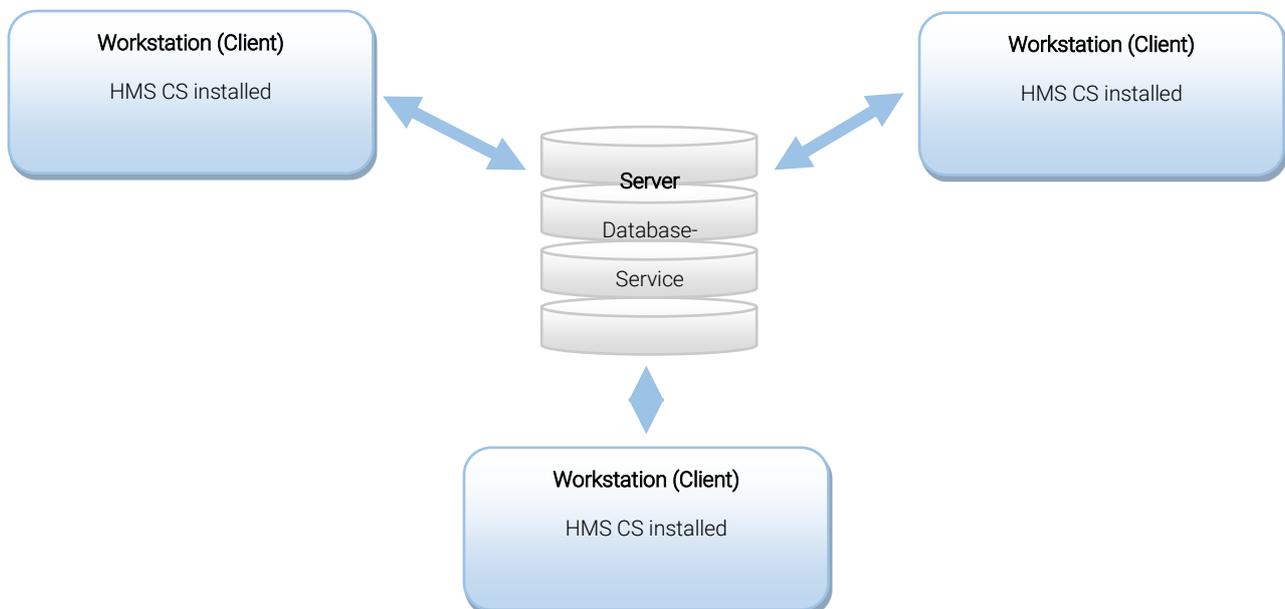


HMS CS Version 6.3 - Network Installation

The HMS CS software can be installed on a network, with the central database located on the server that provides the database service. Users operate the HMS CS software from their workstations (clients) and access the central database from there.

To successfully install the software on a network, the following steps are required:

- Install the HMS CS software on the server (database computer)
- Install the database service on the server (database computer)
- Configure the HMS CS software on the database server
- Install the HMS CS software on the desired workstations (clients)
- Configure the HMS CS software on the workstations (clients)



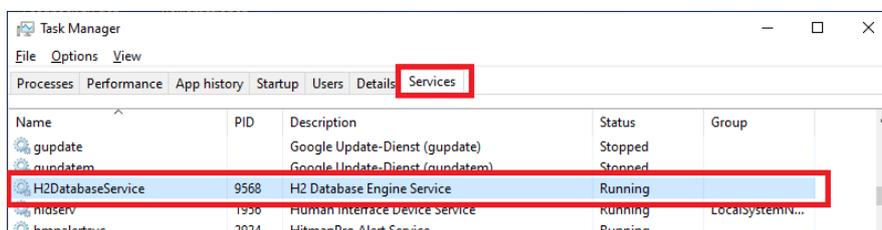
Attention: Please use the same HMS CS version exclusively for all installations. Accessing older (or newer) HMS CS versions can lead to data loss!

