Yealink Device Management Platform Quick Start Guide

Applies to version 3.5.0.10 or later

Overview

Yealink Device Management Platform (YDMP) allows administrators to realize centralized management for Yealink IP phones, Skype for Business HD T4XS IP phones, video conferencing systems, MVC series and others in the same enterprise.

Getting Started

Hardware and Software Requirements

Linux operating system: CentOS 7.5.

Device Quantity	CPU	RAM	Hard Drive
0~6000	8-core	16G	There should be at least 200G partition used for installing the device management platform, and the capacity of the hard drive increases by 30G with every 1000 devices added.
6000~15000	16-core	32G	
15000~30000	32-core	64G	

Port Requirements

You need open five ports for YDMP: 443, 8446, 9989, 9090, and 80. We do not recommend that you modify those ports.

Upgrading YDMP

Before you begin

- Your hardware, software and ports should meet the requirements.
- Obtain the latest installation package of YDMP from the Yealink distributor or SE and then save it at the path /usr/local.

Note: 1. If the current version is 2.0, you need to upgrade it to V3.1 first (example A) and then upgrade V3.1 to the latest version (example B). However, if the current version is 3.1 or later, you can upgrade it to the latest version directly (example B).
2. After upgrading YDMP, you must import the lastest parameter configuration file (See page5).

Example A: upgrading YDMP from V2.0.0.14 to V3.1.0.13.

Procedure

1. Log into CentOS as the root user and open the terminal.
2. Run the commend below
   cd /usr/local
   tar -zxf DM_3.1.0.13.tar.gz
   cd yealink_install&& tar -zxf install.tar.gz
   ./upgrade_v2_to_v3.sh
3. According to the prompts, enter 1 (1 means updating).
4. According to the prompts, enter the server IP address and then enter Y to confirm the IP address.

YDMP will be upgrated to the corresponding version if it is upgrated successfully.

For more information, refer to the administrator guide.

Example B: upgrading YDMP from V3.1.0.13 to V3.4.0.10, with the server IP address as 10.2.62.12.

Procedure

1. Log into CentOS as the root user and open the terminal.
2. Run the commend below:
   cd /usr/local
   rm -rf yealink_install
   tar -xvzf DM_3.4.0.10.tar.gz
   cd yealink_install&& tar -xvzf install.tar.gz
   ./install -m upgrade
3. Select A as the upgrading method and enter 10.2.62.12.

YDMP will be updatgrated to the corresponding version if it is upgraded successfully.

Installing YDMP

Before you begin

- One device running CentOS.
- Your hardware, software and ports should meet the requirements.
- Obtain the latest installation package of YDMP from the Yealink distributor or SE and then save it at the path /usr/local.

The following is an example of installing V3.1.0.13, with the server IP address 10.2.62.12.

Procedure

1. Log into CentOS as the root user and open the terminal.
2. Run the command below:
   cd /usr/local
   tar -zxf DM_3.1.0.13.tar.gz
   cd yealink_install&& tar -zxf install.tar.gz
   ./install --host 10.2.62.12
3. Select A as the installation method. ##This is the single NIC deployment, for more information, refer to the administrator guide.

Note: When you install YDMP in version V3.3.0.0 or later for the first time, if your hardware does not meet the basic requirements for installing

Logging into YDMP

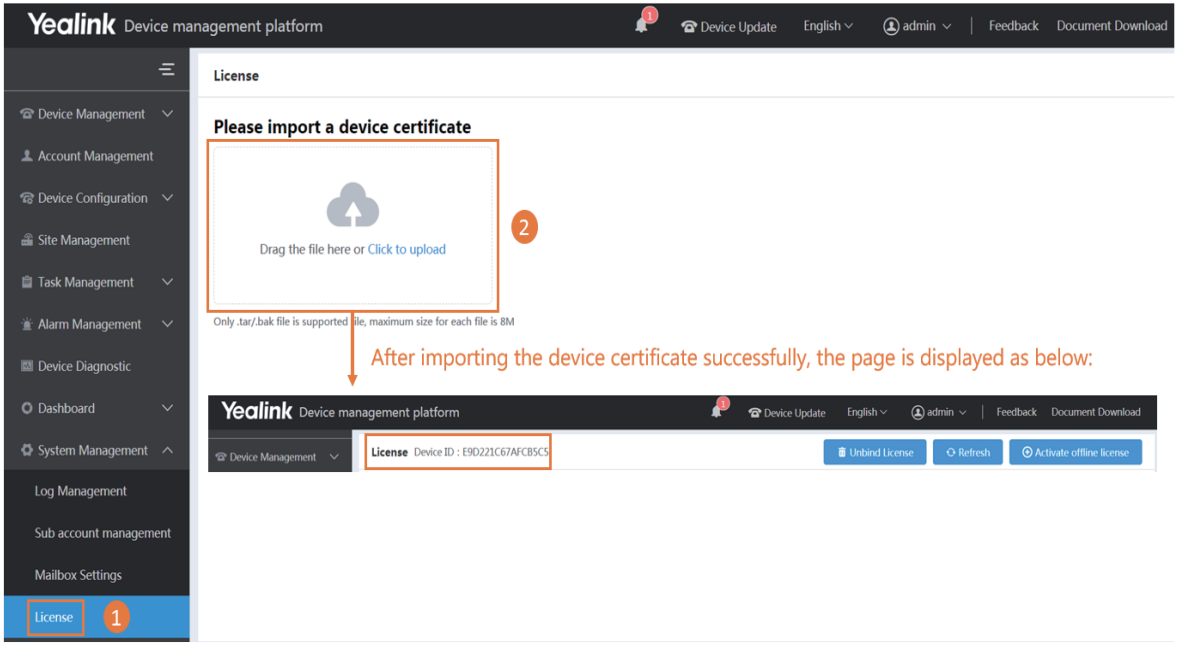
1. Open a web browser.
2. Enter **https://<IP address>/** (for example: https://10.2.62.12/) in the address box.
3. Optional: select a desired language.
4. Enter your username (default: admin) and the password (default: v123456789), and click **Login**.
5. If it is the first time you log into the platform, the system will remind you to change the password. After that, you can go to the Home page of YDMP.

