

# Documentation for the Obsolete Parts Bot

This report includes both a basic summary of how to use the program as well as a step by step description.

## Summary

The program should come in the form of an application that prompts the user to select needed files upon opening it. The necessary files are:

- All parts
  - Contains: every part in the database
  - Export form: Update Data
  - Export field: External ID, Internal Reference, Name, Product type, TWM active, Products/External ID, Product Category
- Star Lord BoM
  - Contains: every active(in use, not Odoo's active) part and assembly
    - Probably best to get the active assemblies from configuration spreadsheets and quotation templates, then load those into a BOM and then export it as a flat BOM

The other, *optional*, files are:

- Excluded Parts
  - Contains: All the parts that should be excluded and weren't in the Star Lord BOM
  - The program only reads the furthest left column
  - Probably worth formatting the entire thing as text so that 0's don't drop off the front of part numbers
- Manufacturing Orders (MO's)
  - Contains: Manufacturing Orders from the past, user to decide how far back in time to reference
  - Export form: Use Data

- Export fields (included): Product/Display Name, Product/Bill of Materials/BOM Lines
- Reordering Rules
  - Contains: export of all reordering rules in the database
  - Export form: Update Data
  - Export fields (included): Product/Name
- Sales Orders (SO's)
  - Contains: Sales Orders from the past, user to specify how far back in time to reference
  - Export form: Use Data
  - Export fields: Order Lines/Product/Display Name
- Purchase Orders (PO's)
  - Contains: Purchase Orders from the past, user to specify how far back in time to reference
  - Export form: Use Data
  - Export fields: Product/Display Name or Description or Product/Product.Display Name

All files must be saved as a .csv, and the program will error out if they aren't. Assuming everything works, four new files will be in the folder when it's done.

- Obsolete\_update.csv
  - Every obsolete part, with updated names, activities, and product types.
  - Can be imported into Odoo(under products) to update the parts
  - Will have the same format as the imported All Parts file
- Questionable.csv
  - All parts that were marked as obsolete and were also on MO's, SO's, or PO's.
  - All parts that were marked as obsolete and weren't "Storable Product"
- Updated Reordering Rules.csv
  - All parts that had reordering rules, now marked to 0,0,1
  - Can be imported to Odoo (under reordering rules) to update the parts
- New Reordering Rules.csv
  - All parts that didn't have reordering rules, with new reordering rules of 0,0,1
  - Can be imported to Odoo (under reordering rules) to update the parts

- Has to be a separate import from the first Reordering Rules import

## Preparing the Program

All that has to happen to prepare the program is to download it. It's pretty big, so it may take a few minutes. Remember that it will spit out new files, and if it's saved in a folder that has a lot of other files in it the new files may be hard to find. It may take a few tries and some googling to get windows to run it- I'm not paying for the certification that Windows's anti-malware software looks for.

## Preparing the Data

The next step is to gather what the program needs to calculate what parts are obsolete. There are seven spreadsheets that the program looks for as it runs. The first contains every part in the database, the second contains all the active parts, the third contains all parts that are to be excluded, the fourth all the recent Manufacturing Orders, the fifth all the Reordering Rules in the database, and the sixth and seventh are Sales Orders and Production Orders respectively.

### All Parts

To create the first spreadsheet, select every part in the database and then export them.

PLM Overview Changes Master Data Reporting Configuration										
Products		Can be Sold X Search...		1-80 / 7456						
CREATE IMPORT		Print Action								
	Internal Reference	Name	Revision	Sales Price	Product Cost	Product Category	Product Type	Quantity On Hand	Forecasted Quantity	Unit of Measure
<input checked="" type="checkbox"/>	4620613	#10-24 UNC 2B 2 Flute Bright Finish High Speed Steel Spiral Point Tap		0.0000	0.0000	Machine Shop Supplies & Tooling	Consumable			Each
<input checked="" type="checkbox"/>	4621595	#10-24 UNC 3 Flute 2B Bottoming Spiral Tap Bottoming		0.0000	0.0000	Machine Shop Supplies & Tooling	Consumable			Each
<input checked="" type="checkbox"/>	64932833	#10-32 UNF 2B 2 Flute Bright Finish High Speed Steel Spiral Point Tap		0.0000	0.0000	Machine Shop Supplies & Tooling	Consumable			Each
<input checked="" type="checkbox"/>	4621629	#10-32 UNF 3 Flute 2B Bottoming Spiral Tap Bottoming		0.0000	0.0000	Machine Shop Supplies & Tooling	Consumable			Each
<input checked="" type="checkbox"/>	PANDNF18206FIBL	#18 Panduit NYL Female Disconnect		0.0000	0.5100	Parts	Consumable			Each
<input checked="" type="checkbox"/>	78519592	#21 135" Cobalt Jobber Drill (10-32 Tap Drill)		0.0000	0.0000	Machine Shop Supplies & Tooling	Consumable			Each

Make sure to select the Update Data and CSV options within the export page. The export fields are very important; if the program doesn't detect the seven it needs it won't accept the file. As shown in the following image, the necessary fields are (in no particular order): External ID, Internal Reference, Name, Product Type, Product Category, TWM Active, and Products/External ID. Other fields can be added if desired and the program will still run, but no action will be performed on or with any other provided data.

