

17.01. Importing items

You can import a tab-delimited text file of items by choosing **File > Import > Import items....**

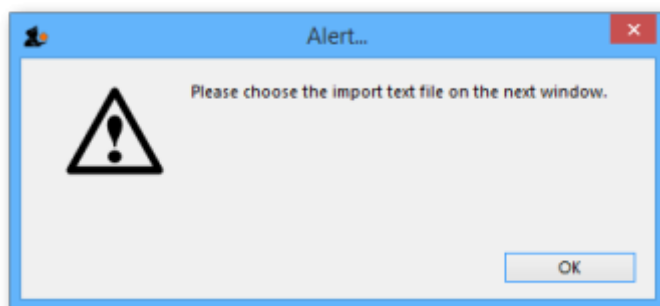


- This command only imports (creates) items. You will need to do this when you are configuring mSupply for the first time, or when you are wanting to create a number of new items to your system.
- **This process does not introduce stock.**
- If you would like to import stock, see the [17.02. Importing stock](#) page.

During import you can specify a number of things including:


- What happens with duplicates
- Which [master lists](#) the new items will be added to.
- Which stores the new items will be visible in (if [master lists](#) aren't controlling visibility)

After selecting the menu item you are shown a message asking you to select the file to be imported on the next window:



After clicking OK, a window opens allowing you to select the file to import. After selecting it (by double clicking on the file in the window or clicking on it and clicking on the *Open* button) this window is displayed:

First line contains column headers: If you have used the first line of your import file for column headers, check this box. Then mSupply will ignore the first row in the file, and start importing items from the second row.

 If you have used double quote characters in item names (e.g. as a symbol for inches) then they will also be removed if this option is checked.

- **Create new duplicate items and continue** and **Ask each time** options are disabled for Item Import.

<https://docs.msupply.org.nz/>

- **Skip the duplicate without asking:** the duplicate is ignored and not imported.
- **Stop the import:** if a duplicate is detected mSupply will stop and cancel the whole import i.e. the database will be exactly that same as it was before you started the import.
- **Update the existing item:** the item with the same code already in mSupply will be updated with all the details of the item in the import file.

Preview tab

Import preview

☐ First line contains column headers

☐ Remove quote characters on import

If duplicate codes are detected

☐ Create new duplicate items and continue

☐ Ask each time

☒ Skip the duplicate without asking

☐ Stop the import

☐ Update the existing item

We recommend you have an up-to-date backup of your data file before attempting import. Click the cancel button below if you are not sure.

Preview Stores Master lists

Previous Next Record number 1

Field	Value
Code	Item Code
Item Name	Item Name
Units	Units
Reference pack	Reference Pack Size
Shelf loc	Shelf Location key
user_field_1	User field 1
user_field_2	User field 2
user_field_3	User field 3
user_field_4	User field 4
EDL	Essential Drug List
ATC category	ATC Category
DDD value	DDD Value
DDD factor	DDD Factor
Description	Item Description
Department	Department
Stock account	Stock Account Code
COGS account	Purchases Account Code
Terms account	Terms Account Code

Cancel Import now

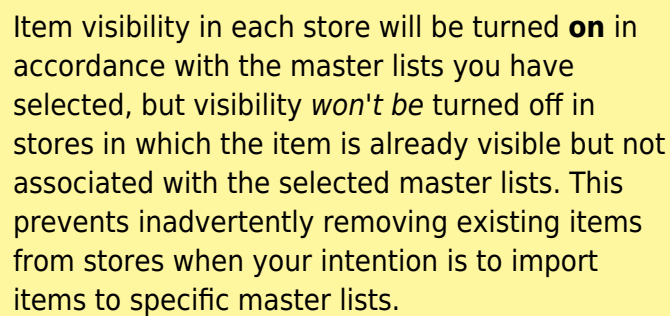
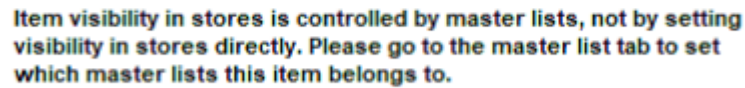
This tab enables you to see a preview of what will be imported into mSupply and helps you check that mSupply is reading what you expect from the import file.

The left hand column of the table ("Field") shows you all the fields mSupply is expecting to see (in that order, first at the top, last at the bottom of the table). The right hand column ("Value") shows you the value that mSupply has read from the file for that field. Use the *Next* and *Previous* buttons to move between the records in the import file.

