

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

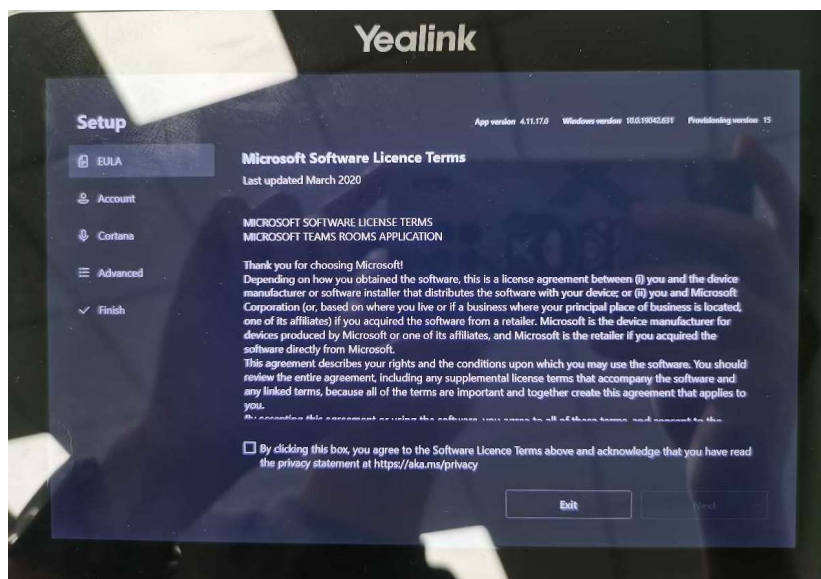
Yealink Room Connect	2.24.43.0
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Case Operation Procedure

- **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

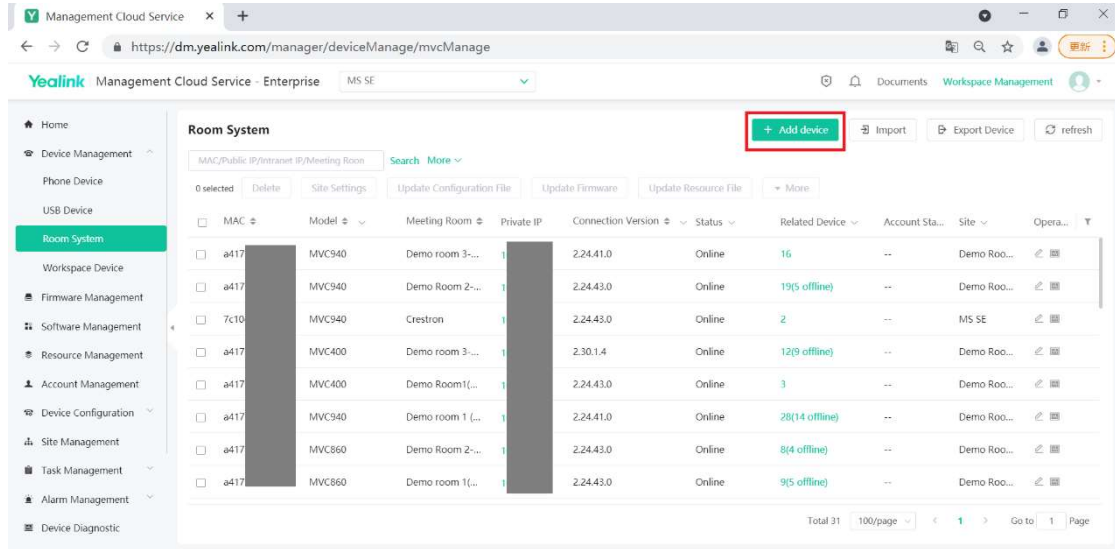
Make sure the devices are powered up and connected to the network. The MTR can be configured even out of the box.



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".

