Scenario

The IT team at the headquarters has the rights to configure teams accounts and manage devices. When the IT team wants to configure devices and log in to accounts remotely without the branch being manned or needing much on-site help. By using Yealink Management Cloud Service can easily complete configuration.

YMCS

Yealink Management Cloud Service (YMCS), as a real-time, online, unified and graphical management platform provided by Yealink for the enterprises to use Yealink devices, can help the enterprises to redirect, deploy, manage, analyze, monitor devices and so on.

Supported Version

Yealink Room Connect	2.24.43.0
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Case Operation Procedure

- Case 1: Add Devices to YMCS
- Case 2: Remote Configure Device Account
- Case 3: Remote Configure Custom Theme Image

Case 1: Add Devices to YMCS

Make sure the devices are powered up and connected to the network. The MTR can be configured even out of the box.

	Yealink
Setup	App variable 411.170 Windows variables 1551552031 Providenting variables 15
EULA	Microsoft Software Licence Terms
Account	Last updated March 2020
Cortana	MICROSOFT SOFTWARE LICENSE TERMS MICROSOFT TEAMS ROOMS APPLICATION
≅ Advanced	Thank you for choosing Microsoft! Depending on how you obtained the software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft
✓ Finish	Corporation (or, based on where you line or if a business where your principal place of business is located, one of its affiliated if you capuited the software from a retailer. Microsoft is the device manufacturer for devices produced by Microsoft or one of its affiliates, and Microsoft is the retailer if you acquired the software directly from Microsoft. This agreement describes your rights and the conditions upon which you may use the software. You should review the entire agreement, including any supplemental license terms that accompany the software and any linked terms, because all of the terms are important and together create this agreement that applies to you.
	By clicking this box, you agree to the Software Licence Terms above and acknowledge that you have read the privacy statement at https://aka.ms/privacy
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You can add one single device or several devices at a time.

Method 1: Add one single device to YMCS at a time

- a. Login YMCS.
- b. Navigate to Device Management->Room System.
- c. Click "Add Device".

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USB Device	MAC ≑	Model 🗢 😞	Meeting Room & Private IP	Connection Versio	n ≑ → Status →	Related Device $ \smallsetminus $	Account Sta	Site 😔	Opera T
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Workspace Device	🗆 a417	MVC940	Demo Room 2 1	2.24.43.0	Online	19(5 offline)		Demo Roo	2 11
Firmware Management	7610	MVC940	Crestron 1	2.24.43.0	Online	2		MS SE	< ■
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Account Management		MVC400	Demo Room1(1	2,24,43,0	Online	3		Demo Roo	0.00
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Task Management	□ a417	MVC860	Demo Room 2 1	2.24.43.0	Online	8(4 offline)		Demo Roo	2 間
Alarm Management	a417	MVC860	Demo room 1(1	2.24.43.0	Online	9(5 offline)	***	Demo Roo	2 1

- d. Add device.
 - I. Select the site and model.
 - II. Enter correct MAC and Machine ID of the device.
 - III. Click "OK".

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Yealink Management	Cloud Service - Enterprise MS SE v	Documents Workspace Management O +
Home	← Add device	
Device Management	Meeting Room:	
Phone Device	MVC Remote Configuration Test	
USB Device	* Site:	
Room System	test ~	
Workspace Device	* Model:	
Firmware Management	MVC400	
Software Management	* MAC:	
Resource Management	441791	
Account Management	* Machine ID: 0	
Device Configuration	B06046D	
Site Management		
Task Management		
Alarm Management		
Device Diagnostic		
Dashboard		

Method 2: Add several devices to YMCS at a time

- a. Login YMCS.
- b. Navigate to Device Management->Room System.
- c. Click "Import".