PLM Overview Changes Master Data Reporting Configuration

Products

CREATE IMPORT

Internal Reference	Name	Revision	Sales Price	Product Cost	Product Category	Product Type	Quantity On Hand	Forecasted Quantity	Unit of Measure
<input checked="" type="checkbox"/>	4620613	#10-24 UNC 2B 2 Flute Bright Finish High Speed Steel Spiral Point Tap		0.0000	0.0000	Machine Shop Supplies & Tooling	Consumable		Each
<input checked="" type="checkbox"/>	4621595	#10-24 UNC 3 Flute 2B Bottoming Spiral Tap Bottoming		0.0000	0.0000	Machine Shop Supplies & Tooling	Consumable		Each
<input checked="" type="checkbox"/>	64932833	#10-32 UNF 2B 2 Flute Bright Finish High Speed Steel Spiral Point Tap		0.0000	0.0000	Machine Shop Supplies & Tooling	Consumable		Each
<input checked="" type="checkbox"/>	4621629	#10-32 UNF 3 Flute 2B Bottoming Spiral Tap Bottoming		0.0000	0.0000	Machine Shop Supplies & Tooling	Consumable		Each
<input checked="" type="checkbox"/>	PANDNF18206FIBL	#18 Panduit NYL Female Disconnect		0.0000	0.5100	Parts	Consumable		Each
<input checked="" type="checkbox"/>	78519592	#21 135" Cobalt Jobber Drill (10-32 Tap Drill)		0.0000	0.0000	Machine Shop Supplies & Tooling	Consumable		Each

Export Data

What do you want to do?

☐ Use data in a spreadsheet (export all data)
 ☒ Update data (import-compatible export)

Export Format:

