

Deploying Yealink IP Phones for Use with Skype for Business[®] Server



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CE

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- 2. This device must accept any interference received, including interference that may cause undesired operation.

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- 1. Reorient or relocate the receiving antenna.
- 2. Increase the separation between the equipment and receiver.
- 3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4. Consult the dealer or an experience radio/TV technician for help.

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Customer Feedback

We are striving to improve our documentation quality and we appreciate your feedback. Email your opinions and comments to DocsFeedback@yealink.com.

GNU GPL INFORMATION

Yealink phone firmware contains third-party software under the GNU General Public License (GPL). Yealink uses software under the specific terms of the GPL. Please refer to the GPL for the exact terms and conditions of the license.

The original GPL license, source code of components licensed under GPL and used in Yealink products can be downloaded from Yealink web site:

http://www.yealink.com/GPLOpenSource.aspx?BaseInfoCateId=293&NewsCateId=293&CateId=293.

About This Guide

Yealink Skype for Business phones can work with Microsoft® Skype for Business Server. They are designed for today's busy executives and professionals. This deployment guide provides system administrators information on how to deploy Yealink Skype for Business phones with Microsoft® Skype for Business Server[™].

Deploying and registering phones with Skype for Business Server enables users to communicate with HD voice using familiar Microsoft solutions.

In This Guide

The information detailed in this guide is applicable to T48G/T46G/T42G/T41P/T40P Skype for Business phones running firmware version 8 or later. The firmware format is like x.x.x.x.rom. The second x from left must be greater than or equal to 8 (e.g., the firmware version of T46G Skype for Business phone: 28.8.0.60.rom). This deployment guide includes the following chapters:

- Chapter 1, "Getting Started" describes introductory information on available phone features.
- Chapter 2, "Deploying Phones with Skype for Business Server" describes information on setting up network and provisioning methods.
- Chapter 3, "Configuring Phones with Skype for Business Server" describes how to configure and use the phone features.
- Chapter 4, "Troubleshooting" describes how to troubleshoot Skype for Business phones and provides some common troubleshooting solutions.

Documentations

The following related documents are available. You can get them from Yealink Website.

- Quick Start Guides, which describe how to assemble phones and configure the most basic features available on Skype for Business phones.
- User Guides, which describe the basic and advanced features available on Skype for Business phones.
- Auto Provisioning Guide, which describes how to configure Skype for Business phones using the configuration files.
- Description of Configuration Parameters in CFG Files, which describes all configuration parameters in the configuration files.
- <y000000000xx>.cfg and <MAC>.cfg template configuration files.
- Updating Phone Firmware from Microsoft Skype for Business Server Guide, which

describes how to upgrade firmware via Skype for Business Server.

For support or service, please contact your Yealink reseller or go to Yealink Technical Support online: *http://support.yealink.com/*.

Conventions Used in Yealink Documentations

Yealink documentations contain a few typographic conventions.

You need to know the following basic typographic conventions to distinguish types of in-text information:

Convention	Description				
Bold	Highlights the web/phone user interface items such as menus, menu selections, soft keys, or directory names when they are involved in a procedure or user action (e.g., Click on Security->License). Also used to emphasize text (e.g., Configuration File).				
Italics	Used to show the format of examples (e.g., <i>http(s)://[IPv6 address]</i>), or to show the title of a section in the reference documentations available on the Yealink Technical Support Website (e.g., <i>Triggering the IP phone to Perform the Auto Provisioning</i>).				
Blue Text	Used for cross references to other sections within this documentation (e.g., refer to Installing a Skype for Business Server Feature License).				
Blue Text in Italics	Used for hyperlinks to Yealink resources outside of this documentation such as the Yealink documentations (e.g., <i>Yealink_Skype_for_Business_HD_IP_Phones_Auto_Provisioning_Guide</i> .				

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Getting Started

This chapter describes the available phone features, and something you need to know before deploying your phone with Skype for Business Server. Topics include:

- Available Phone Features
- Before You Begin

Available Phone Features

Phone features available on all Yealink phones registered to Skype for Business Server are listed in the following table:

Feature	Function			
Auto root certificate fetch	Available using DHCP option 43			
Auto root certificate retrieval	Lightweight Directory Access Protocol (LDAP) Domain Name System (DNS) query			
Sign in	 PIN Authentication User Sign-in Web Sign-in Sign in via PC 			
Audio Codec	For T48G/T46G/T42G/T41P: G722, PCMA, PCMU, G729, G726-16, G726-24, G726-32, G726-40, iLBC, G723_53, G723_63 For T40P: G722, PCMA, PCMU, G729, G726-16, G726-24, G726-32, G726-40, iLBC			
Call forward, transfer, hold, mute	Phone functions			
Full-duplex echo cancellation(FDX)				
Media encryption	SRTP			
Direct SIP registration to Skype for Business Server	Microsoft SIP, TLS for SIP Signaling			
Peer-to-peer audio calling	Initiate and receive two-party call			
Message Waiting Indicator (MWI)	Illumination of MWI lamp indicates new messages			

Feature	Function			
Voice mail retrieval	Connect to voice mail center			
Presence publication	Indicates the status of your contacts			
Presence state control	Choose from a menu of presence states			
Calls logs	Local call history for missed, placed, received, placed and forwarded calls			
Log access	Local phone access to diagnostic logging			
Device updates	Centralized phone updates from an out-of-band server			
VLAN assignment	LLDP-MED VLAN assignment			
Remote worker scenarios	Edge Server registration for off-location users			
Firewall traversal	A/V Edge Server support using the ICE, STUN, and TURN protocols			
Federation	Connect people across organizations and domains			
Provisioning	Support for in-band provisioning from Skype for Business Server			
Media bypass	Bypass the Skype for Business Server mediation server to send media directly to a PSTN gateway			
Dial now	When the dialed number matches the dial-now rules, the number will be dialed out automatically.			
Call forwarding to contacts	Forward incoming calls to another contact			
Call forwarding to voicemail	Forward incoming calls directly to voicemail			
Response Groups				
Team-Call				
Delegates				
Private Lines	Alternate call-forwarding identity for a Skype for Business Server user's secondary line.			
Branch Office Survivability	Ensures basic call functions during a shutdown or outage.			
E911 Supports in-band provisioning information for Er 911				
Location Services LLDP-MED location based information support				
Centralized Conference Control Protocol (CCCP)	Manage conference calls			
Skype for Business Server	Skype for Business Server directory search, Outlook contact search, visual voicemail, call log synchronization between phone, Outlook and Skype for Business Server client.			
Exchange Integration	phone, Outlook and Skype for Business Server client.			

Feature	Function	
	transfer calls and make calls on behalf of boss lines	
	View detailed contact information for local or Skype for	
Directory	Business contacts and make direct calls from the Local	
	directory and Skype for Business directory	
Contact Crounc	Display and expand groups in the Skype for Business Server	
Contact Groups	user's contact list	
Contacts List	Display Skype for Business Server contacts and their current	
Contacts List	presence status	
TCP Media	RTP Media and ICE negotiation supported over TCP when	
	UDP is unavailable	
Pottor Togothor over	Connect your computer to your phone and use your	
Better Together over	computer to control calls on your phone and Skype for	
Ethernet (BToE)	Business client	
Link Layer Discovery	Support for LLDP	
Protocol (LLDP)		
Automatic Firmware	Receive firmware updates automatically when registered	
Update	with Skype for Business Server	
Call Park	Place a call on a separate call orbit where anyone can	
	retrieve the call	
Music on Hold	Enable music for calls on hold	

Before You Begin

Before registering your phones with Skype for Business Server, you need to know the following points:

- If you are provisioning your phones, we strongly recommend using Auto Provisioning when deploying multiple phones. In this method, you need to set up a provisioning server and use configuration files to configure phone features.
- If user purchases a phone with Skype for Business Server firmware (also called Skype for Business phone), the phone has a built-in Skype for Business Server feature license which allows user to use the phone in a Skype for Business Server environment.

If users purchase Yealink phones that aren't running Skype for Business firmware, but want to upgrade it to the Skype for Business firmware, the user must purchase a Skype for Business Server feature license to use Yealink phones in a Skype for Business Server environment. Contact Yealink resellers for more information. You can also use Yealink phones in a Skype for Business Server environment for trial purposes, without purchasing a license, for a maximum of 180 days.

- Yealink releases firmware in two file formats:
 - a) **Cabinet (CAB) file:** CAB file format is a Microsoft Windows archive file that supports lossless data compression and embedded digital certificates that maintain archive

integrity. Yealink offers firmware in CAB file format so that user can update firmware from Skype for Business Server and enable the automatic firmware update feature.

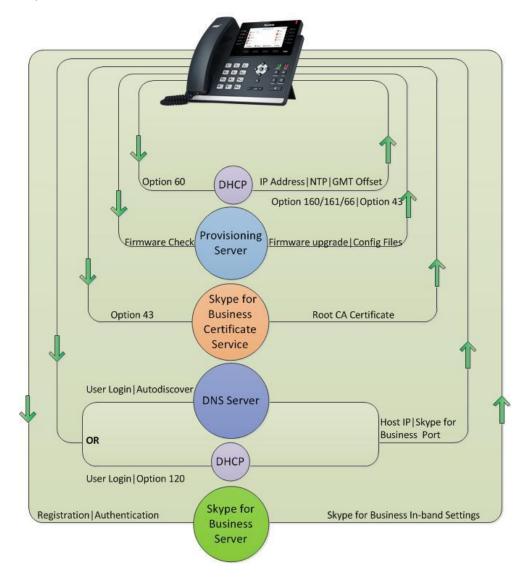
b) Rom file: Yealink also offers Skype for Business Server firmware in ROM file format.
 And the file is compressed in zip file format on *Yealink Website*, you need to download the compressed file, and then extract it into local directory.