Activating the License

After activating the license, you can manage your devices via YDMP.

Step1: Importing the Device Certificate

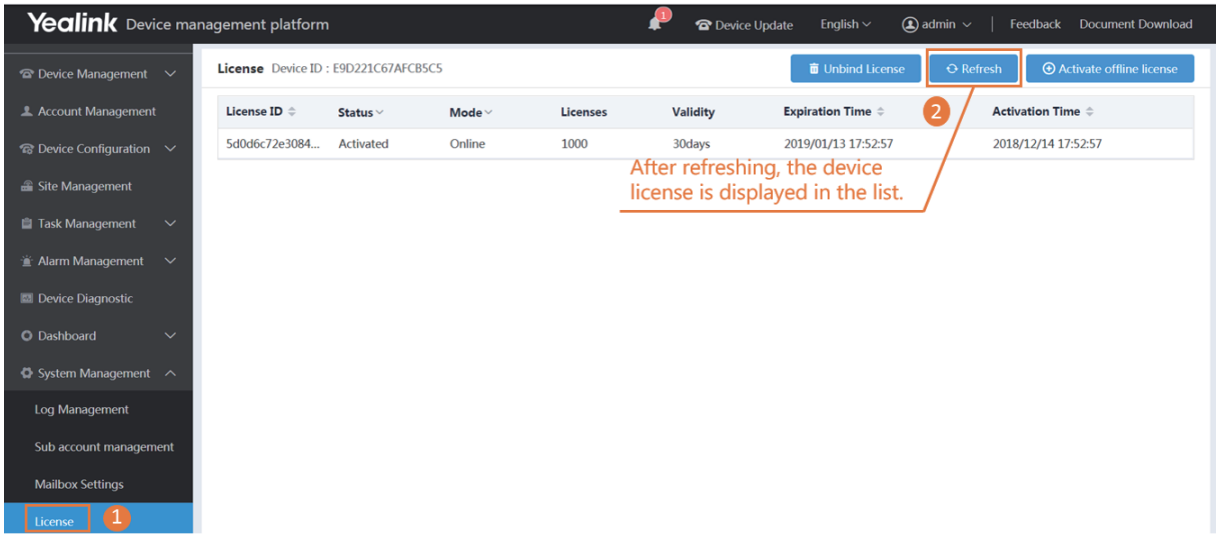
1. Obtain the device certificate from your service provider by submitting the company name, the distributor name and the country.
2. Follow the instructions in the picture below to upload the certificate.



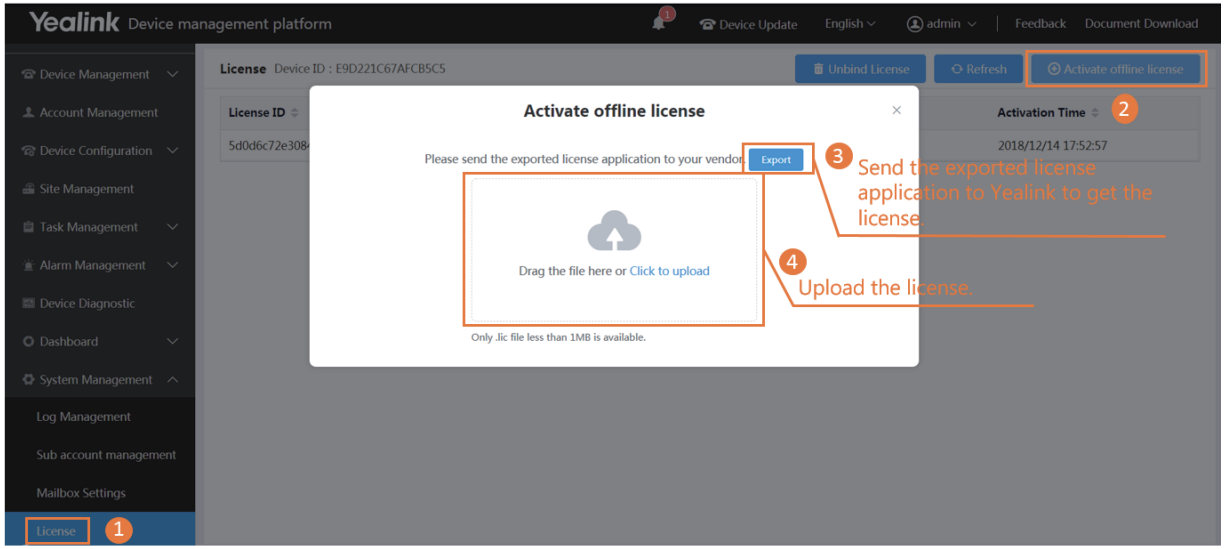
Step2: Activating the License

1. You need purchase the corresponding service and obtain the authorization for the device management.
2. If the server can access the public network, you can activate the license online. Otherwise, you can activate the license offline.