☐ Excel
 ☒ CSV

Available fields

Product Packages

Product Type

Production Location

Products

Products/External ID

Products/Name

Products/Active

Products/Activities

Products/Attribute Values

Products/BOM Product Variants

Products/Barcode

Products/Big-sized image

Products/Bill of Materials

Products/BoM Components

Products/Can be Purchased

Products/Can be Rent

Products/Can be Sold

Products/Category Routes

Fields to export

External ID

Name

Internal Reference

Product Type

Product Category

TWM Active

Products/External ID

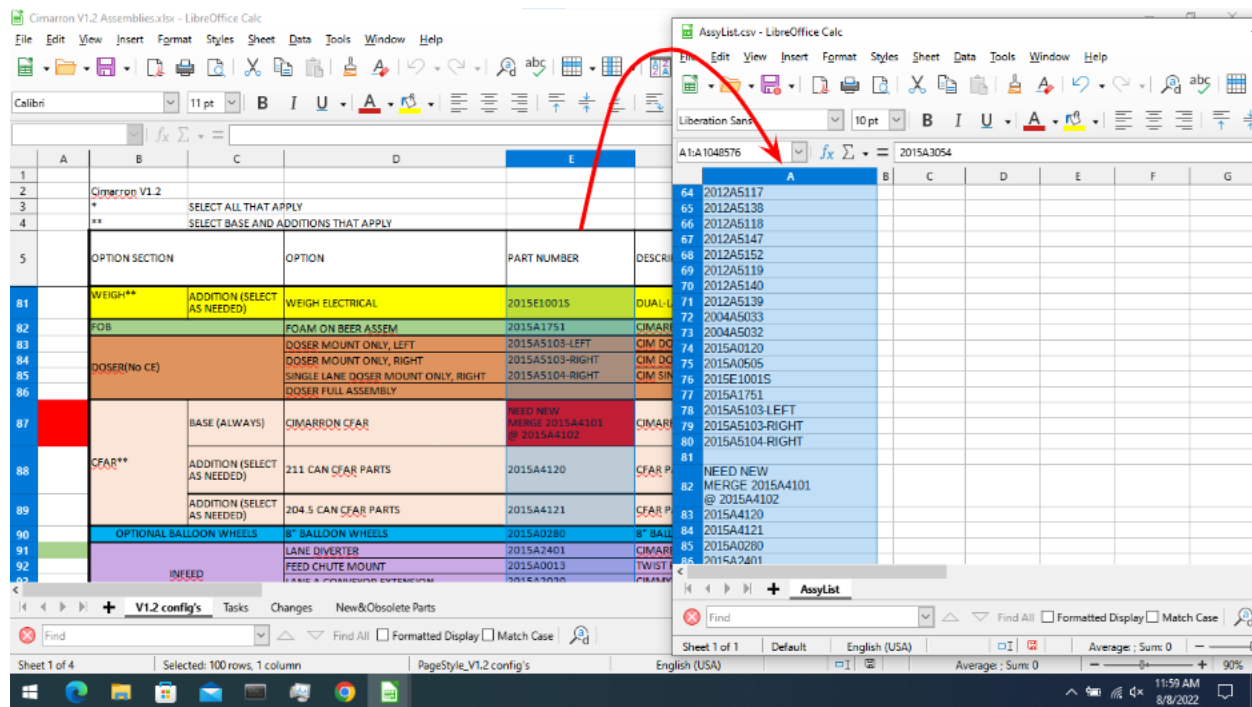
EXPORT TO FILE

CLOSE

Once done, clicking export to file will save a file with a name something like “product.template.csv”. This file will need to be selected later, so either remember the name or rename it to something more useful.

## The Star Lord BOM

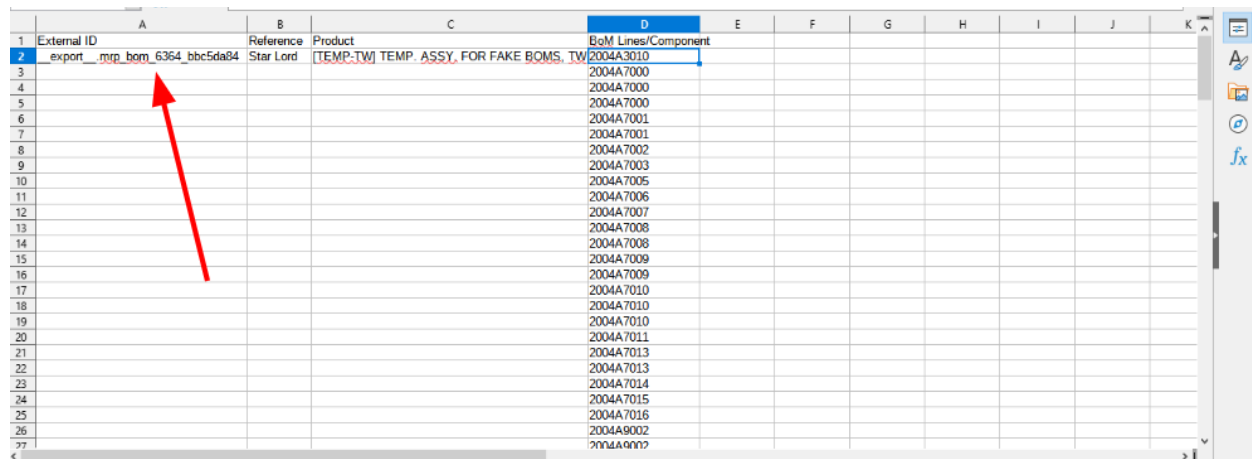
The second file the program needs contains every part that is currently not obsolete. While there is more than one way to generate such a list, the following one is recommended by engineering. First, go through the configuration spreadsheet (tmserver -> MonkeyBusiness -> Engineering -> Configurations) for each active machine and copy each assembly number into a separate spreadsheet. Make sure to only get the assembly numbers, and not other things like titles or multipliers. Duplicates throughout this BoM are fine (and most of the program as well), and definitely preferable to missing an assembly.



After this, go through every quotation template and put every assembly number in the templates into the spreadsheet. This can get tedious, which is what the SO\_reader widget is for. To use the SO\_reader, copy-paste all the text in each quotation template into the command window that is opened with the widget. Once all the text is in, press enter twice and it will print a list of all

the text that's within brackets from the text that was provided. Then just copy-paste that list into the spreadsheet.

Once the spreadsheet has every current assembly on it, it needs to be imported into Odoo to create a BOM with every current assembly (i.e. the Star Lord BOM). To do this, format it the way the following image has it- with a column that is titled 'External ID', and another that is 'BoM Lines/ Component'. What is in the 'Product Column' affects where the BoM is saved, and the 'Reference' is optional but recommended to make the new BoM easier to find. If the following external id is already in the database, then the components will be added to that BoM. If it isn't, a new BoM will be created. If unsure of what some action will do, the test database is a great resource here.