Deploying Phones with Skype for Business Server

This chapter provides the information about deploying your phone in Skype for Business Server environment. Provisioning methods are also introduced. Topics include:

- Setting up the Network
- Provisioning Methods
- Installing a Skype for Business Server Feature License

After your phone is powered on and connected to the network, the phone performs a boot-up sequence, as shown next.



Setting up the Network

Setting up a network to connect your phones to Skype for Business Server involves four steps:

- The Skype for Business phone can discover Skype for Business Server automatically via DHCP Option 120, Autodiscover Service or Domain Name System (DNS) service (SRV) records. The priority is in this order: DHCP Option 120>Autodiscover Service>Domain Name System (DNS) service (SRV) records.
 - Obtaining Server address via DHCP option 120 is disabled by default. To enable this feature, add and set the value of the configuration parameter "sip.option120_get_lync_server.enable" to 1 (Enabled), and then perform Auto Provisioning.
 - For information on Autodiscover Service, refer to Understanding Autodiscover on Microsoft TechNet.
 - For information on creating and verifying DNS SRV records, refer to *Required DNS* Records for Automatic Client Sign-In on Microsoft TechNet.
- **2.** Obtain a root certificate authority (CA) security certificate in one of the following three ways:
 - Yealink Skype for Business phones automatically fetch the root certificate using a Lightweight Directory Access Protocol (LDAP) Domain Name System (DNS) query. This feature is disabled by default. To enable this feature, add and set the value of the configuration parameter "sip.ldap_download_rootca.enable" to 1 (Enabled), and then perform Auto Provisioning.
 - You can use Dynamic Host Configuration Protocol (DHCP) Option 43 to download a private CA root security certificate used by Skype for Business Server. The security certificate is required to support secure HTTPS and TLS. In conjunction with DHCP Option 43, ensure that your devices can access Skype for Business Server Certificate Provisioning Web service over HTTP (TCP 80) and HTTPS (TCP 443). For information on configuring DHCP Option 43, see Set Up DHCP for Devices on Microsoft TechNet.
 - You can manually install certificates on the phones. The phone will verify the certificate sent by the server to decide whether it is trusted based on the trusted certificates list. For more information, refer to Uploading a Trusted Certificateon page 36.
- 3. (Optional) If you are using auto provisioning to deploy your phones, place the configuration files on the provisioning server, and use DHCP option 66 (If DHCP option 66 is not available, use Option 160/161 with the address (URL or IP address) of the provisioning server) or use other methods to make the phones obtain the provisioning server address.
- **4.** System administrator should set up accounts on the Skype for Business Server that can be used on the phones to sign in.

Provisioning Methods

Yealink provides three provisioning methods to configure phones.

The following sections describe how to configure Skype for Business phones using each method.

- Phone User Interface
- Web User Interface
- Centralized Provisioning

Phone User Interface

An administrator or a user can configure and use Skype for Business phones via phone user interface. Access to specific features is restricted to the administrator. The default password is "admin"(case-sensitive). Not all features are available on phone user interface. For more information, refer to *Yealink phone-specific user guide*.

Web User Interface

An administrator or a user can configure Skype for Business phones via web user interface. The default user name and password for the administrator to log into the web user interface are both "admin" (case-sensitive). Most features are available for configuring via web user interface. Skype for Business phones support both HTTP and HTTPS protocols for accessing the web user interface.

To access the web user interface from your PC:

- 1. Press the **OK** key on the phone when the phone is idle to obtain its IP address.
- 2. Open a web browser on your computer, and enter the IP address in the address bar (e.g., http://192.168.0.10 or 192.168.0.10).

Login	Gigabit Color IP Phone SIP-T46G				
Username Password					
Co	nfirm	Cancel			

- 3. Press the Enter key on your keyboard.
- Enter the user name (default: admin) and password (default: admin) in the login page and click Confirm.

Centralized Provisioning Method

You can provision multiple phones in two ways:

- **Auto Provisioning Server**: Set up your own provisioning server and customize feature settings using the template configuration files.
- Skype for Business Server: Provision multiple phones with firmware from Skype for Business Server and apply default feature settings.

The next figure illustrates how your phone interoperates with provisioning Server and Skype for Business Server.



Auto Provisioning

Before beginning provisioning, you need to obtain configuration files. There are two configuration files both of which are CFG-formatted. We call these two files Common CFG file and MAC-Oriented CFG file. The Skype for Business phone tries to download these CFG files from the provisioning server during auto provisioning.

You can ask Yealink reseller or Yealink FAE for Common CFG and MAC-Oriented files. You can also obtain the Common CFG file and MAC-Oriented file online:

http://support.yealink.com/documentFront/forwardToDocumentFrontDisplayPage.

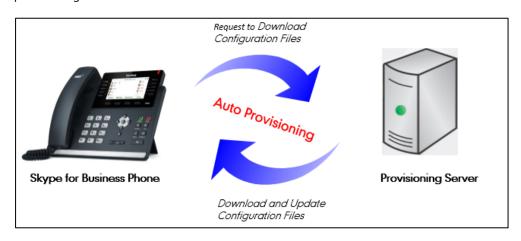
The Common CFG file is effectual for all phones of the same model. It uses a fixed name "y000000000XX.cfg" as the file name, where "XX" equals to the first two digits of the hardware version of the Skype for Business phone model.

The names of the Common CFG file requirements for the phone model are:

Phone Model	Common CFG File		
T48G	y0000000035.cfg		
T46G	y0000000028.cfg		
T42G	y0000000029.cfg		
T41P	y0000000036.cfg		
T40P	Y0000000054.cfg		

The MAC-Oriented CFG files are only effectual for the specific phone. They use the 12-digit MAC address of the Skype for Business phone as the file name. For example, if the MAC address of the Skype for Business phone is 0015651130F9, the MAC-Oriented CFG file has to be named as 0015651130f9.cfg (case-sensitive) respectively.

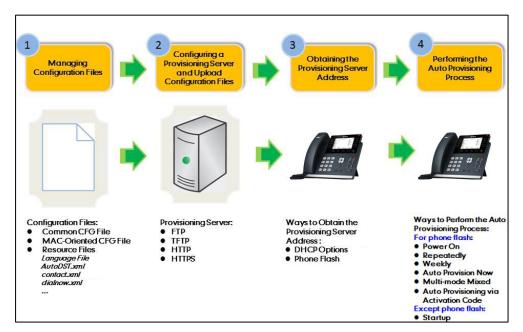
After you edit the configuration files, place them in the provisioning server directory. Yealink Skype for Business phones support using FTP, TFTP, HTTP and HTTPS protocols to download configuration files to the phone. You can use one of these protocols for provisioning. The following figure shows how the Skype for Business phone interoperates with the provisioning server:



Major Tasks for Auto Provisioning

You need to complete four major tasks to provision Yealink Skype for Business phones via auto provisioning.

- 1. Editing the configuration files (Common CFG files or MAC-Oriented files).
- **2.** Configure a provisioning server supporting FTP, TFTP, HTTP or HTTPS protocols. And store configuration files in a location on the provisioning server.
- 3. Make the phones obtain the provisioning server address.
- **4.** Trigger the phones to download and update the configuration files from the provisioning server.



The following figure shows an overview of these tasks:

For more information on how to perform these four provisioning tasks, refer to

Yealink_Microsoft_Skype_for_Business_Edition_IP_Phones_Auto_Provisioning_Guide.

Skype for Business Server

Download firmware in CAB file format and place it on Skype for Business Server. Default feature settings are applied to all your phones.

For more information, refer to Upgrading Firmware from Skype for Business Server on page 45.

Installing a Skype for Business Server Feature License

Skype for Business phone has a built-in Skype for Business Server feature license, which allows user to use Skype for Business features on the phone.

If users purchase phones which aren't running Skype for Business firmware, while the users want to upgrade it to a Skype for Business firmware, then a Skype for Business Server feature license is needed to be uploaded to the phone after the upgrade. Contact Yealink resellers to purchase the license. The following introduces how to install the licence.

Procedure

Skype for Business Server feature license can be configured using the configuration files or locally.

Configuration File	<y0000000000xx>.cfg</y0000000000xx>	Specify the access URL of the Skype for Business Server feature license. Parameter: lync_license_dat.url		
Local	Web User Interface	Specify the access URL of Skype for Business Server feature license. Navigate to: http:// <phoneipaddress>/servlet?p =security-license&q=load</phoneipaddress>		

Details of the Configuration Parameter:

Parameter	Permitted Values	Default
lync_license_dat.url	String within 99 characters	Blank

Parameter	Permitted Values	Default	
Description:			
Configures the access URL of the Skype for B	usiness Server feature license.		
Example:			
lync_license_dat.url = http://192.168.1.20/Lice	ense.dat		
When performing auto provisioning, the phone will request to download the License.dat file			
from the provisioning server address "http://192.168.1.20".			
Web User Interface:			
Security->License			
Phone User Interface:			
None			
Note: If you change this parameter, the Skype for Business phone will reboot to make the			
change take effect.			

To upload the Skype for Business Server feature license via web user interface:

- **1.** Click on **Security**->**License**.
- 2. Click **Browse** to locate the Skype for Business Server feature license from your local system.

Yealink 1466	Status Account	Network	Features	Settings	Directory	Log Out
License Password Trusted Certificates Server Certificates	Import License		Brow	πse Upload		NOTE security-license-note Orac click here to get more guides.

3. Click **Upload** to upload the certificate.

Checking License Installaiton Status

You can check Skype for Business Server feature license installation status via phone user interface or web user interface.

To check installation status of Skype for Business Server feature license via web user interface:

1. Click on Status->SFB Status.

Yealink 1466	Status Account Net		Log Out
	Status Account Net	twork Features Settings Dir	rectory Security
Status	Phone Status		NOTE
Status	License Status	Installed	
SFB Status	Btoe Status	Paired	status-lync-note
Memory Info	CAP	False	You can click here to get more guides.

