

Yealink Device Management Platform Quick Start Guide

Applies to version 3.6.0.30 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	

Note: This QSG only provides requirements for stand-alone installation. For more information about cluster installation, please refer to the administrator guide.

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 installing YDMP, you must import the latest 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 command 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 upgraded to the corresponding version if it is upgraded 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 command 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 upgraded 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 YDMP, your installation will be forbidden. Change your hardware and re-install YDMP according to the prompts.

Logging into YDMP

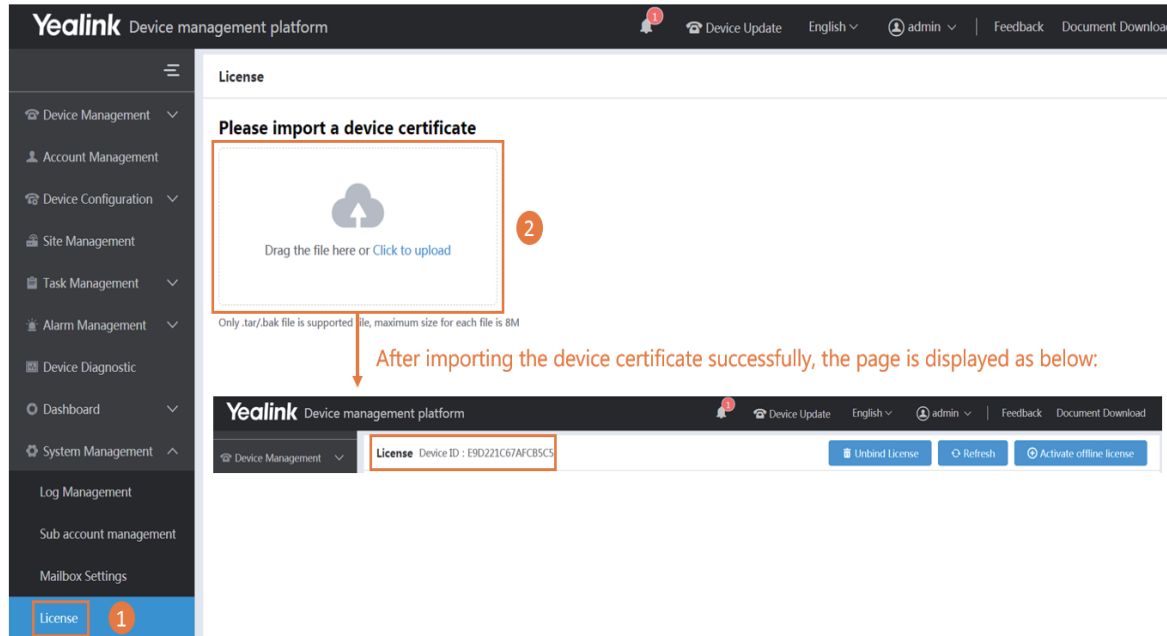
1. Open a web browser.
2. Enter **https://<IP address>/** (for example: https://10.2.62.12/) in the address box.
3. Optional: select a desired language.
4. Enter your username (default: admin) and the password (default: v123456789), and click **Login**.
5. If it is the first time you log into the platform, 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

The screenshot shows the 'License' page in the Yealink Device management platform. The 'License' tab is selected in the left sidebar (1). The 'Refresh' button is highlighted (2). A table displays the license details:

License ID	Status	Mode	Licenses	Validity	Expiration Time	Activation Time
5d0d6c72e3084...	Activated	Online	1000	30days	2019/01/13 17:52:57	2018/12/14 17:52:57

An annotation points to the 'Refresh' button: "After refreshing, the device license is displayed in the list."

※ Offline

The screenshot shows the 'License' page with the 'Activate offline license' button highlighted (2). An 'Export' button is also highlighted (3). A modal window titled 'Activate offline license' is open, showing a file upload area with the text 'Drag the file here or Click to upload' and 'Only .lic file less than 1MB is available.' (4). An annotation points to the 'Export' button: "Send the exported license application to Yealink to get the license."