	A	B	C	D	E	F	G	H	I	J	K
1	External ID	Reference	Product	BoM Lines/Component							
2	export_mrp_bom_6364_bbc5da84	Star Lord	(TEMP-TW) TEMP. ASSY. FOR FAKE BOMS. TW	2004A3010							
3				2004A7000							
4				2004A7000							
5				2004A7000							
6				2004A7001							
7				2004A7001							
8				2004A7002							
9				2004A7003							
10				2004A7005							
11				2004A7006							
12				2004A7007							
13				2004A7008							
14				2004A7008							
15				2004A7009							
16				2004A7009							
17				2004A7010							
18				2004A7010							
19				2004A7010							
20				2004A7011							
21				2004A7013							
22				2004A7013							
23				2004A7014							
24				2004A7015							
25				2004A7016							
26				2004A9002							
27				2004A9002							

Select where the new BoM should be located, or where the one to be updated is, and click upload, select the file, and click import, making sure that the correct headers are loaded into Odoo. The following images (and previous image) are for updating the BoM with the reference 'Star Lord'.

PLM Overview Changes Master Data Reporting Configuration

Bill of Materials

Product [TEMP-TW] TEMP. ASSY. FOR FAKE BOMS, TW Search...

CREATE IMPORT

Filters Group By Favorites

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Product	Revision	Reference	Quantity	Product Unit of Measure
[TEMP-TW] TEMP. ASSY. FOR FAKE BOMS, TW		MANCOS V3.0	1.00	Each
[TEMP-TW] TEMP. ASSY. FOR FAKE BOMS, TW		EAGLE, FIND SPARES	1.00	Each
[TEMP-TW] TEMP. ASSY. FOR FAKE BOMS, TW		ALL ACTIVE ASSEMBLIES	1.00	Each
[TEMP-TW] TEMP. ASSY. FOR FAKE BOMS, TW		Star Lord	1.00	Each

PLM Overview Changes Master Data Reporting Configuration

Bill of Materials / Import a File

IMPORT TEST IMPORT RELOAD FILE LOAD NEW FILE CANCEL

+ Formatting Options...

Map your columns to import

☒ The first row contains the label of the column ☒ Show fields of relation fields (advanced)

External ID	Reference	Product	BoM Lines/Product
External ID	Reference	Product	BoM Lines / Co...
mrp_bom_1	Star Lord	[TEMP-TW] TEMP. ASSY. FOR FAKE BOMS, TW	2004A3010
			2004A7000
			2004A7000
			2004A7000
			2004A7001
			2004A7001
			2004A7002
			2004A7003
			2004A7005
			2004A7006

If it isn't certain that every assembly in the spreadsheet is a viable product in Odoo, the 'TEST IMPORT' button will load faster and give similar error information.

Once this BOM has been loaded, it needs to be exported with all the part numbers in it. Open the BOM, then click on the Structure & Cost button.

PLM Overview Changes Master Data Reporting Configuration 1 1 Engineering

Bill of Materials / STAR LORD: [TEMP-TW] TEMP. ASSY. FOR FAKE BOMS, TW

EDIT CREATE Print Action

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Structure & Cost 0 ECO(s) Active

Product [TEMP-TW] TEMP. ASSY. FOR FAKE BOMS, TW Reference STAR LORD  
Quantity 1.00 Each BoM Type Manufacture this product

Components Miscellaneous

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Component	Quantity	Product Unit of Measure
[100403] 202 SLIM CAN ADAPTER FOR SEAM SAW	1.000	Each
[100403] 202 SLIM CAN ADAPTER FOR SEAM SAW	1.000	Each
[100654] 202 LID ADAPTER FOR SEAM INSPECTION	1.000	Each
[100654] 202 LID ADAPTER FOR SEAM INSPECTION	1.000	Each
[100655] 204 LID ADAPTER FOR SEAM INSPECTION	1.000	Each
[100655] 204 LID ADAPTER FOR SEAM INSPECTION	1.000	Each
[100656] 206 LID ADAPTER FOR SEAM INSPECTION	1.000	Each
[100656] 206 LID ADAPTER FOR SEAM INSPECTION	1.000	Each
[102242] 200 LID ADAPTER FOR SEAM INSPECTION	1.000	Each

Next click on the export button.