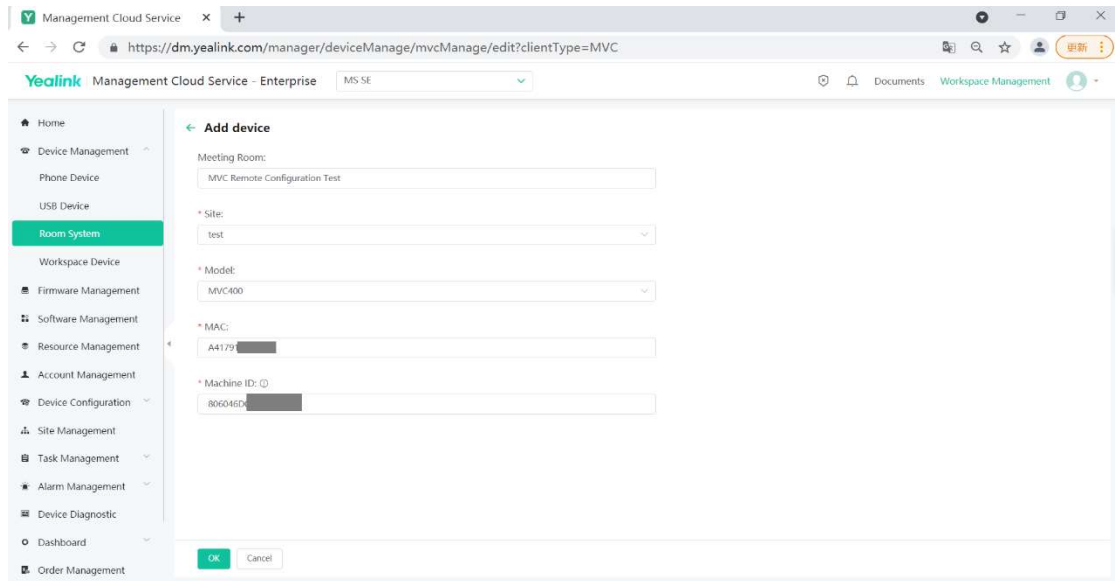


d. Add device.

I. Select the site and model.

II. Enter correct MAC and Machine ID of the device.

III. Click "OK".



Method 2: Add several devices to YMCS at a time

a. Login YMCS.

b. Navigate to **Device Management->Room System**.

c. Click "Import".

The screenshot shows the 'Room System' management page in the Yealink Management Cloud Service. The page includes a search bar, a table of devices, and several action buttons. The 'Import' button is highlighted with a red box.

MAC	Model	Meeting Room	Private IP	Connection Version	Status	Related Device	Account Sta...	Site	Opera...
a417	MVC940	Demo room 3-...		2.24.41.0	Online	16	--	Demo Roo...	
a417	MVC940	Demo Room 2-...		2.24.43.0	Online	19(5 offline)	--	Demo Roo...	
7c10	MVC940	Creston		2.24.43.0	Online	2	--	MS SE	
a417	MVC400	Demo room 3-...		2.30.1.4	Online	12(9 offline)	--	Demo Roo...	
a417	MVC400	Demo Room1(...)		2.24.43.0	Online	3	--	Demo Roo...	
a417	MVC940	Demo room 1 (...)		2.24.41.0	Online	28(14 offline)	--	Demo Roo...	
a417	MVC860	Demo Room 2-...		2.24.43.0	Online	8(4 offline)	--	Demo Roo...	
a417	MVC860	Demo room 1(...)		2.24.43.0	Online	9(5 offline)	--	Demo Roo...	

d. Click "Download template"

The screenshot shows the 'Import' page in the Yealink Management Cloud Service. The page includes a tip, a 'Download template' button (highlighted with a red box), a file upload area, and an 'Upload' button.

Tips: Please download the template and import the data as required

Download template

Drag the file here or Click to upload

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

Upload Cancel

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.

Note:
1.The column marked with '*' must be filled in;

	*MAC	*Device Model	Meeting Device Name	*Machine ID	Site	Account Type	Account Info
3	A4173	MVC940		806048D3			
4	A4173	MVC940		806048C1			
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f. Select the newly created data file from local and upload.

Management Cloud Service - Enterprise

Import

Tips: Please download the template and import the data as required

Meeting_Device_Template.xlsx

Upload Cancel

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.