※ Online



※ Offline



Importing the Lastest Parameter Configuration File

If your YDMP is upgraded from a lower version, you must import the lastest parameter configuration file. Otherwise, you cannot use some device models. You can update the configuration by downloading the latest configuration file from Yealink official website. If the configuration is updated, the parameters in the template will be updated synchronously. You can download the latest configuration file from http://support.yealink.com/documentFront/forwardToDocumentDetailPage?documentId=243

Deploying the SIP Device

1. Connect the device to the network.
2. The device and the server perform mutual TLS authentication using default certificates.
3. Obtain the server address:

- With a running provisioning server, you need to configure the corresponding Common.cfg file (for example, <y0000000000xx>.cfg).

  In the corresponding Common.cfg file, do the following:

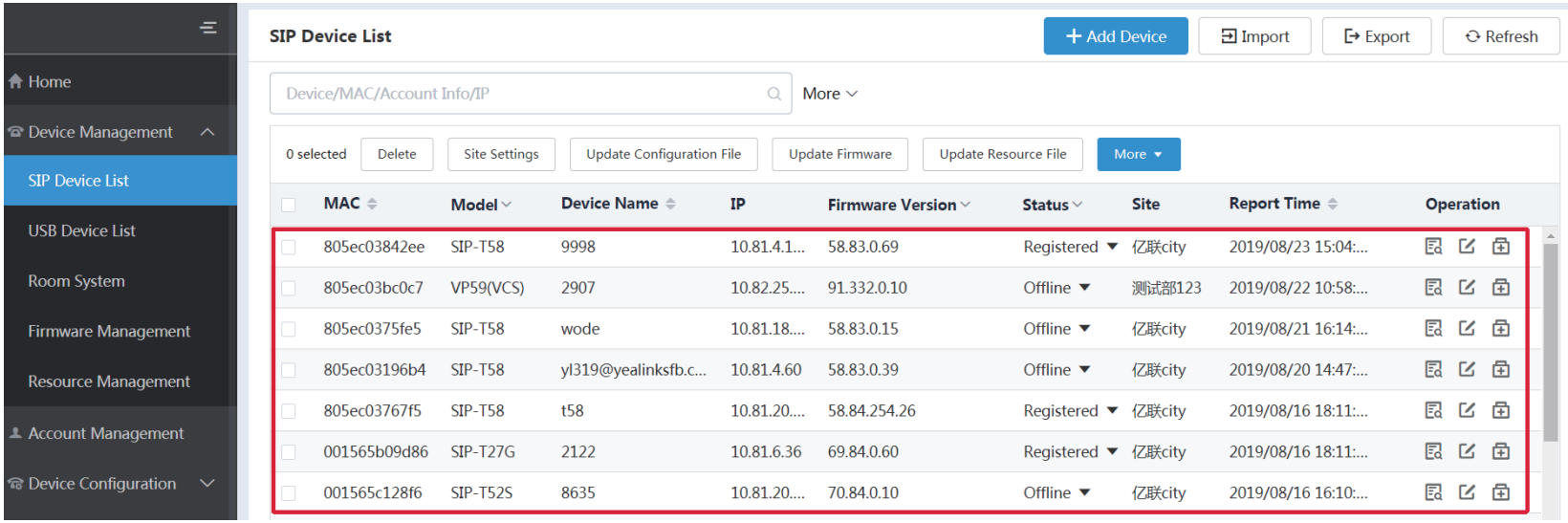
  ① If the firmware does not support YMDP, you need configure the parameters.

  ② Configure the provisioning URL to connect the device to YDMP.

- Without a runing provisioning server, you can obtain the server address via the DHCP option 66, 43, 160 or 161.

  The DHCP option value must meet this format: https://<IP address>/dm.cfg (for example: https://10.2.62.12/dm.cfg).

After you finish the deployment, the device will be connected to YDMP and be displayed in the Device List.