To check installation status of Skype for Business Server feature license via phone user interface:

1. Press Menu->Status->License.

License		
1. License Status:	Installed	
Back		

Note Resetting the phone to factory configurations will not clear the Skype for Business feature license.

Configuring Phones with Skype for Business

Server

This chapter provides basic operating instructions for the Skype for Business Server phones. Topics include:

- Signing into Skype for Business
- Signing Out of Skype for Business
- Calendar
- User and Administrator Passwords
- Configuring Boss-Admin Feature
- Uploading a Trusted Certificate
- Upgrading Phone Firmware
- Resetting the Phone to Factory Default Settings
- •
- Branch Office Resiliency

Signing into Skype for Business

Skype for Business users are authenticated against Microsoft Active Directory Domain Service. The following four sign-in methods are available.

- **User Sign-in**: This method uses the user's credentials (sign-in address, user name, and password) to sign into Skype for Business Server. This sign-in method is applicable to Onprem account and Online account.
- **PIN Authentication**: This method uses the user's phone number (or extension) and personal identification number (PIN) to sign into Skype for Business Server. This sign-in method is only applicable to Onprem account.
- **Web Sign-in:** This method uses the unique website shown on the phone to sign in. This sign-in method is only applicable to Online account.
- **Sign in via PC**: when your phone is paired with your computer using Better Together over Ethernet (BToE), use the Skype for Business client to sign in. This sign-in method is applicable to Onprem account and Online account.
- **Note** If the phone reboots after successful login, the login credentials from the previous Sign-In will be cached. User can sign in successfully without reentering the credentials.

User Sign-in

You can sign into Microsoft Skype for Business on your phone with your login credentials, which includes your address, username, and password. Your system administrator provides you with your login credentials.

Procedure

User sign-in method can be configured using the configuration files or locally.

		Configure user sign-in method.	
		Parameters:	
Configuration File	<mac>.cfg</mac>	features.user_sign_in.enable	
Configuration rife		account.sign_in.server_address	
		account.sign_in.user_name	
		account.sign_in.password	
		Configure user sign-in method.	
		Navigate to:	
Local	Web User Interface	http:// <phoneipaddress>/servlet?</phoneipaddress>	
Local		p=account-register-lync&q=load	
		&acc=0	
	Phone User Interface	Configure user sign-in method.	

Details of Configuration Parameters:

Parameters	Permitted Values	Default	
features.user_sign_in.enable	0 or 1	1	
Description:			
Enables or disables the user to sign into the phone	using User Sign-in method.		
0 -Disabled			
1-Enabled			
Web User Interface:			
None			
Phone User Interface:			
None			
account.sign_in.server_address SIP URI Blan			
Description:			

Parameters	Permitted Values	Default	
Configures the sign-in address for the user sign-in	method.		
The value format is username@domain.com.			
Example:			
account.sign_in.server_address= 2216@yealinkuc.com	n		
Web User Interface:			
Account->Register->Login address			
Phone User Interface:			
Sign in->User Sign-in->Address			
account.sign_in.user_name String within 128 characters Blank			
Description:			
Configures the user name for the user sign-in meth	od.		
The value format is username@domain.com or use	rname@domain, domain.com	∖username	
or domain\username.			
Example:			
account.sign_in.user_name= 2216@yealinkuc.com			
Web User Interface:			
Account->Register->Register Name			
Phone User Interface:			
Sign in->User Sign-in->UserName			
	String within 99		
account.sign_in.password	characters	Diamle	
		Blank	
Description:		Blank	
Description: Configures the password for the user sign-in metho	od.	Blank	
•	od.	Blank	
Configures the password for the user sign-in metho	od.	Blank	
Configures the password for the user sign-in metho Web User Interface:	od.	Blank	

To sign into the Skype for Business Server using user sign-in method via web user interface:

- 1. Click on Account->Register.
- 2. Select User Sign in from the pull-down list of Mode.
- **3.** Enter your Skype for Business user's sign-in address (e.g., 2216@yealinkuc.com) in the **Login address** field.

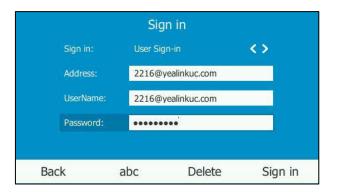
- Enter your Skype for Business user name (e.g., 2216@yealinkuc.com) in the Register Name field.
- 5. Enter the sign-in password in the **Password** field.

Yealink 1466	Status Account Network	k Features Settings Directory	Log Out
	Mode	User Sign in 👻 🥎	NOTE
Register	Register Status	Disabled	
Basic	Extension	2	Login address Provided by the operator login address
Codec	Pin		Register Name
	Login address	2216@yealinkuc.com	Provided by the operator register name.
	Register Name	2216@yealinkuc.com 🕜	Password
	Password	•••••• 🕜	Provided by the operator Password.
	Sign In Sign Out	Cancel	You can click here to get more guides.

6. Click Sign In to accept the change.

To sign into the Skype for Business Server using user sign-in method via phone user interface:

- 1. Press the Sign in soft key.
- 2. Press (•) or (•) or the Switch soft key to select User Sign-in.
- **3.** Enter your Skype for Business user's sign-in address (e.g., 2216@yealinkuc.com) in the **Address** field.
- **4.** Enter your Skype for Business user name (e.g., 2216@yealinkuc.com) in the **UserName** field.
- 5. Enter the sign-in password in the Password field.



6. Press the Sign in soft key.

PIN Authentication

You can sign into Skype for Business on your phone with your PIN Authentication credentials. Your system administrator provides you with your PIN Authentication credentials.

Procedure

PIN Authentication can be configured using the configuration files or locally.

	<y000000000xx>.cfg</y000000000xx>	Configure PIN Authentication method. Parameter: features.pin_authentication.enable
Configuration File	<mac>.cfg</mac>	Configures the extension for the PIN Authentication method. Parameter:
con gui anon i no		account.sign_in.pin_number
		Configures the PIN for the PIN Authentication.
		Parameter:
		account.sign_in.pin_password
		Configure PIN Authentication method.
		Navigate to:
	Web User Interface	http:// <phoneipaddress>/servlet?p=acc ount-register-lync&q=load&acc=0</phoneipaddress>
Local		Configure the certificate address of Skype for Business Server.
		Navigate to:
		http:// <phoneipaddress>/servlet?p=fea tures-general&q=load</phoneipaddress>
	Phone User Interface	Configure PIN Authentication.

Details of Configuration Parameters:

Parameters	Permitted Values	Default		
features.pin_authentication.enable	0 or 1	1		
Description:				
Enables or disables the user to sign into the phone using PIN Authentication method.				
0 -Disabled				

Parameters	Permitted Values	Default		
1-Enabled		L		
Web User Interface:				
None				
Phone User Interface:				
None				
account.sign_in.pin_number String within 128 characters Blank				
Description:				
Configures the Skype for Business phone's extension	n for the PIN Authentication r	nethod.		
Web User Interface:				
Account->Register->Extension				
Phone User Interface:				
Sign in->PIN Authentication->Extension				
account.sign_in.pin_password String within 99 characters Blank				
Description:				
Configures the PIN for the PIN Authentication meth	od.			
Web User Interface:				
Account->Register->Pin				
Phone User Interface:				

To sign into the Skype for Business Server using PIN Authentication method via web user interface:

- **1.** Click on **Account**->**Register**.
- 2. Select Pin Authentication from the pull-down list of Mode.
- **3.** Enter your Skype for Business user's phone number or extension (e.g., 2216) in the **Extension** field.

4. Enter your personal identification number (e.g., user2216) in the Pin field.

Yealink 1466	Status Account Netwo	rk Features Settings Director	Log Out
	Mode	Pin Authentication 👻 🥐	NOTE
Register	Register Status	Disabled	
Basic	Extension	2216	Login address Provided by the operator login address
Codec	Pin	•••••• 🕜	Register Name
	Login address	0	Provided by the operator register name.
	Register Name	()	Password
	Password	0	Provided by the operator Password.
	Sign In Sign Out	Cancel	You can click here to get more guides.

5. Click Sign In to accept the change.

If there is no DHCP Server in your environment, you may fail to sign in phone using PIN Authentication method, you can manually configure the certificate address of Skype for Business Server to make the phone sign in successfully.

To manually configure the certificate address of Skype for Business Server via web user interface:

- 1. Click on Features->General Information.
- 2. Enter the certificate address of Skype for Business Server in the SFB Cert Service URL field.

				Log Out
Yealink 1466				
	Status Account Netwo	rk Features Settin	gs Directory	Security
	General Information 🛛 💡			NOTE
General Information	Call Waiting	Enabled 👻	0	
Audio	Key As Send	#	0	Call Waiting This call feature allows your phone to accept other incoming
	Busy Tone Delay (Seconds)	0 💌	0	calls during the conversation.
Remote Control	Return code when refuse	603 (Decline) 🔻	0	Key As Send Select * or # as the send key.
Bluetooth	Time-Out for Dial-Now Rule	1	0	You can click here to get
LED				more guides.
		:		
	Send Pound Key	Disabled -	0	
	Fwd International	Enabled •	0	
	Diversion/History-Info	Disabled •	0	
	Auto-Logout Time(1~1000mir		0	
	Call Number Filter		0	
	Voice Mail Tone	Enabled -	0	
	DHCP Hostname	SIP-T46G	0	
	E911 Location Tip	Enabled -	0	
	Update Checking Time	24	0	
	Use DHCP Option 120	Disabled -	0	
	SFB Cert Service URL	https://xmpool.yealinkuc.co	0	
	Enable SFB Automation	Disabled -	0	
	SFB Inactive Time	5	0	
	SFB Away Time	5	0	
	Web Sign in	Enabled -	0	
	Remember Password	Disabled 👻	•	
	History Record Contacts Avato	r Enabled -		
	Confer			
	Confirm	Cancel		

3. Click **Confirm** to accept the change.

To sign into Skype for Business Server using PIN Authentication method via phone user interface:

- 1. Press the Sign in soft key.
- **2.** Press (\cdot) or (\cdot) , or the **Switch** soft key to select **PIN Authentication**.
- 3. Enter your phone number or extension (e.g., 2216) in the Extension field.
- 4. Enter your PIN in the **PIN** field.



