

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

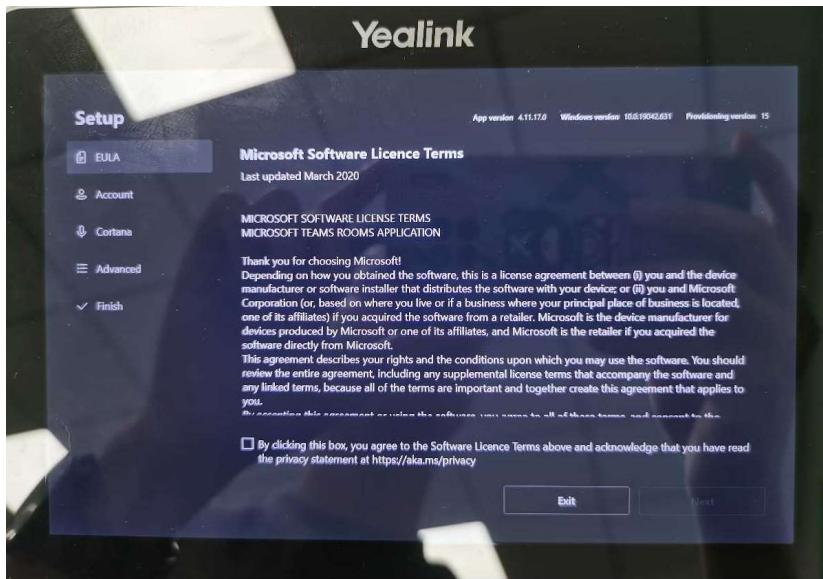
Yealink Room Connect	2.24.43.0
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Case Operation Procedure

- **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.



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".

The screenshot shows the 'Room System' list page. The left sidebar has a 'Room System' section selected. The main area displays a table of devices with columns: MAC, Model, Meeting Room, Private IP, Connection Version, Status, Related Device, Account Sta..., Site, and Opera... . A red box highlights the '+ Add device' button at the top right of the table header.

d. Add device.

- Select the site and model.
- Enter correct MAC and Machine ID of the device.
- Click "OK".

The screenshot shows the 'Add device' dialog box. It includes fields for 'Meeting Room' (MVC Remote Configuration Test), 'Site' (test), 'Model' (MVC400), 'MAC' (A4179), and 'Machine ID' (806046D). At the bottom are 'OK' and 'Cancel' buttons.

Method 2: Add several devices to YMCS at a time

- Login YMCS.
- Navigate to **Device Management->Room System**.
- Click "Import".

The screenshot shows the 'Room System' list in the Yealink Management Cloud Service. The left sidebar has 'Room System' selected. The main area displays a table of devices with columns: MAC, Model, Meeting Room, Private IP, Connection Version, Status, Related Device, Account Sta..., Site, Opera..., and T. There are 31 items listed. The 'Import' button at the top right is highlighted with a red box.

d. Click "Download template"

The screenshot shows the 'Import' page. The left sidebar has 'Room System' selected. The main area has a tip: 'Please download the template and import the data as required'. Below it is a 'Download template' button highlighted with a red box. A note says: 'Note: The file extension must be .xls or .xlsx (Excel format), and the maximum number of imported data cannot exceed 5000'. There are 'Upload' and 'Cancel' buttons at the bottom.

The data file template is as follows.



Meeting_Device_
Template.xlsx

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.

f. Select the newly created data file from local and upload.

The screenshot shows the Yealink Management Cloud Service - Enterprise web interface. The left sidebar contains a navigation menu with various service categories: Home, Device Management (selected), Room System (highlighted with a green bar), Firmware Management, Software Management, Resource Management, Account Management, Device Configuration, Site Management, Task Management, Alarm Management, and Device Diagnostic. The main content area has a title 'Import' with a back arrow. A tip message says 'Please download the template and import the data as required' with a 'Download template' button. Below is a large red-bordered box containing a cloud icon and the text 'Drag the file here or Click to upload'. A file selection dialog is open, showing a file named 'Meeting_Device_Template.xlsx' with a red border around it. At the bottom of the dialog are 'Upload' and 'Cancel' buttons. A note at the bottom states: 'Note: The file extension must be .xls or .xlsx (Excel format), and the maximum number of imported data cannot exceed 5000'.