Deploying the MVC Series

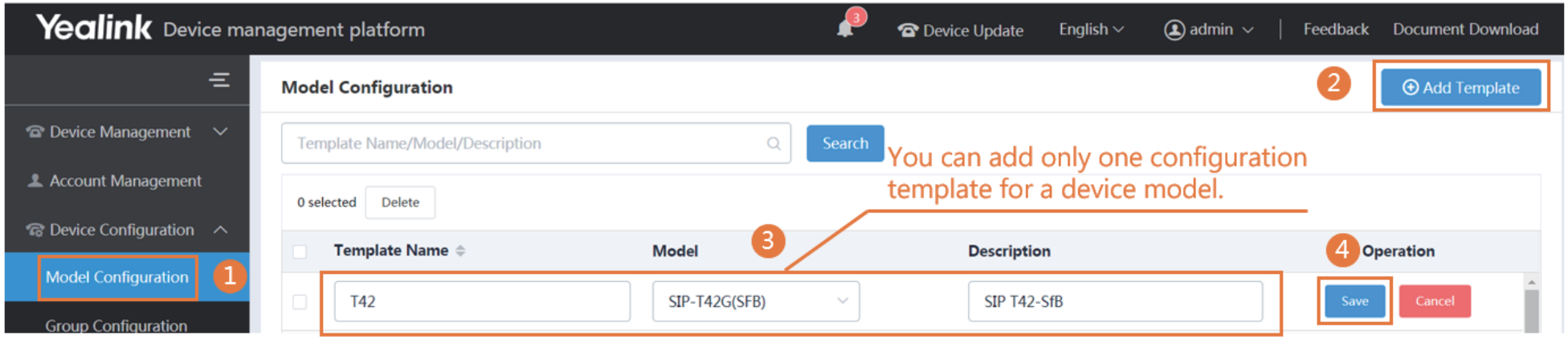
On your MTouch, open Yealink Room Connect, go to **Remote Management**, and configure the related parameters. After that, the MVC series will be connected to YDMP automatically.

Deploying the USB Devices

Open USB Device Manager client, go to **Config DM Server**, and complete the corresponding configuration. The USB Device will be connected to the device management platform automatically.

