UCM63xx/A Cloud IM Server – Admin Guide

Overview

Cloud IM services with UCM devices provide cloud communication services with high performance, large storage, multi-functions, etc.

- Resolved the problem of limited storage space and performance of UCM devices and ensure that UCM devices are used for calling services. Cloud IM system provides unified communication services such as instant messages. Both telephone calls and instant message performance will be guaranteed.
- Unified management for the UCM devices across regions and satisfied the requirements of communication within the enterprise in different regions.
- With UCM Cloud IM service, all Wave clients will use the Cloud IM system, and the chat data will be stored in the cloud system.

1 Note

Users can only use the Cloud IM services after logging in to the Wave application. The Wave client download address is: https://fw.gdms.cloud/wave/download/

Cloud IM Usage Scenario

UCM under External Network

The enterprise user can use the Wave application to make calls or chat from anywhere on the public network. The enterprise user can use the calling capabilities in the UCM and the Cloud IM services in the cloud system.



Case Scenario – UCM under External Network

UCM under Internal Network

The enterprise user can only use the Wave application to make calls or chat on the internal network of the enterprise. The enterprise user can use the calling capabilities in the UCM and the Cloud IM services in the cloud system.

Requirements: UCM device can connect to Cloud IM server through the public network.



Case Scenario – UCM under Internal Network

UCM under Internal/External Network

The enterprise user can use the Wave application to make calls or chat, no matter under internal network of the enterprise, or under the public network at anywhere. The user can make outbound calls through the UCMRC plan, and chat through Cloud IM services between the internal network and the external network.



Case Scenario – UCM under Internal/External Network

If the enterprise has multiple UCM devices, and it requires them to chat with each other, create a group chat, make calls, and schedule meetings, the enterprise

user needs to configure the Cloud IM service to the UCM devices to satisfy the communication requirements across different regions.



Case Scenario – Multiple UCM Devices Share One Cloud IM Server

Enable Cloud IM Service

The user needs to purchase a UCM RemoteConnect plan with the Cloud IM service before using the related features. The user can contact the distributor and view more plan details on the official website.

The user needs to associate the UCM device to the GDMS platform.

After purchasing the UCM RemoteConnect plan which contains the Cloud IM service for the UCM device, the user can enable and use the Cloud IM service.

After selecting the UCMRC System, please navigate to "UCM Device" tab, and select the UCM device on which you want to configure the Cloud IM.

M Device					Refresh List Add Devi	ce Impor	t Device	Export Dev
Upgrade Firmware Site Assignment	More 🗸		All Types	 All Models 	C Enter MAG	C/Device Name	1P	Filter
MAC Address	Device Model 🌩	Firmware Version	Server Address	Plan	IP Address	Site Name	Options	8
UCM_A	UCM6302	1.0.23.15	manager of	··· Enterprise	Public IP: Private IP: 192.168.5.88	UCM_A	<u>ଷ</u> 0	ē 😳
'otal 1			Access Server ②	D 10.00GB @	Wave App User Guide) (SIP Configuration Guide)			10/page
			Max Remote Calls ② 64 Max Allowed Remote Registrations ③ 400					
			Device Plan UCN	A RemoteConnect - Enterpr	ise (2024/09/22 expires) 🏾 🙀			



GDMS – *UCM Devices*

Edit Cloud IM				
Cloud IM				
Region	EU Region \checkmark			
* Company Name for the Plan				
* Cloud IM maximum storage space (MB)	Available storage space is 10240 MB	Used 0MB		
Message Read Receipt				
* Chat File Limit (MB) 📀	50			
	Cancel Save			

Edit Cloud IM Service

Cloud IM	Toggle on/off Cloud IM service. Note: If the user wants to disable the Cloud IM service which is currently in use and will no longer use it, the data in the Cloud IM server will be cleared after disabling it.
Region	 US Region / EU Region Note: It is recommended to select the nearest region to the UCM device. If the user switches to another region, the data in the Cloud IM server will be cleared.
Company Name For the Plan.	The user can customize the name of the company which will use the Cloud IM service.
Cloud IM Maximum Storage Space	 The user can edit the maximum available storage space for the Cloud IM service. Note: The user needs to allocate some space from the cloud storage space for Cloud IM service usage. The configured storage space must be larger than the space currently

	used by the Cloud IM service and smaller than the available cloud storage space.
Message Read Receipt	When this option is toggled on, Wave clients will display that the message has been seen when the message is read by the recipient.
Chat File Limit (MB)	Set the limit of the chat file which can sent over Wave clients.

1 Note

On the UCM Devices list, the user can click to view the plan information of the selected device and enable the Cloud IM service for the specific device.