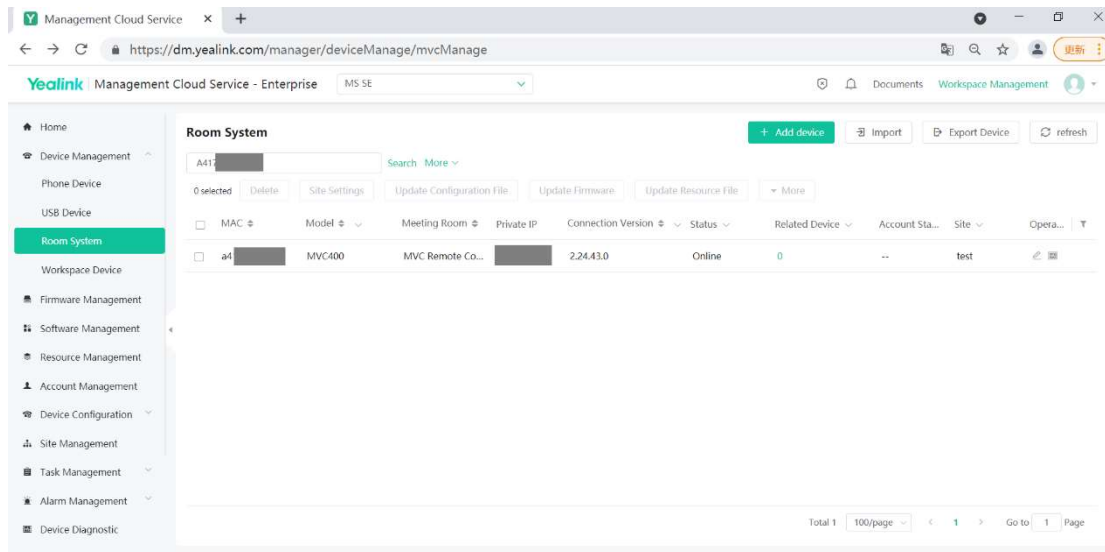
Management Cloud Service - Enterprise

2 item(s) imported successfully

Room System

MAC	Model	Meeting Room	Private IP	Connection Version	Status	Related Device	Account Sta...	Site	Opera...
a4173	MVC940	Demo Room 2-MVC940	10.54.42.7	2.24.41.0	Online	16	--	Demo Roo...	
a4173	MVC940	Demo Room 2-...	10.54.41.5	2.24.43.0	Online	19(5 offline)	--	Demo Roo...	
7c173	MVC940	Creston	10.54.42.6	2.24.43.0	Online	2	--	MS SE	
a4173	MVC400	Demo room 3-...	10.54.42.3	2.30.1.4	Online	12(9 offline)	--	Demo Roo...	
a4173	MVC400	Demo Room 1(L...	10.54.40.4	2.24.43.0	Online	3	--	Demo Roo...	
a4173	MVC940	Demo room 1 (L...	10.54.40.2	2.24.41.0	Online	28(14 offline)	--	Demo Roo...	
a4173	MVC660	Demo Room 2-...	10.54.41.1	2.24.43.0	Online	8(4 offline)	--	Demo Roo...	
a4173	MVC660	Demo room 1(L...	10.54.40.3	2.24.43.0	Online	9(5 offline)	--	Demo Roo...	

Total 32 100/page 1 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
<SkypeSignInAddress>	The sign-in name for the console's SFB or Teams device account.
<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>	The password parameter is the same password used for the Skype for Business device account sign-in.