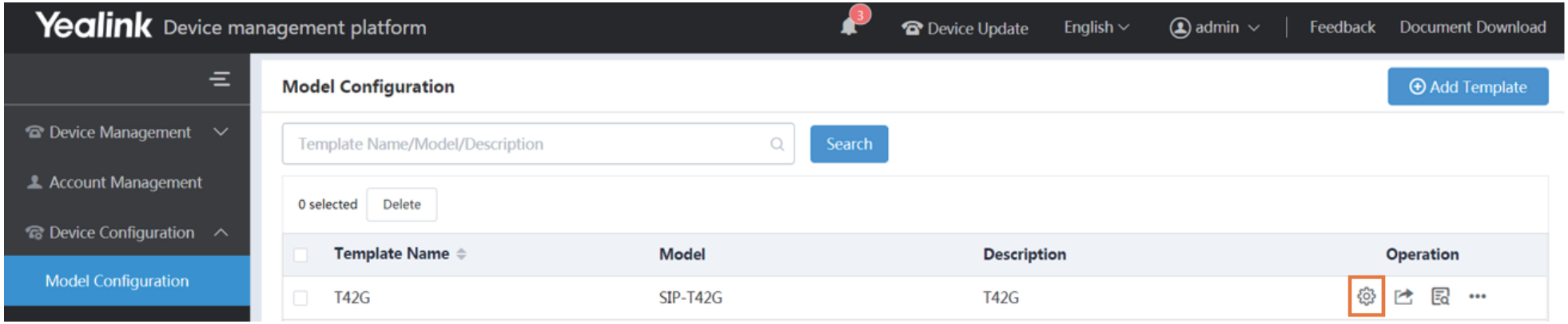
Managing the Configuration

※ Adding the Configuration Template

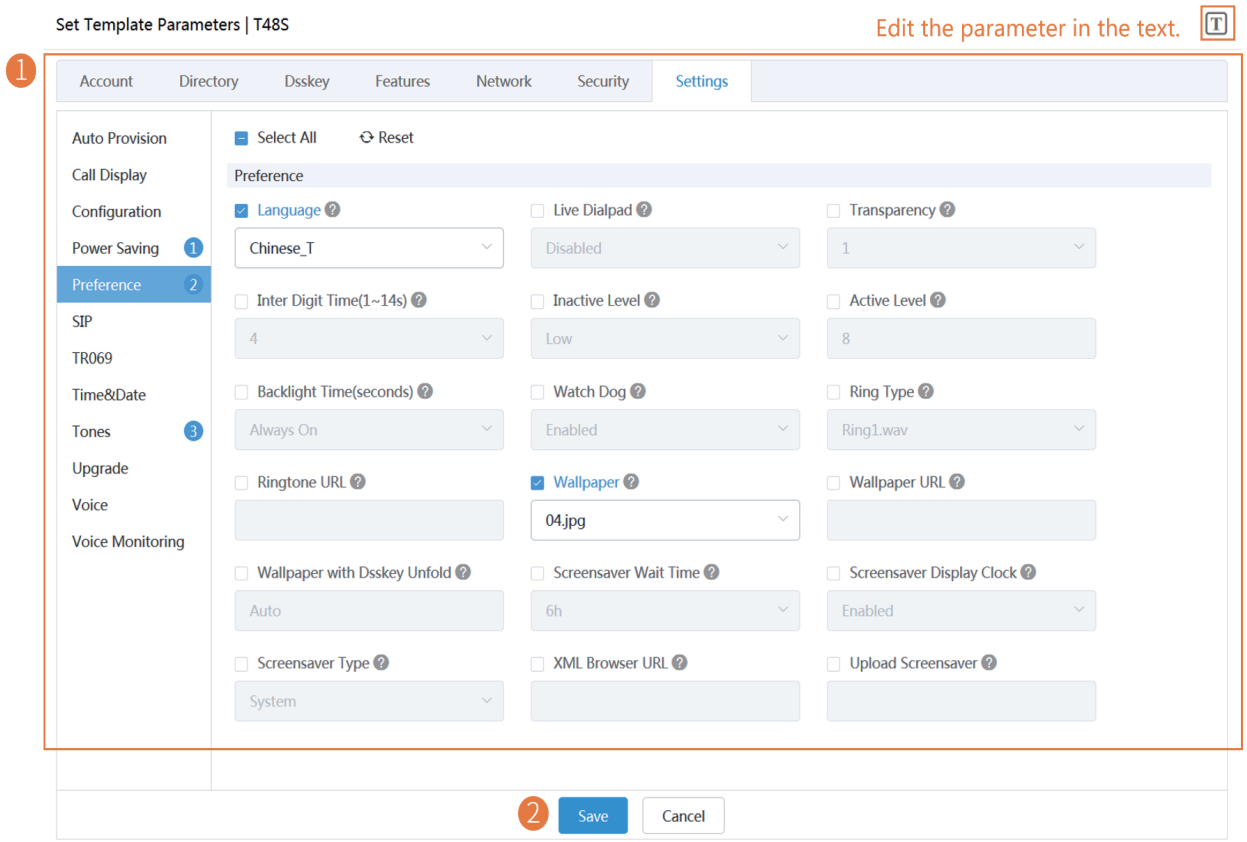


※ Configuring and Updating the Parameter to the Device

