25.15. Managing users

About users and groups

User permissions are per-store, so a user can have different permissions when logged into different stores.

If you have many users that need to have the same permissions (because they carry out the same role, for example), you can create a group and assign the users to the group. Once a group is set up and permissions for the group assigned, any users that are assigned to the group will inherit the group's permissions, rather than having to set permissions for each user individually. When you change a group's permissions, you change the permissions for all users who belong to that group.

If you want to change a user's permissions and find out that all their permissions are greyed out and uneditable then it means they are a member of a group. To edit their permissions separately from the group, they must first be removed from the group:

- Edit the user, change the **Is a member of** drop down list to None, click **OK** (see below for details).
- Open the user again and their permissions will be editable.

Refer to Using groups below for more details. If the user is to remain part of the group then you must change the group's permissions (see Editing a group below) but beware, this will change the permissions for all users who belong to the group, not just the user you're interested in.

If you want to disable a user, perhaps because the staff member has left the organisation, then they must be made 'inactive':

• Edit the user, uncheck the Active checkbox, click OK.



If the **Active** checkbox is greyed out, it is because they are a member of a group. You will need to first remove them from the group before you can make them 'inactive':

- Edit the user, change the Is a member of to None
- Edit the user, uncheck the Active checkbox, click OK.

Of course, if the whole group of users needs to be made inactive then you can just uncheck the **Active** checkbox for the group.

Adding and editing users and groups

mSupply has a comprehensive system of controlling user access, allowing you to manage in fine detail what each user can do and see in the system. You can manage users individually, in groups or a mixture of both - whichever is most suitable for your situation.

User access is managed by choosing **File > Edit users** from the menus, or by choosing **Admin > Edit users** in the Navigator. When clicking on this option you are presented with a list of current users:

-		Show: Users		
New User Permi	ission report	Search users		Q
User	Job title	Groups	Active	
Atotione	Pharmacy Assistant		\$	-
Asomitics			~	
Bento	mSupply mobile us		~	
Bittitoro	Deputy Chief Pharr		~	
Disc	Ag DHS		~	
D	Deputy Secretary, F		1	
Folili	Temporary staff (Ka		~	
Low Man	Assist. Medical Pro		1	
Galleria	Chief Pharmacist		~	
Jaurotti				
Ka	Pharmacy Assistant		\checkmark	
Ka	Temporary staff (Ta		~	
κ				
Kennis				
Kimili	temporary staff (Ke		~	
kiest	mSupply mobile us		~	
Mannes	Pharmacy Storeman		~	
Mattine	Pharmacy Assistant		~	
Me	Assist.Medical Proc		\checkmark	
Miller			1	
Moerman	Pharmacist (Wards,		\checkmark	
OF	OPD Dr		~	
Cana Cana Cana Cana Cana Cana Cana Cana	Temporany Chaff (A)		1	>
Double-click a user to			OK	

The list shows you the following information:

- User The user's name.
- Job title The user's job title, as entered on the details tab of the user's details form.
- **Group** The group the user belongs to. Will be blank of the user does not belong to a group.
- Active Checked if the user is allowed to login to the system.

To view groups rather than users, choose **Groups** from the **Show** Drop-down list at the top-right of the window. The list changes slightly to look like this:



New group	Permission report	Show	Groups	:
	Group		Active	
lanagers				
				_
uble-click a u	iser to edit details			

Now the list shows you slightly different information:

- **Group** The name of the group
- Active Checked if the group is active. If the group is active then all users in the group are allowed to login to the system. If the group is inactive (checkbox unchecked), all users in the group are inactive and are not allowed to login to the system.

To get a list of all current user permissions, click the **Permission Report** button. An Excel spreadsheet will be generated (see

sample

); it will have one worksheet for each store showing all the users and groups and what permissions they have in that store.