So the devices can be added in batches.

Y Management Cloud Service X + https://dm.yealink.com/manager/deviceManage/mvcManage

Yealink Management Cloud Service - Enterprise MS SE

2 item(s) imported successfully

Room System

MAC/Public IP/Intranet IP/Meeting Room Search More

0 selected	Delete	Site Settings	Update Configuration File	Update Firmware	Update Resource File	More					
<input type="checkbox"/>	Model	Meeting Room	Private IP	Connection Version	Status	Related Device	Account Sta...	Site	Opera...	T	
<input type="checkbox"/>	a41	MVC940	Demo Room 2-MVC940	10.54.42.7	2.24.41.0	Online	16	--	Demo Roo...		
<input type="checkbox"/>	a41	MVC940	Demo Room 2...	10.54.41.5	2.24.43.0	Online	19(5 offline)	--	Demo Roo...		
<input type="checkbox"/>	7c1	MVC940	Crestron	10.54.42.6	2.24.43.0	Online	2	--	MS SE		
<input type="checkbox"/>	a41	MVC400	Demo room 3...	10.54.42.3	2.30.1.4	Online	12(9 offline)	--	Demo Roo...		
<input type="checkbox"/>	a41	MVC400	Demo Room 1...	10.54.40.4	2.24.43.0	Online	3	--	Demo Roo...		
<input type="checkbox"/>	a41	MVC940	Demo room 1 (...	10.54.40.2	2.24.41.0	Online	28(14 offline)	--	Demo Roo...		
<input type="checkbox"/>	a41	MVC660	Demo Room 2...	10.54.41.1	2.24.43.0	Online	8(4 offline)	--	Demo Roo...		
<input type="checkbox"/>	a41	MVC660	Demo room 1(...	10.54.40.3	2.24.43.0	Online	9(5 offline)	--	Demo Roo...		

Total 32 100/page Go to 1 Page

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

```

1  <SkypeSettings>
2      <AutoScreenShare>1</AutoScreenShare>
3      <HideMeetingName>1</HideMeetingName>
4      <AutoExitMeetingEnabled>true</AutoExitMeetingEnabled>
5      <AudioRenderDefaultDeviceVolume>70</AudioRenderDefaultDeviceVolume>
6      <AudioRenderCommunicationDeviceVolume>30</AudioRenderCommunicationDeviceVolume>
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     </UserAccount>

```

Step 2: Add resource to YMCS

- Navigate to **Resource Management**.
- Click “Add Resource”.

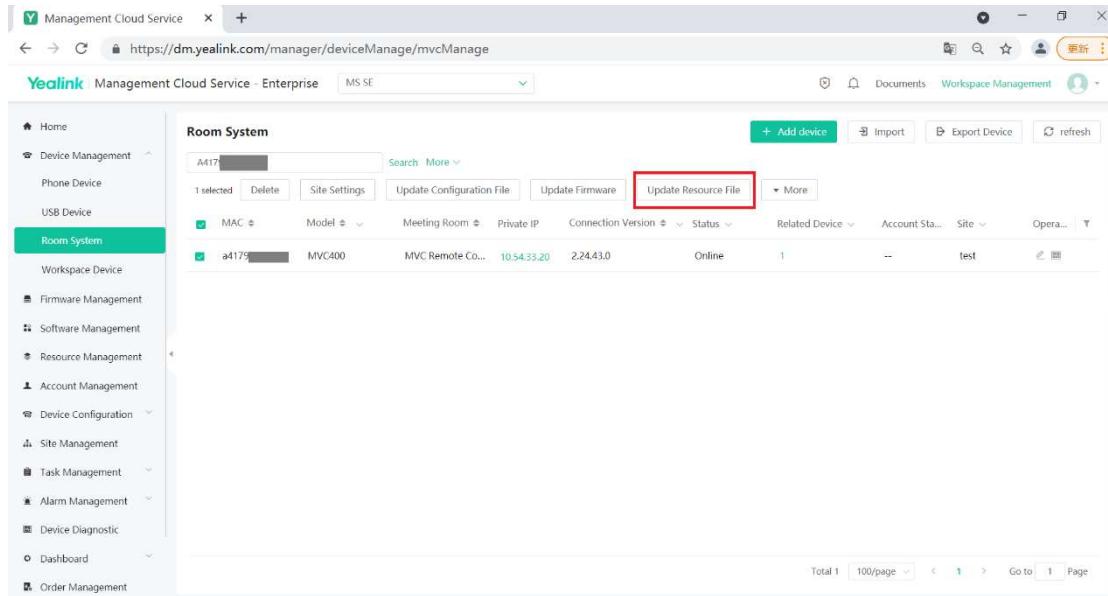
The screenshot shows the 'Resource Management' section of the YMCS interface. On the left is a navigation sidebar with various management categories like Device Management, Firmware Management, and Resource Management. The 'Resource Management' section is currently selected. The main area displays a table of existing resources, including columns for Resource Name, Resource Type, Device Type, File Name, Description, Site, Agent Status, and Operation. A red box highlights the green '+ Add Resource' button located at the top right of the table header.