Preparation for an HMS CS update

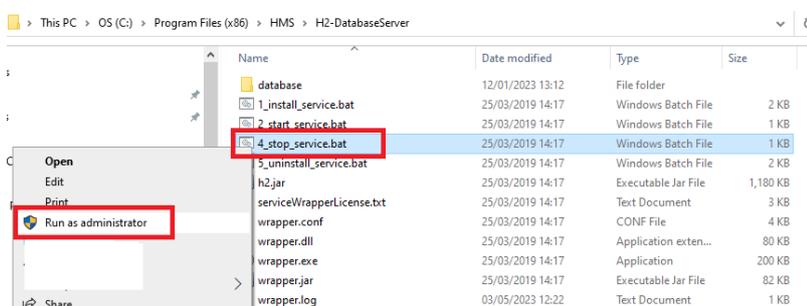
- Please perform a database backup before uninstalling or updating HMS CS.
- In case of a network installation, the database can be found in the installation directory (...HMS\H2-DatabaseServer\database).
- (Default: C:\Program Files (x86)\HMS\H2-DatabaseServer\database)
- Please ensure that the database settings on the server match those of the clients before uninstalling the old HMS CS.
- (Example: H2 Client - //192.168.1.1/database)
- In case of GDT connections or special configurations, please also backup the "**init.properties**" file if it exists in the "**customizable**" folder.
- After backing up the database (and **init.properties**), the uninstallation can begin.

Uninstalling the database service (H2-DatabaseServer)

- Before uninstalling HMS CS from the database server, the database service must be stopped and uninstalled. It is listed in the Task Manager under "Services".



- Navigate to the H2-DatabaseServer directory, which can be found in the installation directory of the HMS CS software.

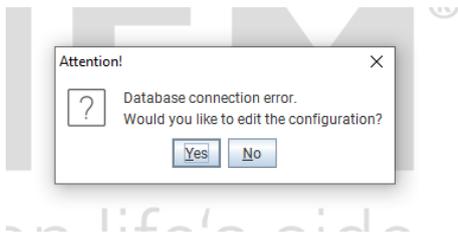


- To stop the database service, run the batch file **4_stop_service.bat** (via right-click -> Run as Administrator).
- To uninstall the database service, run the batch file **5_uninstall_service.bat** (via right-click -> Run as Administrator).
- Please check in the Task Manager that the **H2DatabaseService** service is no longer displayed.

Installation of the Database Service - Update of HMS CS

Now the old HMS CS version can be uninstalled from the server and HMS CS 6.2 can be installed. After uninstalling HMS CS, the database files and configurations (such as database settings, GDT settings) will not be deleted.

If you try to start HMS CS immediately after installing the new version, the following error message may appear - Reason: the database service is not yet installed.



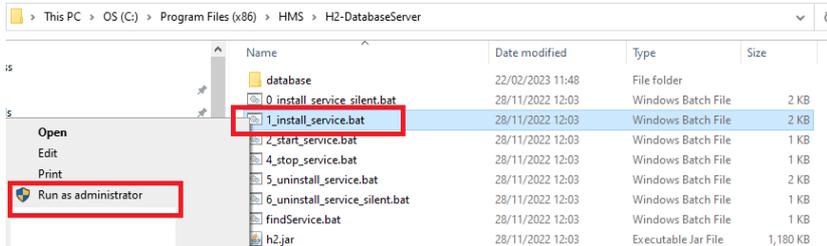
Please close the error message with "No".

- Now navigate to the **H2-DatabaseServer** directory, which you can find in the installation directory of the HMS CS software.
- Rename the original "**wrapper.conf**" file to "**wrapper.conf.org**".
- Copy the new "**wrapper.conf**" file into the **H2-DatabaseServer** directory.