Double-click a user (or group) to edit their details or delete them. Click the **New User** button to add a new user (or the **New group** button to add a new group). Doing either will open the user details window (described below - for a new user or group all the tabs are empty, for an existing user or group the tabs are filled with their current settings)

User details window

User Gryffindo	r			
eneral Permissions Perm	issions (2) Permissions (3) Login rights Details			
is a member of	None	User can:	-	
Password			Login as Desktop user Use the Dashboard	^
Confirm Password			Receive email notifications	
Active	_		Use web authorisation system	~
an be responsible officer User Initials		<		>
Language		Signature		
Language				
LDAP				
LDAP Login using LDAP				
	1			
Login using LDAP	1		Add Re	smove
Login using LDAP		Tags	Add Re	emove
Login using LDAP LDAP login string		Tags	Add Re	amove
Login using LDAP LDAP login string Windows Username	None V	Tags	Add Re	emove
Login using LDAP LDAP login string Windows Username License category User belongs to	None V	Tags	Add Re	emove

This window has several tabs, all described below.

General tab

Is a member of

Used to select the user group the user belongs to (see below). When the window loads, it displays the group the user currently belongs to. It will show "None" if they are not a member of any group.

Password

This text box will always appear empty when the window is loaded. It must be set for a new user. It can be used here to change the password of an existing user.

Confirm password

If something is entered in the *Password* textbox, then the same text must be entered in this textbox. This step makes sure you set the password to what you think you're setting it to!

Active

If this checkbox is checked, then that user has permission to use the system, and their name will appear in the login window. If this checkbox is unchecked the user will not be allowed to login to the system and their name will not appear in the login window.

Can be responsible officer

If this checkbox is checked, the name of that user will appear for selection in the Responsible Officer selector on the Transport Details tab of a Customer invoice.

User initials

User initials should be entered in this field.

Language

Allows you to select which language the user wants to use in mSupply. As of August 2020, supported languages are:

- English
- French
- Lao
- Spanish
- Khmer
- Portuguese (partially complete)

LDAP section

This section can be used to check a user's login credentials against an LDAP (Lightweight Directory Access Protocol) server. If you are going to use LDAP you must fill in the server details in the General Preferences, LDAP tab first.

- Login using LDAP: Check this if you want this user's login details to be checked against your LDAP server. Means that you can have some users logging in normally and some being checked against your LDAP server. Helpful if there's a delay in users being given LDAP credentials for any reason.
- **LDAP login string**: Enter any string which has to be used with the LDAP login. Will be provided by the LDAP administrator if required.

Windows username

The username the user logs into window systems with. Used to provide single-sign-on capability when the user is logging in remotely to an mSupply client running on a Windows server.

License category

Used to select which user license category the user belongs to. This will contain a list of all user categories currently set up in the datafile. See License management for details.

User belongs to State/Region

Used to select the name category 1 that the user belongs to. Only used in some customised versions of mSupply.

Signature

Use to add or remove an image of a user's scanned signature for displaying on invoices for example

Tags

Use to apply 'tags' to a user. These tags can then be used to control access to various features for users according to the tag.

User Can:

Used to give the following controls to users:

- Login as Desktop user
- Use the Dashboard this is necessary if you want the user to be able to see dashboards
- Receive email notifications this is necessary to enable reports to be emailed on a schedule to
 a user or group of users. Multiple reports for a User will appear on different tabs of an excel
 workbook. This needs to be configured by Sustainable Solutions, so get in touch if you're
 interested and we'll set this up for you.
- Use system if checked the user can login to the remote authorisation web app as an authoriser. See the 26.15. Remote authorisation page for details.



When a user is added to a group, the *User can* settings are set to those of the group i.e. they are inherited from the group. However, the *User can* section is still editable for an individual user - the settings are not controlled by the group after the user has been added to it.

