
Guidelines for Distributed Deployment and Batch Upgrade of CMS Servers

Overview:

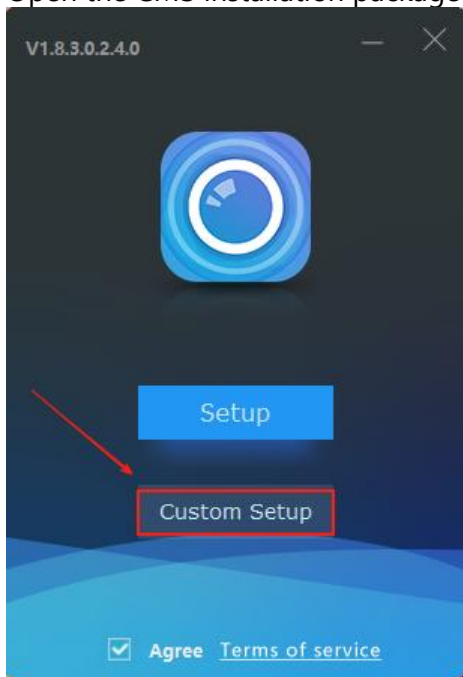
This document provides guidance for distributed deployment of CMS servers for large projects with thousands of devices and batch upgrades of servers.

CMS Server Components:

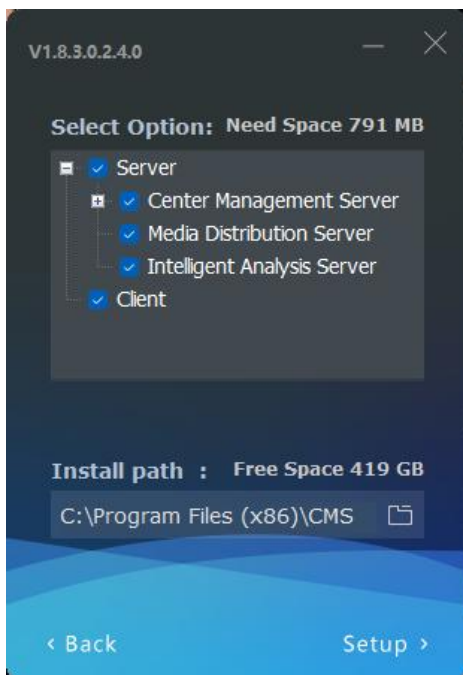
- IAU (Intelligent Analysis Unit)
- CMU (Central Management Unit)
- MDU (Media Distribution Unit)

Procedure:

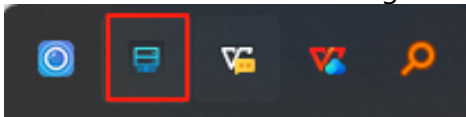
1. Open the CMS installation package and select [Custom Setup](#).



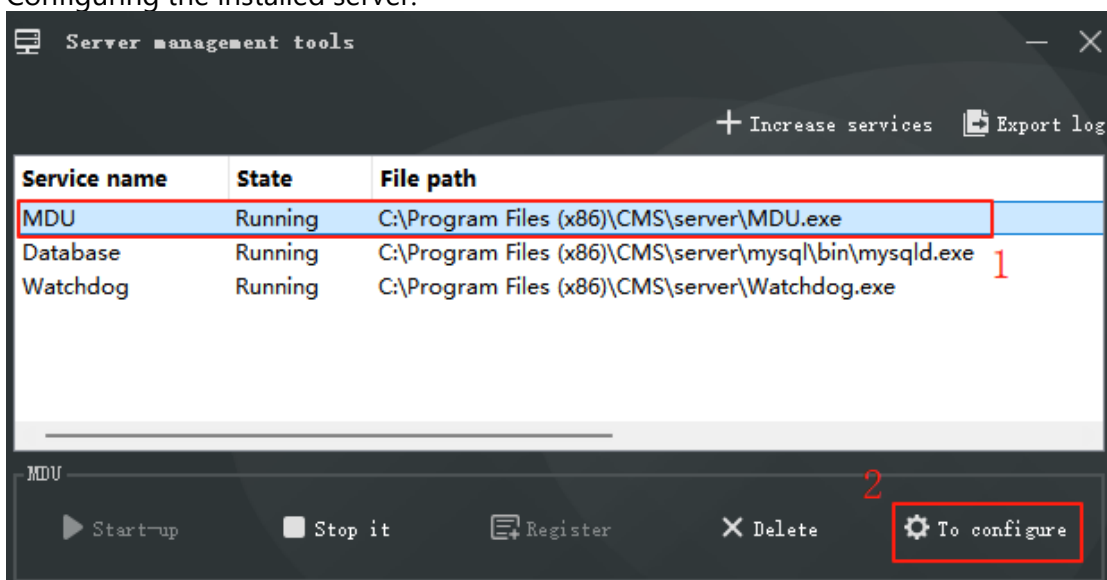
2. Select the specific server that you would like to install.