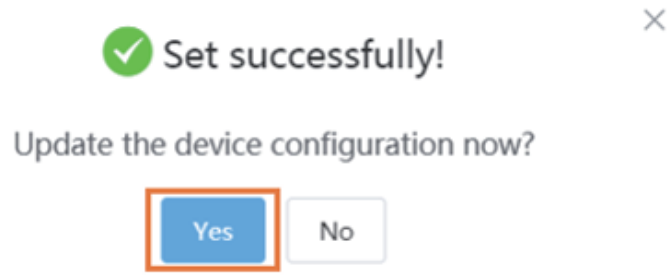
Step 1: click ⚙ to go to the Set Template Parameters page.



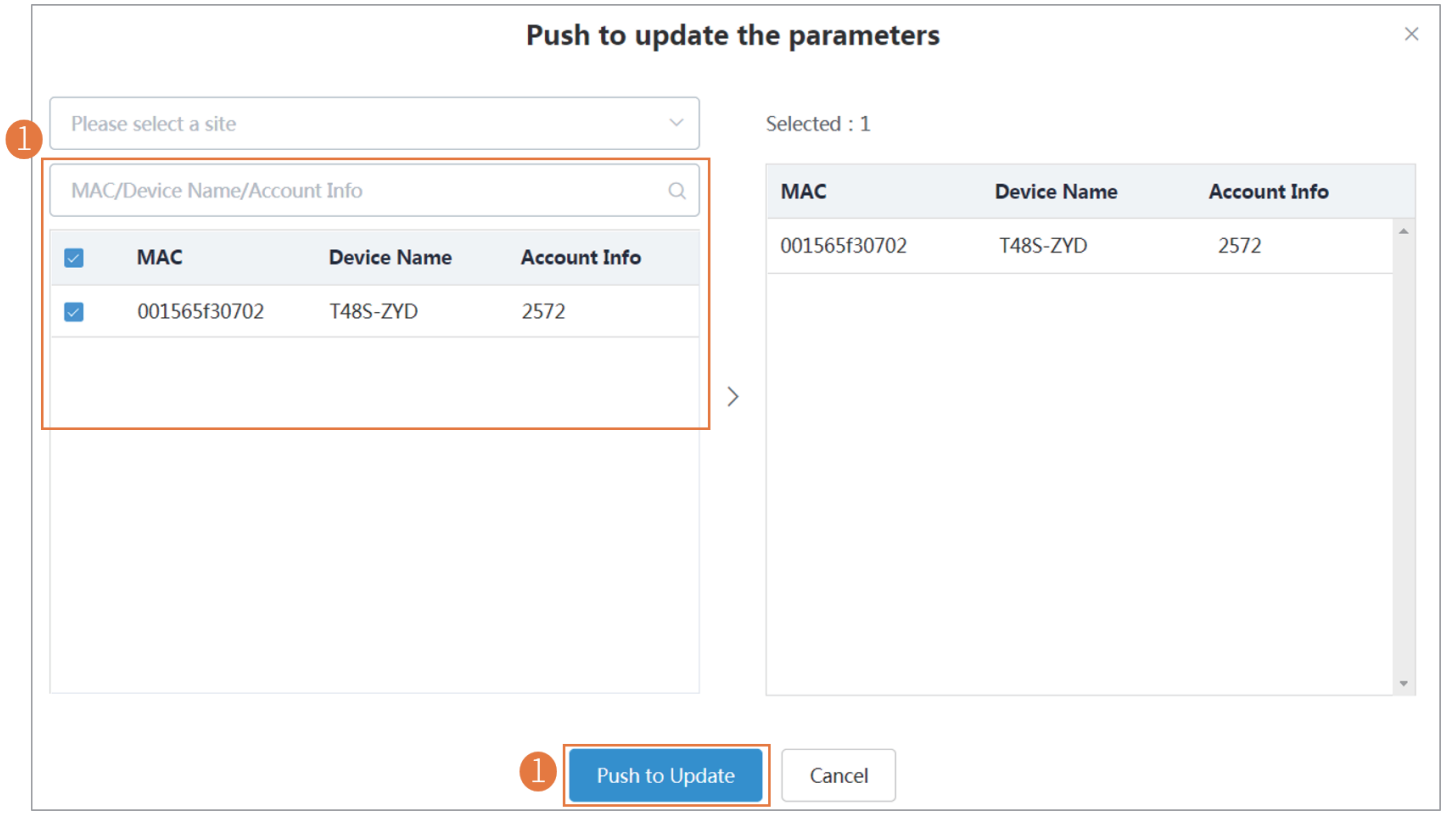
Step 2: Configure the parameters.