Permissions tabs

These are where you can set access to the many features and functions on a store-by-store basis for each user or group. There are three Permissions tabs and each are shown in the screenshots below:



Council Developing Developing	()) Descriptions (2) HeatBeatless (1 and a	the Burth Burthard
	ons (2) Permissions (3) Notifications Login I	
Names Create customer, supplier & manufacturer names View customer, supplier & manufacturer names Edit customer, supplier & manufacturer names Edit customer, supplier & manufacturer names Edit name codes Edit name codes Edit name charge code Merge names Edit name categories Create & edit patient events Add patients Edit patient details Add and edit insurance policies Add / edit name groups Update master code Web interface Edit web passwords	Invoices Create customer invoices Greate customer invoices Greate supplier supplier supplier supplier supplier supplier s	Invoices
Edit and create web messages Reports Manage reports Revert reports to original View reports	 analysis columns by default Change invoice category on finalised invoice Return stock from customer invoices Return stock from supplier invoices Create supplier credits Overwrite total amount in prescriptions 	 Finalise stock transfers Printing Print duplicate packing slips Print duplicate customer invoices

User Sussol		Store : GHSC-PSM Haiti Warehouse 😑
General Permissions Permissio	ns (2) Permissions (3) Notifications Lo	gin rights Details Dashboard
Document management	Virtual Stores	Customer budgets
Tenders Upload tender document Download tender document	Create new stores Edit store details Edit visibility in stores Edit store credentials	 Add/import customer budgets Edit/delete customer budgets
Delete tender document	-	Registration
Quotes Vpload quote document Download quote document	Reminders Edit and delete reminders assigned to me	Add/edit registrations Change registration status
 Delete quote document Modify quotes entered by the supplier (via the website) Items Lines (Batches of Stock) Upload batch document Download batch document Delete batch document Delete batch document Stocktakes Create stocktake Delete stocktake Add stocktake lines View stocktake lines Edit stocktake lines Delete stocktake lines Delete stocktake lines Delete stocktake lines Delete stocktake lines 	Admin Send email Purge old records View log Set start of year stock View/edit preferences Export & import Backup data file Vaccines View temperature breach configuration View and edit vaccine vial monitor status View sensor details Edit sensor location	Requisitions View requisitions Create and edit requisitions Administer finalised report type requisitions Create customer invoices from requisitions Supplier Hub View and edit supplier hub details Assets View assets Add/edit assets Setup assets Change asset status
Edit stocktake dates	Replenishments Can be a worker Can authorise replenishments Can finalise replenishments	Change asset status

Buttons on the Permissions tabs

- The *Store* drop down list: Selects the store for which permissions are being displayed and set on the current tab. Select the store you want to see or set permissions for in this drop down list.
- The **All on** button: Checks all the permissions on the current tab i.e. turns them all on. There are exceptions to this for safety reasons; the *Update pack size, cost and sell price, Add/edit users* and *Access server administration* permissions on the **Permissions** tab are not turned on with the **All on** button.
- The **Copy** button: Copies the state of all the checkboxes on the tab for this store to an internal clipboard for that tab. From version 5.03 onwards, the button opens this window:

Permission tabs	
Permissions	
Permissions (2)	
Permissions (3)	
Permissions (3)	
Stores	Selected
Drug Registration	
General	Image: A start and a start
Gryffindor Dispensary	
Gryffindor District Store	
Hogwarts Dispensary	
Hufflepuff Health Centre	
Ravenclaw District Store	
Registration	
Slytherin Health Centre	
Supervisor- All stores	
Supervisor- All stores	
test	
Can	cel OK

- In the *Permission tabs* section, select which tabs you want to copy the permissions from by checking their checkboxes.
- In the table, select the stores you want to copy the permissions of the current store to by checking them in the *Selected* column.
- Click the **OK** button to copy the selected permissions tabs of the current store to the selected stores. Click the **Cancel** button to close the window without doing anything.
- The **Paste** button: Only exists for versions before 5.03. Pastes the checkbox settings saved to the clipboard for the current tab to the same tab for another store. In this way, the Copy and Paste buttons are a great way of copying permission settings for tabs between stores really handy when users have similar permissions in different stores.

