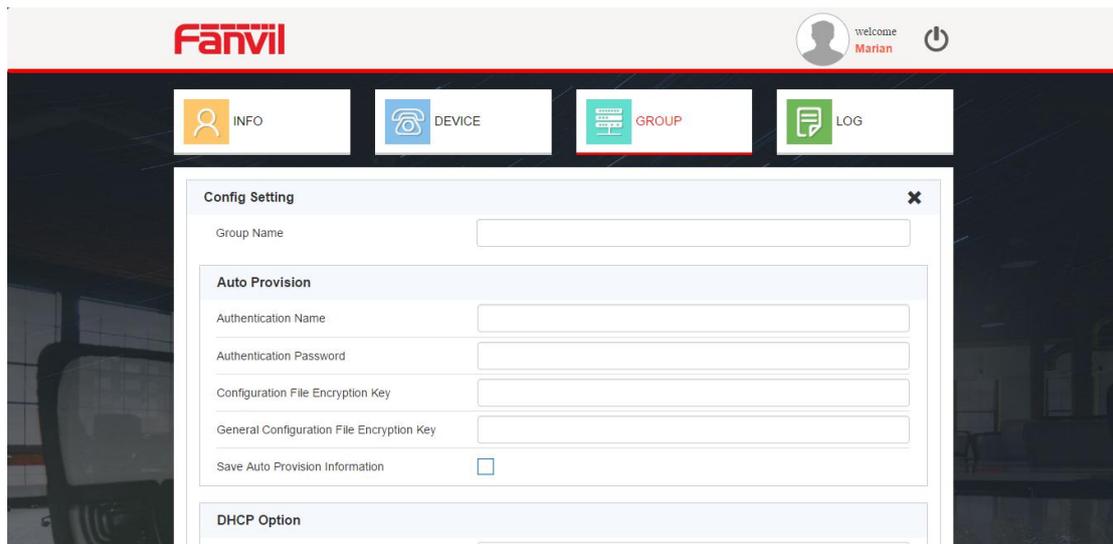


Figure 3-9

➤ **Edit group**

The Edit button in figure 3-8 is the entry to modify group information. Click the Edit button to enter the configuration interface, as shown in figure 3-10. Then user could configure the settings

with the new requirements, click Done button on the bottom of the page to complete the modification group configuration.

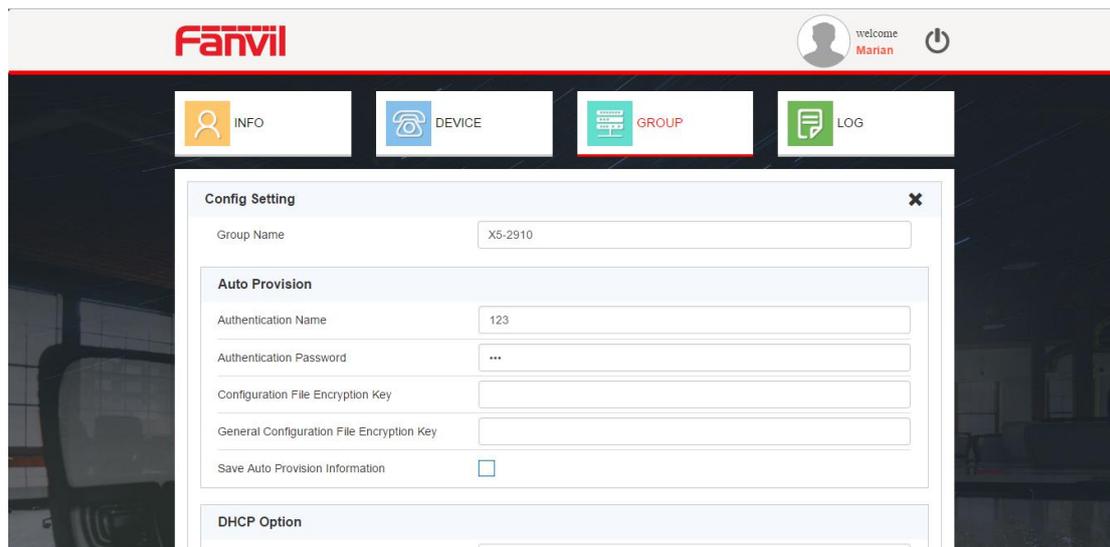


Figure 3-10

➤ **Delete group**

Select one or more group and click Delete button in GROUP webpage as figure 3-8 shown is ok.

➤ **Query group**

As figure 3-8 shown, the inputted box with text “search group” in group web page is use to search a group. Input keywords in this box, the related groups will be shown on this page.

➤ **Query device related one group**

As figure 3-8 shown, click the device button of one group could navigate to device page and enable filter, only the devices which belong to the group will be displayed.

2.4.4 Log management

Customer could through the Log interface to view all operation of this account and the specific execution time. Users can do the operation about log including query logs, download logs (support 10000 logs recently), delete logs, and empty logs. The web interface as shown in figure 3-11.

The screenshot shows the Fanvil web interface. At the top, there is a navigation bar with the Fanvil logo and a user profile for 'holly1'. Below this are four main menu items: INFO, DEVICE, GROUP, and LOG. The LOG section is active, displaying a list of log entries. Above the table, there are three buttons: 'Download' (labeled 1), 'Delete' (labeled 2), and 'DeleteAll' (labeled 3). Below these buttons is a search input field labeled 'search log' (labeled 4). To the right of the search field, there are four numbered callouts: 1. Download latest 10000 logs, 2. Delete one or more logs, 3. Delete all logs, and 4. Search log by keywords.

<input type="checkbox"/>	Index	Operator	Remote Address	Action	Create Date
<input type="checkbox"/>	1	holly1	172.18.240.136	login	2019-05-30 17:59:38
<input type="checkbox"/>	2	holly1	172.18.240.136	logout	2019-05-29 17:06:05
<input type="checkbox"/>	3	holly1	172.18.240.136	login	2019-05-29 16:33:50
<input type="checkbox"/>	4	holly1	172.18.240.136	login	2019-05-29 15:33:18
<input type="checkbox"/>	5	holly1	172.18.240.136	login	2019-05-29 14:52:24

图 3-11

3 Attention

- For a MAC address, the system restrict that only one account could register and management it, which means no matter when only one person at most could management a device.
- The MAC address that has been registered by the agent can no longer be assigned to the sub-account.
- The agent can only assign the same set of MAC addresses to one sub-account..
- When the device was uploaded to an account DEVICE list and was connected to the FDPS server, the server will send the current group configuration info to the device, so that configuration by batch function can be completed.
- The device which is removed from the DEVICE list by administrator, needs to be re-uploaded to system on an account if you want to manage again.
- In an administrator account, we set owner as “customer” to mark the device which was managed by customer.