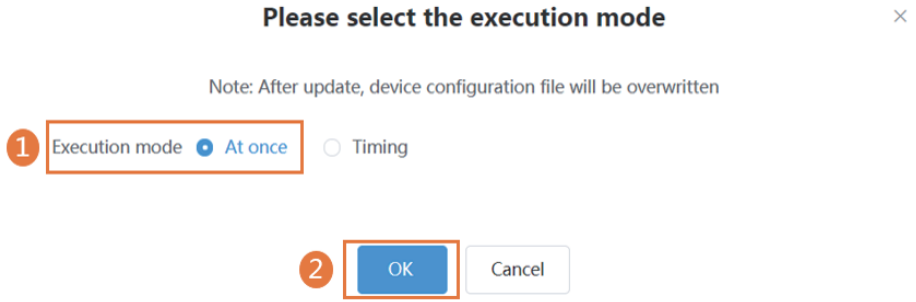
Step3: Update the device configuration file immediately.



Step 4: Push the parameters to update it.

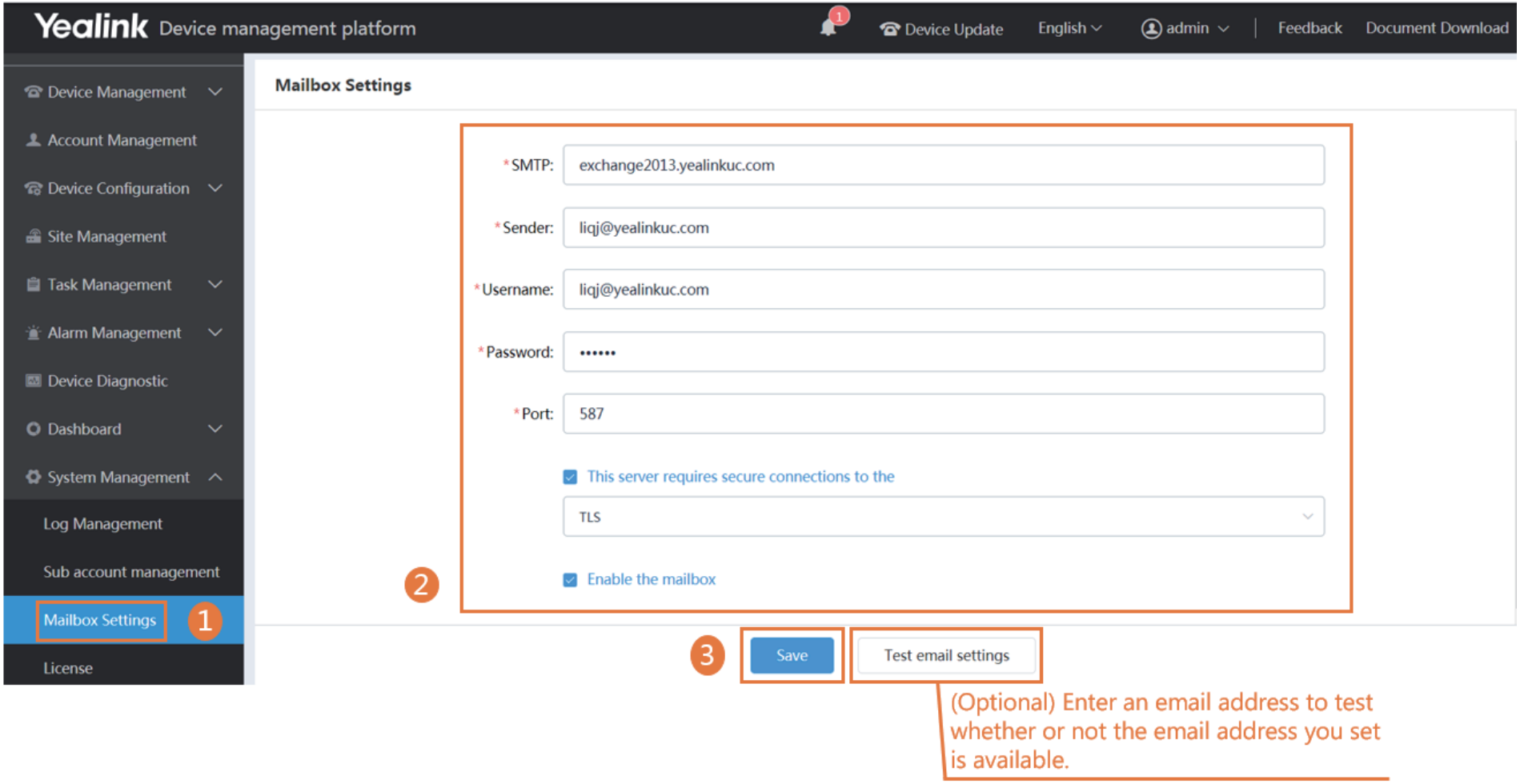


Step 5: Select the execution mode.



Setting the SMTP Mailbox

SMTP mailbox can be used to send the related information to the users or the administrators, such as the alarm and the account information.



Managing the Alarm

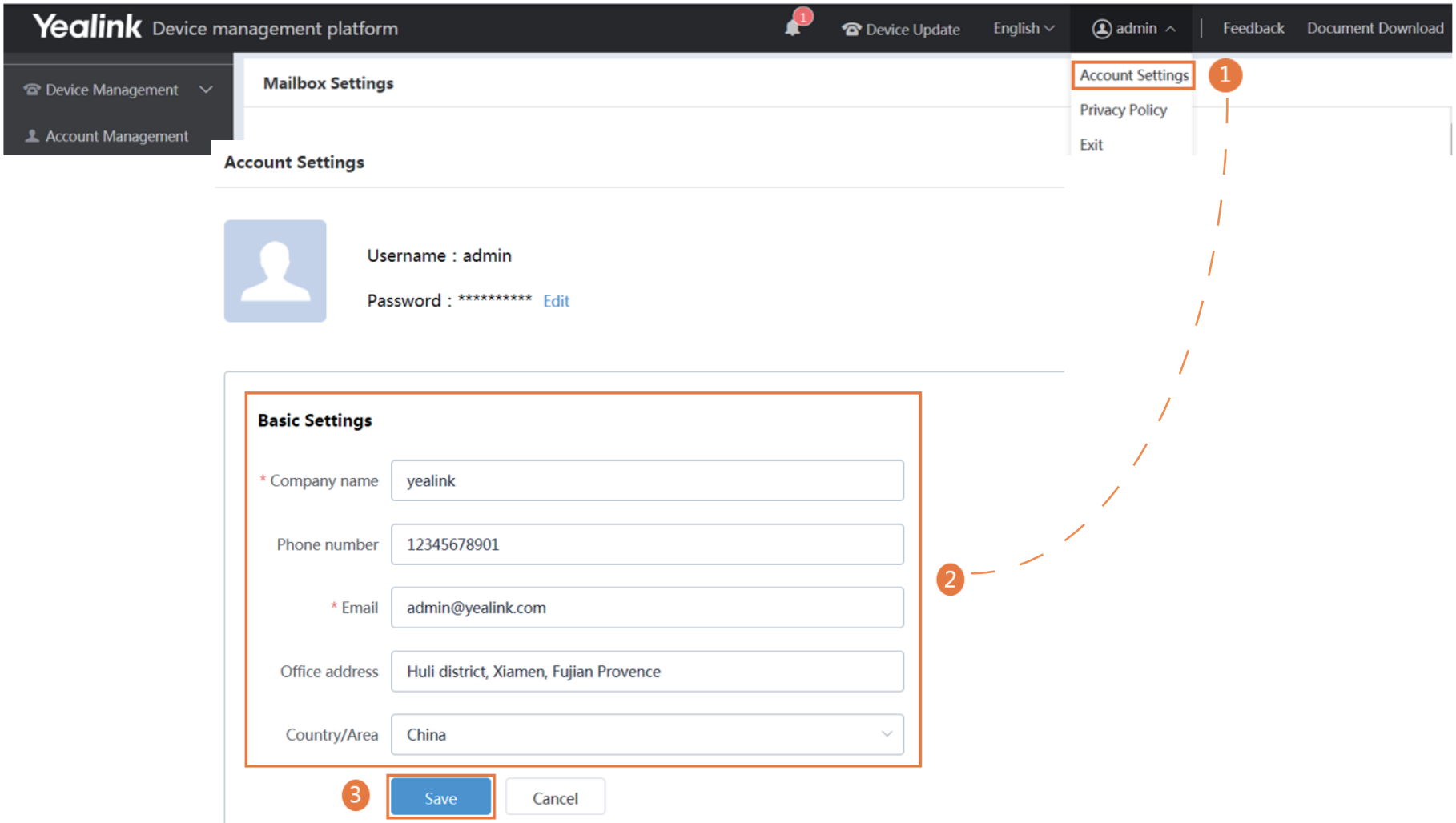
When the devices are abnormal, they will send alarms to the platform. You can solve the problem by managing the alarms.