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USB Device	MAC ¢	Model 🗢 🕓	Meeting Room © Private IP	Connection Version	¢ ∨ Status ∨	Related Device \sim	Account Sta	Site \sim	Opera
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Resource Management	a417	MVC400	Demo room 3 1	2.30.1.4	Online	12(9 offline)		Demo Roo	e m
Account Management	a417	MVC400	Demo Room1(1	2.24,43.0	Online	3	073	Demo Roo	2 11
Device Configuration \sim	a417	MVC940	Demo room 1 (1	2.24.41.0	Online	28(14 offline)		Demo Roo	2 11
Site Management	🗋 a417	MVC860	Demo Room 2 1	2.24.43.0	Online	8(4 offline)		Demo Roo	2.10
Task Management 🛛 👻	a417	MVC860	Demo room 1(1	2.24.43.0	Online	9(5 offline)	122	Demo Roo	2.00

d. Click "Download template"

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Yealink Management	the Cloud Service - Enterprise MS SE v O Documents	Works	pace N	lanageme	nt 🜔	•
Home Device Management Phone Device	← Import Tip:: Please download the template and import the data as required ± Download template					
USB Device Room System Workspace Device	Drag the file here or Click to uplead					
Software Management Resource Management Account Management	Note: The file extension must be als or also (Excel format), and the maximum number of imported data cannot exceed 5000					
Alarm Management Sector Diagnostic						
Dashboard Order Management						

The data file template is as follows.



Note: The file extension must be .xls or .xlsx (Excel format), and the maximum number of imported data cannot exceed 5000.

e. Fill in the column with correct device information.

		"he column marked with '*' m				🔁 A 🦏 🍨 🔳 📽
*MAC	*Device Model	Meeting Device Name	*Machine ID	Site	Account Type	G Account Info
A4179	MVC400	Meeting Device Name	806046D0		Account Type	Account mio
44175	MVC640		80604601	test test		
44.77	M/20040		00004004	list.		-
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	5			8		
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f. Select the newly created data file from local and upload.

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Yealink Management	Cloud Service - Enterprise MS SE 🗸 Documents	Workspace Management
 Home Device Management. Phone Device USB Dovice Room System Workspace Device Firmware Management Software Management Software Management Account Management Account Management Site Management Site Management Task Management Alarm Management Device Disgnostic 	 ← Import Typ: Flease download the template and import the data as required ▲ Download template ✓ Download template ✓ Dirg the file here or Click to upload Meeting_Device_Template.sks Role: The file extension must be also at also (local format), and the maximum number of imported data cannot exceed 5000 ✓ Ipon ✓ Caced 	
Meeting_Devicexlsx	<u>^</u>	全部显示 ×

So the devices can be added in batches.

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Room System	🗆 a41	MVC940	Demo Room 2-MVC940	10.54.42.7	2.24.41.0	Online	16		Demo Roo	∠ 181
Workspace Device	🗆 a41	MVC940	Demo Room 2	10.54.41.5	2.24.43.0	Online	19(5 offline)		Demo Roo	e m
Software Management	🗆 7c1	MVC940	Crestron	10.54,42.6	2.24.43.0	Online	2		MS SE	∠ ■
Resource Management	a41	MVC400	Demo room 3	10.54.42.3	2.30.1.4	Online	12(9 offline)	24	Demo Roo	∠ ₩
Account Management	🗆 a41	MVC400	Demo Room1(10.54.40.4	2.24.43.0	Online	3		Demo Roo	2 101
Device Configuration \sim	a41	MVC940	Demo room 1 (10.54.40.2	2.24.41.0	Online	28(14 offline)		Demo Roo	2開
Site Management	a41	MVC860	Demo Room 24	10.54.41.1	2.24.43.0	Online	8(4 offline)	22	Demo Roo	2 100
Task Management 🛛 👋	□ a41	MVC860	Demo room 1(10.54.40.3	2.24.43.0	Online	9(5 offline)		Demo Roo	2 101

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Home	Room System		+ Add device - 1 Import De Export Device C	refresh
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USB Device	☐ MAC	Meeting Room © Private IP Connection Version © -> St	Status ~ Related Device ~ Account Sta Site ~ Ope	ra T
Room System	a4 MVC400	MVC Remote Co 2.24.43.0 0	Online 0 test e	12
Firmware Management Software Management Resource Management Account Management Device Configuration				

Case 2: Remote Configure Device Account Step 1: Create an XML configuration file

Any text editor can be used to create a settings file. The sample SkypeSettings.xml (required file name) configuration file is as follows. The **XML Elements** table in **Reference** explains the elements.