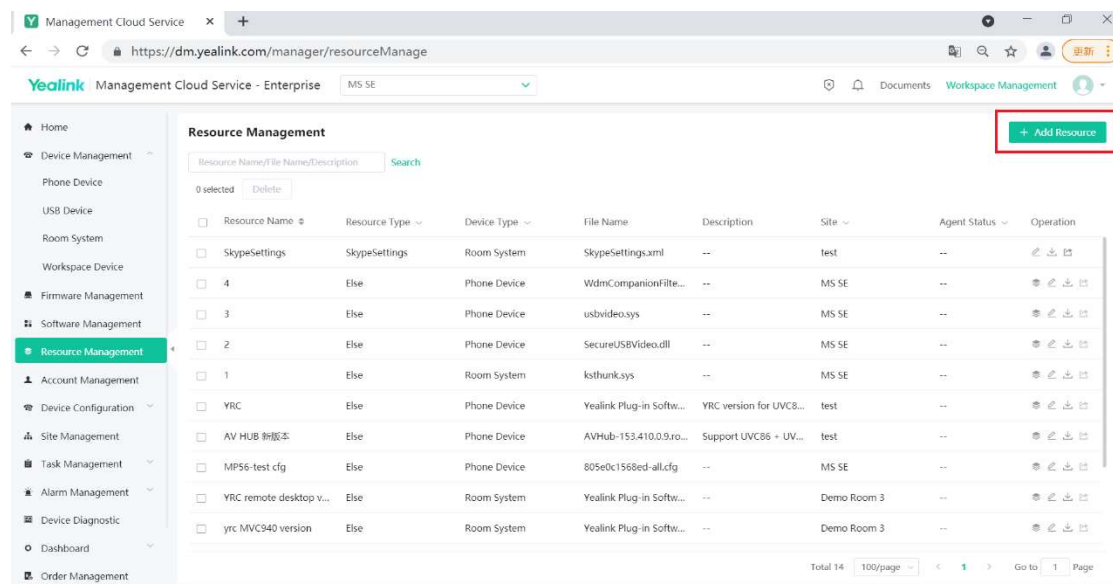
```

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>

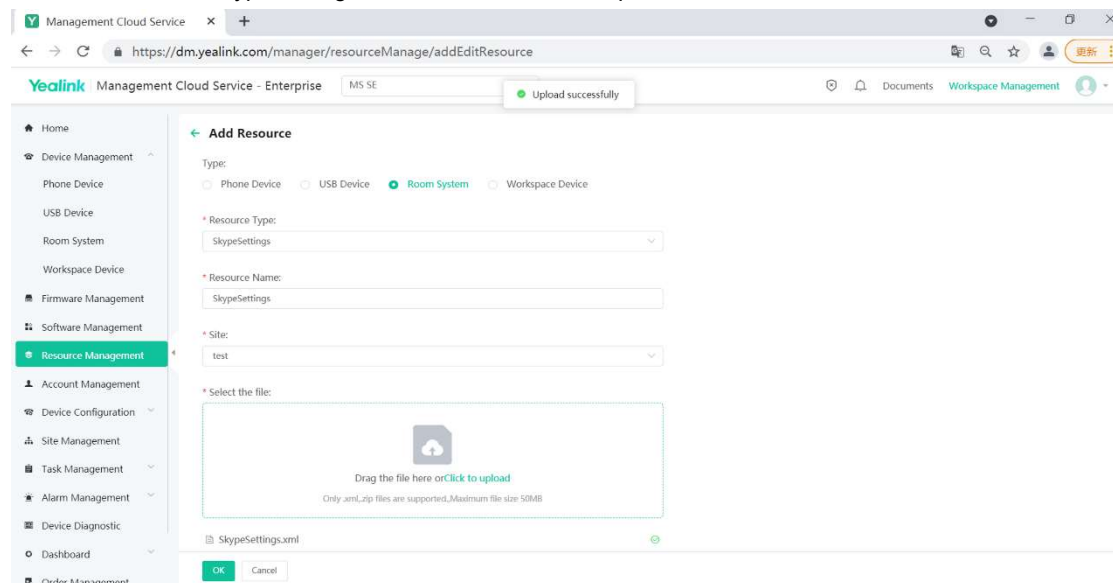
```