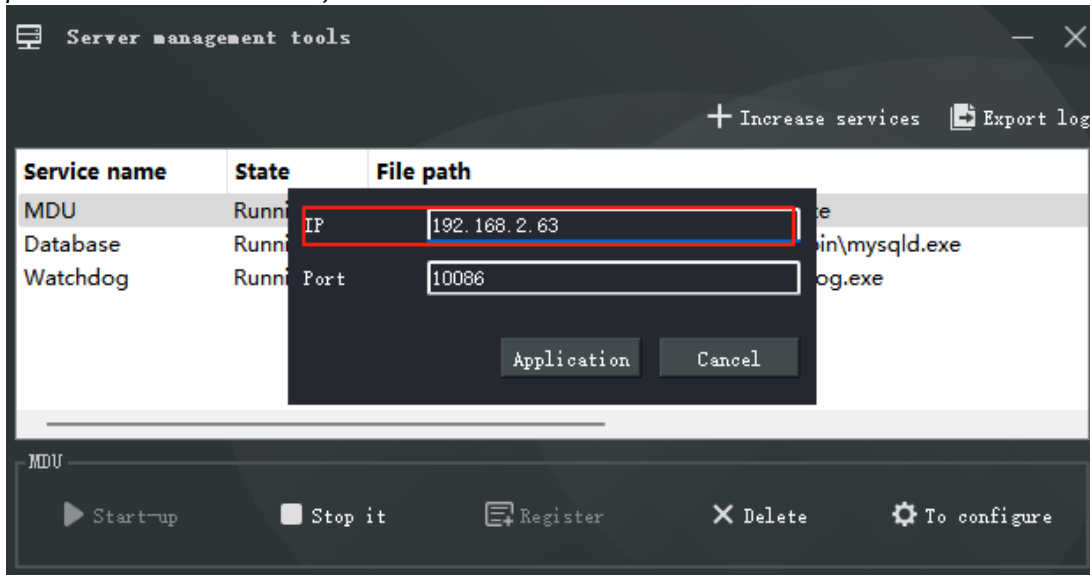
3. After installation, go to your computer's system tray (bottom-right corner of the taskbar) and double-click the Server Manager Tool icon as shown below.



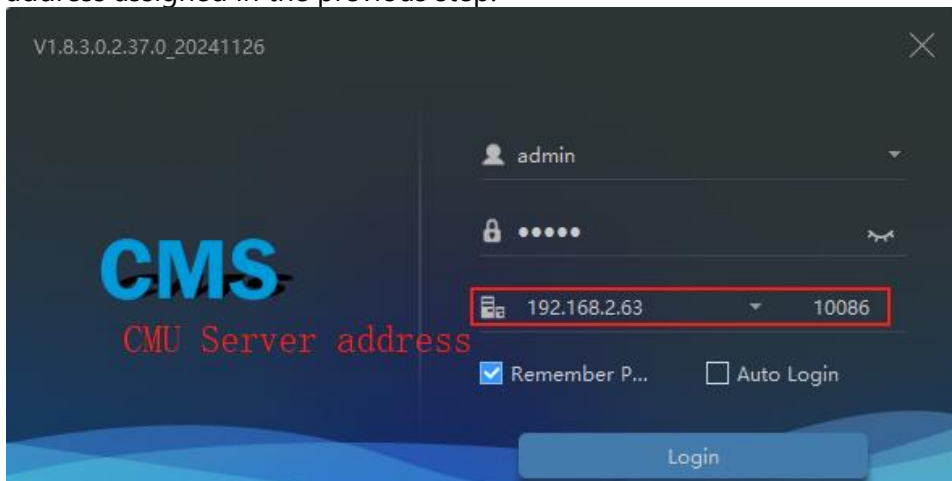
4. Configuring the installed server.