Stores tab



If the preference *Automatically update item visibility in all stores to match master lists used by that store* (see [Preferences > Item](#)) is checked, then item visibility is controlled by [master lists](#) and you do not have the option of selecting stores in which the item is visible. The table on this tab will be replaced with this message telling you to use the Master lists tab instead:

[Import now](#)

- This is the tab you use to specify which stores the items you import will be visible in.
- The store you are logged into is ticked by default. Simply check the “Visibility” column checkbox for the stores you wish all imported items to be visible in.

Only imported item visibility is affected during the import. If a duplicate item is found in the import file then:



- If you choose to ignore duplicates, then the visibility of the item already in mSupply is not affected by the import process.
- If you chose to update duplicates, then the visibility of the item already in mSupply will be updated to match what you have set on this tab.

Master lists tab

Import preview

☐ First line contains column headers

☐ Remove quote characters on import

If duplicate codes are detected

☐ Create new duplicate items and continue

☐ Ask each time

☒ Skip the duplicate without asking

☐ Stop the import

☐ Update the existing item

We recommend you have an up-to-date backup of your data file before attempting import. Click the cancel button below if you are not sure.

Preview Stores Master lists

Select the master lists to add the item to AllNone ☐

Master list	Add to list
Training: English Speaking	<input type="checkbox"/>
Training: New Product	<input type="checkbox"/>
Training: Sales Training	<input type="checkbox"/>
Training: Team 1 Training	<input type="checkbox"/>
Training: Team 2 Training	<input type="checkbox"/>
Training: Team 3 Training	<input type="checkbox"/>
Training: Team 4 Training	<input type="checkbox"/>
Training: Team 5 Training	<input type="checkbox"/>
Training: Team 6 Training	<input type="checkbox"/>
Training: Team 7 Training	<input type="checkbox"/>
Training: Team 8 Training	<input type="checkbox"/>
Training: Team 9 Training	<input type="checkbox"/>
Training: Team 10 Training	<input type="checkbox"/>
Training: Team 11 Training	<input type="checkbox"/>
Training: Team 12 Training	<input type="checkbox"/>
Training: Team 13 Training	<input type="checkbox"/>
Training: Team 14 Training	<input type="checkbox"/>
Training: Team 15 Training	<input type="checkbox"/>
Training: Team 16 Training	<input type="checkbox"/>
Training: Team 17 Training	<input type="checkbox"/>
Training: Team 18 Training	<input type="checkbox"/>
Training: Team 19 Training	<input type="checkbox"/>
Training: Team 20 Training	<input type="checkbox"/>
Training: Team 21 Training	<input type="checkbox"/>
Training: Team 22 Training	<input type="checkbox"/>
Training: Team 23 Training	<input type="checkbox"/>
Training: Team 24 Training	<input type="checkbox"/>
Training: Team 25 Training	<input type="checkbox"/>
Training: Team 26 Training	<input type="checkbox"/>
Training: Team 27 Training	<input type="checkbox"/>
Training: Team 28 Training	<input type="checkbox"/>
Training: Team 29 Training	<input type="checkbox"/>
Training: Team 30 Training	<input type="checkbox"/>
Training: Team 31 Training	<input type="checkbox"/>
Training: Team 32 Training	<input type="checkbox"/>
Training: Team 33 Training	<input type="checkbox"/>
Training: Team 34 Training	<input type="checkbox"/>
Training: Team 35 Training	<input type="checkbox"/>
Training: Team 36 Training	<input type="checkbox"/>
Training: Team 37 Training	<input type="checkbox"/>
Training: Team 38 Training	<input type="checkbox"/>
Training: Team 39 Training	<input type="checkbox"/>
Training: Team 40 Training	<input type="checkbox"/>
Training: Team 41 Training	<input type="checkbox"/>
Training: Team 42 Training	<input type="checkbox"/>
Training: Team 43 Training	<input type="checkbox"/>
Training: Team 44 Training	<input type="checkbox"/>
Training: Team 45 Training	<input type="checkbox"/>
Training: Team 46 Training	<input type="checkbox"/>
Training: Team 47 Training	<input type="checkbox"/>
Training: Team 48 Training	<input type="checkbox"/>
Training: Team 49 Training	<input type="checkbox"/>
Training: Team 50 Training	<input type="checkbox"/>
Training: Team 51 Training	<input type="checkbox"/>
Training: Team 52 Training	<input type="checkbox"/>
Training: Team 53 Training	<input type="checkbox"/>
Training: Team 54 Training	<input type="checkbox"/>
Training: Team 55 Training	<input type="checkbox"/>
Training: Team 56 Training	<input type="checkbox"/>
Training: Team 57 Training	<input type="checkbox"/>
Training: Team 58 Training	<input type="checkbox"/>
Training: Team 59 Training	<input type="checkbox"/>
Training: Team 60 Training	<input type="checkbox"/>
Training: Team 61 Training	<input type="checkbox"/>
Training: Team 62 Training	<input type="checkbox"/>
Training: Team 63 Training	<input type="checkbox"/>
Training: Team 64 Training	<input type="checkbox"/>
Training: Team 65 Training	<input type="checkbox"/>
Training: Team 66 Training	<input type="checkbox"/>
Training: Team 67 Training	<input type="checkbox"/>
Training: Team 68 Training	<input type="checkbox"/>
Training: Team 69 Training	<input type="checkbox"/>
Training: Team 70 Training	<input type="checkbox"/>
Training: Team 71 Training	<input type="checkbox"/>
Training: Team 72 Training	<input type="checkbox"/>
Training: Team 73 Training	<input type="checkbox"/>
Training: Team 74 Training	<input type="checkbox"/>
Training: Team 75 Training	<input type="checkbox"/>
Training: Team 76 Training	<input type="checkbox"/>
Training: Team 77 Training	<input type="checkbox"/>
Training: Team 78 Training	<input type="checkbox"/>
Training: Team 79 Training	<input type="checkbox"/>
Training: Team 80 Training	<input type="checkbox"/>
Training: Team 81 Training	<input type="checkbox"/>
Training: Team 82 Training	<input type="checkbox"/>
Training: Team 83 Training	<input type="checkbox"/>
Training: Team 84 Training	<input type="checkbox"/>
Training: Team 85 Training	<input type="checkbox"/>
Training: Team 86 Training	<input type="checkbox"/>
Training: Team 87 Training	<input type="checkbox"/>
Training: Team 88 Training	<input type="checkbox"/>
Training: Team 89 Training	<input type="checkbox"/>
Training: Team 90 Training	<input type="checkbox"/>
Training: Team 91 Training	<input type="checkbox"/>
Training: Team 92 Training	<input type="checkbox"/>
Training: Team 93 Training	<input type="checkbox"/>
Training: Team 94 Training	<input type="checkbox"/>
Training: Team 95 Training	<input type="checkbox"/>
Training: Team 96 Training	<input type="checkbox"/>
Training: Team 97 Training	<input type="checkbox"/>
Training: Team 98 Training	<input type="checkbox"/>
Training: Team 99 Training	<input type="checkbox"/>
Training: Team 100 Training	<input type="checkbox"/>

