



Yealink Device Management Platform Quick Start Guide

Applies to version 2.0.0.14 or later

Overview

Yealink device management platform allows administrators to efficiently realize centralized management for Yealink IP phones, Skype for Business HD T4XS IP phones and VCS Video Conference Systems in the same enterprise.

Get Started

Hardware and Software Recommendations

Server system: Linux CentOS 7.0 or later.

Device Quantity	CPU	Memory	Hard Drive
0~3000	Quad-core	8G	200G
3000~6000	8-core	16G	The capacity of the hard drive should be increased by 30G with every 1000 devices added.
6000~10000	16-core	32G	
10000~20000	32-core	64G	

The Device Management Platform Port Requirements

You should open four ports for the device management platform: 443, 28443, 9090, and 80. We do not recommend that you modify these ports.

Installation

You should pay attention to the following points before installation:

- The installation package is saved at the path **/usr/local**.
- Log into CentOS as the **root** user.

The following takes the version 2.0.0.7 and server IP 10.2.62.12 as an example.

1. Open the terminal.
2. Run the command as below:

```
cd /usr/local
tar -zxvf DeviceManagement_2.0.0.7.tar.gz
cd /usr/local/dm_install
./install.sh install 10.2.62.12
```

After you finish the installation, it prompts "Install Success!!!".

Login

1. Open your web browser.
2. Enter **https://<IP address>/** (for example: https://10.2.62.12/) in the address box, and then press the **Enter**.
3. (Option.) Select your desired language.
4. Enter your username (admin) and password (admin), and click **Login**.

If you log into the device management platform as a sub-administrator, you can obtain the username and password by email.

5. If it is your first time to log into the platform, the system will prompt you to change the password. After that, you can enter the homepage of the device management platform.

Deploying the Devices

1. Connect the devices into the network.
2. The devices perform mutual TLS authentication using default certificates.
3. If there is a provisioning server you are using in your environment, you need to configure the Common.cfg file (for example, <y0000000000xx>.cfg) of the corresponding devices.

In the Common.cfg file:

- ① If your device does not support the device management platform, upgrade the firmware of the device.
Place the target firmware on your provisioning server, and then specify the access URL of the firmware.

② Configure the provisioning URL to connect the devices to the device management platform.

The URL must meet following format: **https://<IP address>:28443/dm.cfg** (for example: https://10.2.62.12:28443/dm.cfg).

4. Else, you need to configure the devices to obtain the provisioning server address from the DHCP option 66, 43, 160 or 161.

The DHCP option value must meet following format:

https://<IP address>:28443/dm.cfg (for example: https://10.2.62.12:28443/dm.cfg)

After you finish the deployment, the devices will connect to the Yealink device management platform, and then the devices will display in the Device list.

The screenshot shows the Yealink Device Management Platform interface. The top header includes the Yealink logo, the text "Device management platform", and navigation options like "Device update", "English", and "admin". The left sidebar contains various management options, with "Device list" highlighted. The main content area displays a table of devices with columns for Device name, Model, MAC, IP, Firmware, Status, and Operation. The table is filtered by "Device/MAC/Account info/IP". The table contains 10 rows of device information, including models like SIP-T42S(SFB), SIP-T42G, SIP-T46S(SFB), SIP-T46S(SFB), SIP-T48G, VC200, SIP-T29G, SIP-T19(P) E2, VC800, and VC500. The status of the devices varies, with some being "Unregistered" and others "Registered".

Device name	Model	MAC	IP	Firmware	Status	Operation
--	SIP-T42S(SFB)	00:15:65:d1:2e:c6	10.81.43.21	66.9.250.25	Unregistered	[Edit] [Refresh] [Add] [View]
T42G_yejh	SIP-T42G	00:15:65:65:fa:48	10.81.40.16	29.83.254.108	Registered	[Edit] [Refresh] [Add] [View]
t46s sfb tianj	SIP-T46S(SFB)	00:15:65:f0:16:f1	10.81.40.37	66.9.250.18	Registered	[Edit] [Refresh] [Add] [View]
--	SIP-T46S(SFB)	80:5e:c0:24:04:79	10.81.41.15	66.9.250.18	Registered	[Edit] [Refresh] [Add] [View]
T48_yejh	SIP-T48G	00:15:65:51:d7:3d	10.81.40.20	35.83.254.109	Registered	[Edit] [Refresh] [Add] [View]
张桥英使用, 暂...	VC200	80:5e:c0:06:6d:91	10.81.43.15	80.31.254.132	Registered	[Edit] [Refresh] [Add] [View]
t29gg	SIP-T29G	00:01:d8:78:6f:e6	10.81.43.41	46.83.0.30	Registered	[Edit] [Refresh] [Add] [View]
--	SIP-T19(P) E2	00:15:65:99:24:6e	10.81.43.31	53.83.0.30	Registered	[Edit] [Refresh] [Add] [View]
test800	VC800	80:5e:c0:00:7b:44	10.81.41.20	63.32.10.3	Registered	[Edit] [Refresh] [Add] [View]
--	VC500	00:15:65:f4:ce:2b	10.81.43.9	63.32.0.1	Registered	[Edit] [Refresh] [Add] [View]