- Add Resource.
- Select Room System and SkypeSettings.
- Enter resource name and site.
- Select the SkypeSettings.xml file from local and upload.

The screenshot shows the 'Add Resource' form. The 'Type' field is set to 'Room System'. Under 'Resource Type', 'SkypeSettings' is selected. The 'Resource Name' field contains 'SkypeSettings'. The 'Site' dropdown is set to 'test'. A file upload area is shown with a file named 'SkypeSettings.xml' selected. A success message 'Upload successfully' is displayed at the top right of the form. The left sidebar shows the same navigation as the previous screenshot.

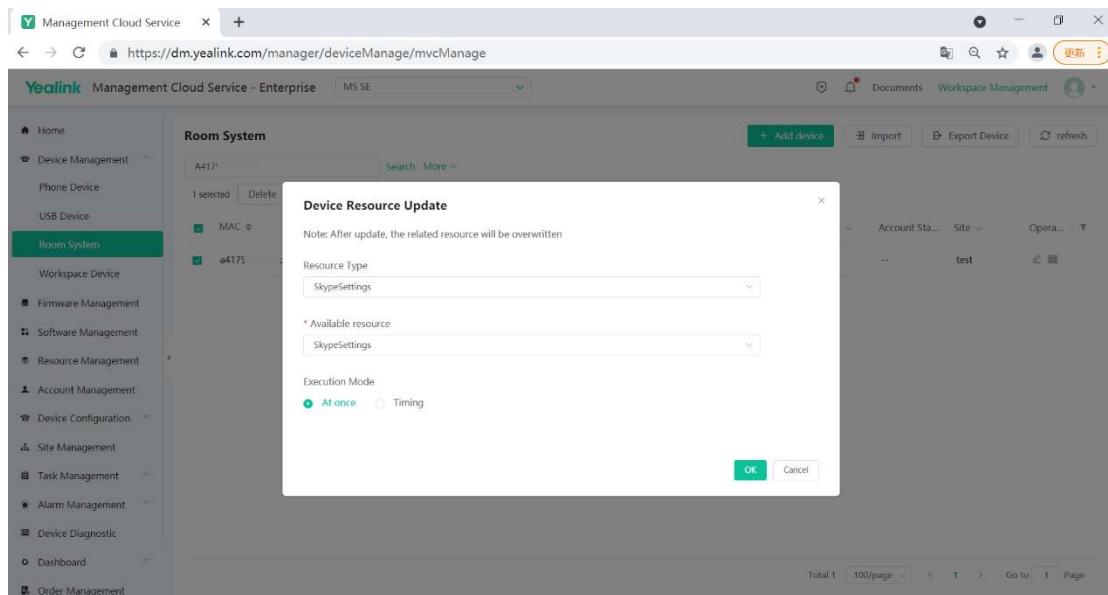
Step 3: Device Resource Update

- Navigate to **Room Management**.
- Select the device to be configured and click “Update Resource File”.