Step 2: Add resource to YMCS

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

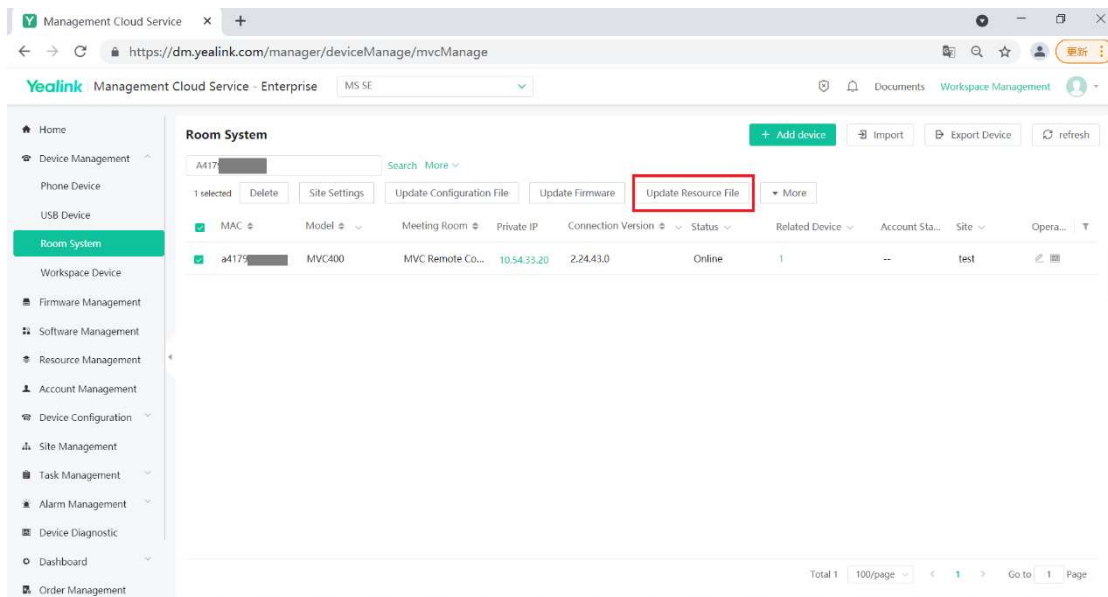


- c. Add Resource.
 - I. Select Room System and SkypeSettings.
 - II. Enter resource name and site.
 - III. Select the SkypeSettings.xml file from local and upload.