PLM Overview Changes Master Data Reporting Configuration 1 1 Engineering

Bill of Materials / STAR LORD: [TEMP-TW] TEMP. ASSY. FOR FAKE BOMS, TW  
/ BoM Structure & Cost

PRINT PRINT UNFOLDED EXPORT (XLSX) Quantity: 1 Each Report: BoM Structure & Cost

BoM Structure & Cost  
[TEMP-TW] TEMP. ASSY. FOR FAKE BOMS, TW  
Reference: STAR LORD

Product	BoM	Quantity	Unit of Measure	Product Cost	BoM Cost
[TEMP-TW] TEMP. ASSY. FOR FAKE BOMS, TW	STAR LORD: [TEMP-TW] TEMP. ASSY. FOR FAKE BOMS, TW - Version1	1.000	Each	\$ 0.00	\$ 89.00
[100403] 202 SLIM CAN ADAPTER FOR SEAM SAW		1.000	Each	\$ 0.00	
[100403] 202 SLIM CAN ADAPTER FOR SEAM SAW		1.000	Each	\$ 0.00	
[100654] 202 LID ADAPTER FOR SEAM INSPECTION		1.000	Each	\$ 0.00	
[100654] 202 LID ADAPTER FOR SEAM INSPECTION		1.000	Each	\$ 0.00	
[100655] 204 LID ADAPTER FOR SEAM INSPECTION		1.000	Each	\$ 0.00	
[100655] 204 LID ADAPTER FOR SEAM INSPECTION		1.000	Each	\$ 0.00	
[100656] 206 LID ADAPTER FOR SEAM INSPECTION		1.000	Each	\$ 0.00	
[100656] 206 LID ADAPTER FOR SEAM INSPECTION		1.000	Each	\$ 0.00	
[102242] 200 LID ADAPTER FOR SEAM INSPECTION		1.000	Each	\$ 0.00	
[102242] 200 LID ADAPTER FOR SEAM INSPECTION		1.000	Each	\$ 0.00	
[102560] SAW BLADE, SEAM INSPECTION SAW		1.000	Each	\$ 80.00	

This will save an excel spreadsheet to the computer. It will probably be named something close to "bom\_structure\_and\_cost.xlsx". Make sure to open the file in Excel, select 'Save As', select .csv, and save the file before running the program since the program can't read Excel files.



# Manufacturing Orders

To load the manufacturing orders (MO's) into the program, select every Manufacturing Order with the checkbox on the top left. Then Action -> Export.

Manufacturing Orders

CREATE IMPORT

Print Action

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Reference	Revision	Order	Job #	Deadline Start	Product	Source	Quantity	Unit of Measure	Materials Availability	Avl. Date	State
220608_WH/MO/48547	A	SO3296	220608	08/03/2022 08:23:47	[2004A1213] CIMARRON	WH/MO/48546	1.000	Each	Available	08/03/2022	Confirmed
220608_WH/MO/48549	A	SO3296	220608	08/03/2022 08:23:47	[2004A1215] SINGULATOR ASSY BASE, CIMARRON	WH/MO/48548	1.000	Each	Available	08/03/2022	Confirmed
220608_WH/MO/48551	C	SO3296	220608	08/03/2022 08:23:47	[2004A5504] LOW FORCE RELEASE GATE ASSY	WH/MO/48550	1.000	Each	Partially Available	08/03/2022	Confirmed
220608_WH/MO/48552	A	SO3296	220608	08/03/2022 08:23:47	[2004A5506] LF LID SLIDE	WH/MO/48551	1.000	Each	Available	08/03/2022	Confirmed
220608_WH/MO/48550	D	SO3296	220608	08/03/2022 08:23:47	[2004A5502] LF APPLICATOR ASSY BASE, Y-V4.7, G-V7.0, C-V1.2	WH/MO/48548	1.000	Each	Partially Available	08/03/2022	Confirmed
220608_WH/MO/48553	A	SO3296	220608	08/03/2022 08:23:47	[2004D1264] LINEAR SLIDE, CIM LID, (modify 6109K222)	WH/MO/48548	1.000	Each	Available	08/03/2022	Confirmed
220608_WH/MO/48554	B	SO3296	220608	08/03/2022 08:23:47	[2015A2252] CIMARRON LID HOLD DOWN ASSY, V1.1	WH/MO/48548	1.000	Each	Partially Available	08/03/2022	Confirmed
220608_WH/MO/48555	A	SO3296	220608	08/03/2022 08:23:47	[2015A0001] CAN PRESENT SENSOR ASSY	WH/MO/48554	1.000	Each	Available	08/03/2022	Confirmed
220608_WH/MO/48548	B	SO3296	220608	08/03/2022 08:23:47	[2004A1214] CIM SINGLE LANE AUTO LID DISPENSE, V1.2	WH/MO/48546	1.000	Each	Partially Available	08/03/2022	Confirmed

Make sure that “Products/Display Name” as well as the “Product/Bill of Materials/BOM Lines” is selected in the export fields. This export, unlike the first, has to have “Use data...” selected under the “What do you want to do” part. Click “Export to File”, and it should be ready. It may be worth removing some unnecessary fields as many fields can cause the export to take a while.

