



Yealink Device Management Platform Quick Start Guide

Applies to version 1.0.0.25 or later

Overview

Yealink device management platform enables administrators to effortlessly and effectively configure and update Yealink Skype for Business HD T4XS IP phones that are deployed in the same enterprise.

Get Started

Hardware and Software Recommendations

Hardware or Software	Recommendation
CPU	Intel Xeon Processor E5-2620V4, four cores, 2.1GHz or higher
RAM	8GB or higher
Hard Drive Space	250GB or higher
Linux	CentOS 7.0 or later

Installation

Users should pay attention to the following points before installation:

- The Yealink device management platform application is saved at the path **/usr/local**.
- Log into CentOS as the **root** user.

The installation of 1.0.0.25 version is introduced as an example.

Step	Operation	Expected Result or Other Related Information
1	Run the cd /usr/local command.	
2	Run the tar -zxvf DeviceManagement_1.0.0.25.tar.gz command.	<pre>bash-4.2# cd /usr/local bash-4.2# tar -zxvf DeviceManagement_1.0.0.25.tar.gz</pre>
3	Run the cd /usr/local/dm_install command.	<pre>bash-4.2# cd /usr/local/dm_install bash-4.2# ./install.sh install</pre>
4	Run the ./install.sh install command. After you finish the installation, it will prompt "Install Success!!!". And the folder named "yealink" appears at the path /usr/local .	<pre>Install Success!!!</pre>
5	Run the cd /usr/local/yealink/dm/tomcat_dm/webapps/ROOT/initData command.	<pre>dm.enable = 1 dm.server.url = https://10.2.62.12:28443/api dm.server.username = %NULL% dm.server.password = %NULL% dm.server.connection_request_username = %NULL% dm.server.connection_request_password = %NULL% dm.server.version = dm.server.http.enable = 1 dm.server.https.enable = 1 features.device_update_auto.enable = 0</pre>
6	Run the vi dm.cfg command.	
7	Change the IP address in the dm.server.url and troubleshooting.url for the Yealink device management platform's IP address.	<pre>troubleshooting.url = https://10.2.62.12:28443/api/v1.0/ troubleshooting.username = troubleshooting.password = troubleshooting.mdn = troubleshooting.duration =</pre>
8	Run the :wq command.	
9	Run the cd /usr/local/yealink/dm/tomcat_dm/webapps/ROOT/WEB-INF/classes/config/product/ command.	
10	Run the vi application.properties command.	<pre>account.forgot.pwd.active.limit.minute = 10 system.domain.prefix = https://10.2.62.12:18443 system.client.https.port = 28443</pre>
11	Change the IP address in the system.domain.prefix and config.download.url.prefix for the Yealink device management platform's IP address.	<pre>config.download.url.prefix = https://10.2.62.12:28443/api/v1/device/download?path= device.status.fresh.minute = 6 device.status.data.save.days = 30</pre>
12	Run the :wq command.	
13	Run the systemctl restart tomcat_dm command.	

Login

1. Open your Web browser.
2. Enter **https://<IP address>:<18443>/** (for example: https://10.2.62.12:18443/) in the address box, and press **Enter**.

The screenshot shows the Yealink Device Management Platform login interface. The page has a dark blue background with the Yealink logo in the top left. In the top right, there is a language selector dropdown menu labeled 'English' with a small '3' next to it. The main heading is 'Device Management Platform'. Below this, there are two input fields for username and password, with a '4' next to the first field. To the right of these fields, there is red text: 'If you are a system administrator, enter admin and password (the default password: admin). If you are a child administrator, enter username and password.' Below the input fields, there is a 'Remember Password' checkbox and a 'Forgot password?' link. A blue 'Sign in' button is located below these options, with a '5' next to it. To the right of the main login area, there is a separate box titled 'Please change your password for security reason'. This box contains two password input fields with dots, and '6' is next to the first field. At the bottom of this box are 'Modify' and 'Skip' buttons, with a '7' next to the 'Modify' button.