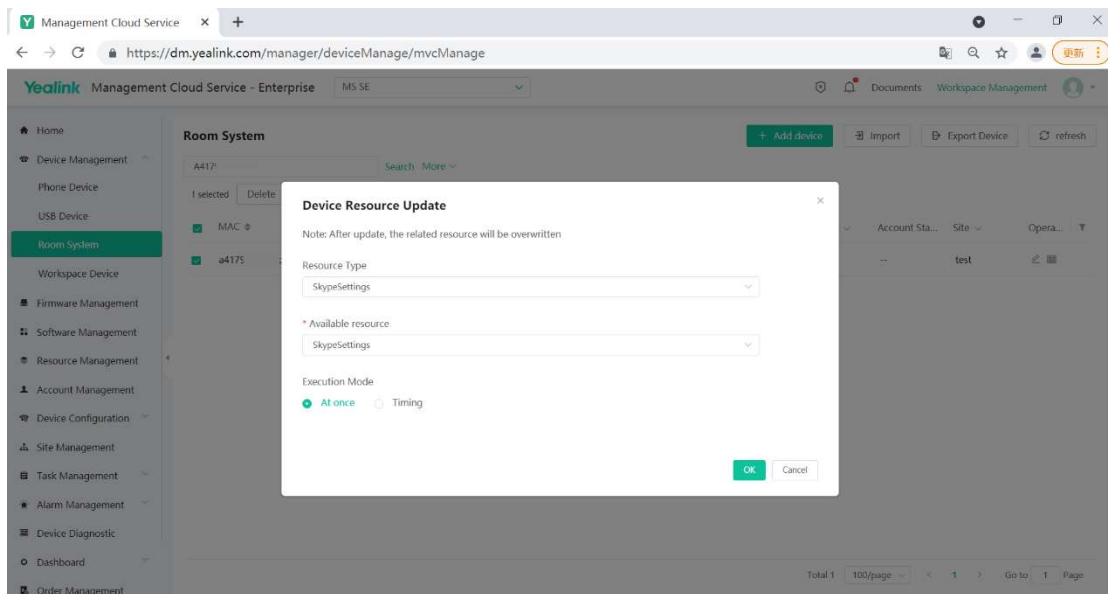


Step 3: Device Resource Update

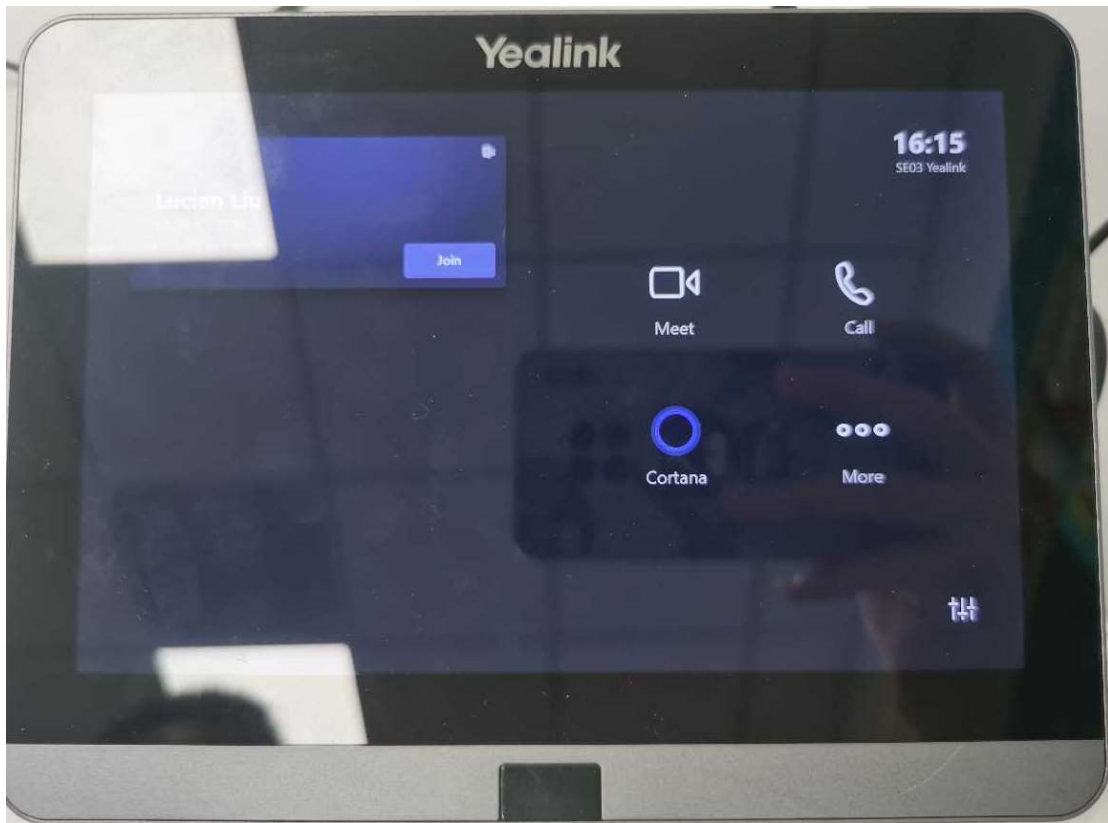
- a. Navigate to **Room Management**.
- b. Select the device to be configured and click "Update Resource File".



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



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

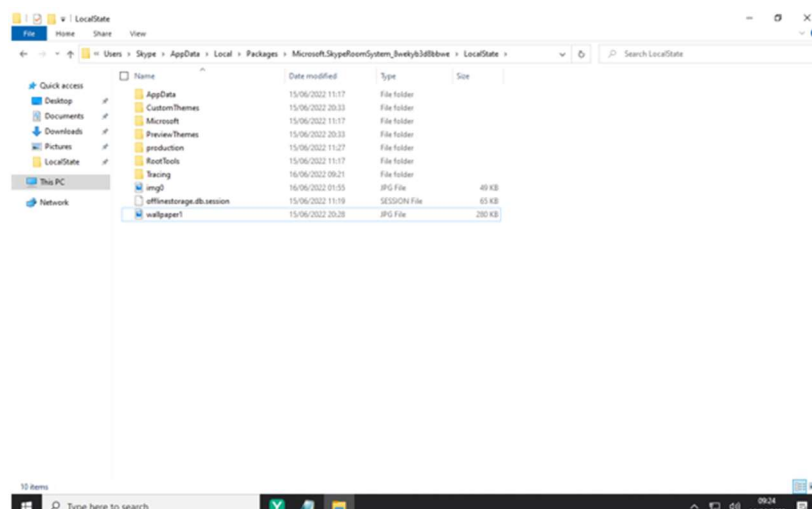
Step 1: Place the custom theme image

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.