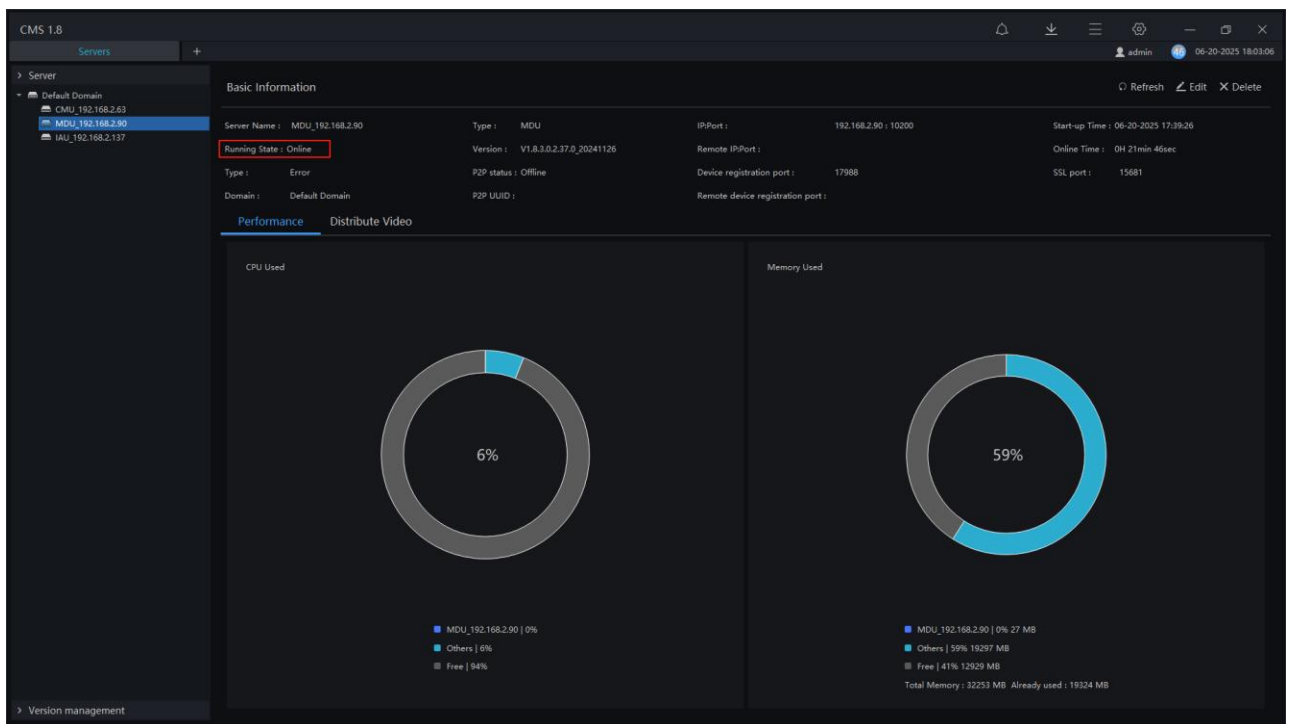
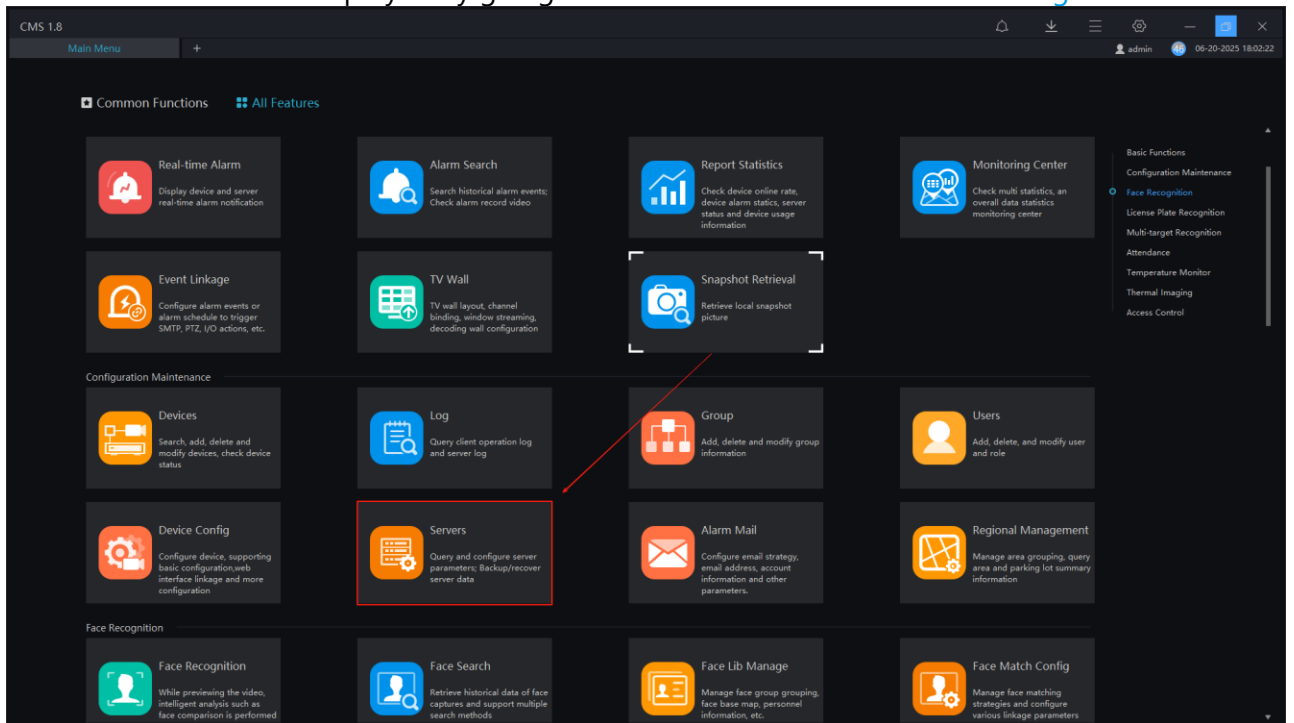
5. Assign a primary server (CMU) IP address. *(The CMU, IAU and MDU must be in the same LAN or forwarded to the network)*