SkypeSettings.xml

If a variable value is of the wrong type, elements are out of order, elements are unclosed, or another error is found, the XML file is badly formed. While processing a badly formed XML file, settings found up to the point where the error occurs are applied, then the rest of the file is ignored. Any unknown elements in the XML are ignored. If a parameter is omitted, it remains unchanged on the device. If a parameter value is invalid, its prior value remains unchanged.

To configure Teams device account, SkypeSignInAddress, ExchangeAddress and Password are the necessary elements need to be filled in. The parameters are the same one used for the Skype for Business device account sign-in.

Element	Usage
<skypesigninaddress></skypesigninaddress>	The sign-in name for the console's SFB or Teams
	device account.
<exchangeaddress></exchangeaddress>	The sign-in name for the console's Exchange
	device account. If the ExchangeAddress is
	omitted, the SkypeSignInAddress will not be
	reused automatically.
<password></password>	The password parameter is the same password
	used for the Skype for Business device account
	sign-in.

1	<pre>CSkypeSettings></pre>
2	<autoscreenshare>1</autoscreenshare>
3	<hidemeetingname>1</hidemeetingname>
4	<autoexitmeetingenabled>true</autoexitmeetingenabled>
5	<audiorenderdefaultdevicevolume>70</audiorenderdefaultdevicevolume>
6	<pre><audiorendercommunicationdevicevolume>30</audiorendercommunicationdevicevolume></pre>
7	UserAccount>
8	<skypesigninaddress>username1@microsoft.com</skypesigninaddress>
9	<exchangeaddress>username1@microsoft.com</exchangeaddress>
10	<domainusername>domain\username</domainusername>
11	<password>Password!</password>
12	<configuredomain>domain1, domain2</configuredomain>
13	<modernauthenabled>false</modernauthenabled>
14	-

Step 2: Add resource to YMCS

a. Navigate to Resource Management.

b. Click "Add Resource".

Yealink Management Cloud Service - Enterprise MS SE 🗸							⊗ Д Documents	Workspace Mana	agement 🔘
lome	Reso	ource Management							+ Add Resource
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hone Device	0 sel	lected Delete							
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loom System		SkypeSettings	SkypeSettings	Room System	SkypeSettings.xml		test	-	220
Vorkspace Device		4	Else	Phone Device	WdmCompanionFilte		MS SE		* 2 2 1
irmware Management		3	Else	Phone Device	usbvideo.svs		MS SE	-	* < ± H
oftware Management									*2.50
esource Management		2	Else	Phone Device	SecureUSBVideo.dll	123	MS SE		
ccount Management		1	Else	Room System	ksthunk.sys	772)	MS SE	750	章 《 土 出
Pevice Configuration \sim		YRC	Else	Phone Device	Yealink Plug-in Softw	YRC version for UVC8	test		* 2 ± 8
ite Management		AV HUB 新版本	Else	Phone Device	AVHub-153,410.0.9.ro	Support UVC86 + UV	test	<u>2</u> 2	● ∠ ± ⊡
ask Management 🛛 👋		MP56-test cfg	Else	Phone Device	805e0c1568ed-all.cfg		MS SE	ee :	* 2 3 1
larm Management 🛛 👻		YRC remote desktop v	Else	Room System	Yealink Plug-in Softw	-	Demo Room 3	**	* 2 ± 5
evice Diagnostic	10	vrc MVC940 version	Else	Room System	Yealink Plug-in Softw		Demo Room 3		* 2 3 13

c. Add Resource.