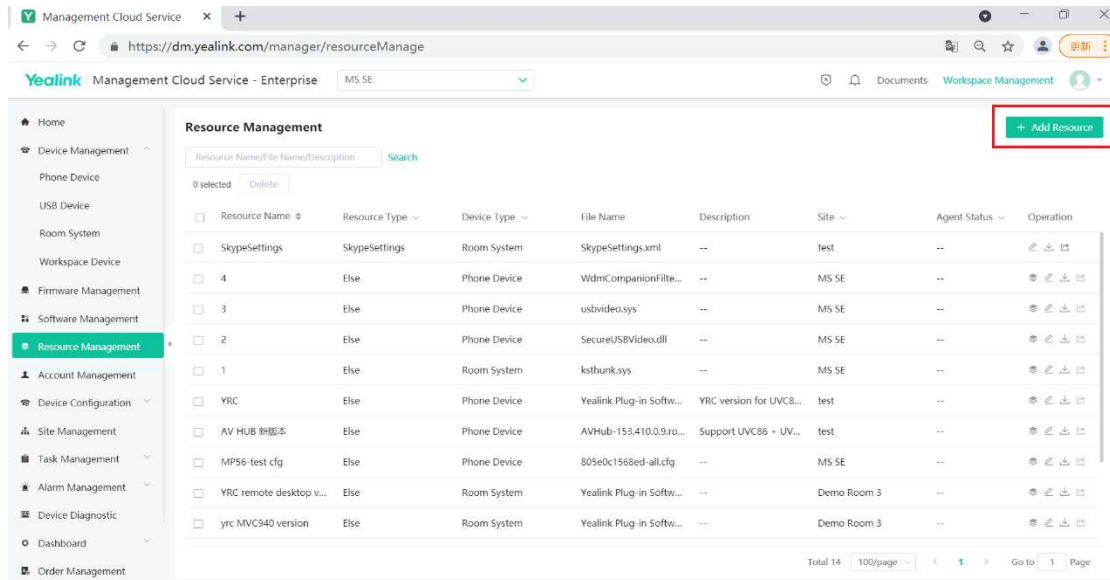


SkypeSettings.xml

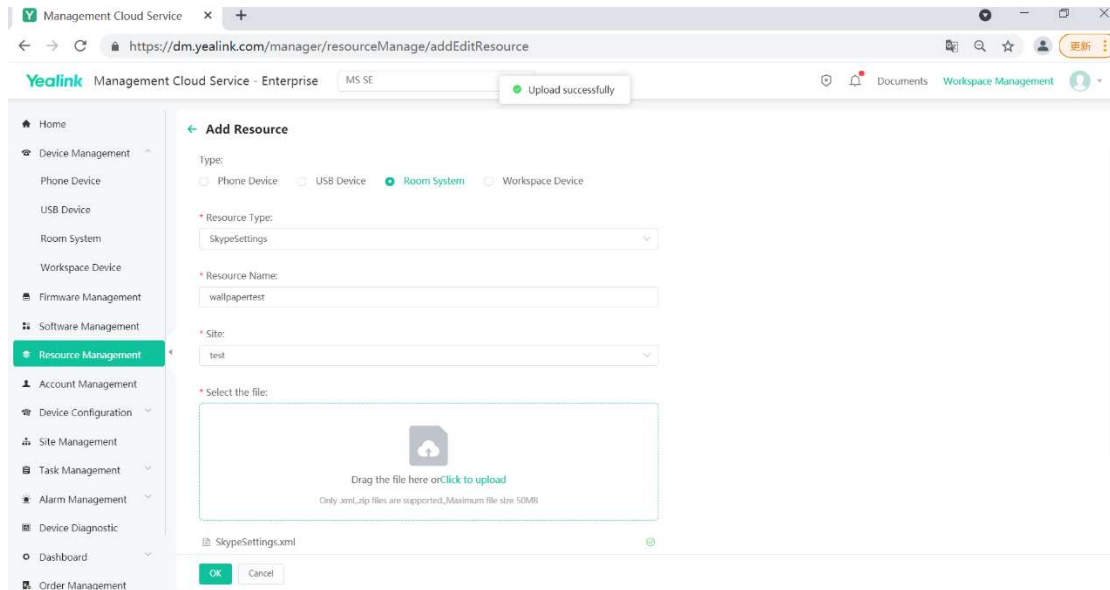
```
45 <Theming>
46   <ThemeName>Custom</ThemeName>
47   <CustomThemeImageUrl>wallpaper1.jpg</CustomThemeImageUrl>
48   <CustomThemeColor>
49     <RedComponent>100</RedComponent>
50     <GreenComponent>100</GreenComponent>
51     <BlueComponent>100</BlueComponent>
52   </CustomThemeColor>
53 </Theming>
```