5. Press the Sign in soft key.

Web Sign-in

You can sign into your Skype for Business Online account using the Web Sign-In method, which allows you to sign into the phone with your Skype for Business Online account using a web browser. Your system administrator provides you with your login credentials.

Procedure

Web sign-in can be using the configuration files or locally.

		Configures the Server URL for device pairing. Parameter:	
Configuration	<y0000000000xx>.cfg</y0000000000xx>	features.device_pairing.url	
File		Configure web sign-in method.	
		Parameter:	
		features.device_pairing_for_online.enable	
		Configure web sign-in method.	
Local	Web User Interface	Navigate to:	
		http:// <phoneipaddress>/servlet?p=acco unt-register-lync&q=load&acc=0</phoneipaddress>	
	Phone User Interface	Configure web sign-in method.	

Details of Configuration Parameters:

Parameters	Permitted Values	Default				
features.device_pairing_for_online. enable	0 or 1	1				
Description:						
Enables or disables the user to sign into	o the phone using web	sign-in method.				
0 -Disabled						
1-Enabled						
Web User Interface:						
Features->General Information->Web Sign in						
Phone User Interface:						
None						
features.device_pairing.url	URL within https://bootstrap.pinauth.s 512characters ices.skypeforbusiness.com,					
Configures the Server URL for device pairing, so that you can sign into the phone using web						
sign-in method.						
Example:						
features.device_pairing.url= https://bootstrap.pinauth.services.skypeforbusiness.com/						

To configure web sign-in via web user interface:

1. Click on Features->General Information.

- 2. Select the desired value from the pull-down list of **Web Sign in**.
 - If it is enabled, you can sign into the Skype for Business Server using web sign-in method.

 If it is disabled, you cannot sign into the Skype for Business Server using web sign-in method.

			Log Out
Yealink 1466	Status Account Network	Features Settings Directory	Security
General	General Information 💡		NOTE
Information	Call Waiting	Enabled 🔻 🕜	Call Waiting
Audio	Key As Send	# 🗸 🕜	This call feature allows your phone to accept other incoming
	Busy Tone Delay (Seconds)	0 🗸 🔇	calls during the conversation.
Remote Control	Return code when refuse	603 (Decline) 👻 🥎	Key As Send Select * or # as the send key.
Bluetooth	Time-Out for Dial-Now Rule	1 2	You can click here to get
LED	Dial Search Delay	1 2	more guides.
	:		
	•		
	E911 Location Tip	Enabled 👻 🥎	
	Update Checking Time	24 🕜	
	Use DHCP Option 120	Disabled 👻 🥝	
	SFB Cert Service URL	•	
	Enable SFB Automation	Disabled 🗸 🥥	
	SFB Inactive Time	5 ?	
	SFB Away Time	5	
	Web Sign in	Enabled -	
	Remember Password	Disabled -	
	History Record Contacts Avator	Enabled -	
	Confirm	Cancel	

3. Click **Confirm** to accept the change.

To sign into Skype for Business Server using Web Sign-in method via phone user interface:

- 1. Press the **Sign in** soft key.
- **2.** Press (\cdot) , (\cdot) or the **Switch** soft key to select **Web Sign-in**.

	Sign in		
Sign in:	Web Sign-in	<>	
Please click o	n Sign in to get the pairing	code and URI	
		couc and one	

3. Press the Sign in soft key.

The screen will show the pairing code and URL.



- 4. Enter the URL (e.g., http://aka.ms/sphone) into your web browser.
- 5. On the Skype for Business Authentication website, enter your email address (e.g., zhangdx@example.com) in the **Email address** field.

Skype for Business Web Sign-in			
Enter your work or school email address.			
zhangdx@example.com			
Verify email			

6. Click Verify email to check the validity of the email address.

The sign-in screen will appear if the email address is valid.

Office 365
Work or school, or personal Microsoft account
Email or phone
Password
Keep me signed in
Sign in
Can't access your account?

- 7. Enter your Online account and password.
- **8.** (Optional) Check the **Keep me signed in** checkbox, so that you don't need to enter a password next time.
- 9. Click Sign in.
- 10. Enter the pairing code generated on the phone (e.g., GN7GUR3BK) into the web browser.

Device Login	
Enter the code that you received from the application on your device	
GN7GUR3BK	
Yealink Skype for Business Certified Phone Application publisher:	
Click cancel if you received this code from a different application.	
Continue Cancel	

- 11. Click Continue.
- **12.** Click the account to sign in.

A confirmation message is displayed when your phone successfully signs into Skype for Business.

Signing in via PC

You can use this sign-in method when using the Better Together over Ethernet (BToE) feature. The BToE feature enables you to place, answer, and hold audio calls from your phone and the Skype for Business client simultaneously. Note that this method is available after you download the BToE Connector application and pair your computer and phone. For more information, refer to *Better Together over Ethernet* chapter in *Yealink phone-specific user guide*.

Procedure

BToE can be configured using the configuration files.

		Configure BToE feature.
		Parameters:
		sip.btoe.enable
Configuration File	<y000000000xx>.cfg</y000000000xx>	features.sign_in_via_btoe.enable
riic		Configures the BToE pairing mode.
		Parameters:
		sip.btoe.pairing_mode
		Configure BToE feature.
		Navigate to:
		http:// <phoneipaddress>/servlet?p=settin</phoneipaddress>
	Web User Interface	gs-btoe&q=load
Local		Configures the BToE pairing mode.
Local		Navigate to:
		http:// <phoneipaddress>/servlet?p=settin</phoneipaddress>
		gs-btoe&q=load
	Phone User Interface	Configure BToE feature.
		Configures the BToE pairing mode.

Details of Configuration Parameters:

Parameters	Permitted Values	Default			
sip.btoe.enable	0 or 1	1			
Description:	·				
Enables or disables the BToE (Better Together over Ethernet	t) feature.				
0-Disabled					
1-Enabled					
If it is set to 1 (Enabled), BToE is enabled on the phone. Your phone can pair with Skype for Business Client.					
If it is set to 0 (Disabled), BToE is disabled on the phone. Your phone cannot pair with Skype for Business Client.					
Web User Interface:					
Settings->BToE->BToE					
Phone User Interface:					

Parameters	Permitted Values	Default				
Menu->Features->BToE->BToE						
features.sign_in_via_btoe.enable 0 or 1 1						
Description:						
Enables or disables the user to sign into the phone via Skyp	e for Business client.					
0-Disabled						
1-Enabled						
Note: It works only if the value of the parameter "sip.btoe.e	nable" is set to 1 (Ena	bled).				
If it is set to 1 (Enabled), make sure your phone has paired v using BToE software, so that you can sign into the phone via						
Web User Interface:						
None						
Phone User Interface:						
None						
sip.btoe.pairing_mode 0 or 1 0						
Description:						
Configures the BToE pairing mode.						
If it is set to 0 (Auto), you can pair your phone and computer without a pairing code.						
If it is set to 1 (Manual), your phone will generate a pairing code when pairing with computer. You need to enter the pairing code on your BToE software manually to pair your phone and computer.						
Note: It works only if the value of the parameter "sip.btoe.enable" is set to 1 (Enabled).						
Web User Interface:						
Settings->BToE->BToE Paring Mode						
Settings->BIOE->BIOE Paring Mode						
Phone User Interface:						

To configure BToE feature via web user interface:

- 1. Click on Settings->BToE.
- 2. Select the desired value from the pull-down list of **BToE**.

3. Select the desired generation from the pull-down list of BToE Pairing Mode.

Yealink 1466							Log Out
	Status	Account	Network	Features	Settings	Directory	Security
Preference Time&Date Upgrade Auto Provision Configuration Dial Plan Voice Tones		BTOE BTOE BTOE Pairing Stat BTOE pairing Mode	us	Enabled paired(unsigned) Auto Cancel	•		NOTE settings-btoe-note You can click here to get more guides.
Phone Lock Location EXP Module BTOE							

4. Click **Confirm** to accept the change.

To configure BToE feature via phone user interface:

- 1. Press Menu-> Features->BToE.
- **2.** Press (\cdot) or (\cdot) , or the **Switch** soft key to select **Enabled** from the **BToE** field.
- Press (•) or (•), or the Switch soft key to select the pairing mode from the BToE Pairing Mode field.

The default value is Auto.

	BToE				
1. BToE:	Enabled	<>			
2. BToE Pairing Status: Paired(Not signed in)					
3. BToE Pairing Mode:	Auto	<>			
Back	Switch	Save			

4. Press the Save soft key to accept the change or the Back soft key to cancel.

To use the BToE feature and sign in:

- **1.** Download and install the Yealink BToE Connector application to your computer.
- 2. Sign into the Skype for Business client on your computer.
- **3.** Enable BToE and pair your phone with your computer. For more information on how to pair, refer to *Better Together over Ethernet* chapter in *Yealink phone-specific user guide*.
- **4.** When no user signs into the phone, a logon dialog will pop up on the Skype for Business client on your computer to prompt you to enter the password.

5. Enter your password and sign in.

Now that the same account is signed into your phone and the Skype for Business client, your computer and phone are paired, and BToE is activated. You can manage calls on your phone using the Skype for Business client.

If the Skype for Business Server is configured to forcibly lock the phone. You need to configure an unlock PIN at the initial sign-in.

Signing Out of Skype for Business

Procedure

Sign-out can be configured locally.

Local		Sign out of Skype for Business Server.	
	Web User Interface	Navigate to:	
	Web oser interface	http:// <phoneipaddress>/servlet?</phoneipaddress>	
		p=account-register-lync&q=load &acc=0	
	Phone User Interface	Sign out of Skype for Business Server.	

