

15.07. Synchronisation



- Synchronisation preferences are only relevant for a **syncd system**.
- These preferences can be safely ignored if you have a stand-alone mSupply installation, or a single server.

Admin > Preferences > Synchronisation

The screenshot shows the 'Preferences...' window. On the left, a vertical list of settings categories includes General, Misc, Purchase order defaults, Purchase order 2, Invoices 1, Invoices 2, Item, Price, Quotes, Reports, Names, Tender, Reminders, Patient Medication, Drug Interactions, Registration, Printing, OK and print, Logo, Dispensary mode, HIS, Log, Backup, Backup 2, Email, Server, Synchronise (highlighted), and Customization. The main panel features a red padlock icon with the text 'Click to un-lock'. Below this, there's a section titled 'This site' containing input fields for 'Sync ID' (0), 'Sync time interval' (1), and 'Sync request size' (20). To the right of these fields is a checked checkbox labeled 'Use js node HTTP client' and a 'Check connection' button. Further down, a section titled 'Synchronize parameters' contains a search bar labeled 'Search sync IDs, user names' and a table with three columns: 'Sync ID', 'User name', and 'URL'. The table has one row with data: Sync ID '2', a blurred user name, and a blurred URL. To the right of the table are two icons: a plus sign (+) and a minus sign (-). At the bottom right of the window are 'Cancel' and 'OK' buttons.



These settings will normally only be changed by Sustainable Solutions. They are not intended for general use by mSupply users. Documentation here is for reference only.

This list contains the names of the servers to synchronize with. If this is the primary server all the satellite servers will be identified in this table. If this is a satellite server then the primary server only will be identified in here. Click on the '+' button to add a server to the list (takes you to another window where you enter the Sync ID, Name, Store and URL for the server to synchronize. Note that these values, except URL will have been entered in this page on the servers hosting the stores selected. Make sure you enter the right values! The URL field contains the full URL of the server hosting the store to synchronize) and the '-' button to delete a server you have selected in the list.

Editing sync preferences

Sync time interval: This is the time interval in minutes between requests for new information that the satellite servers make to the primary server.



Setting this to 0 effectively pauses sync (after the current sync 'batch' has finished syncing).

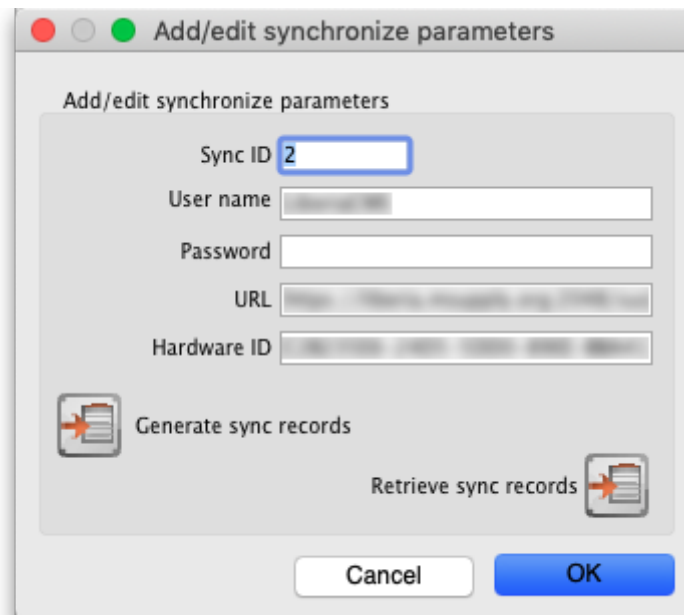
Any user with permission to edit preferences can edit the sync time interval. **This is the only synchronisation preference that can be edited without clicking the un-lock button.**

Click to Un-lock button: Altering these preferences can have serious consequences for your mSupply® data so the remaining synchronisation preferences are protected by an authorisation code. Click on the 'Click to Un-lock' button and you are presented with the following screen:

To continue and edit the synchronize preferences enter your authorisation code in the box and click on the OK button. To return to the preferences screen without unlocking the synchronize preferences click on the Cancel button.

Synchronize parameters

- **Sync ID:** The ID of the current store to use in the synchronization process. You choose this - it MUST be unique to each store to be synchronized. ID 1 is reserved for the primary server (so, if this is the primary server put 1 in here).
- **User name:** Communication between the primary and satellite servers is authenticated. This user name and the password field must match what the primary server is expecting. So, you can enter any valid username and password in these fields but they must all be the same for the primary and satellite servers.
- **Password:** as above.
- **URL:** On a remote site, this should be the central servers URL or IP address. On central server, if any sites have this field populated it'll disable sync.
- **Hardware ID:** This is a unique hardware identifier of the remote machine. If the remote machine hardware has changed (e.g. a new computer), you'll need to clear this value on the central server.



Add/edit synchronize parameters


Sync ID


User name

Password

URL

Hardware ID

 Generate sync records

Retrieve sync records 

Cancel OK

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