Using Yealink Device Management Platform

Device Management

※ Editing Devices

The screenshot displays the Yealink Device Management Platform interface. The top navigation bar includes the Yealink logo, 'Device management platform', a notification bell with '81', 'Device update', 'English', and 'admin'. The left sidebar shows navigation options: Account management, Device management (with 'Device list' highlighted), Firmware management, Resource management, and Device configuration. The main area shows a 'Device list' table with columns for Device name, Model, MAC, IP, Firmware, Status, and Operation. A modal window titled 'Edit device' is open, showing fields for Device name (t46s sfb tianjy), Device model (SIP-T46S(SFB)), and MAC address (001565f016f1). A red callout box points to the Device name field with the text 'You can only edit the device name'. The 'Save' button is highlighted with a red circle.

Device name	Model	MAC	IP	Firmware	Status	Operation
T48_yejh	SIP-T48G	00:15:65:51:d7:3d	10.81.40.20	35.83.254.109	Registered	[Edit] [Refresh] [Add] [Search]
t29gg	SIP-T29G	00:01:d8:78:6f:e6	10.81.43.41	46.83.0.30	Registered	[Edit] [Refresh] [Add] [Search]
T19P					Registered	[Edit] [Refresh] [Add] [Search]

Edit device

* Device name: t46s sfb tianjy

* Device model: SIP-T46S(SFB)

* MAC address: 001565f016f1

You can only edit the device name

Save Cancel

Device Configuration

※ Adding Configuration Templates

One device model has only one template

1

2

3

4

Name	Model	Description	Operation
<input type="checkbox"/> Enter template name	Select device model	Enter template description	<input type="button" value="Save"/> <input type="button" value="Cancel"/>
<input type="checkbox"/> VC500	VC500	VC500	<input type="button" value="Settings"/> <input type="button" value="Share"/> <input type="button" value="Info"/> <input type="button" value="More"/>
<input type="checkbox"/> VC880	VC880	VC880	<input type="button" value="Settings"/> <input type="button" value="Share"/> <input type="button" value="Info"/> <input type="button" value="More"/>
<input type="checkbox"/> VC800	VC800	VC800	<input type="button" value="Settings"/> <input type="button" value="Share"/> <input type="button" value="Info"/> <input type="button" value="More"/>

※ Configuring and updating the Parameters to Devices

Step1: Click  to enter the Set template parameters page.

Name	Model	Description	Operation
<input type="checkbox"/> VC500	VC500	VC500	<input type="button" value="Settings"/> <input type="button" value="Share"/> <input type="button" value="Info"/> <input type="button" value="More"/>
<input type="checkbox"/> VC880	VC880	VC880	<input type="button" value="Settings"/> <input type="button" value="Share"/> <input type="button" value="Info"/> <input type="button" value="More"/>

Step2: Configure the parameters.

Set template parameters | VC500 (VC500)

Directory Network Security Settings

Auto Provision

MAC-Oriented AES Key ?

DHCP Option Value ?

Attempt Expired Time(s) ?

Repeatedly Disabled Enabled ?

DHCP Active Off On ?

Interval(Minutes) ?

Common AES Key ?

PNP Active Off On ?

Custom Option ?

Weekly Disabled Enabled ?

Power On Disabled Enabled ?

Server URL ?

Weekly Upgrade Interval(0~12week) ?

Username ?

Inactivity Time Expire(0~120min) ?

Password ?

1 Configure the parameters

2 Save Cancel

Step3: Update the device configuration.

Set successfully!

Update the device configuration now?

Yes No

Step4: Push to update the parameters.

✕

Push to update the parameters

Select model VC500 to update

Please select a site

<input type="checkbox"/>	MAC	Device name	Account info
<input type="checkbox"/>	00:15:65:f6:56:58	Vc500	2222
<input type="checkbox"/>	10:00:11:aa:15:65	number12	add4
<input type="checkbox"/>	10:00:00:aa:15:65	number1	--
<input type="checkbox"/>	10:00:12:aa:15:65	number13	yl554@yealin...
<input type="checkbox"/>	10:00:13:aa:15:65	number14	yl554@yealin...
<input type="checkbox"/>	10:00:09:aa:15:65	number10	add4
<input type="checkbox"/>	10:00:08:aa:15:65	number9	yl554@yealin...
<input type="checkbox"/>	10:00:06:aa:15:65	number7	--

Total 17 < 1 2 3 > Go to 1

Selected device : 0

MAC	Device name	Account info
-----	-------------	--------------

➤

2

Step5: Select a desired execution mode.