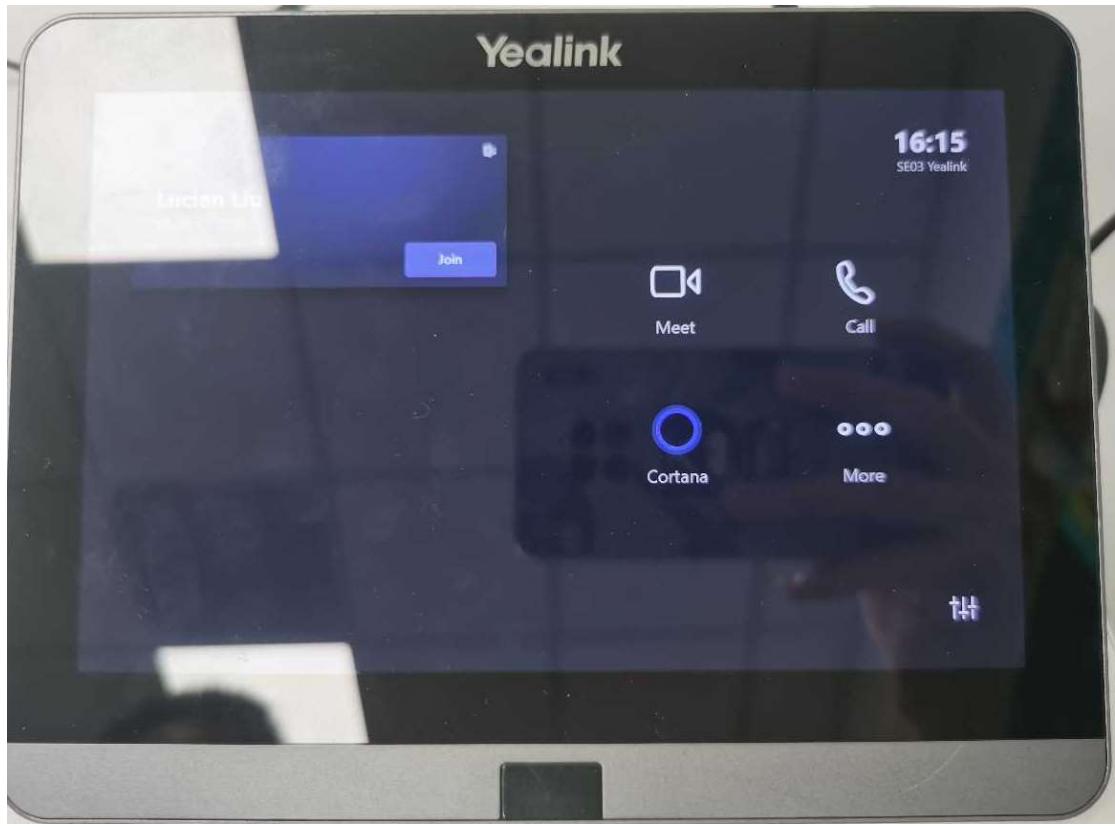
The screenshot shows the YMCS interface with the URL <https://dm.yealink.com/manager/deviceManage/mvcManage>. The left sidebar is expanded, showing categories like Home, Device Management, Room System (which is selected and highlighted in green), and others. The main content area is titled 'Room System' and displays a table of devices. The table includes columns for MAC, Model, Meeting Room, Private IP, Connection Version, Status, Related Device, Account Sta..., Site, and Opera... . A specific device entry for 'a4175' is selected. At the top of the table, there are several buttons: '+ Add device', 'Import', 'Export Device', and 'refresh'. The 'Update Resource File' button is highlighted with a red box. Below the table, there are pagination controls for 'Total 1', '100/page', and 'Go to 1 Page'.

- Select available resource you just uploaded and click “OK”. Then the device will reboot automatically.



