Updated: Version 4.02

NeedsUpdate

6.04. Ordering from one store to another

If you run mSupply using virtual stores then you can place an order for goods with another store within mSupply.

There are two ways you can do this:

- Create Purchase Orders.
- In versions of mSupply newer than v4.01, Internal Orders are the desktop equivalent of supplier requisitions in mSupply mobile. If you're already using purchase orders and goods received records in your workflow, this is a simpler and easier way to place orders in another store:
 - 1. In the requesting store:
 - 1. Create an Internal Order to the supplying store.
 - 2. When the internal order is finalised, a response requisition is automatically created in the supplying store
 - 2. In the supplying store:
 - 1. One or more customer invoices can be created from a single response requisition
 - 2. When each customer invoice is finalised, a supplier invoice is automatically created in the requesting store

Internal Orders

Internal Orders are also known as supplier requisitions or request requisitions.

Entering an internal order

To begin the process, choose *Supplier* > *Show internal orders* or click on the *Internal orders* icon on the *Suppliers* tab of the Navigator:



The following window will open, showing you a list of all historic internal orders. Click on the *Show* drop down list to filter the list by the status of the internal orders.

New internal order Delete				Show: All
ID Name	Date entered	Order date	Status	Comment
3609 Central Medical Stores	03/02/2022	03/02/2022	sg	
			_	

Either double-click on an existing order to edit it, or click the **New internal order** button to create a new one.

If you have activated programs in mSupply see the *Programs* heading below

The example below has a few lines already entered:

Order date	Central Medical Stores	CMS		Referen Comme Max M	nt regula	r order		Black	Status : Type :	request
New line Ad	dd from master list Delete line(s)	Filter iten	112	hreshold M	10	Hide sto	ack over three		Entry date : Entered by : Print Store:	
ata entry Log	1						100000			
Li Item code	ltem name	Unit	Our stock on hand	Average monthly consump	Months of stock	Calculated quantity	User requested quantity	Comme	nt	
1 NC0071	Amonycillin 250mg tabs	ea	43,962	17,651	2	8,993	9,000			
2 NC0082	Paracetamol 500mg tabs	40	27,328	9,389	2	841	1,000			
3 NF0060	Donycycline 100mg tab	10	1,200	309	3	0				
4 NF0100	Bandage 15cm x 5m	ea	375	117		0	50			
5 ND0080	Rabies vaccine	ea	32	8	3					
6 NF0050	Vitamin A 100,000 LU. caps	ea	14	0	28					
7 NC0010	ORS sachet (3 litre)	ea	5,740	1,124	5	0	500			
-										
-										

- The *Name* will default to the supplying store for the current store, but any other store in the data file can be selected in the usual way (i.e. enter the first few characters and hit the *Tab* key to find matches).
- The Order date defaults to the current date. You can change it.
- Use either the **New line** button to manually add a single item, or **Add from master list** to add any items in the current store's master list which are not there already.
 - If adding from a master list, the cursor will go into the first new item's *User requested quantity* cell.
 - If adding a single item, the cursor will go into the *User requested quantity* cell for that item.

Item Sea	
User requested	0
Comment	
	Cancel OK & Next OK

- mSupply calculates the Average monthly consumption based on what the store has issued over the last 12 months (or less if the store hasn't been operating that long). mSupply calculates the Months of stock from Our current stock on hand and the Average monthly consumption, assuming that continues. • The Calculated quantity is then worked out by multiplying the Average monthly consumption by the Max MOS (maximum months of stock), and then subtracting *Our stock on hand*. If the resulting value is negative, a value of will be displayed. If the Use consumption and stock from customers for internal orders store preference is turned on (see 25.08. Virtual stores, preferences for details) then the Our current stock on hand figure comes from the sum of all stock currently held by all the customers of this store and the stock consumed is taken as the stock issued to all customers. Note that customer stores are those that have this store set as their supplying store. • The Max MOS is critical to this calculation, and you can change it. • There is an industry rule of thumb that the Max MOS should be set to 3 times the ordering cycle. • The default *Max MOS* is 3.0, which is based on an a monthly ordering cycle. If, for example the ordering cycle was every two months, then Max MOS should be set to $3 \times 2 = 6.0$.
 - Hitting the *Tab* key will move the cursor into the *Comment* cell and, if there's another line below, hitting *Tab* again will move the cursor into the next *User requested quantity* cell.
 - If necessary, use the **Delete line(s)** button to remove selected item lines.