Importing the Latest Parameter Configuration File

If your YDMP is upgraded from a lower version, you must import the latest 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

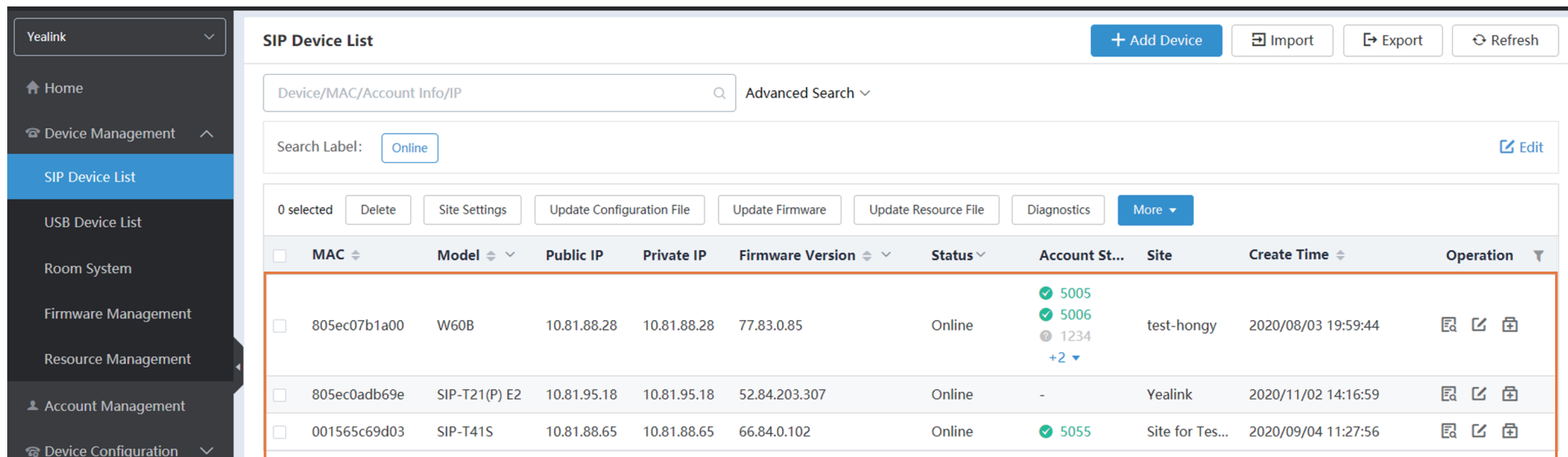
<http://support.yealink.com/documentFront/forwardToDocumentDetailPage?documentId=243>



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 running 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.




MAC	Model	Public IP	Private IP	Firmware Version	Status	Account St...	Site	Create Time	Operation
<input type="checkbox"/> 805ec07b1a00	W60B	10.81.88.28	10.81.88.28	77.83.0.85	Online	✓ 5005 ✓ 5006 ⊙ 1234 +2 ▼	test-hongy	2020/08/03 19:59:44	
<input type="checkbox"/> 805ec0adb69e	SIP-T21(P) E2	10.81.95.18	10.81.95.18	52.84.203.307	Online	-	Yealink	2020/11/02 14:16:59	
<input type="checkbox"/> 001565c69d03	SIP-T41S	10.81.88.65	10.81.88.65	66.84.0.102	Online	✓ 5055	Site for Tes...	2020/09/04 11:27:56	

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.


Step 2: Configure the parameters.

Set Template Parameters | T48S Edit the parameter in the text. 




1




Account Directory Dsskey Features Network Security Settings




Auto Provision
Call Display
Configuration
Power Saving 1
Preference 2
SIP
TR069
Time&Date
Tones 3
Upgrade
Voice
Voice Monitoring




☒ Select All  Reset




Preference




☒ Language  Chinese_T ☐ Live Dialpad  Disabled ☐ Transparency  1

☐ Inter Digit Time(1~14s)  4 ☐ Inactive Level  Low ☐ Active Level  8

☐ Backlight Time(seconds)  Always On ☐ Watch Dog  Enabled ☐ Ring Type  Ring1.wav


☐ Ringtone URL  ☒ Wallpaper  04.jpg ☐ Wallpaper URL 

☐ Wallpaper with Dsskey Unfold  Auto ☐ Screensaver Wait Time  6h ☐ Screensaver Display Clock  Enabled


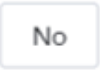
☐ Screensaver Type  System ☐ XML Browser URL  ☐ Upload Screensaver 

2 Save Cancel

Step3: Update the device configuration file immediately.

✓ Set successfully! 

Update the device configuration now?

Step 4: Push the parameters to update it.

1

Please select a site

MAC/Device Name/Account Info

<input checked="" type="checkbox"/>	MAC	Device Name	Account Info
<input checked="" type="checkbox"/>	001565f30702	T48S-ZYD	2572

>

Selected : 1

MAC	Device Name	Account Info
001565f30702	T48S-ZYD	2572

1

Push to Update

Cancel

Step 5: Select the execution mode.