To sign out of Skype for Business Server via web user interface:

1. Click on **Account**->**Register**.

Yealink 1466	Status Account Netw	ork Features Settings Director	Log Out
Register	Mode	User Sign in 🔹 💡	NOTE
Basic	Register Status Login address	Registered 2216@yealinkuc.com	Login address Provided by the operator login address
Codec	Register Name Password	2216@yealinkuc.com	Register Name Provided by the operator
	Sign In Sign Out	Cancel	register name. Password Provided by the operator Password.

2. Click Sign Out to accept the change.

To sign out of Skype for Business Server:

- 1. Press the **Status** soft key.
- 2. Press ()or ()to select Sign Out.

The phone signs out of Skype for Business server.

Account S	tatus
6. 🔾 🖷 Away	^
7. O Reset Status	
8. 🔘 Sign Out	
	ļ
Back	Select

After you sign out of Skype for Business, the account-related features (calling, viewing Skype for Business contacts, calendar, etc.) are not available. However, you can still use other phone features.

Calendar

Yealink Skype for Business phones integrates with the Microsoft Exchange calendar feature. If your phone is configured to connect to the Microsoft Exchange Server, and the Microsoft® Outlook® application is installed at your site, the Skype conference, appointment, meeting and event scheduled on Microsoft Outlook application will appear on your phone.

To use the calendar feature on your phone, you must sign into the phone using User Sign-in, Web Sign-in or Signing in via PC method.

Procedure

Calendar can be configured using the configuration files only.

		Configure calendar feature. Parameters:
		sfb.calendar.enable
Configuration File	<y0000000000xx>.cfg</y0000000000xx>	Configures the interval (in seconds) for the phone to automatically check if any calendars update available on Microsoft Exchange Server.
		Parameters:
		phone_setting.calendar.update_time

Details of Configuration Parameters:

Parameters	Permitted Values	Default
sfb.calendar.enable	0 or 1	1

Parameters	Permitted Values	Default	
Description:			
Enables or disables the calendar feature.			
0 -Disabled			
1-Enabled			
If it is set to 1 (Enabled), user can use cale	ndar feature on the Sky	pe for Business phone.	
If it is set to 0 (Disabled), user cannot use calendar feature on the Skype for Business phone.			
Web User Interface:			
None			
Phone User Interface:			
Menu->Calendar			
phone_setting.calendar.update_time	Integer from 0 to 1000	300	
Description:			
It configures the interval (in seconds) for the phone to automatically check if any calendars update available on Microsoft Exchange Server.			
If it is set to 300 (in seconds) , the phone will check if any calendar update available on the Microsoft Exchange Server every 300 seconds. If an update is available, the phone will download the calendars.			
Web User Interface:			
None			
Phone User Interface:			
i none oser interface.			

User and Administrator Passwords

Some menu options are protected by two privilege levels, user and administrator, each with its own password. When logging into the web user interface, you need to enter the user name and password to access various menu options. The default user password is "user" and the default administrator password is "admin"

For security reasons, the user or administrator should change the default user or administrator password as soon as possible. A user or an administrator can change the user password. The administrator password can only be changed by an administrator.

Advanced menu options are strictly used by administrators. Users can configure them only if they have administrator privileges.

Procedure

User or administrator password can be changed using the following methods.

Configuration File	<y0000000000xx>.cfg</y0000000000xx>	Change the user or administrator password of the phone. Parameter: security.user_password
Local	Web User Interface	Change the user or administrator password of the phone. Navigate to : http:// <phoneipaddress>/servlet?p =security&q=load</phoneipaddress>
	Phone User Interface	Change the administrator password of the phone.

Details of the Configuration Parameter:

Parameter	Permitted Values	Default	
static.security.user_password	String within 32 characters	user	
Description:			
Configures the password of the user or admi	nistrator for phone's web user interf	ace access.	
The phone uses "user" as the default user password and "admin" as the default administrator password.			
The valid value format is username:new pass	word.		
Example:			
static.security.user_password = user:123 means setting the password of user (current user name is "user") to password 123.			
static.security.user_password = admin:456 means setting the password of administrator (current user name is "admin") to password 456.			
Note : The phones support ASCII characters 32-126(0x20-0x7E) in passwords. You can set the password to be empty via web user interface only.			
Web User Interface:			
Security->Password			
Phone User Interface:			
Menu->Advanced (default password: admin) ->Set Password			
Note : You cannot change the user password via phone user interface.			

To change the user or administrator password via web user interface:

- 1. Click on Security->Password.
- 2. Select the desired value (user or admin) from the pull-down list of User Type.
- 3. Enter new password in the New Password and Confirm Password fields.

Valid characters are ASCII characters 32-126(0x20-0x7E) except 58(3A).

Yealink 1466			Log Out
	Status Account Network	Features Settings	Directory Security
License	User Type	user 🗸 🌒	NOTE
Password	Old Password	0	User Type
	New Password	•••••• ()	Select your type. If you log in as user, you can only change
Trusted Certificates	Confirm Password	•••••• 😢	your own password. If you login as an administrator, you can
Server Certificates			modify both the user's and admin's passwords.
	Confirm	Cancel	You can click here to get more guides.

4. Click **Confirm** to accept the change.

Note If logging into the web user interface of the phone with the user credential, you need to enter the old user password in the **Old Password** field.

To change the administrator password via phone user interface:

- 1. Press Menu-> Advanced (default password: admin) -> Set Password.
- 2. Enter the current administrator password in the Current PWD field.
- 3. Enter new password in the New PWD field and Confirm PWD field.

Valid characters are ASCII characters 32-126(0x20-0x7E).

4. Press the **Save** soft key to accept the change.

Configuring Boss-Admin Feature

The boss-admin feature, which is also called boss-delegate feature, enables a "boss" phone and delegates' phones to ring simultaneously when a user calls the boss. When one party answers the call, the other phone will stop ringing. A boss can assign delegates and delegates can manage calls on behalf of the boss's line. For more information, refer to *Yealink phone-specific user guide*.

To assign delegates using Skype for Business client:

- 1. Open Skype for Business client.
- 2. Sign into Skype for Business client as the person who wants to assign a delegate.
- **3.** Click the \blacktriangleright button, and then click **Call Forwarding Settings**.
- 4. Mark the radio box in Simultaneously ring field.

5. Select My Delegates from the pull-down list of Simultaneously ring.

Skype for Business - Options	
Skype for Business - Options General Personal Contacts List Status My Picture Phones Alerts IIM Ringtones and Sounds Audio Device Video Device Call Forwarding File Saving Recording Skype Meetings	Call forwarding Call forwarding Cals will ring you at work and not be forwarded. Cals will ring you at work and not be forwarded. Cals will be forwarded immediately and not ring your work number. Cals will be forwarded immediately and not ring your work number. Cals will ring you at work and also 2248@yealinkuc.com New Number Your current call forwarding settings: My Delegates Your current call forwarding settings: My Delegates These settings will apply: <u>All the time</u> Edit my team-call group members Edit my delegate members
	OK Cancel Help
	OK Cancel Help

6. In the **Delegates** dialog box, click **Add**. Each delegate must be a Skype for Business contact.

Call Forwardin	g - Delegates		×
Delegates can s	chedule Skype Meetings, make calls, and receive	e calls (if the box is checked) on your behalf.	
Receive Calls	Delegate		
Add	Remove		
Ring your deleg	ates after this many seconds: 0 - at the same	ne time 🔻	
		OK	

7. Select the desired delegates from the **Choose a Delegate** dialog box.

	×
Choose a Delegate	
Choose a contact to answer your calls.	
1	
Lin Wei - Offline 1 day	
2224-cgc - Away 15 mins - No IM	
2228 - Offline 11 days	
William - Offline 2 days	
<u>O</u> K Cance	ł

- 8. Click **OK**.
- 9. Click **OK** in the **Delegates** dialog box.
- 10. Click OK in the Options dialog box.

To view your delegates when you are a boss:

Once you assign delegates on the Skype for Business Server client, a Delegates group will be added your phone automatically.

- 1. Press the **Directory** soft key.
- **2.** Press (\bullet) or (\bullet) to select **Delegates**, and then presss the **Enter** soft key.

Your delegate(s) will be displayed.

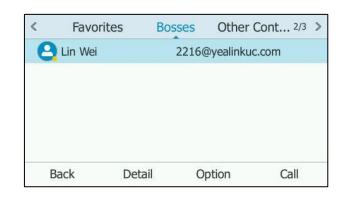


To view your bosses when you are a delegate:

Once you are assigned to be a delegate on the Skype for Business Server client, a Bosses group will be added to your phone automatically.

- 1. Press the **Directory** soft key.
- **2.** Press (\bullet) or (\bullet) to select **Bosses**, and then presss the **Enter** soft key.

Your boss(es) will be displayed.



To remove a delegate from Skype for Business client:

- **1.** Open Skype for Business client.
- 2. Sign into Skype for Business client as the person who wants to remove a delegate.

Make sure **My Delegates** option is not selected in either the **Simultaneously ring** or **Forward my calls to** list.

3. Click Edit my delegate members.

4. Check the checkbox of the delegate you want to remove.

Call Forwarding - Delegates	×
Delegates can schedule Skype Meetings, make calls, and receive calls (if the box is checked) on your behalf.	
Party of Palat	
Receive Calls Delegate Merry	
Add Remove	
Ring your delegates after this many seconds: 0 - at the same time -	
OK Cance	

- 5. Click Remove.
- 6. Click OK in the Delegates dialog box.
- 7. Click OK in the Options dialog box.

Uploading a Trusted Certificate

When the Skype for Business phone requests a TLS connection with a server, the Skype for Business phone should verify the certificate sent by the server to decide whether it is trusted based on the trusted certificates list.

The Skype for Business phone has 49 built-in trusted certificates. You can upload 10 custom certificates at most. The format of the trusted certificate files must be *.pem,*.cer,*.crt and *.der and the maximum file size is 5MB.