Name Order date	Central Medical Stores	CMS		Referen	ce ref nt regular	-			Mark Black	ID: 13852 Status: sg
•	id from master list Delete line(s)	Filter iten		Max MC	05 4 05 4		ock over thre	shold 🗹	Front .	Type : request Entry date : 18/10/18 Entered by : Admin Store: OD Test Store
U Rem code	Item name	Unit	Our stock on hand	Average monthly consump	Months of stock	Calculated quantity	User requested quantity		Comment	
1 NCD071	Amoxycillin 250mg tabs	ea	43,962	17,651	2	26,645	26,645			
2 NC0082	Paracetamol 500mg tabs	40	27,328	9,389	2	10,230	10,230			
3 NF0060	Doxycycline 100mg tab		1,200	309	3	37	37			
4 NF0100	Bandage 15cm x 5m	68	375	117	3		96			
5 ND0080	Rables vaccine		32		3	. 0	0			
e Sort order								Finalise	Cancel	K & Next OK

If the order has a lot of item lines, you can filter them by typing into the *Filter items* field, which will change to display the number of visible items out of the total number in the order:

Name Order date	Central Medical Stores	CMS			nt Fregular	order			North Black	ID: 13852 Status: sg Type: request
•	•		20.MI	Max Mi hreshold Mi		Hide sto	ck over thre	shold 🗌	6	Entry date : 18/10/18 Entered by : Admin
New line A	dd from master list - Delete line(s)	Filter iten	s (nd						Print	Store: CD Test Store
Li Item code	item name	Unit	Our stock on hand	Average monthly consump	Months of stock	Calculated quantity	User requested quantify		Comment	
1 NC0071	Amorycillin 250mg tabs	ea	43,962		2		9,000			
2 NC0082 7 NC0010	Paracetamol 500mg tabs ORS sachet (1 litre)	63 64	27,328 5,740		2		1,000			
് 	<u>.</u>									5
e Sort order									Cancel D	K & Next OK

Note that, while a filter is active, some of the other buttons are disabled e.g. you can't save the sort order unless all lines are visible.

You can also filter item lines which have a lot of stock (and therefore don't need to be ordered) by entering a value in the *Threshold MOS* field. This will automatically tick the *Hide stock over threshold* checkbox, and hide any lines which have their *Months of stock* greater than or equal to *Threshold MOS*.

Order date	Central Medical Stores 18/10/18 dd from master list Delete line(s)	CMS Filter Iten		Referen Comme Max MC Threshold MC	et regular 25 B 25 4		ck over thre	shold 🗹	Black	ID: 13852 Status : sg Type : request Entry date : 18/10/18 Entered by : Admin Store: OD Test Store
ata entry Log Li Item code	Rem name	Unit	Our stock on hand	Average monthly consump	Months of stock	Calculated quantity	User requested quantity		Comment	
1 NC0071	Amorycillin 250mg tabs		43,962	17,651	2	8,993	8,993			
2 NC0082	Paracetamol 500mg tabs	ea	27,328	9,309	2	841	841			
3 NF0060	Davycycline 100mg tab	ea	1,200		3	0	0			
4 NF0100	Bandage 15cm x 5m	ea	375	117	3	0	0			
5 ND0080	Rabies vaccine	eà	32	В	3	0	0			
E Soit order								□ Finalise	Cancel O	K & Next OK

Once you are satisfied, tick the *Finalise* checkbox. This will prevent further editing, and automatically delete any lines which have a requested quantity of zero.

