

## 24.13. mSupply server administration

mSupply server provides a number of administrative features that enable fine-tuning and robust management of the system.

### Server monitor

The server monitor tells us our computer hardware specification, database engine version, and license information including maximum connections



### Users

The Users tab shows us connected users with LAN information, IP address, machine name and Windows logon user name

[illegible]

## Processes

The processes window shows system resource consumption for each process. This is a useful screen to analyse slow or otherwise unresponsive systems.

mSupply - [mSupply.4DC - 4D Server Administration]

File Edit Window Help

Monitor Users (1) Processes (23) Maintenance Application Server SQL Server HTTP Server Session/Process name...

☒ Display processes by groups

Users processes (4) 4D Processes (15) Spare processes (4)

Process name	Session	Type	Num	State	CPU Time	Activity
schedule		Stored procedure	4	Delayed	00:00:00	0.00 %
Client Manager	-	Application server	3	Waiting for flag	00:03:04	0.00 %
DB4D Flush	-	DB4D Server	0	Running	00:00:01	0.00 %
DB4D Index builder	-	DB4D Server	0	Running	00:00:00	0.00 %
Internal Timer Process	-	Application server	2	Executing	00:00:03	0.00 %
Task managers	-	SQL Server	0	Running	00:00:01	0.00 %
User Interface	-	Application server	1	Waiting for event	00:00:13	15.03 %
Application process	sussol	4D Client Process	5	Waiting for I/O	00:00:04	0.00 %
MSU_sussol	sussol	4D Client Process	6	Waiting for I/O	00:00:00	0.00 %
navigatorProc	sussol	4D Client Process	7	Waiting for I/O	00:00:00	0.00 %

## Maintenance

The maintenance tab is where data info and actions can be retrieved and performed. The window shows when tasks were last performed and provides the settings to perform verification, data compacting and log recording.



## Backup

The Backup tab provides settings to manage the way your data is backed up and where the backup file resides. This is a critically important section to manage properly as your data is a key asset of your system.

[Schedule a backup:](#)



Configure content and destination of the backup:



Backup & Restore: Decide how many backups to store in your destination folder. You may also set the system to retry backups if a backup is not possible at the scheduled date and time. Eg. if the system is not running.

The image shows the 'mSupply - Database Settings' window with the 'Backup & Restore' tab selected. The window has a toolbar at the top with icons for General, Interface, Compiler, Database, Moving, Backup, Client-server, Web, SQL, PHP, Security, and Compatibility. The 'Backup & Restore' tab is active, showing three sub-tabs: Scheduler, Configuration, and Backup & Restore. The 'General settings' section includes checkboxes for 'Keep only the last' (set to 1) backup files, 'Backup only if the data file has been modified', and 'Delete oldest backup file' (set to 'after backup'). It also has radio buttons for 'If backup fails:' with options 'Retry at the next scheduled date and time' and 'Retry after' (set to 60 seconds), and a checkbox for 'Cancel the operation after' (set to 5 attempts). The 'Archive' section has dropdown menus for 'Segment Size (Mb):', 'Compression Rate:', 'Interlacing Rate:', and 'Redundancy Rate:', all set to 'None'. The 'Automatic Restore' section has checkboxes for 'Restore last backup if database is damaged' and 'Integrate last log if database is incomplete' (checked). At the bottom are buttons for 'Factory settings', 'Cancel', and 'OK'.

mSupply - Database Settings

General Interface Compiler Database Moving Backup Client-server Web SQL PHP Security Compatibility

Scheduler Configuration Backup & Restore

General settings

☒ Keep only the last 1 backup files

☐ Backup only if the data file has been modified

Delete oldest backup file: after backup

If backup fails: ☐ Retry at the next scheduled date and time ☒ Retry after 60 Seconds