Yealink Skype for Business phones trust the following CAs by default:

- DigiCert High Assurance EV Root CA
- Deutsche Telekom AG Root CA-2
- Equifax Secure Certificate Authority
- Equifax Secure eBusiness CA-1
- Equifax Secure Global eBusiness CA-1
- GeoTrust Global CA
- GeoTrust Global CA2
- GeoTrust Primary CA
- GeoTrust Primary CA G2 ECC
- GeoTrust Universal CA
- GeoTrust Universal CA2
- Thawte Personal Freemail CA
- Thawte Premium Server CA
- Thawte Primary Root CA G1 (EV)

- Thawte Primary Root CA G2 (ECC)
- Thawte Primary Root CA G3 (SHA256)
- Thawte Server CA
- VeriSign Class 1 Public Primary Certification Authority
- VeriSign Class 1 Public Primary Certification Authority G2
- VeriSign Class 1 Public Primary Certification Authority G3
- VeriSign Class 2 Public Primary Certification Authority G2
- VeriSign Class 2 Public Primary Certification Authority G3
- VeriSign Class 3 Public Primary Certification Authority
- VeriSign Class 3 Public Primary Certification Authority G2
- VeriSign Class 3 Public Primary Certification Authority G3
- VeriSign Class 3 Public Primary Certification Authority G4
- VeriSign Class 3 Public Primary Certification Authority G5
- VeriSign Class 4 Public Primary Certification Authority G2
- VeriSign Class 4 Public Primary Certification Authority G3
- VeriSign Universal Root Certification Authority
- Microsoft_IT_SSL_SHA2.cer
- CNNIC_Root.cer
- baltimoreCyberTrust.cer
- UserTrust.cer
- AAA Certificate Services.cer
- DigiCert Assured ID Root CA.cer
- Entrust.net Certification Authority (2048).cer
- Entrust Root Certification Authority
- Entrust.net Secure Server Certification Authority
- GTE CyberTrust Global Root.cer
- Starfield Class 2 Certification Authority.cer
- AddTrust External CA Root
- Go Daddy Class 2 Certification Authority
- StartCom Certification Authority
- DST Root CA X3
- ISRG Root X1 (intermediate certificates: Let's Encrypt Authority X1 and Let's Encrypt Authority X2 are signed by the root certificate ISRG Root X1.)
- Baltimore CyberTrust Root
- AddTrust External CA Root

• Starfield Root Certificate Authority - G2

Note Yealink endeavors to maintain a built-in list of the most commonly used CA Certificates. Due to memory constraints, we cannot ensure a complete set of certificates. If you are using a certificate from a commercial Certificate Authority not in the list above, you can send a request to your local distributor. At this point, you can upload your particular CA certificate into your phone.

DST Root CA X3, ISRG Root X1, Let's Encrypt Authority X1, Let's Encrypt Authority X2, Baltimore CyberTrust Root, AddTrust External CA Root, Starfield Root Certificate Authority - G2 certificates are only applicable to T48G/T46G/T42G/T41P/T40P Skype for Business phones running firmware version X.8.0.50 or later.

Uploading a Trusted Certificate from the Provisioning

Server

Procedure

Configuration changes can be performed using the configuration files or locally.

		Upload the trusted certificates.		
Configuration File	<y000000000xx>.cfg</y000000000xx>	Parameter:		
		trusted_certificates.url		
Local		Upload the trusted certificates.		
	Web User Interface	Navigate to:		
		http:// <phoneipaddress>/servlet?p=ser</phoneipaddress>		
		ver-cert&q=load		

Details of Configuration Parameters:

Parameters	Permitted Values	Default						
trusted_certificates.url	URL within 511 characters	Blank						
Description:								
Configures the access URL of the custom trusted	Configures the access URL of the custom trusted certificate used to authenticate the							
connecting server.								
Example:								
trusted_certificates.url = http://192.168.1.20/tc.crt								
Note: The certificate you want to upload must be in *.pem, *.crt, *.cer or *.der format.								
Web User Interface:								
Security->Trusted Certificates->Load trusted cert	ificates file							

Parameters	Permitted Values	Default
Phone User Interface:		
None		

Uploading a Trusted Certificate via Web User Interface

To upload a trusted certificate via web user interface:

- 1. Click on Security->Trusted Certificates.
- 2. Click Browse to select the certificate (*.pem, *.crt, *.cer or *.der) from your local system.

							Log Out
	fealink 1466	Status	Account	Network Fea	atures Settings	Directory	Security
1	License	Index ID	Issued To	Issued By	Expiration	Delete	NOTE
		1	yealinkuc-YLAD-CA-1		Jan 12 11:40:48 2020 G	мт	
	Password	2					Trusted Certificates The trusted certificates list.
	Trusted Certificates	3					You can click here to get
	Server Certificates	4					more guides.
		5					
		6					
		7					
		8					
		9					
		10					
						Delete	
				Only Accept Trusted Ce	rtificates Disabled	• 0	
				Common Name Validation	n Disabled	• 🕜	
				CA Certificates	All Certificates	• 📀	
		In	port Trusted Certif	icates 🕜			
		Lo	ad trusted certificates	s file Browse No	o file selected.	Upload	
			Confir	m	Cancel		

3. Click **Upload** to upload the certificate.

Upgrading Phone Firmware

Common reasons for updating firmware include fixing bugs or adding features to the device. You can download the latest firmware for your product online:

http://support.yealink.com/documentFront/forwardToDocumentFrontDisplayPage.

Yealink supports three methods to upgrade phone firmwares:

- **Upgrade firmware from provisioning server**: Download firmware in ROM file format, and use auto provisioning method to upgrade the firmware. This method requires setting up a provisioning server, and uses configuration files to provision the phone.
- Upgrade firmware via web user interface: Download firmware in ROM file format from Yealink website, and upload it to the phone via web user interface. This method can deploy small number of phones.
- **Upgrade firmware from Skype for Business Server**: Download firmware in CAB file format, and place the firmware on Skype for Business Server to provision the phones.

The following table lists the associated and latest firmware name for each Skype for Business phone model (X is replaced by the actual firmware version).

Phone Model	Associated Firmware Name	Firmware Name(.rom)	Firmware Name(.cab)
T48G	35.x.x.rom	35.8.0.60.rom	Yealink_ver_35.8.0.60.cab
T46G	28.x.x.rom	28.8.0.60.rom	Yealink_ver_28.8.0.60.cab
T42G/T41P	29.x.x.rom	29.8.0.60.rom	Yealink_ver_29.8.0.60.cab
T40P	54.x.x.rom	54.8.0.60.rom	Yealink_ver_54.8.0.60.cab

Note

Do not unplug the network and power cables when the phone is upgrading firmware.

Upgrading Firmware from the Provisioning Server

Skype for Business phones support using FTP, TFTP, HTTP and HTTPS protocols to download configuration files and firmware from the provisioning server, and then upgrade firmware automatically.

Skype for Business phones can download firmware stored on the provisioning server in one of two ways:

- Check for configuration files and then download firmware during startup.
- Automatically check for configuration files and then download firmware at a fixed interval or specific time.

Method of checking for configuration files is configurable.

Procedure

Configuration changes can be performed using the configuration files or locally.

Configuration File	<y000000000xx>.cfg</y000000000xx>	Configure the way for the Skype for Business phone to check for configuration files. Parameters: auto_provision.power_on auto_provision.repeat.enable auto_provision.repeat.minutes auto_provision.weekly.enable auto_provision.weekly.begin_time auto_provision.weekly.end_time auto_provision.weekly.dayofweek Specify the access URL of firmware. Parameter: firmware.url Configure the phone to be reset to factory after an upgrade. Parameter: auto_provision_reset_factory_enable
		auto_provision.reset_factory.enable
Local	Web User Interface	Configure the way for the Skype for Business phone to check for configuration files. Navigate to: http:// <phoneipaddress>/servlet?p=setti ngs-autop&q=load</phoneipaddress>

Details of Configuration Parameters:

Parameters	Permitted Values	Default					
auto_provision.power_on	0 or 1	1					
Description:							
Triggers the power on feature to on or off.							
0 -Off							
1 -On							
If it is set to 1 (On), the Skype for Business p	phone will perform an auto provisioni	ng process					

Parameters	Permitted Values	Default						
when powered on.								
Web User Interface:								
Settings->Auto Provision->Power On								
Phone User Interface:								
None								
auto_provision.repeat.enable	0 or 1	0						
Description:								
Triggers the repeatedly feature to on or off.								
0-Off								
1 -On								
If it is set to 1 (On), the Skype for Business p	phone will perform an auto provisionir	ng process						
repeatedly.								
Web User Interface:								
Settings->Auto Provision->Repeatedly								
Phone User Interface:								
None								
auto_provision.repeat.minutes	Integer from 1 to 43200	1440						
Description:								
Configures the interval (in minutes) for the provisioning process repeatedly.	Skype for Business phone to perform	an auto						
Note : It works only if the value of the paran (On).	neter "auto_provision.repeat.enable" i	s set to 1						
Web User Interface:								
Settings->Auto Provision->Interval(Minutes	5)							
Phone User Interface:								
None								
auto_provision.weekly.enable 0 or 1 0								
Description:								
• Triggers the weekly feature to on or off.								
riggers the weekly leature to on or on.								
0-Off								

Parameters	Permitted Values	Default
weekly.		
Web User Interface:		
Settings->Auto Provision->Weekly		
Phone User Interface:		
None		
auto_provision.weekly.begin_time	Time from 00:00 to 23:59	00:00
Description:		
Configures the begin time of the day for the provisioning process weekly.	e Skype for Business phone to perforr	n an auto
Note : It works only if the value of the parar (On).	neter "auto_provision.weekly.enable" i	s set to 1
Web User Interface:		
Settings->Auto Provision->Time		
Phone User Interface:		
None		
auto_provision.weekly.end_time	Time from 00:00 to 23:59	00:00
Description:		
Configures the end time of the day for the sprovisioning process weekly.	Skype for Business phone to perform	an auto
Note : It works only if the value of the parar (On).	neter "auto_provision.weekly.enable" i	s set to 1
Web User Interface:		
Settings->Auto Provision->Time		
Phone User Interface:		
None		
auto_provision.weekly.dayofweek	0, 1, 2, 3, 4, 5, 6 or a combination of these digits	0123456
Description:		
Configures the days of the week for the Sky	vpe for Business phone to perform an	auto
provisioning process weekly.		
0 -Sunday		
1 -Monday		
2 -Tuesday		