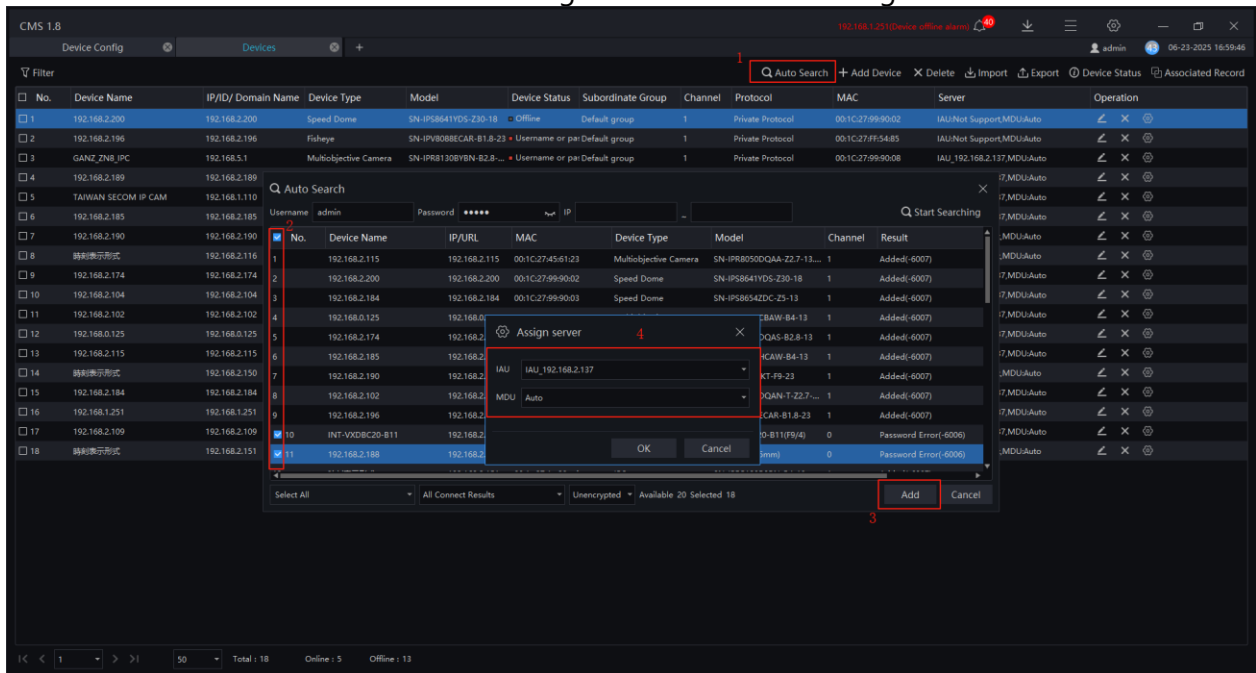
6. Start the client and log in to the administrator account. Make sure to use the CMU server address assigned in the previous step.