The screenshot shows the 'Device Resource Update' dialog box overlaid on the YMCS interface. The dialog has a note: "Note: After update, the related resource will be overwritten". It contains three main fields: 'Resource Type' (set to 'SkypeSettings'), 'Available resource' (also set to 'SkypeSettings'), and 'Execution Mode' (set to 'At once'). At the bottom right of the dialog are 'OK' and 'Cancel' buttons, with 'OK' being highlighted with a red box.

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

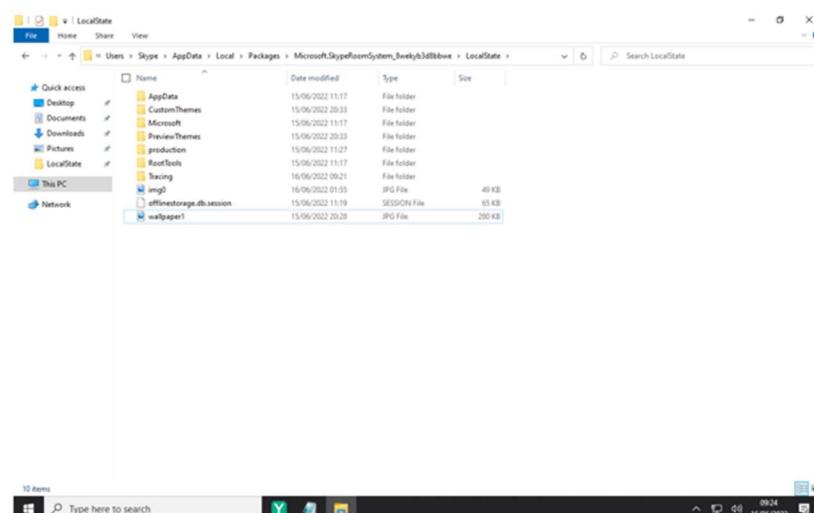
Step 1: Place the custom theme image

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.



Step 2: Create an XML configuration file

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

as an example.

Element	Usage
<CustomThemeImageUrl>	Input the file name and extension.



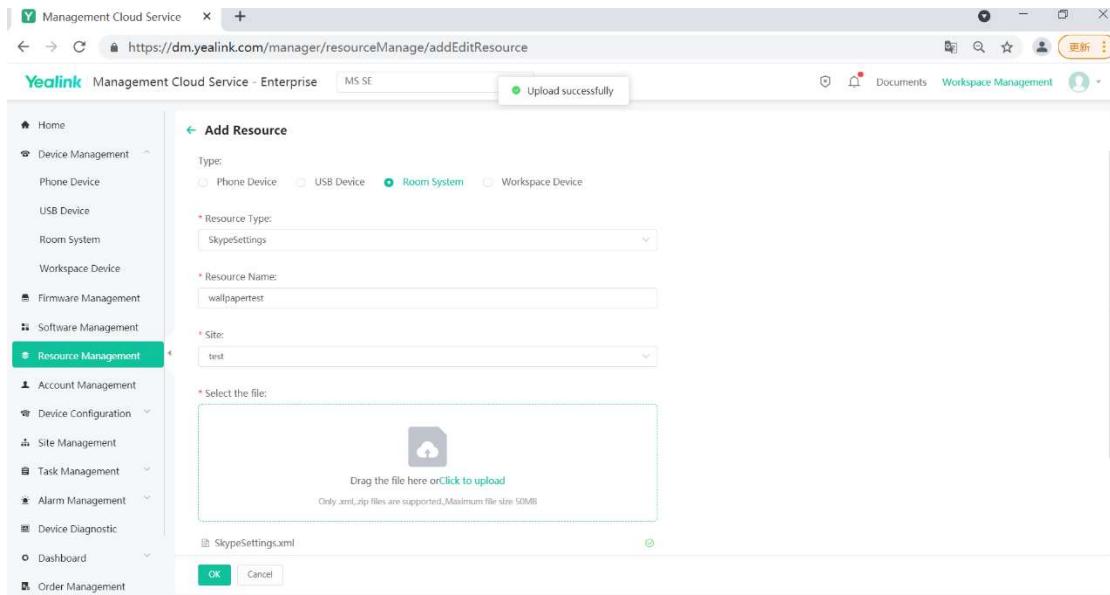
Step 3: Add resource to YMCS

- Navigate to **Resource Management**.
- Click "Add Resource".