Cancel **Import now**

This is the tab you use to determine which master lists the items in the import file will be added to as they are imported. Simply check the “Add to list” column checkbox for the master lists you wish all the items in the import file to be added to.

Any master lists that have the “Automatically add new items to this master list” option checked will have their “Add to list” checkbox checked by default on this tab and you will not be able to uncheck them.

Note that only imported items will be added to the master lists selected. This means that items already in mSupply which match duplicates in the import file that you choose to ignore will not be

added to the selected master lists. Similarly, items already in mSupply which are updated because they match duplicates in the import file and the "Update the existing item" option was chosen are added to the selected master lists. And don't worry, if an item is already on a msster list it won't be added again.

Import file format

Field order for the text file:

Column number	Column letter	Field	Description
1	A	item code	18 alphanumeric characters (must be a unique value)
2	B	item name	80 alphanumeric characters
3	C	units	3 alphanumeric characters recommended (ea, ml or mg). Entries in the units list will be created if you import a unit that does not already exist in the data file. 60 characters supported
4	D	reference pack size	integer
The above fields are mandatory, while the following fields are optional and may or may not be included as per your requirements			
5	E	shelf location	60 alphanumeric characters
6	F	user field 1	30 alphanumeric characters
7	G	user field 2	30 alphanumeric characters
8	H	user field 3	30 alphanumeric characters
9	I	user field 4	"true" or "false"
10	J	edl	"true" or "false"
11	K	ATC category	30 alphanumeric characters
12	L	ddd value	8 alphanumeric characters- the ddd and its units
13	M	ddd factor	number greater than zero (default=1)
14	N	item description	The long description for the item. Do not include carriage returns (new lines made with the return or enter key) in your text file.
15	O	item department	The name of the department that the item belongs to. If the department does not exist, mSupply will create it.
16	P	account code for stock	The account code used for stock purchases . Note that these accounts will be created if they don't exist.
17	Q	account code for cost of goods sold	
18	R	income account code	
19	S	Default sell price	