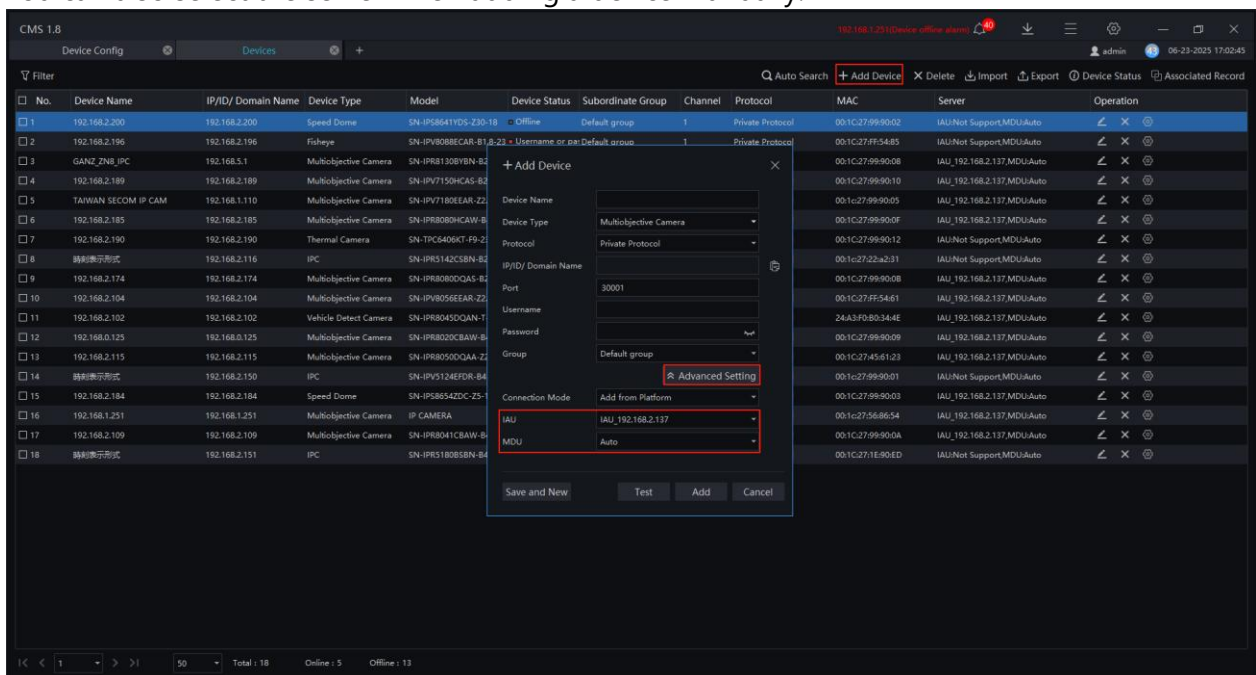
7. Check the status of the deployed by going to the [Main Menu > Servers > Running State](#).