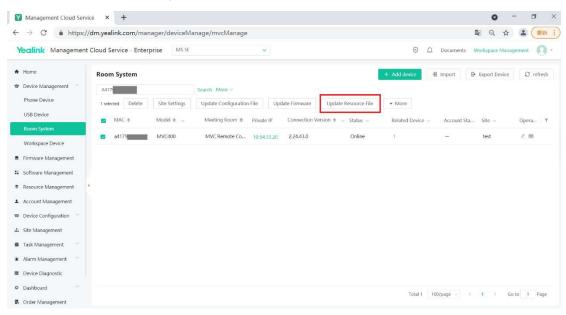
I. Select Room System and SkypeSettings.

- II. Enter resource name and site.
- III. Select the SkypeSettings.xml file from local and upload.

\rightarrow C $$ https://	/dm.yealink.com/manager/resourceManage/addEditResource			「聞 Q ☆ 😩 (更新
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Home	← Add Resource			
Device Management	Type:			
Phone Device	Phone Device USB Device ORoom System Workspace Device			
USB Device	* Resource Type:			
Room System	SkypeSettings			
Workspace Device	* Resource Name:			
Firmware Management	SkypeSettings			
Software Management	* Site:			
Resource Management	test			
L Account Management	* Select the file:			
Device Configuration				
h Site Management	6			
🛙 Task Management 👋	Drag the file here or Click to upload			
🕯 Alarm Management 👋	Only umi, zip files are supported, Maximum file size 50MB			
Device Diagnostic				
Dashboard	SkypeSettings.xml	0		

Step 3: Device Resource Update

- a. Navigate to Room Management.
- b. Select the device to be configured and click "Update Resource File".



c. Select available resource you just uploaded and click "OK". Then the device will reboot automatically.

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A Home	Room System		+ Add d	devico	∄ Import 🕞	Export Device	Ø refresh
Device Management	A417	Search More ~					
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Alarm Management Alarm Management Device Diagnostic			OKCan	icel			
Dashboard Order Management				Total 1	100/page <	1) Go	to 1 Page

So the device will successfully login the Skype for Business device account by creating XML configuration file on YMCS.



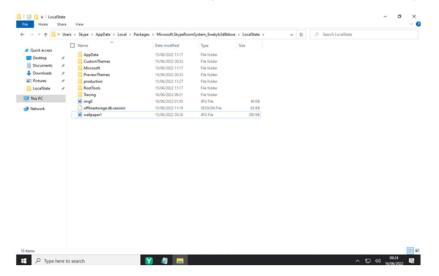
Case 3: Remote Configure Custom Theme Image Step 1: Place the custom theme image

The custom theme image file must be placed in the folder below:

C:\Users\Skype\AppData\Local\Packages\Microsoft.SkypeRoomSystem_8wekyb3d8bbwe\LocalState

The image file should be exactly 3840X1080 pixels and must be one of the following file formats: jpg, jpeg, png and bmp.

The XML configuration file must be updated at device startup to recognize the theme image. Once the new XML file is processed and deleted, the theme graphic file is deleted from the directory.





Enter the file name and extension in the <CustomThemeImageUrl> variable. Here we take wallpaper1.jpg

as an example.

Element	Usage
<customthemeimageurl></customthemeimageurl>	Input the file name and extension.

SkypeSettings.xml

45	Ē	<theming></theming>
46		<themename>Custom</themename>
47		<customthemeimageurl>wallpaper1.jpg</customthemeimageurl>
48	E	<customthemecolor></customthemecolor>
49		<redcomponent>100</redcomponent>
50		<greencomponent>100</greencomponent>
51		<bluecomponent>100</bluecomponent>
52	-	
53	-	

Step 3: Add resource to YMCS

a. Navigate to Resource Management.