Most of the permissions are self explanatory. Those that need more explanation are given below:

Permission	Details
Permissions Tab	
Update pack size, cost and sell price	If checked the user is able to edit the pack size, cost and sell price of supplier invoice lines that have already had stock issued from them, <i>provided that the SI has not been finalised</i> . See the 7.01. Supplier invoices page for details.
Add/edit users	To prevent you being locked out of your datafile permanently, mSupply will not allow you to turn off this preference for the first 2 users which already exist when you open mSupply for the first time. You should always treat these users as admin users.
Add/edit sync sites	If checked the user is able to edit site settings in a synchronisation system. This includes being able to use the sync site wizard (29.03. Sync Site Wizard (Superseded)).

Permission	Details
Permissions (2) Tab	1
Change transportation dates on finalised invoice	If checked, the user can edit the Order written date , Order received date , Expected arrival date , Actual arrival date and Ship date fields on the <i>Transport details</i> tab of finalised customer invoices
Edit user fields on finalised invoices	The user fields are the 4 custom transaction fields that can be enabled in the preferences - see Invoices Preferences for details. If this is enabled the user can edit the contents of these fields on transactions that have already been finalised
Change invoice category on finalised invoice	If checked the user can edit the transaction category of invoices (customer, supplier and inventory adjustments)
Transfer goods between stores	If checked the user can create a customer invoice with a store as the customer (i.e create a stock transfer)
Finalise stock transfers	If checked the user can finalise a customer invoice where the customer is another store (i.e. a stock transfer)
Return stock from supplier invoices	If checked a <i>Return selected lines</i> button will appear for the user on finalised supplier invoices, allowing them to return the goods on the invoice. See the 9.01. Returning goods section for details
Permissions (3) Tab	
Edit stocktake dates	If checked the user can edit the <i>Stock take date</i> field at the top of a stocktake and the confirmed date of inventory adjustments created from the stocktake (see Creating a new stocktake) for details
Edit store details	If checked the user can edit the store details and preferences, including using the bulk store preferences editor.
Edit visibility in stores	If checked the user can edit the visibility of names and items in different stores. If it is unchecked they can't - either in the <i>Store</i> tab of a name or item's details window or the <i>Visibility</i> tab of a store's details window (in fact, the Visibility tab won't even be visible for them)
Add/import customer budgets	If this is checked the user can import or add budgets for a customer, if unchecked they cannot
View temperature breach configurations	If checked, the user can view temperature breach configurations in the vaccine/cold chain module. See the 20.01. Vaccine Vial Monitoring (VVM) page for details. Temperature breach configurations can only be edited in the Cold chain app or in mSupply mobile.
View and edit vaccine vial monitor status	If checked, the user can view and edit the statuses that vaccine vial monitors have. See the 20.01. Vaccine Vial Monitoring (VVM) page for details.
View sensor details	If checked the user can view temperature sensor details. See the 20.03. Cold Chain App Notifications page for details.
Edit sensor location	If checked the user can edit the warehouse location attached to a sensor. See the 20.03. Cold Chain App Notifications page for details.
Edit/delete customer budgets	If this is checked the user can edit or delete budgets for a customer, if unchecked they cannot
Create customer invoices from requisitions	If this is checked the user can create customer invoice from the <i>Create customer invoice</i> button on requisitions. You can use this in conjunction with the <i>Create customer invoices</i> permission on the Permissions (2) tab to force all distribution to be carried out from requisitions.
View assets	If this is checked, the user is allowed to search the assets in the system and see their details
Add/edit assets	If this is checked, the user can also change the details of assets

Permission	Details
Setup assets	If this is checked a user can manage the setup of assets e.g. add or edit asset statuses, conditions, properties etc. (see the assets setup page for details of the various setup options)
Change asset status	If checked, the user can make an asset's proposed status its current status.

Notifications tab

On this tab, you determine what notifications (alerts) a user will see, and when they will see them:

General	Permissions	Permissions (2)	Permissions (3)	Notifications	Login rights	Details
		Alert typ	e		ls enat	oled
Expiring iter	ms				Solution	
Overstocked	d items					
Understocke	ed items				Solution	
Pending sup	oplier invoices - sta	tus "nw"			Image:	
	tomer requisitions				Z	
-	tomer invoices - st	-				
Pending cus	tomer credits - sta	tus "nw" or "sg"			Sec. 1	
Overdue put	rchase orders				2	
Show no	tification window o	n login				

To enable a partuclar alert type for a user simply check the checkbox in the *Is enabled* column. Any alert type that has its *Is enabled* checkbox unchecked will not be displayed for a user.