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• C0 14 10 14 14	UCM6304	Access Server @	13 🛈 🖻 Θ
 co hi abili 2028 	UCM6302	Storage Space 22.00MB/52.00GB Total Sessions 16 (Maximum Number of Concurrent Remote Sessions)	13 🛈 🗄 💬
CO: In the second secon	UCM6302	Device Plan UCM RemoteConnect - Pro (29/04/2023 expires) 📜 2.00GB Cloud Storage Space	8 0 🖻 Θ
- co:	UCM6304	Cloud IM Service (29/04/2023 expires) <u>Bind UCM Device</u> Cloud Storage Space - Extra 50GB Cloud Storage (29/04/2023	8 0 🖻 Θ
• 00:	UCM6308	expires) 50.00GB Cloud Storage Space	않 ① ₫ ⊙

UCM Device – Enable Cloud IM Service

The user can click the "Save" button to enable the Cloud IM service, and the user can view the Cloud IM service domain name, service ID, and Key.

	× Apply successfully!
Service Domain Service ID Service Key Expiration Time	im.gdms.cloud 100008] 07b2b2773 4 4 4 1011232328c7852c] 2021/07/11
You can copy the above ir bind it in GDMS now. <u>More</u>	nformation to bind CloudIM plan in UCM device, or
	Bind UCM Device Not now

Cloud IM Credentials on Web Interface

The user can quickly bind the UCM device for the Cloud IM service so that the UCM device can start to apply the Cloud IM service quickly.

	Diri	U OCIM DEVICE		
A CloudIM as	ccount supports binding multiple cross-region UC	M devices, and can also be bound on the	UCM device man	agement platform.
	Enter the department, MAC address of	the device and dial prefix 🥥		
	US-UCM	C0 (sqhuł 🗸	99	8
	CN-UCM	CO	88	8
	Add Device			



Bind UCM Device

1 Notes

- The user can also copy the service ID and service key and bind the UCM device to the UCM device management platform. The user can go to the UCM Web
 UI → System Settings → Cloud IM interface and enter the Cloud IM involved information in the blanks. The corresponding IM data are placed in the Cloud IM external server.
- If the UCM Cloud IM service expires, the Wave users cannot log in to the account. The chat data will also be deleted. Please renew the UCM Cloud IM service in time.

Configure Cloud IM Service for UCM

Configure Cloud IM Service for UCM through GDMS

1. After enabling the Cloud IM service, the user can view the UCM RemoteConnect plan which has enabled the Cloud IM service on the "My Plans" page.

Then, the user can click on "Bind UCM Device" to bind the UCM to the Cloud IM instance.

My Plans						
		A	l Statuses 🗸 🗸	Q Enter MAC	/Device Name	
Plan	Owner	Subscription Time ≑	Expiration Time 💠	Status	Options	ġ
UCM RemoteConnect Enterprise Cloud IM Service	(C0:74:AD:45:3E:7E) Organization: HA TEST Grandstream <u>Bind UCM Device</u>	2022/08/26	2024/09/22	Active	() 1≓ 🖉	

UCM Cloud IM Service under My Plan

2. View the UCM devices which are bound to the UCM Cloud IM service. It allows users to add/delete devices. Please see the screenshot below:

		Bind UCM Device		×		
A CloudIM acc	ount supports binding multiple cros	ss-region UCM devices, and can also be bou	nd on the UCM device r	management platform.		
	2021/03/26					
5	US-UCM	00	× 99	Ō		
Enter the department, MAC address of the device and dial prefix 📀						
	CN-UCM	C0:	88	8		
	🕂 Add Device					
		Cancel				

Details of the UCM devices bound to the Cloud IM service

Department Name	Enter the name of the department using this UCM device so that the contact details in the Wave application can be viewed.
UCM MAC Address	Enter the MAC address of the UCM that uses the UCM Cloud IM service. It only supports the UCM devices which have been associated with the GDMS platform. Note: For the UCM devices which have been associated with the GDMS platform, the user can only log in to the UCM management platform to configure the Cloud IM services.

	Dial prefix: It must be consistent with the prefix configuration of the call
Dial Prefix	trunk on the UCM. It is not required and it supports special characters,
	letters and numbers.

Bind UCM Device Parameters

Create New Outbound Ru	le			Cancel	Save
General					
* Outbound Rule Name:	99	Disable This Route:			
* Pattern :		Privilege Level :	Disable	~	E
			Warning: Setting privilege level at "Disabled" will lead to this rule being usable only by a matched Source Caller ID.		
PIN Groups:	None v	PIN Groups with Privilege Level :			
Password:		Auto Record:			
Local Country Code:					
Enable Filter on Source Call	er ID				

Outbound Rule

i Note

- If the user adds/deletes/edits a department name, the status will show as the icon 👔 until the UCM is online and synchronized, and then the updates will be applied.
- The bound device must have the UCM RemoteConnect plan which contains the Cloud IM service.