Step 3: Add resource to YMCS

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

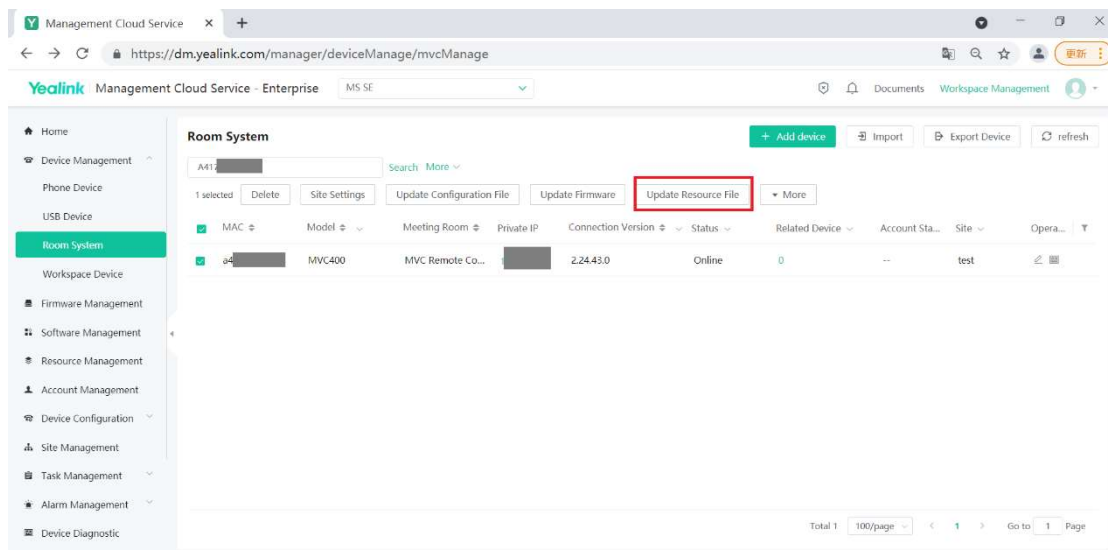


- Add Resource.
 - Select Room System and SkypeSettings.
 - Enter resource name and site.
 - Select the newly created SkypeSettings.xml file from local and upload.

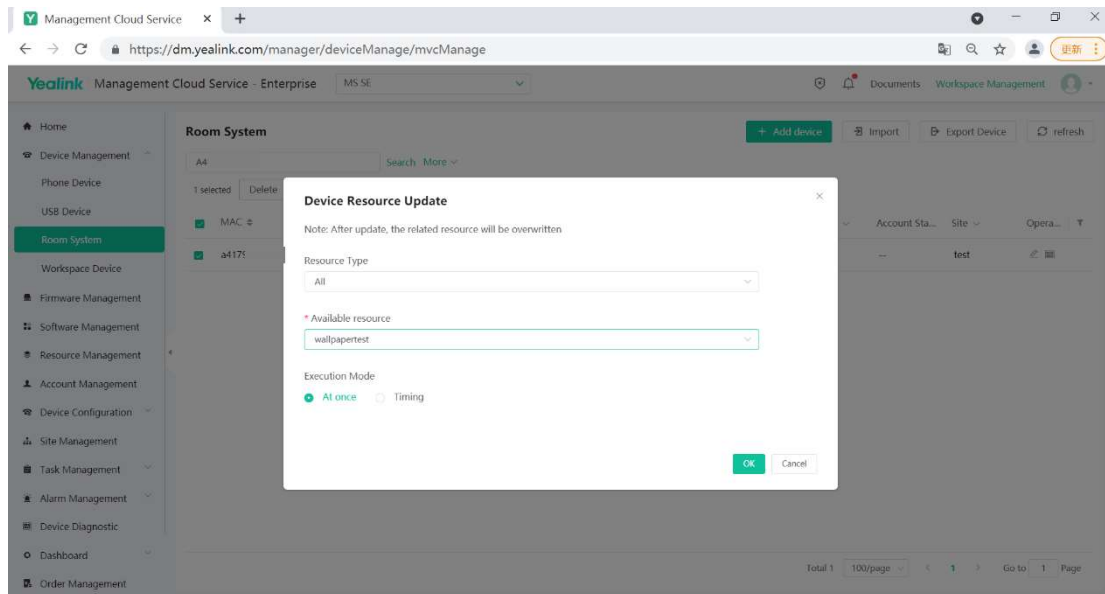


Step 4: Device Resource Update

- 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>