Parameters	Permitted Values	Default						
3-Wednesday								
4 -Thursday								
5 -Friday								
6 -Saturday								
Example:								
auto_provision.weekly.dayofweek = 01								
It means the Skype for Business phone will Sunday and Monday.	perform an auto provisioning process	every						
Note : It works only if the value of the parar (On).	neter "auto_provision.weekly.enable" i	s set to 1						
Web User Interface:								
Settings->Auto Provision->Day of Week								
Phone User Interface:								
None								
firmware.url	URL within 511 characters	Blank						
Description:								
Configures the access URL of the firmware t	ile.							
Example:								
firmware.url = http://192.168.1.20/28.8.0.60	.rom							
Note: If you change this parameter, the Sky change take effect.	vpe for Business phone will reboot to i	make the						
Web User Interface:								
Settings->Upgrade->Select and Upgrade F	irmware							
Phone User Interface:								
None								
auto_provision.reset_factory.enable	auto_provision.reset_factory.enable 0 or 1 0							
Description:								
Enables or disables the phone to be reset to	o factory after you upgrade the phone	firmware.						
0 -Disabled								
1-Enabled								
Note: This parameter only take effect once. Next time you upgrade the phone firmware, the								
phone will not be reset to factory.								

To configure the way for the Skype for Business phone to check for configuration files via web user interface:

- 1. Click on Settings->Auto Provision.
- 2. Make the desired change.

								Log Out
Yealink 1466	Status	Account	Network	Features	Setti	nas	Directory	Security
	Status	Account	Network	reatures			Directory	Security
Preference	Auto	Provision						NOTE
	PNP A	Active		🖲 On 🔘 Off	0			Auto Provision
Time&Date	DHCP	Active		🖲 On 🔘 Off	0			The auto provision parameters for administrator.
Upgrade	Custo	om Option(128~	254)	160,161	0			
Auto Provision	DHCP	Option Value		MS-UC-Client	0			You can click here to get more guides.
Configuration	Serve	er URL					0	
	User N	Name					0	
Dial Plan	Passw	vord					0	
Voice	Comm	non AES Key				0		
Tones	MAC-C	Oriented AES Ke	Υ			0		
Phone Lock	Zero /	Active		Disabled	•	0		
	Wait ⁻	Time(0~100s)		5		0		
Location	Powe	er On		🖲 On 🔘 Off	0			
EXP Module	Repea	atedly		🔍 On 🔍 Off	0			
BTOE	Interv	val(Minutes)		1440		0		
	Week	kly		🔘 On 🖲 Off	0			
	Time			00 : 00 - 0	00 : 00	0		
	Day o)f Week		Sunday Monday Tuesday Wednesday Wednesday Thursday Friday Saturday Autoprovision	?	Ø		
		Confin	m	(Cancel			

3. Click **Confirm** to accept the change.

When the "Power On" is set to **On**, the Skype for Business phone will check configuration files stored on the provisioning server during startup and then will download firmware from the server.

Upgrading Firmware via Web User Interface

To manually upgrade firmware via web user interface, you need to store firmware to your local system in advance.

To upgrade firmware manually via web user interface:

- 1. Click on Settings->Upgrade.
- 2. Click **Browse** to locate the required firmware from your local system.
- 3. Click Upgrade.

A dialog box pops up to prompt "Firmware of the SIP Phone will be updated. It will take 5 minutes to complete. Please don't power off!".

Yealink 1466	Status Account Networ	rk Features Settings Directory	Log Out
Preference	Version 🕜		NOTE
Time&Date	Firmware Version	28.8.0.60	Reset to Factory Setting Reset all the settings of the
Upgrade	Hardware Version	28.2.0.128.0.0.0	phone to default configurations.
Auto Provision	Reset to Factory Setting	Reset to Factory Setting 🕜	Select and Upgrade Firmware Select and upgrade the file from the hard disk or network.
Configuration	Reboot	Reboot ?	
Dial Plan	Select and Upgrade Firmware 🕜	Browse No file selected. Upgrade	You can click here to get more guides.
Voice			

4. Click **OK** to confirm the upgrade.

Do not close and refresh the browser when the phone is upgrading firmware via web user interface.

Upgrading Firmware from Skype for Business Server

The following section briefly describes the upgrade process. For more detailed information, refer to *Updating Phone Firmware from Microsoft Skype for Business Server Guide.*

To upgrade firmware from Skype for Business Server:

- 1. Download firmware in CAB file format (e.g., Yealink_ver_28.8.0.11.cab) to your computer.
- 2. Go to Skype for Business Server and copy the CAB file to a C: drive directory.
- 3. Use the Windows PowerShell to go to a particular directory.
- 4. In the Windows PowerShell, run the following import command:

Import-CsDeviceUpdate -Identity

"service:webserver:fepool.cohowinery.cohovineyard.com" -FileName c:\Yealink_ver_28.8.0.11.cab

The -Identity value format is important and must be exactly service:webServer:< Skype for Business FQDN>, while the -FileName value is simply an absolute path of the CAB file.

-> c.,users/administrator.coHOWINERYS PS C:\Users\administrator.COHOWINERYS Import-CsDeviceUpdate -Identity "service:webserver:fepool.cohowinery.cohovineyard. com" -FileName c:\Yealink_ver_28.8.0.11.cab_

Note

5. In the Skype for Business Control Panel, click on **Clients ->DEVICE UPDATE** to view firmware versions available on Skype for Business Server.

lome	CLIENT VERSION POLICY	CLIENT VERSION CONFIGURATION	DEVICE TEST UPDATE DEVICE	DEVICE LOG CONFIGURATION	DEVICE CONFIGURATION	MOBILITY	PUSH NOTIFICATION CONFIGURATION		
lsers	FOLCI	connonation	OFDATE	Conneonation	CONTROLMION	FOLICI	CONTROLMION		
				Q					
opology				2					
/I and Presence	🥖 Edit 🔻 🛛 Ac	tion 🔻 🔉 Refresh							e
ersistent Chat	Device type	ħ	vlodel	Locale		Pool	A;	pproved version	Pending vers
oice Routing	3PIP	Ŷ	ealink-28	ENU		WebServert	epool1.cohowinery		28.8.0.11
oice Features									
esponse Groups									
onferencing									
ients									
deration and ternal Access									
onitoring nd Archiving									
curity									

6. Click on Clients > DEVICE UPDATE-> Action > Approve to approve the firmware.

The firmware version will be displayed as Approved Version.

lome	CLIENT VERSION POLICY	CLIENT VERSION CONFIGURATION	DEVICE UPDATE	TEST DEVICE	DEVICE LOG CONFIGURATION	DEVICE CONFIGURATION	MOBILITY	PUSH NOTIFICATIO CONFIGURATION	N	
sers										
opology					2					
A and Presence	🥖 Edit 🔻 🗛	tion 🔻 🔉 Refresh								(
ersistent Chat	Device type		Model		Locale		Pool		Approved version	Pendin
pice Routing	3PIP	,	Yealink-28		ENU		WebServerf	epool1.cohowinery	28.8.0.11	
oice Features										
esponse Groups										
onferencing										
lients										
ederation and ternal Access										
onitoring nd Archiving										
curity										

There are two ways for the phones to update firmware from Skype for Business Server:

- Automatic Update
- Manual Update

Automatic Update

When the phone has been signed in, it will update firmware automatically in following situations:

Reboot

When the phone connects to the network and is powered on, it automatically checks if an update is available on Skype for Business Server. If there is an update available on Skype for Business Server, the phone will automatically update firmware.

Regular Update When a User Signs in

If the phone is powered on, and a user signs in, the phone automatically checks if an update is available on Skype for Business Server when the auto update timer (24 hours) expires. If there is an update available on Skype for Business Server, the phone will automatically update firmware.

Note The Skype for Business phone will not perform an update check when a user signs in/out. It only performs an update check when the auto update timer (24 hours) expires. The timer will be cleared when the phone reboots or a user signs in/out.

If no user signs into the phone or there is no update available on Skype for Business Server, the Skype for Business phone will not update firmware automatically when the timer expires.

Manual Update

You can initiate an update immediately, just power off the phone and power on it again. The phone will boot up, check for updates and apply the updates. You can also trigger an update manually via phone user interface.

To trigger an update manually via phone user interface:

1. Press Menu->Advanced (default password: admin)->Firmware Update.

The LCD screen prompts "Update now?".



- 2. Press the Update soft key.
- 3. Press the **OK** soft key to confirm the update.

If there is no update available on Skype for Business Server, the LCD screen prompts "The firmware is the latest".



Resetting the Phone to Factory Default Settings

Reset the phone to factory configurations after you have tried all appropriate troubleshooting suggestions but still have not solved your problems.

When factory resetting the phone, the following happens:

- The call logs will be deleted.
- Passwords will be reset to default.
- All configuration parameters will be reset to default values.
- All custom files will be deleted. Such as, local contacts and registered accounts.

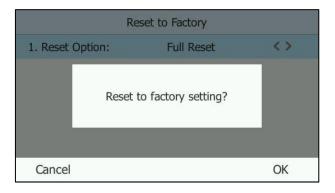
Three ways to reset the phone:

- Full Reset: All configurations and userdata on the phone will be reset.
- Config Reset: All configurations (e.g., account, call history) set on the phone will be reset.
- Userdata Reset: All custom data (e.g., ring tone) set on the phone will be reset.