☐ Cancel the operation after 5 attempts

Archive

Segment Size (Mb): None

Compression Rate: Fast

Interlacing Rate: None

Redundancy Rate: None

Automatic Restore

☐ Restore last backup if database is damaged

☒ Integrate last log if database is incomplete

Factory settings Cancel OK

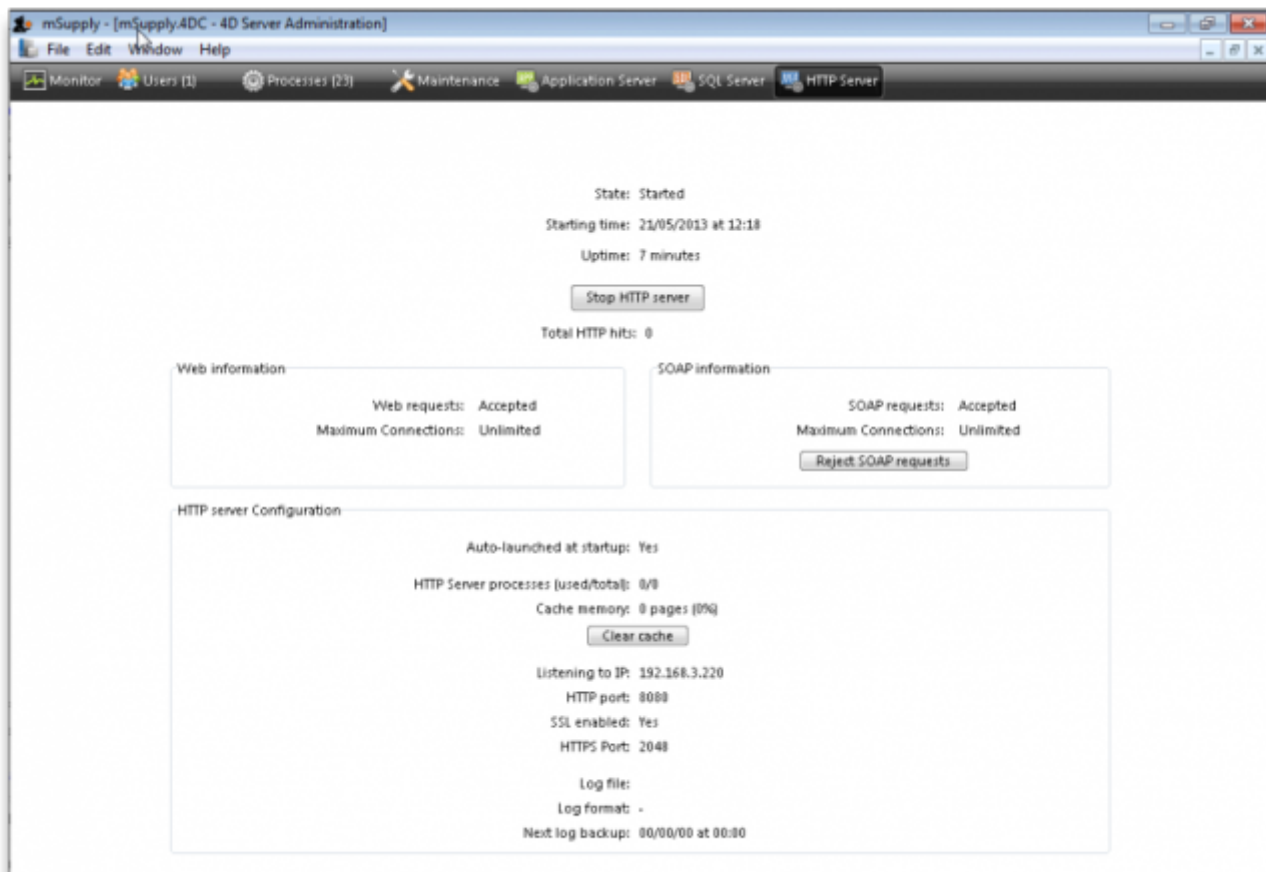
## Application server

Application server: The application server provides settings to manage the structure (.4DC file) and data (.4DD) files. It also provides information about LAN and system memory.



## Web server

Web server: The Web server tab shows the web server status and running ports. The web server can be started or stopped from this tab.



## mSupply file extensions and types

This information is just for reference and to help your understanding.

On both Macintosh and Windows OS - five files.

- A structure file (.4DC suffix)
- A structure resource file (.rsr suffix)
- An executable file (.exe suffix)
- A data file (.4DD suffix)
- A data resource file (.4DR suffix)

## File arrangement

It is easiest to keep all relevant files in the same folder, in a reasonably accessible place on your hard drive. (For example, directly on your "C" drive.)

If you make copies, don't leave them in the same folder, or you'll just get confused!

There are several folders to store reports and queries that need to be in the same folder as your structure file. Note that these folders are automatically created when you unzip the program files the first time. They are mentioned here so those of you with an inquisitive streak won't unknowingly do damage!

- A reports folder. This stores reports that are used by the program. Leave this folder alone- store



your own reports in the custom reports folder.

- A custom reports folder. Store the reports you create here.
- A custom queries folder. Store the queries (searches) you create here.
- A custom labels folder. Store any label templates you create here.

Note that on Windows or Macintosh the run time application (that is, the database engine- “4Drun.exe” file on windows) can reside anywhere on your hard disk, and does not need to be regularly backed up (although you should have one backup copy somewhere!)

## Getting the right data file when you open mSupply

Important! If you open mSupply by double-clicking the “start mSupply” icon on the desktop (Mac users- by double-clicking the structure file), mSupply will try to open the same data file that was last opened. It will open the same file each time if you repeat the same procedure. If you make a copy, and then double-click the copy of the structure file, mSupply may still open using the data file from the original if it can find it.

To choose the data file manually do this:

Mac: hold down the option key as you click the OK button in the password window. You will then be given an open/save box to choose the correct data file.

Windows: Launch the program and then quickly hold down the Alt button until you see a box come up. It will give you an option to Select another data file.

If you are not sure which structure and data file you are currently using, on a pc logged into the correct datafile, choose about mSupply... from the help menu (Windows) or the apple menu (Mac).

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Last update: **2021/03/31 14:47**