8. You can now select the servers when adding devices in batches using **Auto Search**.



You can also select the server when adding a device manually.

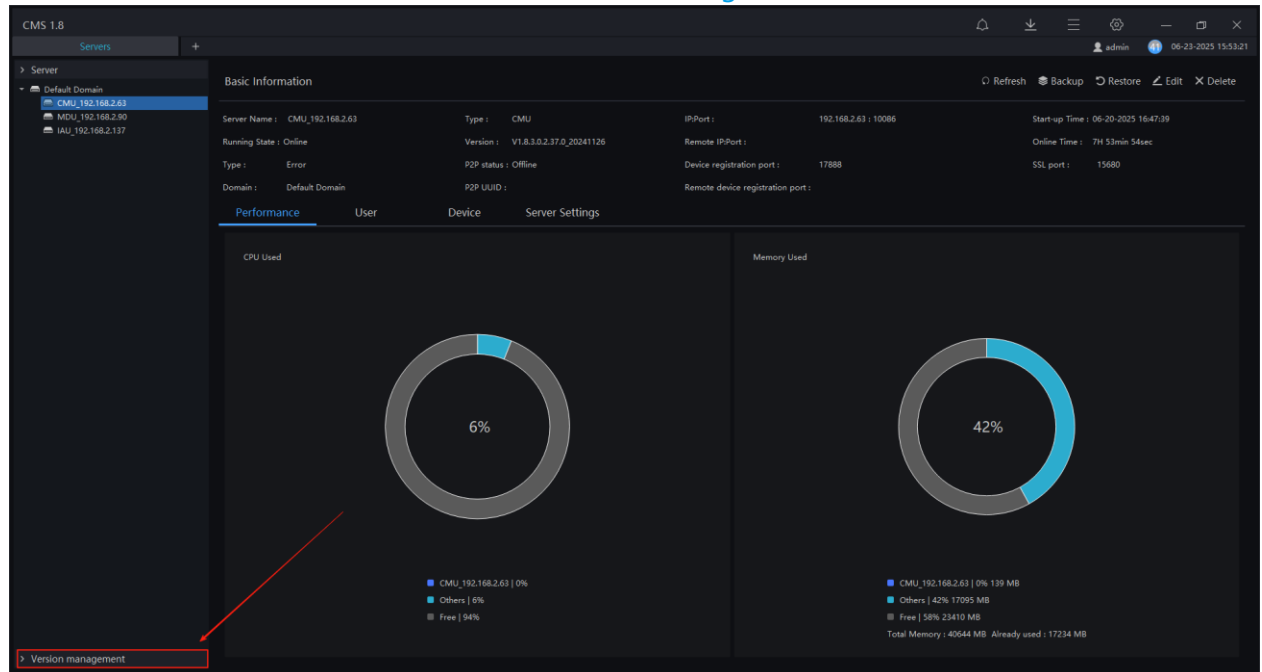


Important Note: Since IAU stores AI data, you can only select a fixed server and cannot select 'Auto' to automatically switch according to server load as MDU. Otherwise, the previous data will be lost.