Configure Cloud IM Service for UCM through UCM Web UI

The user can log in to the UCM device's Web UI \rightarrow Messaging \rightarrow IM Settings \rightarrow Cloud IM Service then tick the box related to "Enable Cloud IM Service. All chat data in the Wave application will be stored in the Cloud IM server, and the data will not be stored in UCM locally anymore.

The user can also configure the Cloud IM service for the UCM device through the GDMS platform. The UCM settings will be synchronized after pushing the parameters to the UCM device.

loud IM Service IM Server	Cancel Save
_	
im1.gdms.cloud	
To view the external CloudIM server address, please go to RemoteConnect	
100198	
100138	
UCM	
it Cloud IM Settings at 《Cloud IM Server Admin Guide》	
© 2023 Grandstream Networks. Inc.	
	Image: Image

Could IM Service Settings

Table: Cloud IM settings

Cloud IM Service	
Enable Cloud IM	If you have purchased the UCM Cloud IM package or purchased the Grandstream IM server, you can configure it. If you have not purchased it, the configuration will not take effect, but UCM local IM service is allowed. Please note that after enabling this feature, local chat data will not be visible.
Local Proxy	If enabled, the local proxy will be used to forward files and text messages if the IM server cannot be connected to upon Wave login due to certificate issues.
Cloud IM Server Address	The address of the server that provides IM service, you can fill in the address of the Cloud IM server provided by the RemoteConnect package or the IM server address of the GDMS.
Service ID	The service ID of the Cloud IM server.
Кеу	The Key to the Cloud IM server.
Site Name	Enter the name of the site.
Trusted User	The trusted user of the cloud IM. Only letters, numbers, and special characters are allowed.
Prepend	As the extension prefix, it is added before the extension number.
Sync Local Chat Data	 Syncing existing local chat data to Cloud IM server. The Wave chat feature will not be available during the syncing process. It is recommended to avoid syncing during active working hours. - Time Range All Last 12 Months Last 6 Months Last 3 Months Last 3 Months Iast Month - Data Type IM Data Images Files

Configure Shared Department

The user can create a new department or edit an existing department to make it a shared department. This allows other UCMs to assign extensions to the

shared department. When the user accesses the department on the contact list on Wave, he/she will be able all the extensions which are shared across the regions.

Step 1: To create a shared department please navigate to the web GUI of the UCM, then go to Contacts -> Department Management the click on

+ Add

Add Department		×
* Department Name Upper Level Department	UCM ~	
* Contact View Privileges	All Contacts ~ Add / Edit Privileges	
Set as Shared Department Share to Following Sites	Please select Cancel OK	

Add Department

Department Name	Enter the name of the department.
Upper Level Department	Select the upper level department if the department being created is a nested department.
Contact View Privileges	 All Contacts: The extensions in this department will be able to see all the contacts. Department & Sub-department Contacts: The extensions in this department will only be able to see the contacts which are in the same department or in sub-departments.
Set as Shared Department	Enable this option to share this department across the UCMs which use the same Cloud IM server. To be able to enable this option, make sure that the UCM has a RemoteConnect Plan and is correctly connected to the Cloud IM server.
Share to Following Sites	Pick the sites to which you want to share this specific department.

Step 2: Enable "Set Shared Department" then select the sites to which the department will be shared across.

Once the sites are chosen, the department will be shared across all the UCMs in the respective sites.





Select Sites

View Cloud IM Storage

With the Cloud IM service, all chat data will be stored in the storage space of this service.

Log in to the GDMS platform, the user can go to "**My Plans**" to find the Cloud IM service, and the user can click the button ① to view the service domain, service ID, service Key, and the usage of the storage space of this service.

<u>My Plans</u> > Plan Details		
Cloud IM Service Domain: im1.gdms.cloud Plan Storage: 1GB (0B Used — 0%)	Service ID: 100181 Service Key: bf99600855c84622b8d03734e45872d3	

Plan Details

1 Note

- If the storage space for this plan is full, the user cannot send files and pictures in the chat.
- The user needs to allocate some space from the cloud storage space for the Cloud IM service usage. The user can customize the maximum storage space used by the Cloud IM service. If there is no more available cloud storage space, the user can contact the device distributor to upgrade the UCM RemoteConnect plan to a higher-level plan to obtain more cloud storage space.

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