The screenshot shows the 'Resource Management' page in the Yealink Management Cloud Service. The left sidebar shows various management categories. The main area displays a table of existing resources, and a green 'Add Resource' button is highlighted with a red box in the top right corner of the table header.

Resource Name/File Name/Description	Search	Resource Type	Device Type	File Name	Description	Site	Agent Status	Operation		
SkypeSettings		SkyeSettings	Room System	SkypeSettings.xml	--	test	--			
4		Else	Phone Device	WdmCompanionfilte...	--	MS SE	--			
3		Else	Phone Device	usbvideo.sys	--	MS SE	--			
2		Else	Phone Device	SecureUSBVideo.dll	--	MS SE	--			
1		Else	Room System	kssthunk.sys	--	MS SE	--			
YRC		Else	Phone Device	Yealink Plug-in Softw...	YRC version for UVC8...	test	--			
AV HUB 新版本		Else	Phone Device	AVHub-153.410.0.9.ro...	Support UVC86 + UV...	test	--			
MP56-test.cfg		Else	Phone Device	805e0c1568ed-all.cfg	--	MS SE	--			
YRC remote desktop v...		Else	Room System	Yealink Plug-in Softw...	--	Demo Room 3	--			
yrc MVC940 version		Else	Room System	Yealink Plug-in Softw...	--	Demo Room 3	--			

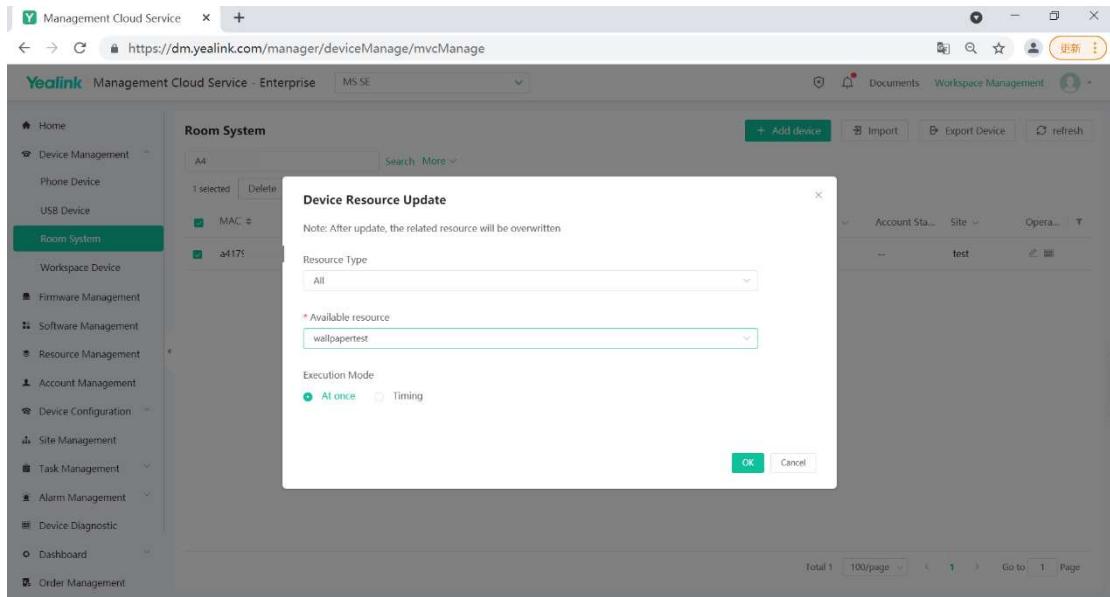
- Add Resource.
- Select Room System and SkypeSettings.
- Enter resource name and site.
- Select the newly created SkypeSettings.xml file from local and upload.



Step 4: Device Resource Update

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

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



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>