Please select the execution mode

Note: After update, device configuration file will be overwritten

1

Execution mode ☒ At once ☐ Timing

2

OK

Cancel

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.

Yealink Device management platform

Device Management Account Management Device Configuration Site Management Task Management Alarm Management Device Diagnostic Dashboard System Management Log Management Sub account management Mailbox Settings License

Mailbox Settings

* SMTP: exchange2013.yealinkuc.com

* Sender: liqj@yealinkuc.com

* Username: liqj@yealinkuc.com

* Password:

* Port: 587

☒ This server requires secure connections to the

TLS

☒ Enable the mailbox

Save Test email settings

(Optional) Enter an email address to test whether or not the email address you set is available.

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.

Yealink Device management platform

Device Management Account Management

Mailbox Settings

Account Settings

Account Settings Privacy Policy Exit

Username : admin

Password : ***** [Edit](#)

Basic Settings

* Company name yealink

Phone number 12345678901

* Email admin@yealink.com

Office address Huli district, Xiamen, Fujian Province

Country/Area China

3 Save Cancel

※ Adding the Alarm Strategy

Alarm Strategy

0 selected Delete

Strategy	Alarm Strate...	Notification ...	Status	Alarm Receiver	Alarm content	Devices	Operation	
<input type="checkbox"/>	CRITICAL ALARMS	Email,In-station	Real-time	On	hongy@yealink.com,baiyf@yealink.com,h...	Bad call quality, Register failure, Update firm...	All	
<input type="checkbox"/>	ALARM-A1	Email,In-station	Real-time	On	baiyf@yealink.com	Bad call quality, Register failure, Update firm...	Site	
<input type="checkbox"/>	system_default	Email,In-station	Real-time	On	liqj@yealink.com	Call failed, Hold failed, Resume failed, Play v...	All	

Add strategy

1 Set basic information 2 Alarm Receiver 3 Alarm content 4 Devices 5 Finish

* Strategy: CRITICAL ALARMS

* Alarm Strategy: ☒ Email ☒ In-Station

* Notification frequency: ☒ Real-time ☐ Daily ☐ Weekly

Status: ☒ On ☐ Off

Configure the basic information, the alarm receivers, the alarm content, and the devices.

Next step Cancel

※ Viewing the Alarm

Alarm List

142-balyfff

Home Device Management Account Management Device Configuration Site Management Task Management Alarm Management Alarm Statistics Alarm List

Device name/MAC/IP/Model Advanced Search

0 selected Delete Resolved Ignore Active

Either use the default filter or customize the filter to view the filtered alarm.

Select the desired alarm, click Resolved/Ignore/Active to edit the alarm status.

Click to view the alarm details.

Click to go to the Device Diagnostic page.

Status	MAC	Device Name	Model	Site	IP	Alarm Severity	Alarm Time	Alarm Type	Module	Operation
Active	d83bbfb94cfd	zh-1	MVC900	142-bai...	10.82.22.82	Critical	2020/11/19 21:...	Offline	Connectivity	
Active	d83bbfb94cfd	zh-1	UVC80	142-bai...	10.82.22.82	Critical	2020/11/19 19:...	Subset Offline	Connectivity	
Active	18c04d172935	linzxPC	MVC300	142-bai...	10.82.22.23	Critical	2020/11/19 17	Subset Offline	Connectivity	
Active	18c04d172935	linzxPC	UVC30	142-bai...	10.82.22.23	Critical	2020/11/19 16:...	Subset Offline	Connectivity	
Active	18c04d172935	linzxPC	MVC300	142-bai...	10.82.22.23	Major	2020/11/19 16:...	Online	Connectivity	
Active	1856802b020e	iiuggbnh	UVC80	142-bai...	10.82.22.58	Critical	2020/11/19 16:...	Subset Offline	Connectivity	
Active	803253a57d4a	iii咳嗽咳二	MVC800	142-bai...	10.82.22.39	Critical	2020/11/19 16:...	Offline	Connectivity	
Active	803253a57d4a	PTS-edit-01	MVC800	142-bai...	10.82.22.39	Major	2020/11/19 15:...	Online	Connectivity	
Active	803253a57d4a	PTS-edit-01	UVC80	142-bai...	10.82.22.39	Critical	2020/11/19 14:...	Subset Offline	Connectivity	
Active	1856802b020e	iiuggbnh	MVC900	142-bai...	10.82.22.58	Major	2020/11/19 11:...	Online	Connectivity	

More Information

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