To reset the phone via phone user interface:

- 1. Press Menu->Advanced (default password: admin) ->Reset to Factory.
- 2. Press (•) or (•) or the **Switch** soft key to select the desired value from the **Reset Option** field.
- 3. Press the Save soft key.

The LCD screen prompts the following warning:



4. Press the **OK** soft key.

The LCD screen prompts "Resetting to factory, please wait...". The phone will be reset to factory settings successfully after startup.

To reset the phone via web user interface:

1. Click on Settings->Upgrade.

Yealink 1466	Status Account Network	Features Settings Directory	Log Out
Preference Time&Date	Version 💡	28.8.0.60	NOTE Reset to Factory Setting Reset all the settings of the
Upgrade Auto Provision	Hardware Version Reset to Factory Setting	28.2.0.128.0.0.0 Reset to Factory Setting	phone to default configurations. Select and Upgrade Firmware Select and upgrade the file from
Configuration Dial Plan Voice	Reboot Select and Upgrade Firmware 🛛 🥥	Reboot ? Browse No file selected. Upgrade	the hard disk or network.

2. Click Reset to Factory Setting in the Reset to Factory Setting field.

The web user interface prompts the message "Do you want to reset to factory?".

3. Click **OK** to confirm the resetting.

The Skype for Business phone will be reset to factory sucessfully after startup.

Note Reset of your phone may take a few minutes. Do not power off until the phone has started up successfully.

Branch Office Resiliency

Branch office resiliency is critical for multi-site deployments of Microsoft Skype for Business Server where the control servers are located at a central site or data center. It allows branch site users to continue to have Enterprise Voice service and voice mail (if voice mail rerouting settings are configured) when the branch site loses the connection to the central site.

When the WAN connection between the branch site and central site is unavailable, the phone goes into resiliency mode:

- Branch site user on the phone stays signed in with an indication of "Limited service due to outage".
- Call between branch site users is established successfully with 2-way audio.
- Conference between branch site users can be established successfully.
- The call history cannot get modified. (Already downloaded call log entries will not be deleted)
- Calls can be placed from the call history on the Skype for Business phone.
- Contact list is unavailable but you can search for a contact on the Skype for Business phone.
- User is not able to change his presence state manually.

- User is not able to use calendar feature.
- User is not able to receive the voice mail as exchange is unreachable and when Skype for Business phone comes out of resiliency mode, it downloads the yet undownloaded voice mail items and updates the voice mail screen.
- Calls between the branch office phones can be transferred to another branch site user.
- Call forward settings cannot be changed.

When the WAN connection between the branch site and central site becomes available, the phone comes out of resiliency mode automatically. You can use phone features as normal.

Note For more information on branch office resiliency, contact your system administrator.

Troubleshooting

This chapter provides an administrator with general information for troubleshooting some common problems that he (or she) may encounter while using Skype for Business phones.

Why can't I sign into Skype for Business on the phone?

- Check your phone is properly connected to the switch or hub.
- Validate your domain name and sign-in information are correct.
- Ensure that DNS address is properly configured on the phone, or DHCP is configured to provide DNS address as part of DHCP response.

How to reboot the phone?

To reboot the phone via web user interface:

- 1. Click on Settings->Upgrade.
- 2. Click Reboot to reboot the Skype for Business phone.

Yealink 1466			Log Out
	Status Account Network	Features Settings Directory	Security
Preference	Version 🕜		NOTE
Time&Date	Firmware Version	28.8.0.60	Reset to Factory Setting Reset all the settings of the
Upgrade	Hardware Version	28.2.0.128.0.0.0	phone to default configurations.
Auto Provision	Reset to Factory Setting	Reset to Factory Setting	Select and Upgrade Firmware Select and upgrade the file from the hard disk or network.
Configuration	Reboot	Reboot	New and aliable bears to part
Dial Plan	Select and Upgrade Firmware 🛛 🕜	Browse No file selected. Upgrade	You can click here to get more guides.
Voice			

Any reboot of the phone may take a few minutes.

How to export PCAP trace?

We may need you to provide a PCAP trace to help analyze your problem.

To export a PCAP trace via web user interface:

- 1. Click on Settings->Configuration.
- 2. Click Start to begin capturing signal traffic.
- 3. Recreate the error to be documented in the trace.
- 4. Click **Stop** to stop the capture.

5. Click Export to open file download window, and then save the file to your local system.

Yealink 1466	Status Account Network	Features Settings Directory	Log Out
Preference	Export or Import Configuration	Browse No file selected.	NOTE
Time&Date		Import Export	Configuration The configuration parameters
Upgrade			for administrator.
Auto Provision	Export Call Log	Export	You can click here to get more guides.
Configuration	Pcap Feature	Start Stop Export 🕜	
Dial Plan	Export System Log	Local Server	
Voice		Export	

Exporting the Global Log File

If your Skype for Business phone encounters some problems, commonly the global log files are needed. You can export the global log files to a local system, a syslog server or the Skype for Business Server. You can also specify the severity level of the global log and module log to be reported. The default global log and module log are 3.

Module	Parameter	Description		
	Local	Export the global log files to a local system (e.g., PC).		
Export System Log	Server	Export the global log files to a syslog server.		
Global Log Level	Global log Level	Specify the severity level of the global log.		
Setting	Max Log File Size (1-3072KB)	Specify the maximum size of the global log.		
	Register Log Level	Specify the severity level of the registration log.		
	Subscribe Log Level	Specify the severity level of the subscription log.		
Module Log Level	Call Log Level	Specify the severity level of the call log.		
Settings	Ice Log Level	Specify the severity level of the ICE log.		
	Btoe Log Level	Specify the severity level of the BToE log.		
	Exchange Log Level	Specify the severity level of the Exchange log.		

Log parameters are described below:

Note Global Log consists of Module logs. The severity level of the exported Module Log will not be greater than the Global Log Level. For example, if you set Global Log Level to 3 and set ICE log Level to 6, the exported ICE log Level will be 3.

The following lists the log level of events you can log:

- 0: system is unusable
- 1: action must be taken immediately
- 2: critical condition
- 3: error conditions
- 4: warning conditions
- 5: normal but significant condition
- 6: informational

Exporting the Global Log File to the Local System

To export a global log file to the local system via web user interface:

- **1.** Click on **Settings**->**Configuration**.
- 2. Mark the Local radio box in the Export System Log field.
- 3. Select the desired log level from the corresponding pull-down list.
- 4. Enter the maximum log size in the Max Log File Size(1-3072KB) field.
- 5. Click **Confirm** to accept the change.

A dialog box pops up to prompt "Do you want to restart your machine?". The configuration will take effect after a reboot.

- 6. Click OK to reboot the Skype for Business phone.
- 7. Reproduce the issue (e.g., account registration).

8. Click **Export** to open file download window, and then save the file to your local system.

	Status Account	Network Features	Settings	Directory	Security
Preference	Export or Import Configu	ration Browse No	file selected.	0	ΝΟΤΕ
ime&Date		Import	Export		Configuration The configuration parameters
Jpgrade					for administrator.
Auto Provision	Export Call Log	Export	0		You can click here to get more guides.
Configuration	Pcap Feature	Start	Stop Exp	ort 🕜	
Dial Plan	Export System Log	● Local ○ Se	ver 🕜		
/oice		Export			
ones	Global Log Level Settin	ıg			
hone Lock	Global log Level	3	• 0		
ocation	Max Log File Size (1-3072	2KB) 3072			
	Module Log Level Sett	ings			
EXP Module	Register Log Level	3	-		
ЗТОЕ	Subscribe Log Level	3	-		
	Call Log Level	3	-		
	Ice Log Level	3	•		
	Btoe Log Level	3	•		
	Exchange Log Level	3	-		

A log file "MAC address-sys.log" is successfully exported to your local system.

Exporting the Global Log File to a Syslog Server

To configure the phone to export the global log file to a syslog server via web user interface:

- **1.** Click on **Settings**->**Configuration**.
- 2. Mark the Server radio box in the Export System Log field.
- Enter the IP address or domain name of the syslog server in the Server Name field.
 For example, the IP address of your syslog server is 192.168.1.100.
- 4. Select the desired log level from the corresponding pull-down list.

5. Enter the maximum log size in the Max Log File Size(1-3072KB) field.

alink 1466	tatus Account Network	k Features Settings Directory	Security
Preference	Export or Import Configuration	Browse No file selected.	NOTE
Fime&Date		Import Export	Configuration The configuration parameters
Jpgrade			for administrator.
Auto Provision	Export Call Log	Export 🕜	You can click here to get more guides.
Configuration	Pcap Feature	Start Stop Export ?	
Dial Plan	Export System Log	O Local Server	
/oice	Server Name	192.168.1.100	
Fones	Global Log Level Setting		
Phone Lock	Global log Level	3 🗸 🖌	
ocation	Max Log File Size (1-3072KB)	3072	
	Module Log Level Settings		
EXP Module	Register Log Level	3 🗸	
ВТОЕ	Subscribe Log Level	3 🗸	
	Call Log Level	3 🗸	
	Ice Log Level	3 🔹	
	Btoe Log Level	3 🔹	
	Exchange Log Level	3 -	

6. Click **Confirm** to accept the change.

A dialog box pops up to prompt "Do you want to restart your machine?". The configuration will take effect after a reboot.

7. Click **OK** to reboot the phone.

The system log will be exported successfully to the desired syslog server (192.168.1.100) after a reboot.

Exporting the Global Log File to the Skype for Business

Server

You can upload global log file to the Skype for Business Server via phone user interface only.

To export a global log file to the Skype for Business Server via phone user interface:

- 1. Press Menu->Basic->Log Upload.
- 2. Press the Upload soft key.

A dialog box pops up to prompt "Log Upload Successfully!". The global log file can be found on the Skype for Business Server at %ocsfilestore%\%domain%-WebServices-1\DeviceUpdateLogs\Cient.