Show notifications window on login: If this is checked, as soon as a user logs in, the notifications window (displaying all the notifications they have selected in the table above), will be displayed for them. If this is unchecked, the notifications window will only be shown when the user click on the notifications icon on the Navigator:



Login rights tab

On this tab you set which stores the user can login to:

User mSupply Support			
General Permis	sions Permissions (2)	Permissions (3) Notifications Logi	n rights Details Dashboard
search stores	Complex search	1	Toggle all in selection
Name	Is disabled	Default store	Can login
Hospital Info System			
Main warehouse			✓
Other warehouse 1			
Other warehouse 2			 ✓
Registration			0
Supervisor- All stores			
			Delete Cancel OK

If there are too many stores in the list, you can restrict the display by typing in the *Search stores* text box: only stores with names starting with what you type will be displayed.

The *Is disabled* column indicates whether a store is disabled or not and can't be edited.

You can check one box in the *Default store* column - this will be the store the user is offered by default every time they login or switch stores.

In the Can login column you can check the box for each store the user is allowed to login to. All the

stores in your mSupply datafile are displayed here in alphabetical order. Please note:

- The "Drug Registration" store is a special store used for the mSupply medicine registration functionality. See Registration for more details. Checking this box will allow the user to login to the Registration module.
- The "Hospital Info System" is another special store used for mSupply's built-in Hospital Information system. See here for more details. Checking this box will allow the user to login to the HIS module.
- "Supervisor All stores" stores is a special mode to allow users to view information in and run reports over multiple stores. See here for more information.

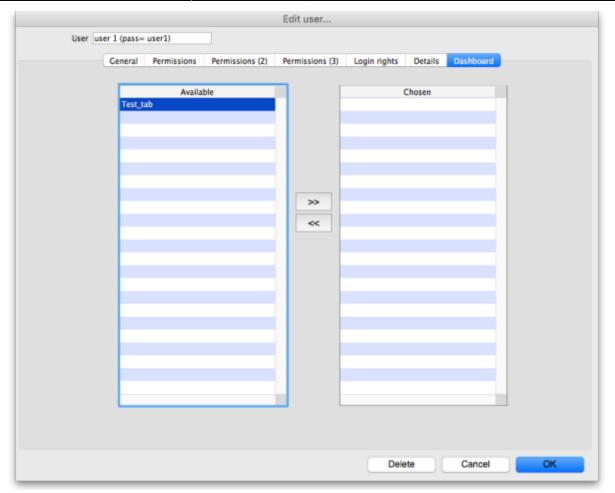
Details tab

🛃 Edit user			x
User Kekela]		
General Permissions Permissions (2) Permissi	ons (3) Log-on modes Details		
Full name			
First name	Last name	Date of birth 00/00/00	
Dates			
Date created 10/11/2008	Date left 00/00/00		
Contact details			
Address 1	Phone 1	E-mail	
Address 2	Phone 2	Job title	
Supplier invoices with issued stock			
Can update pack size, cost and sell price			
		Delete Cancel OK	
		MUMP DEDUDING OF MIDDINT	

Here some personal details including job title, address and email address of the user can be recorded. The job title will appear in the *Job title* column in the list of users and the email address is used when using email functionality or other special functions in mSupply.

Other than that, these fields are for reference only, providing a handy place to record information about your system users.

Dashboard tab



On this tab you set which dashboard tabs will appear on the dashboard when the user logs into it. Of course, you have to set up the dashboard tabs before you can assign them to a user's dashboard. See Dashboard for instructions on doing that.