Export Data

What do you want to do?

☒ Use data in a spreadsheet (export all data)

☐ Use data (Import-compatible export)

Available fields

- Product Variants
- Product/Barcode
- Product/Big-sized image
- Product/Bill of Materials
  - Product/Bill of Materials/Display Name
  - Product/Bill of Materials/External ID
  - Product/Bill of Materials/ID
  - Product/Bill of Materials/# ECOs
  - Product/Bill of Materials/# ECOs in progress
  - Product/Bill of Materials/Action Needed
  - Product/Bill of Materials/Attachment Count
  - Product/Bill of Materials/BOM Lines
  - Product/Bill of Materials/BOM Type
  - Product/Bill of Materials/Company
  - Product/Bill of Materials/Created by
  - Product/Bill of Materials/Created on
  - Product/Bill of Materials/ECO to be applied

Export Format:

☒ Excel

Fields to export

Save fields list

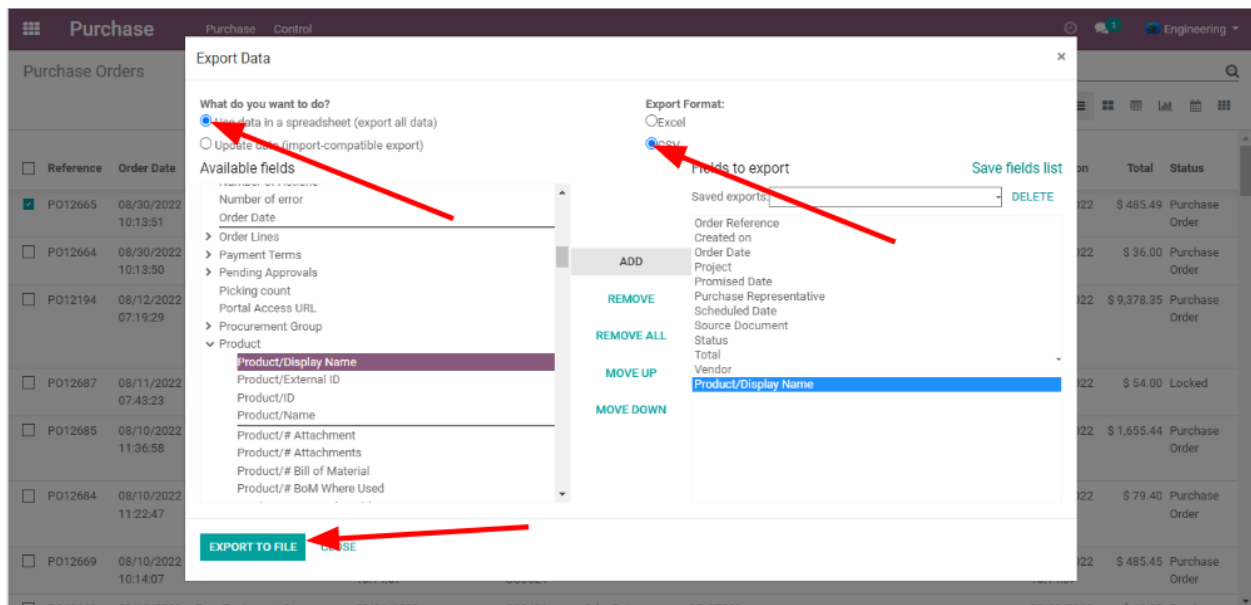
ADD REMOVE REMOVE ALL MOVE UP MOVE DOWN

EXPORT TO FILE CLOSE

This method exports all saved MO's. The user may want to filter out the ones they don't want using Odoo or Excel.

## Sales Orders and Purchase Orders

Go into the Sales/Purchase part of Odoo, and select everything -> action -> export like the rest. Use data, CSV, and make sure to add Product/Display Name to the output for purchase, Order Lines/Product/Display Name for sales. Similar to the Manufacturing Orders, the user will probably have to do some sorting in Odoo and or Excel.