Name Order date	Central Medical Stores p8/10/18	CMS		Referen	nce ref	order]		Bonn Black	ID : 13852 Status : fn
New line Ar	dd from master list Delete line(s)	Filter ites		Max Mi hreshold Mi	os [4	Hide sto	ock over thre	shold 🖂	Print	Type : request Entry date : 18/10/18 Entered by : Admin Store: OD Test Stor
Li Item code	Bem name	Unit	Our stock on hand	Average monthly consump	Months of stock	Calculated quantity	User requested quantity		Comment	
1 NC0071	Amonycillin 290mg tabs	ea	43,962	17,651	2	26,645	26,645			
2 NC0082	Paracetamol 500mg tabs	ea	27,328	9,389	2		10,230			
3 NF0060 4 NF0100	Doxycycline 100mg tab Bandage 15cm x 5m	ea ea	1,200 375	309 117	3		37 96			
e Sort order								- finalise	Cancel O	E & Next OE

When the order is then saved, it will automatically generate a corresponding response requisition in the supplying store. From there, one or more customer invoices can be raised in the supplying store which, when finalised, appear as supplier invoices back in the requesting store in the same way as regular stock transfers.

Programs

See the 4.05. Programs page for information on setting up programs.

Using programs activates a comprehensive system for managing orders and supplies by program. When you click on the **New internal order button**, before the order window opens, another window appears to allow you to select the program and period etc. that the order belongs to:

	New internal order
Order type	
	Program 🧿 General 🔿
Order details	
Program	CONSOMMABLES DE SERVI
Requisition type	Commande Urgente ou Exc
Supplier	And when the second
Period	17 SEPT /23 OCT. 2019
	Start date 17/9/19
	End date 23/10/19
	Cancel OK

- Order type: Selecting *General* will create a standard, non-program based requisition and none of the Order details section fields will apply. Selecting *Program* will create a program based requisition and you must fill in the details in the **Order details** section.
- Order details section
 - **Program:** The program this requisition belongs to. Select one of the programs you have defined and assigned to this store.
 - Requisition type: Select one of the types of order you have defined for this program. Normal orders will follow the quantification rules and be limited in the number of orders per period. Emergency orders will not follow quantification rules and will not be limited in the numbers of orders per period but will typically be limited in the numbers of lines that can be entered on them.
 - **Supplier:** The supplying store for this store will be selected by default. Other stores can be seleted if required.
 - Period: The period this requisition is for. Will contain a list of all the periods which are still available for you to enter a requisition for i.e. those for which you have not already entered the maximum number of requisitions. The *Start date* and *End date* fields show the dates of the start and end of the selected period.

When you click on the **OK** button on this window, the requisition is created for you. The items defined for the program are automatically added to it and the suggested order quantity is calculated for you following the quantification rules.

Note that items belonging to the program will only be added to the order if they are also visible in the supplying store. This is to avoid the situation where you request an item that they don't have visible to them and therefore can never have any stock to supply!

Purchase orders

• This method of ordering stock from another mSupply store is deprecated: Internal Orders

(above) is the way to do it.

• Purchase orders are used for Ordering stock from suppliers outside of mSupply

Using a purchase order to order from another store

For the most part, the process is the same as for creating a normal purchase order. There are, however, a few significant differences:

• In the *Name* field of the purchase order, enter the name of the store which will supply your goods.

The names of suppliers which are stores will appear in *RED* in the choice list of suppliers. If the name of the store you select as a supplier is *BLACK*, then you have not chosen another store as a supplier (you will be creating a standard purchase order not an internal requisition), and the instructions in the remainder of this section do not apply.

• The *Internal requisition* label will appear after the name to indicate that this is going to be an internal requisition.

🖢 New	Purchase o	rder									
Order	num: 424	Name Virtual	store 2			VIR2	2 In	ternal requ	isition	Blac	k
Confirm	date 00/00/	00 Request	ed delivery 18/04/1	1						itatus sg	
Genera	al Details Ad I	foc items Goods Rec	eived Supplier Invoid	es Log	Location					Store Genera	5l
		**		-	1						
New	ine Delete line	s Update EDD		🚬 rchase Or	rder Co	anfirm .		Catego	ry none		~
	al lines	~					C 100	ency AUD	Y F	orex rate	
			0	Beak	44.05	Tabaaai				,	_
Lne	Item code	ltem	Ung.Qt	Pack	Adi Uly	T OT. TECEL	Stock on	Un Urder	Cust.b/odr	s Price Ext	<u>R</u> (≙
											~
<		ount		u .	_			Ectimal	ted subtotal		0.000
62	Percentage		ount amount	0.0	00		Estim	ated cost af			0.000
	Locked	🔲 Auto calc u	usage 🔄 Fin	alize orde	r 🗆	Print long de	scription	Print m	y signature		
						ſ	OK & Next		Delete		ж