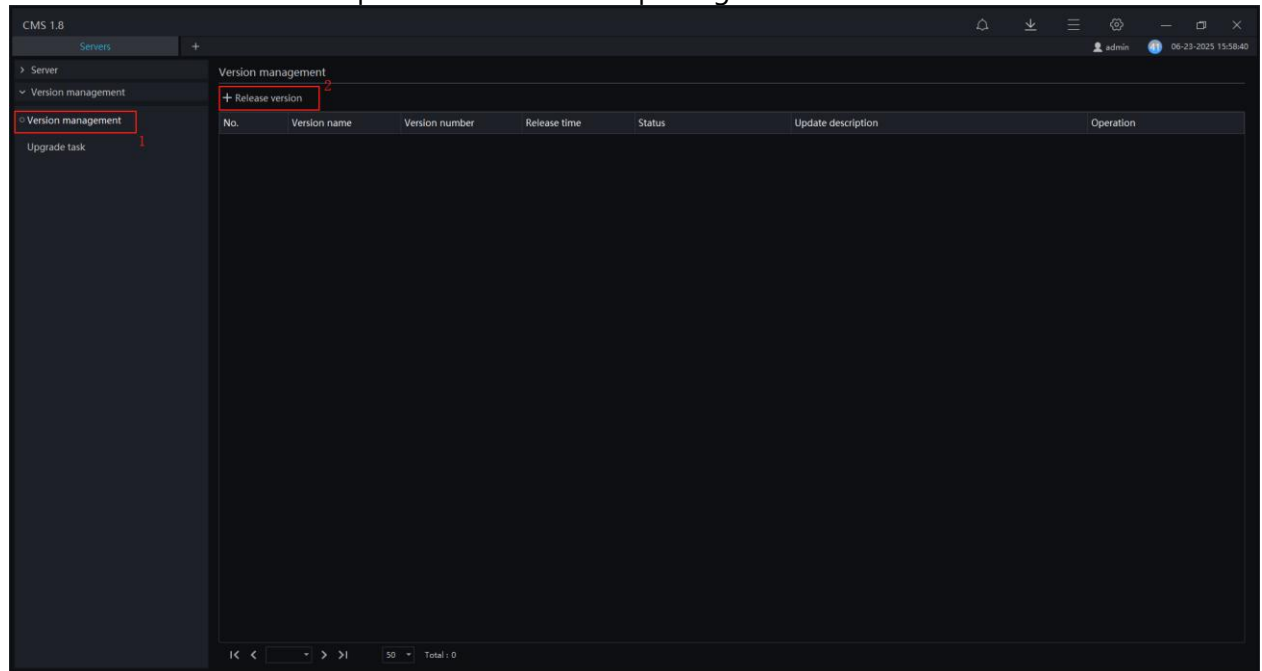
9. How to upgrade servers in batches

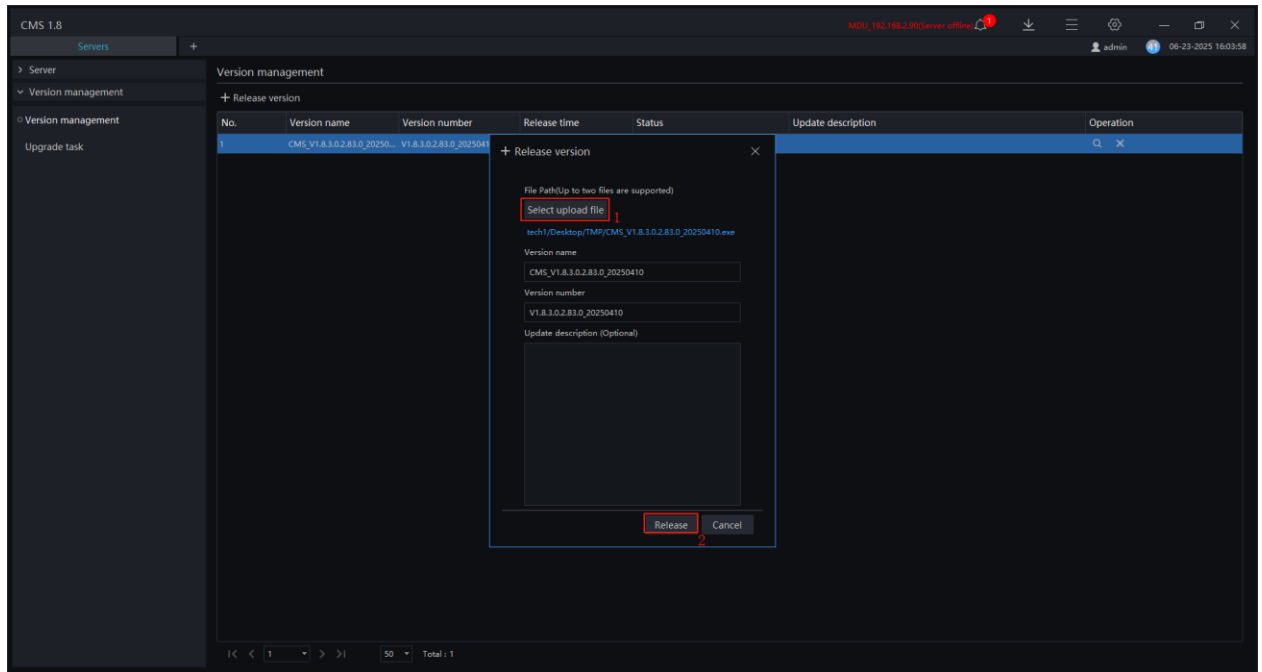
Important Note: This upgrade process only supports transitions between the same CMS brand type.