Once the dashboard tabs have been setup, they will appear in the *Available* column of this tab. You can see the "Test_tab" in the screenshot above. Anything in the *Chosen* column will be displayed on the user's dashboard. So, to make a dashboard tab appear on the user's dashboard, select it in the *Available* column and click on the >> icon to move the tab into the *Chosen* column. And to remove a dashboard tab from the user's dashboard, simply select it in the *Chosen* column and click on the << icon to move it back into the *Available* column.

Create a new user

To create a new user do this:

- 1. Go to File > Edit users... and click on the **New user** button
- 2. Enter the user name
- 3. Assign a password
- 4. Enter the password again in the Confirm password text box
- 5. Go to the permissions tabs and set up permissions (3 tabs) OR select which group the user is to belong to using the *Is a member of* drop down list on the General tab (you must do one of these because you'll have noticed that when you create a new user they have absolutely no permissions at all!)
- 6. Go to the Login rights tab and set the stores the user can login to.
- 7. Click **OK** when you're done.

- 8. The user should now be able to log in.
- 9. After the user logs in, they may want to change their password.

Delete a user or group

To delete a user do this:

- 1. Go to File > Edit users...
- 2. Double-click the name of the user or group you want to delete in the list
- 3. Click on the *Delete* button on the bottom of the edit user window that opens

Note that you won't be able to delete a group that has users belonging to it. If you really want to delete the group, remove all users from the group first by editing their *Is a member of* fields.

Managing and using groups

Adding a group

Show the list of groups by opening the "Edit user" window and then choosing "Groups" from the "Show" Drop-down menu

00		Group list			
New group	Permission report	Show Groups \$			
	Group	Active			
Managers					
Double-click a user to edit details					
Double-click a u	ser to eait details				
		ОК			
		1			

To add a group, click the **Add Group** button. You will be shown a window where you add the group name. You then set permissions for the group in the same way as you set permissions for a user (above):

is a member of Password Confirm Password		Permissions	Permissions (2)	Permis	usions (3)			
Password	None	\$			10110 (07)	Log-on mo	des	
Confirm Decement								
Connirm Password					Signature			
Active					Signature			
an be responsible officer								
User Initials								
Language	English	\$						
LDAP								
Login using LDAP								
LDAP login string							Add	Remove
							Auu	Kentove

Note that you will only be able to set checkboxes which can have different settings in different stores. Anything that is not a checkbox and or any checkbox that applies across all stores cannot be set in a group's permissions (another way of saying this is that they cannot be controlled by a group). These items will all be disabled when creating or editing a group and are editable in the individual users' permissions only.

Editing a group

First, show the list of groups by opening the "Edit user" window and then choosing "Groups" from the "Show" Drop-down menu

00		Group list			
New group	Permission report	Show Groups	ŧ		
	Group		Active		
Managers					
Double-click a user to edit details					
			ОК		

Then double click on a group in the list. The same window as for adding a group opens but it is populated with the group's current settings. Change these settings as described for a new group above and click on the **OK** button to save them.

Using groups

Groups are a quick way of setting and managing permissions for many people at a time. Users belonging to a group take the permissions of that group: when a user is a member of a group you cannot edit their permissions directly, you must edit the group's permissions. And if you edit the group's permissions, you edit the permissions for every user in the group. To assign a user to a group, do the following:

- 1. Go to File > Edit users
- 2. Double click on the user you want to edit
- 3. On the general tab of the window which opens, use the *Is a member of* drop down list to select the group the user is to belong to:

Edit user	
User User1	
General Permissions Permissions (2) Permissions (3) Log-on modes Details	
Is a member of None +	
Password	
Confirm Password	
Active 🗹	
Can be responsible officer	
User Initials	
Language English +	
LDAP	
Login using LDAP	
LDAP login string	
Add	Remove
Delete Can	cel OK

4. Click on the OK button to save you changes.

User license categories

A menu item on the Special menu of the navigator gives access to a form to view and edit user license categories, including the number of users belonging to them that can be logged in at any one time. A DDL on the user input form allows a user to be assigned to a category and a new permission covers the ability to edit these license categories and membership of them. Finally, a check on the OK button of the login form will check that there are less than the maximum users belonging to the license category the user belongs to already logged in.

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