## Excluded Parts

Some parts and assemblies usually end up getting excluded from the final obsolete list despite the fact that they weren't/aren't on the Star Lord BOM. To format this spreadsheet, put all the part numbers/assembly numbers (just the numbers, not the part descriptions) in the furthest left column. The other columns can have anything in them, so part names can go next to the Internal IDs without messing up the program. Save it as a .csv, using the "Save As" option in excel. Similar to the Star Lord BoM, duplicates don't really hurt anything. Blank space also doesn't hurt, so if it's helpful to space things out a little- no harm done.

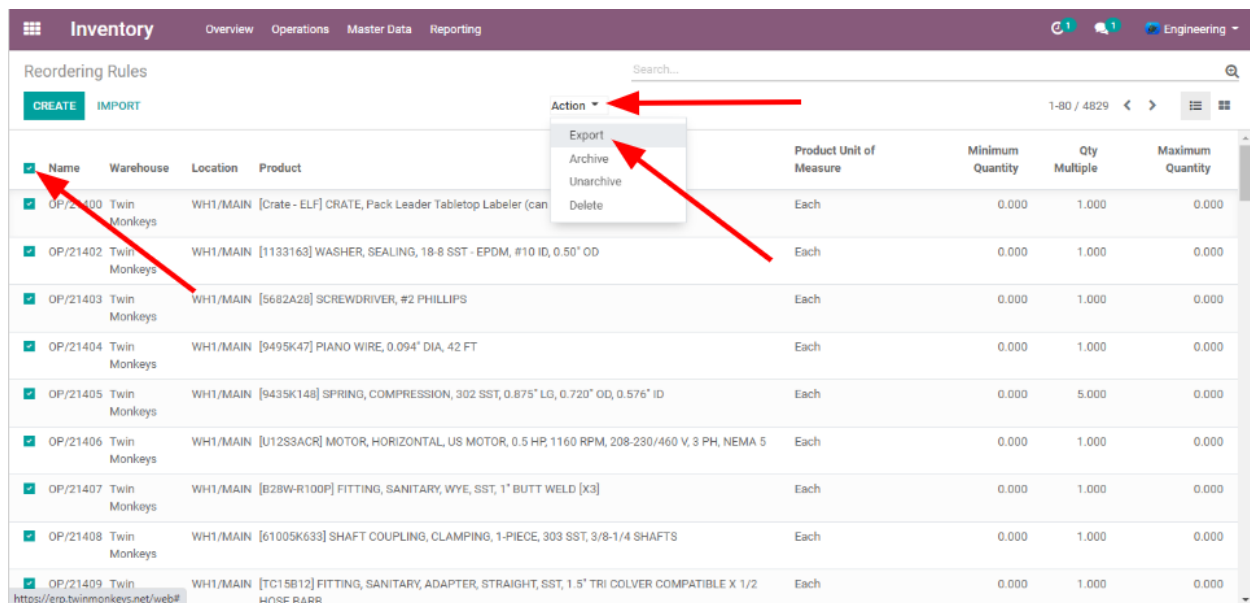
A quick note on the file- it is possible that some part numbers that only contain numbers will be seen, in excel's eyes, as an integer. This is fine, unless the part number starts with a zero. In that case the zero will be dropped and the .exe will not find the new part number. To avoid this try to get excel to format all cells (or at least the cells that will contain part numbers) to be text/strings/something that isn't numeric and doesn't change the format. If it does change it isn't the end of the world- the program lists out the parts from the excluded file that it didn't find and those can be edited manually in the excluded file to match what Odoo has on another iteration

Hopefully nobody ever needs this information, but if the list being copied in is in the format [PART NUMBER] PART NAME (the part name is attached to the part number, which is in brackets) the program can handle that and will extract the part number from the string. It can be mixed with regular part numbers as well- the entire column doesn't have to be either format.

## Reordering Rules

These are optional. If the file isn't included in the folder, the program will still run, but it won't give output to update the reordering rules.