Before you begin

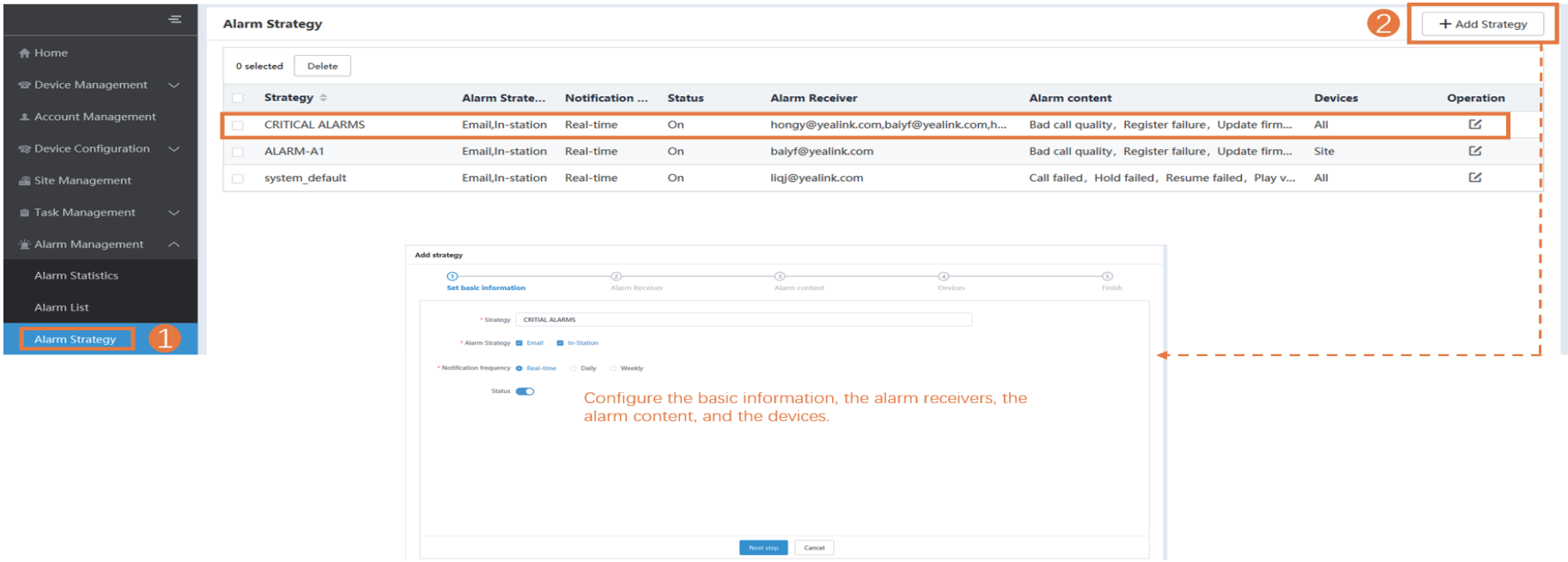
You set the SMTP mailbox (on page 9).

※ Editing the Mailbox

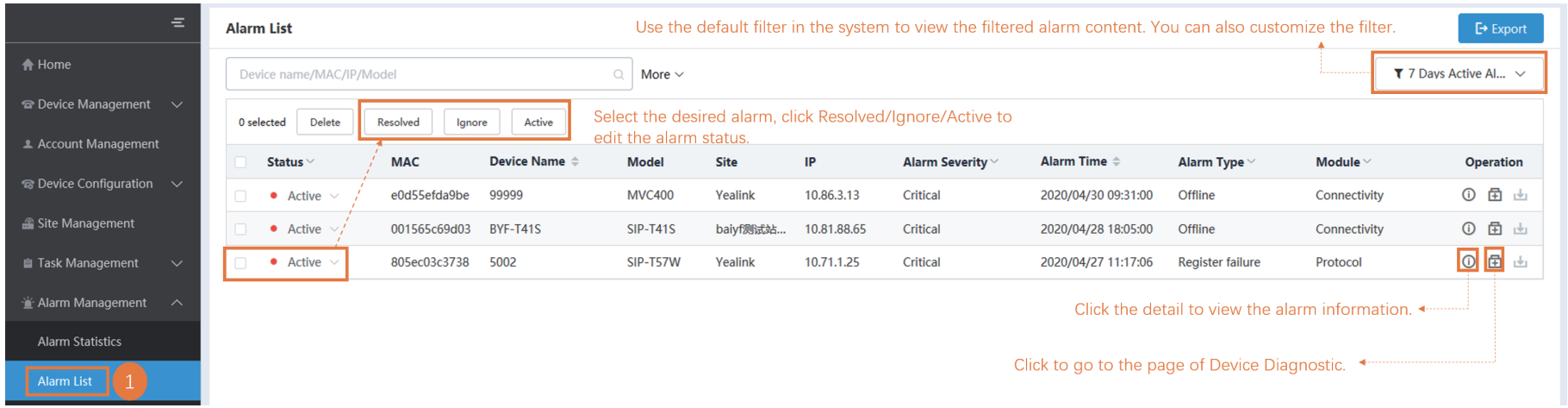
This mailbox is used for receiving the alarm and the account information.



※ Adding the Alarm Strategy



※ Viewing the Alarm



More Information

For more information about YDMP, refer to http://support.yealink.com/.