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Home	Resou	urce Management							+ Add Resourc
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USB Device	0	Resource Name @	Resource Type \sim	Device Type 😔	File Name	Description	Site \sim	Agent Status 😔	Operation
Room System		SkypeSettings	SkypeSettings	Room System	SkypeSettings.xml	122	test		020
Workspace Device		4	Else	Phone Device	WdmCompanionFilte		MS SE		* 2 2 1
Firmware Management		1	Else	Phone Device	usbvideo.svs		MS SE		\$ 2 L U
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Resource Management		2	Else	Phone Device	SecureUSBVideo.dll	120	MS SE	22	* 2 2 2
Account Management		1	Else	Room System	ksthunk.sys	m 3	MS SE	220	* 2 * 1
Device Configuration		YRC	Else	Phone Device	Yealink Plug-in Softw	YRC version for UVC8	test	w)	* 2 ± 0
Site Management		AV HUB 新版本	Else	Phone Device	AVHub-153.410.0.9.ro	Support UVC86 + UV	test	62 V	
Task Management 🛛 👻		MP56-test cfg	Else	Phone Device	805e0c1568ed-all.cfg		MS SE		* 2 2 0
Alarm Management	D	YRC remote desktop v	Else	Room System	Yealink Plug-in Softw	a.)	Demo Room 3		* 2 & 5
Device Diagnostic		yrc MVC940 version	Else	Room System	Yealink Plug-in Softw		Demo Room 3		* 2 3 8
Dashboard									

c. Add Resource.

I. Select Room System and SkypeSettings.

- II. Enter resource name and site.
- III. Select the newly created SkypeSettings.xml file from local and upload.

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\leftrightarrow \rightarrow C $$ https:/	//dm.yealink.com/manager/resourceManage/addEditResource	🔤 Q 🕁 🚨 重新 🔋
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• Home	← Add Resource	
Device Management	Type:	
Phone Device	O Phone Device O USB Device O Room System O Workspace Device	
USB Device	* Resource Type:	
Room System	SkypeSettings	
Workspace Device	* Resource Name:	
Firmware Management	wallpapertest	
Software Management	* Site:	
Resource Management	4 test ~	
Account Management	* Select the file:	
🕸 Device Configuration 🔗		
🔹 Site Management	6	
🛢 Task Management 🔗	Drag the file here orClick to upload	
🛎 Alarm Management 💛	Only aml_zip files are supported, Maximum file size 50M8	
Device Diagnostic	SkypeSettings.xml	
O Dashboard		
Order Management	OK Cancel	

Step 4: Device Resource Update

- a. Navigate to Room Management.
- b. Select the device to be configured and click "Update Resource File".

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Phone Device	1 selected Delete	Site Settings	Update Configuration File	Update Firmware Update Resource	File • More			
USB Device	MAC \$	Model 🗢 🗸	Meeting Room Private IP	Connection Version	Related Device ~	Account Sta	Site ~	Opera T
Room System		MVC400	MVC Remote Co	2.24.43.0 Online	. 0		test	2 8
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Software Management								
Software Management Resource Management Account Management	4							
Software Management Resource Management	*							
Software Management Resource Management Account Management	4							
Software Management Resource Management Account Management Device Configuration	•							

c. Select available resource newly uploaded and click "OK". Then the device will reboot automatically.

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Yealink Management	t Cloud Service - Enter	rprise MS SE 🗸	۲	Documents Workspace Management O -
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Room System	MAC \$	Note: After update, the related resource will be overwritten		- Account Sta Site - Opera T
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Resource Management		wallpapertest Execution Mode	~	
Account Management Device Configuration		At once Timing		
di Site Management				
 Task Management Alarm Management 			OK Cancel	
Alarm Management Device Diagnostic				
• Dashboard			Total 1	100/page < 1 3 Go to 1 Page
🖪 Order Management				

So the custom theme image can be seen on the display.



Reference

https://docs.microsoft.com/en-us/microsoftteams/rooms/xml-config-file#create-an-xml-configuration-file