- Log in to CMS client using the administrator account.
- Go to the [Main Menu](#) > [Servers](#) and click [Version management](#).



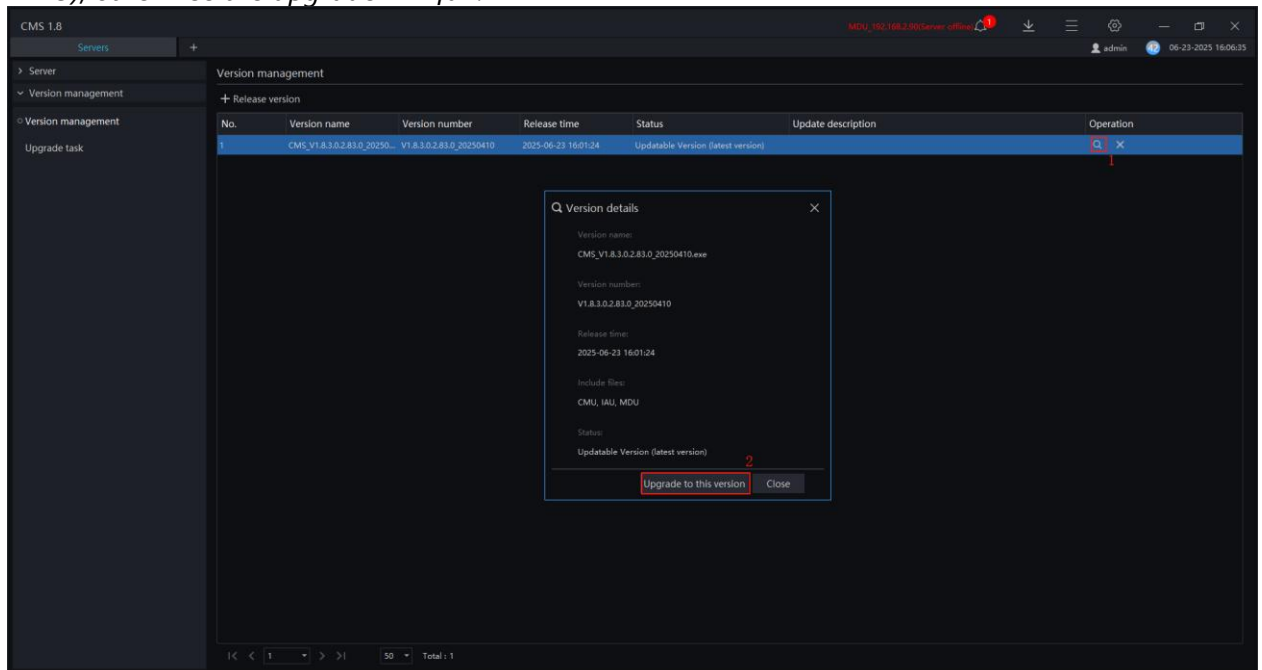
- Click [Release version](#) and upload the installation package.





- d. After the release is successful, start the upgrade as shown in the following figure. The server will then start upgrading. After the upgrade is successful, the server will automatically restart.

Important Note: Before starting the upgrade, please close the client on the sub-server (IAU, MDU), otherwise the upgrade will fail.



CMS 1.8

Servers

+

admin

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Server

Version management

Upgrade task

Upgrade task

No.	Server IP	Include module	Updated version	Last updated	Status	Status
1	192.168.2.90	MDU	V1.8.3.0.2.83.0_20250410	2025-06-23 16:01:24	Preparing for update	
2	192.168.2.137	IAU	V1.8.3.0.2.83.0_20250410	2025-06-23 16:01:24	Preparing for update	
3	192.168.2.63	CMU	V1.8.3.0.2.83.0_20250410	2025-06-23 16:01:24	Preparing for update	

Currently, only the server is upgraded,
not the client, Downloading

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