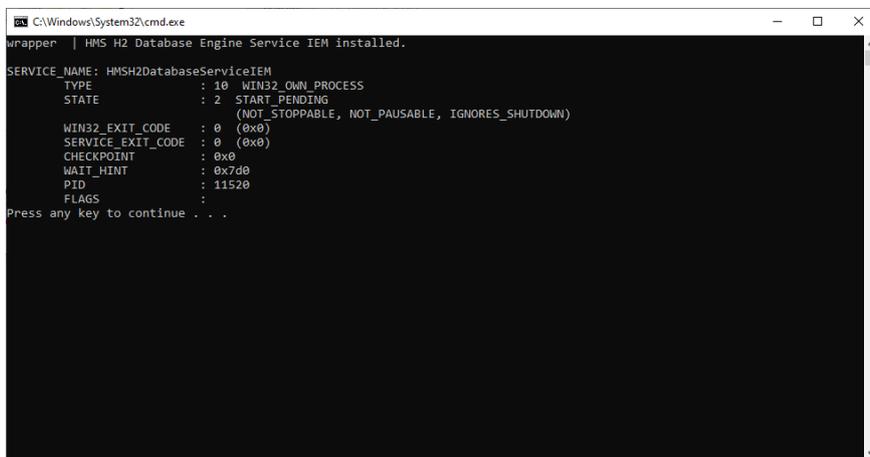
Name	Date modified	Type	Size
database	22/02/2023 11:48	File folder	
0_install_service_silent.bat	28/11/2022 12:03	Windows Batch File	2 KB
1_install_service.bat	28/11/2022 12:03	Windows Batch File	2 KB
2_start_service.bat	28/11/2022 12:03	Windows Batch File	1 KB
4_stop_service.bat	28/11/2022 12:03	Windows Batch File	1 KB
5_uninstall_service.bat	28/11/2022 12:03	Windows Batch File	2 KB
6_uninstall_service_silent.bat	28/11/2022 12:03	Windows Batch File	1 KB
findService.bat	28/11/2022 12:03	Windows Batch File	1 KB
h2.jar	28/11/2022 12:03	Executable Jar File	1,180 KB
H2ServiceInstaller.bat	28/11/2022 12:03	Windows Batch File	1 KB
H2ServiceInstaller.log	20/01/2023 08:06	Text Document	4 KB
install_service_silent.log	20/01/2023 08:06	Text Document	1 KB
serviceWrapperLicense.txt	28/11/2022 12:03	Text Document	2 KB
wrapper.conf	28/11/2022 12:03	CONF File	4 KB
wrapper.conf.org	28/11/2022 12:03	ORG File	4 KB
wrapper.dll	28/11/2022 12:03	Application Extension	88 KB
wrapper.exe	28/11/2022 12:03	Application	200 KB
wrapper.jar	28/11/2022 12:03	Executable Jar File	82 KB
wrapper.log	03/05/2023 12:22	Text Document	14 KB

The new "**wrapper.conf**" file can be downloaded [here](#).

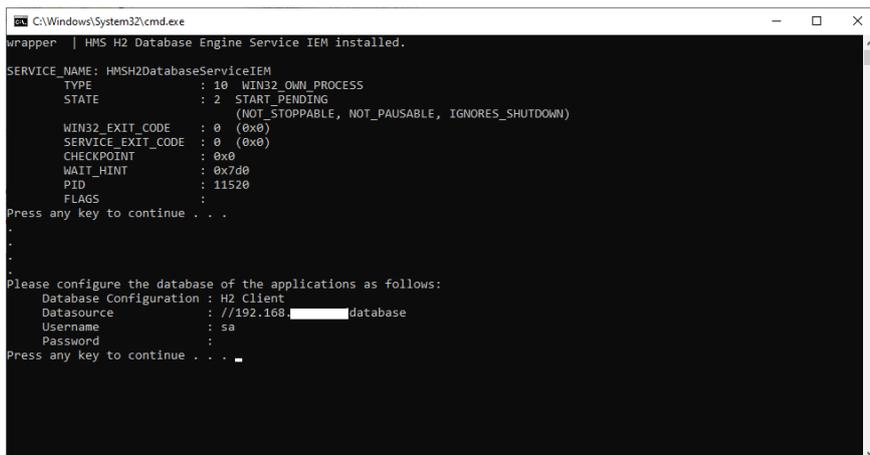
To install and start the database service, run the batch file **1_install_service.bat** (right-click -> **Run as administrator**).