Please select the execution mode

Note:After the update,device configuration file will be overwritten

1

Execution mode At once Timing

2

Managing Sub-administrators

There are two types of administrators: system administrator and sub-administrator. If you are the system administrator, you can add sub-administrators.

✧ Adding Sub-administrators

The screenshot displays the 'User management' interface. On the left, a sidebar menu has 'User management' highlighted with a red circle and the number '1'. The main area shows a list of users with a search bar. A red callout box with the number '3' and the text 'Configure the account information and check the checkboxes of desired functions in the function list' points to the 'Add new user' form. The form includes fields for 'User name', 'Password', 'Phone number', 'Email', and 'Office address'. The 'Function list' section has several checkboxes checked, including 'Account management', 'Device management', 'Device configuration', 'Model configuration', 'Group configuration', 'MAC configuration', 'Global parameter settings', and 'Configuration update'. A red circle with the number '2' is placed over the '+ Add new user' button in the top right. At the bottom of the form, a red circle with the number '4' is placed over the 'Save' button.

Monitoring Alarms

When the devices are abnormal, they will send alarms to the platform. You can solve the problem by monitoring the alarms. You can configure the SMTP mailbox and manage alarm strategies to view alarms via email or directly on the management platform.

※ Configuring the SMTP Mailbox

The SMTP mailbox is used to send the alarm and account information.

1 Sending mailbox settings

2

* SMTP: mail.yealink.com

* Sender: zhangqy@yealink.com

* Username: yl1552

* Password: ●●●●●●●●

* Port: 587

This server requires secure connections to the TLS

Enable the mailbox

Test email settings

3 Save

(Optional) Enter the email address of the receiver to test whether the email address you set is available

※ Editing the Mailbox of System Administrator

The mailbox is used to receive the alarm emails and account information emails.

management platform

Device management

Account settings

Username : admin
Password : Change password

Basic information

* Company name Yealink-administrator

Phone number Maximum 32 characters

* Email zhangqy@yealink.com

Office address 1234567890=

Save

Account settings
Exit

※ Adding Alarm Strategies

Alarm strategy

+ Add strategy

Name	Alarm severity	Alarm strategy	Receiver	Start	Operation
Enter name,maximum 64 char	<input checked="" type="checkbox"/> Minor <input type="checkbox"/> Major <input type="checkbox"/> Critical	<input type="checkbox"/> Email <input checked="" type="checkbox"/> Instation	admin	<input checked="" type="checkbox"/>	Save Cancel
23	<input checked="" type="checkbox"/> Minor <input type="checkbox"/> Major			<input checked="" type="checkbox"/>	✎ 🗑
system_default	<input checked="" type="checkbox"/> Minor <input checked="" type="checkbox"/> Major			<input checked="" type="checkbox"/>	✎ 🗑

Add receiver

Please enter keyword to search

Select All

- admin
- haha
- w3qwe
- zhangqy
- 3333
- yejh
- ceshi2
- sxa
- tianjy
- yejh_3

Total 11

Confirm Cancel

※ Viewing Alarms

Alarm list

Device name/MAC/IP

Delete

<input type="checkbox"/>	Device name	MAC	Site	IP	Severity	Date	Type	Operation
<input type="checkbox"/>	T24SB55	00:15:65:c6:3b:55	Yealink	10.81.40.39	Major	2018/05/02	Time synchroniz...	
<input type="checkbox"/>	T48G11E	00:15:65:6f:41:1e	Yealink	10.81.43.34	Critical	2018/05/02	Register failure	
<input type="checkbox"/>	T42GFA48	00:15:65:65:fa:48	Yealink	10.81.40.16	Critical	2018/05/02	Register failure	
<input type="checkbox"/>	--	00:15:65:91:89:a1	Yealink	10.81.43.11	Major	2018/05/02	Insufficient space	
<input type="checkbox"/>	VC500CE2B	00:15:65:f4:ce:2b	Yealink	10.81.43.17	Major	2018/05/02	Time synchroniz...	
<input type="checkbox"/>	--	00:15:65:c0:6d:65	Yealink	10.81.37.3	Major	2018/05/02	Program exit	
<input type="checkbox"/>	T46SF1	00:15:65:f0:16:f1	Yealink	10.81.40.37	Major	2018/05/02	Time synchroniz...	
<input type="checkbox"/>	正经	00:15:65:f0:17:3b	Yealink	10.81.44.13	Major	2018/05/02	Time synchroniz...	
<input type="checkbox"/>	VC80044	80:5e:c0:00:7b:44	Yealink	10.81.41.20	Major	2018/05/02	Time synchroniz...	

Export

You can view the alarm information from the alarm list.

You can also click to view the details or click to enter the Device diagnostic page of device.

More Information

For more information about using the Yealink device management platform, please refer to <http://support.yealink.com/>.