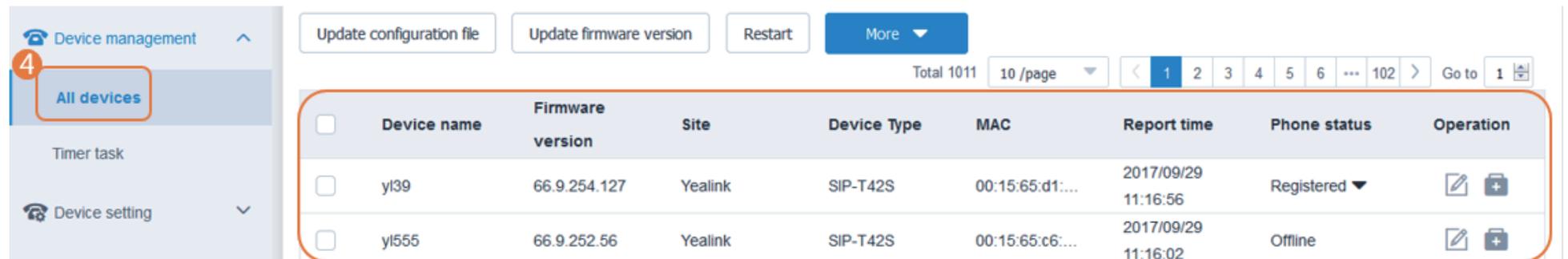
Deploying the IP Phones

1. You plug the IP phones into the network.
2. The IP phones perform mutual TLS authentication using default certificates.
3. The IP phones obtain the provisioning server address from the DHCP option 66, 43, 160 or 161.

The DHCP option value must meet one of the following format:

- **http://<IP address>:<28080>/api/v1/getDmConfigFile.cfg** (for example: http://10.2.62.12:28080/api/v1/getDmConfigFile.cfg)
- **https://<IP address>:<28443>/api/v1/getDmConfigFile.cfg** (for example: https://10.2.62.12:28443/api/v1/getDmConfigFile.cfg)

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



The screenshot shows the 'All devices' page in the Yealink device management platform. The interface includes a sidebar with 'Device management' and 'All devices' (highlighted with a red box and a '4' in a circle), 'Timer task', and 'Device setting'. The main content area features a table of devices with columns for Device name, Firmware version, Site, Device Type, MAC, Report time, Phone status, and Operation. The table lists two devices: 'yl39' (Registered) and 'yl555' (Offline). Above the table are buttons for 'Update configuration file', 'Update firmware version', 'Restart', and 'More'. A pagination bar shows 'Total 1011' and '10 /page'.

<input type="checkbox"/>	Device name	Firmware version	Site	Device Type	MAC	Report time	Phone status	Operation
<input type="checkbox"/>	yl39	66.9.254.127	Yealink	SIP-T42S	00:15:65:d1:...	2017/09/29 11:16:56	Registered ▼	 
<input type="checkbox"/>	yl555	66.9.252.56	Yealink	SIP-T42S	00:15:65:c6:...	2017/09/29 11:16:02	Offline	 

Using Yealink Device Management Platform

Device Management

※ Editing Devices

The screenshot displays the Yealink Device Management Platform interface. On the left, a sidebar menu shows 'Device management' with 'All devices' highlighted (marked with a red circle 1). The main area features a table of devices and an 'Edit Phone' dialog box (marked with a red circle 2).

At the top of the main area, there are buttons for 'Update configuration file', 'Update firmware version', 'Restart', and 'More'. Below these, it shows 'Total 1011' devices, '10 /page', and a pagination control with page numbers 1 through 102.

Device name	Firmware version	Site	Device Type	MAC	Report time	Phone status	Operation
yl39	66.9.254.127	Yealink			2017/04/20	Registered	 
yl555	66.9.252.56	Yealink				Offline	 

The 'Edit Phone' dialog box is open, showing the following fields:

- * Device name: yl39 (marked with a red circle 3)
- * Device Type: SIP-T42S
- * Mac address: 001565d1d129

A red note points to the 'Device name' field: **The display name of SFB account or a custom name**.

At the bottom of the dialog box, there are 'Save' and 'Cancel' buttons (marked with a red circle 4).