Column number	Column letter	Field	Description
20	T	Category	Category 1. This category is hierarchical and has 3 levels. You can enter different levels separated by :: (for example "Pharmaceuticals::Controlled::Anti-depressants" or "Controlled::Anti-depressants") or just the lowest level with no separator (for example "Anti-depressants"). mSupply will look for an existing category with the levels you define, if it doesn't find one then it will create it and assign the category to the name. If you enter only the lowest level category (for example "Anti-depressants"), mSupply will look for any lowest level category "Anti-depressants" with any or no parent. If it finds one, it will assign the first one it finds to the name being imported, otherwise it will create it with no parent and assign it to the name. We strongly recommend you use the WHO EDL categories for this field
21	U	Category 2	60 alphanumeric characters
22	V	Category 3	60 alphanumeric characters
23	W	VEN category	The WHO VEN category of the item. One character only, must be V, E or N, will be ignored if it is neither of these.
23	X	Weight	
24	Y	Critical stock	"true" or "false"
25	Z	Normal stock	"true" or "false"
26	AA	User field 5	number
27	AB	User field 6	30 alphanumeric characters
28	AC	User field 7	"true" or "false"

All these are in this handy template:

mSupply_item_import_template.xlsx

The chances are that you already have a set of codes that you use internally. In this case open up Excel or a similar spreadsheet program, fill in the item description in the order shown above. For a quick solution, you only need to fill in the first four columns, the rest can be ignored.

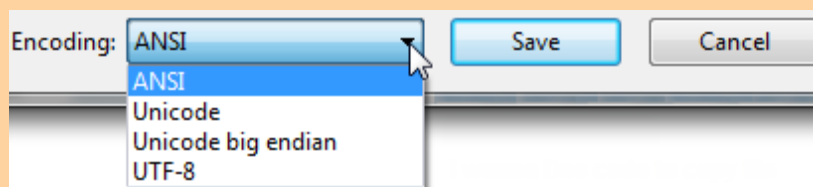
The third column representing "Units", can be left blank, however, it is better to fill this in. The fourth column "*reference pack size*" can be set to "1" for all rows unless you know what pack size you want to use as the "standard" (Don't worry about this. The reference pack is used for comparing quotations. You can receive and issue any pack size you like).

	A	B	C	D
1	Item code	item name	units	Reference pack size
2	ace250t	Acetazolamicea		1
3	ace100t	Acetylsalicylicea		1
4	ace300t	Acetylsalicylicea		1
5	aci200t	Acidovir 200nea		1
6	aci250t	Acidovir sodicea		1
7	alb400t	Albendazole ea		1
8	alb25i	Albumin, hurea		1
9	abl5i	Albumin, hurea		1
10	alc10	Alcuronium clea		1
11	all100t	Allopurinol 1(ea		1
12	alu13s	Aluminium d(ea		1

Save a spreadsheet file as shown above as a **tab-delimited text file**, and then import it as described at the top of this page.



If the file you are importing has non-English characters (for example, accents), it is important to make sure the file is saved with a UTF-8 charset. You can check this by opening the file in Notepad (for Windows). When you save the file, you can choose the Charset used, as shown in image below.



If there are non-printable characters before or after the item name and code they will be removed. Any non-printable characters in the name or code will be replaced with an underscore (_).

Import new item codes

If you need to change the item codes for a selection of items in bulk, custom code has been developed for this purpose. It is a technically challenging process that is easy to get wrong. Please contact Sustainable Solutions on support@msupply.org.nz to discuss this. Include a link to this

heading [Import new item codes](#) .



The relevant details are:

- Method: `importCsvToUpdateItemCode`
- [mSupply Github issue 9130](#)

Previous: [17. Data Import and Export](#) | Next: [17.02. Importing stock](#)

From:
<https://docs.msupply.org.nz/> - mSupply documentation wiki

Permanent link:
https://docs.msupply.org.nz/import_and_export:importing_items?rev=1646206833

Last update: 2022/03/02 07:40