Enter the purchase order lines as normal and when you're finished, confirm the purchase order (at this point you may be prompted to enter budget and/or category information, depending on your preferences):

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	date 18/1	04/2011 Requested delivery Id Hoc Rems Goods Received Su			Location			Catego		itus on	St	ore Genera	1
how	al lines	Update EDD Info	Print Purc	thase O	rder		Curr		Y Fore	sx rate	1		
ne	Item code	ltem	Orig.Qty	Pack	Adj. Qty	Tot. recei	Stock on	On Order	Cust.b/odrs	Price Ext	Requeste	Store:	12
1	EFV600	Efavirenz tablet 600mg	20		20	0		60			18/04/2011		
2	Forman	Formaldehyde solution 20% 5L	150	5	150	0	1799	0	0		18/04/2011		
	Supplier of Percenta		unt	0.0	100		scription		Estim	Estimate ated cost afte	ed subtotal er discount		0.000

Once confirmed, it will no longer be possible to:

- modify the purchase order lines, except for updating the expected data of delivery (EDD).
- delete the purchase order or any of its lines (mSupply will give you a warning if you try).

Processing the order (supplying store)

For versions of mSupply newer than v4.01, confirming the purchase order will create a response requisition in the supplying store (with your store's name in the *Name* field). This allows the supplying store to create multiple customer invoices to supply the order (and hence to better handle partially fulfilled orders). Once each customer invoice has been **finalised**, a goods received note for the purchase order will be created back in the store where you created the purchase order which started this whole process off (called the customer or receiving store).

Handling partially fulfilled orders

If you have unfilled lines on the customer invoice (i.e. red placeholder lines), when you finalise the customer invoice you will be asked if you want to create a new invoice with the unfilled lines. This new invoice retains the link to the purchase order that created the original customer invoice, and can be used to issue further goods to the customer.

Note that you can also create another invoice that is linked to the original purchase order at any time by using the "Duplicate" button on the toolbar of the customer invoice list.

Receiving the goods (requesting store)

Now, back in your store, where you created the purchase order which started this whole process off, you can view the goods received record via the **Suppliers** tab on the Navigator or via the **File > Supplier > Show goods received** menu item (or via the **File > Supplier > Show purchase** orders > Goods received tab)

🏖 Edit Purchase	order.							- [
Order num : 424 Confirm date 18/0		Name Virtu	ual store 2 ested delivery 18/04/2011	VIR2	Internal	requisition	Status	Black	-
			eceived Supplier Invoices Log Loca	tion			Store	General	
Goods recei	ived ID	Statu	s Supplier reference	Entry date		Receive da	ite		
		865 sg	PO number: 424	18/04/	2011			18/04/2011	
	約 Ed	it goods re	ceive						
1.0		Supplier	Virtual store 2			Store: Gene	eral		1
	Re	ceived date	18/04/11	Purchase order :	424	Goods receiv	ed ID :	865	
	Supplie	er reference	PO number:	Created by :	Sussol	Entry	date :	18/04/11	
				Modified by :		S	tatus :	sg	
		•	•	*	-			4	
	Add fr	rom purchase	order Add an un-ordered item	Delete line	Check sp	ace	Print g	oods receipt	
	Line	Location	Item name	Batch	Exp date	Pack Size		Quan	<u>^</u>
	1		Formaldehyde solution 20% 5L	SV380			1	150	
	2		Efavirenz tablet 600mg	ABC1234	01/01/2012		1	20	
<									
×									
_									
							_		
	E Fi	nalize		(OK & Next	Delete		OK	

Notice that on the goods received note the lines from the customer invoice will have been filled in automatically. Process the goods received note in the normal way and note that, as with all other goods received, the goods are not added to your store's stock and available for issue until the goods received note has been finalised and the resulting supplier invoice confirmed. Note that, from mSupply v3.85, the original purchase order lines will only be updated with the stock received when the goods received note has been finalised.

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