Now the following window should appear.



Press any key.



Now in the Task Manager, under Services, you should see "**HMSH2DatabaseServiceIEM**" with the status "**Running**" visible.

You can also determine the IP address of the database server by pressing the **Windows key + R**, typing "**cmd**" in the Run dialog, and using the command "**ipconfig**".

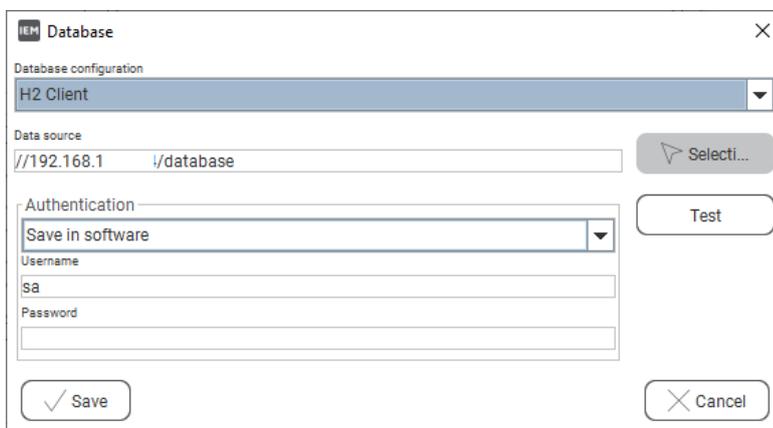
The IPv4 address displayed here should be the correct IP address. If in doubt, please contact the system administrator.

Configuring the HMS CS software on the database server

Applies only to new installations:

Note: When installing HMS CS for the first time, the "HMSH2DatabaseServiceIEM" service is automatically installed on the computer. This service must be stopped and uninstalled first (see from page 2). Only after replacing the `wrapper.conf` file, the "HMSH2DatabaseServiceIEM" service can be installed.

Now start the HMS CS software on the database server.
Click on **Options** (•••) -> **Database** and configure the settings.



The screenshot shows the 'IEM Database' configuration window. It features a 'Database configuration' dropdown menu set to 'H2 Client'. Below this is a 'Data source' field containing '///192.168.1 /database' and a 'Select...' button. An 'Authentication' section includes a 'Save in software' dropdown, a 'Username' field with 'sa', and a 'Password' field. 'Test', 'Save', and 'Cancel' buttons are also present.

- Under Database Configuration, select **H2 Client** (already selected by default).
- Enter **///IP-Address_of_the_database_server/database** under Data Source.
- Verify the configuration by clicking the Test button.
- Save the configuration by clicking the Save button.
- After successful configuration, you must exit and restart the HMS CS software once.

Note:

The database can also be protected with a password (applies only to newly created databases). After entering the data source, assign a username and password for the database. If you protect your database with a password, please note that you must enter this information on each client computer in order to connect to the database - In this case, please document your username and password. Unfortunately, IEM cannot assist in case of lost access credentials.

To allow other clients to access the database, please open the **TCP port - 9092** in the **Windows Defender Firewall with Advanced Security** under "**Inbound Rules**".

Applies to existing network installations:

When updating HMS CS with a network installation, the database configuration should also be checked. However, a change in the database settings should not be necessary.

Important: It is crucial to ensure that you are working with the correct "old" database on all computers (server and clients). Otherwise, you will have multiple databases that cannot be merged anymore.

Installation and configuration of HMS CS on workstations (clients)

After installing HMS CS on the clients, the same settings must be entered under **Options (•••) -> Database**.