※ Adding and Updating Configuration Files

Template management

Template name:

Template name
T48S

Add template

Template Name: Device Type:

Template Description:

Account | Directory | Features | Network | Security | Settings

- > Register
- > Codec
- > Basic

Save Save and add Cancel

Notice

The template is generated successfully! Will you update the devices immediately

Cancel Update

Device update configuration file

Note: After the update, the current configuration file will be overwrite

Executive mode At once At regular time

OK Cancel

Device Type	MAC	Report time	Phone status	Operation
SIP-T46S	00:15:65:c0:...	2017/09/19 17:00:51	Unregistered	
SIP-T46S	00:15:65:f0:1...	2017/09/19 17:00:43	Registered ▼	
SIP-T46S	00:15:65:b4:...	2017/09/19 17:00:41	Registered ▼	

Update configuration file Update firmware version Restart More

Managing Sub-administrators

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

※ Adding Sub-administrators

The screenshot displays the 'Operator' management interface. On the left, a sidebar menu lists various system management options, with 'Operator' highlighted by a red circle and the number 1. The main content area is titled 'Operator' and features a search bar for 'Login Name'. A red callout box, labeled with the number 2, highlights the 'Add sub-administrators' form. This form includes fields for 'Login Name' (filled with 'Jannie'), 'Password' (masked with dots), 'Phone number' (with a 'Maximum 32 characters' limit), 'Email address' (filled with 'Jannie@yealink.com'), and 'Office address' (with a 'Maximum 128 characters' limit). A red callout box points to the password field with the text 'The password is Yealink@dmp by default'. Below the form is a 'Function List' section with checkboxes for 'User account management' (including 'Add account', 'Import', 'Site settings', 'Batch delete', 'Export', and 'Edit account') and 'Device management'. At the bottom of the form, the 'Save' button is highlighted with a red circle and the number 3, along with 'Save and add' and 'Cancel' buttons.

Monitoring Alarms

When the IP phones are in the abnormal status, they will send alarms to the platform and the system administrator will receive the email which includes the warning in critical or major severity.

※ Configuring the SMTP Mailbox of System Administrator

The SMTP mailbox is used to send the warning emails.

The screenshot displays the 'Mailbox setting' configuration page. On the left is a navigation menu with 'Mailbox setting' highlighted. The main content area contains the following fields and options:

- SMTP:** mail.yealink.com
- Sender:** yang@yealink.com
- Username:** yl8888
- Password:** (masked with dots)
- Port:** 587
- This server requires secure connections to the **TLS**
- Enable the mailbox

At the bottom, there are two buttons: 'Test mailbox settings' and 'Save'. A red callout box points to the 'Test mailbox settings' button with the text: **(Optional) Enter the email address of the recipient to test whether the email address you set is available**.

※ Editing the Mailbox of System Administrator

The mailbox is used to receive the warning emails.

The screenshot shows the Yealink Device Management Platform interface. The top navigation bar includes the Yealink logo, 'Device Management Platform', a warning icon, 'Phone Update', 'English', and a user profile for 'admin'. The left sidebar contains 'User account management' and 'Device management'. The main content area is titled 'All devices' and features a search bar for 'Device name/MAC/IP', 'Update configuration file', and 'Update firmware' buttons. A modal window for editing the 'admin' account is open, showing 'Basic Data' fields: 'Company name' (Yealink), 'Phone number' (18084764100), 'Email address' (chen@yealink.com), and 'Office address' (Xiamen). A 'Reset' button is next to the password field. A 'Save' button is at the bottom of the form. A red dashed line connects the 'Account Settings' menu item (marked with a red circle and the number 1) to the form. The 'Email address' field (marked with a red circle and the number 2) is highlighted with a red box. A red circle with the number 3 highlights the 'Save' button.

※ Viewing Alarms

The screenshot shows the Yealink Device Management Platform interface. The left sidebar contains 'Device setting', 'Site management', 'System management', 'Dashboard', and 'Running state analysis'. The 'Warning list' menu item is highlighted with a red circle and the number 1. The main content area displays a table of alarms.

<input type="checkbox"/>	Device Name	Site	IP	Severity	Alarm Time	Type	Operation
<input type="checkbox"/>	yl37	Yealink	10.2.20.19	Minor	2017/10/16 16:42:01	SRTP failure	
<input type="checkbox"/>	yl37	Yealink	10.2.20.19	Major	2017/10/16 16:25:32	Meet now failure	
<input type="checkbox"/>	yl37	Yealink	10.2.20.19	Minor	2017/10/16 16:05:30	RTP SSRC change	
<input type="checkbox"/>	yl37	Yealink	10.2.20.19	Critical	2017/10/16 14:58:51	Update Configuration failure	
<input type="checkbox"/>	yl37	Yealink	10.2.20.3	Major	2017/10/16 11:54:09	Time synchronization failure	

You can view the warning information from the warning list.

You can also click  to view the description of alarm 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/>.