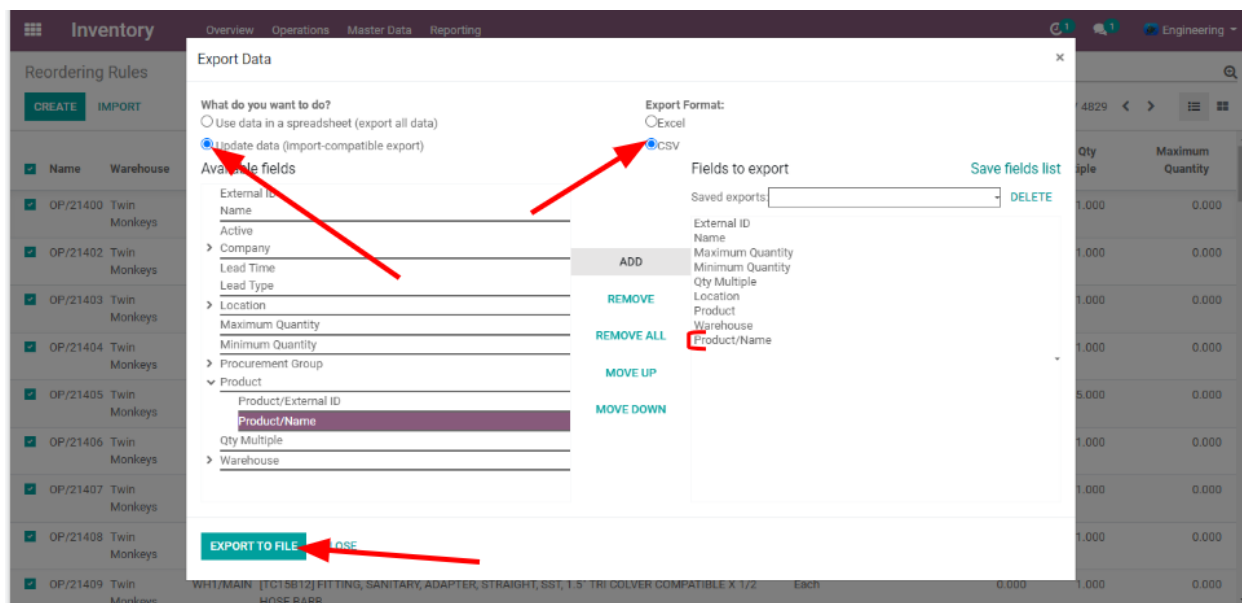
Go into Reordering Rules, click the top left checkbox to select every reordering rule, then Action -> Export.



The screenshot shows the 'Reordering Rules' page in Odoo. The interface includes a top navigation bar with 'Inventory' selected, and sub-headers for 'Overview', 'Operations', 'Master Data', and 'Reporting'. A search bar is located at the top right. Below the navigation bar, there are 'CREATE' and 'IMPORT' buttons. The main table lists reordering rules with columns: Name, Warehouse, Location, Product, Product Unit of Measure, Minimum Quantity, Qty Multiple, and Maximum Quantity. The first row is selected, and the 'Action' dropdown menu is open, showing options: Export, Archive, Unarchive, and Delete. Red arrows highlight the 'Action' dropdown, the 'Export' option, and the first checkbox in the table.

	Name	Warehouse	Location	Product	Product Unit of Measure	Minimum Quantity	Qty Multiple	Maximum Quantity
<input checked="" type="checkbox"/>	OP/21400	Twin Monkeys	WH1/MAIN	[Crate - ELF] CRATE, Pack Leader Tabletop Labeler (can	Each	0.000	1.000	0.000
<input checked="" type="checkbox"/>	OP/21402	Twin Monkeys	WH1/MAIN	[1133163] WASHER, SEALING, 18-8 SST - EPDM, #10 ID, 0.50" OD	Each	0.000	1.000	0.000
<input checked="" type="checkbox"/>	OP/21403	Twin Monkeys	WH1/MAIN	[5682A28] SCREWDRIVER, #2 PHILLIPS	Each	0.000	1.000	0.000
<input checked="" type="checkbox"/>	OP/21404	Twin Monkeys	WH1/MAIN	[9495K47] PIANO WIRE, 0.094" DIA, 42 FT	Each	0.000	1.000	0.000
<input checked="" type="checkbox"/>	OP/21405	Twin Monkeys	WH1/MAIN	[9435K148] SPRING, COMPRESSION, 302 SST, 0.875" LG, 0.720" OD, 0.576" ID	Each	0.000	5.000	0.000
<input checked="" type="checkbox"/>	OP/21406	Twin Monkeys	WH1/MAIN	[U12S3ACR] MOTOR, HORIZONTAL, US MOTOR, 0.5 HP, 1160 RPM, 208-230/460 V, 3 PH, NEMA 5	Each	0.000	1.000	0.000
<input checked="" type="checkbox"/>	OP/21407	Twin Monkeys	WH1/MAIN	[B28WR100P] FITTING, SANITARY, WYE, SST, 1" BUTT WELD [x3]	Each	0.000	1.000	0.000
<input checked="" type="checkbox"/>	OP/21408	Twin Monkeys	WH1/MAIN	[61005K633] SHAFT COUPLING, CLAMPING, 1-PIECE, 303 SST, 3/8-1/4 SHAFTS	Each	0.000	1.000	0.000
<input checked="" type="checkbox"/>	OP/21409	Twin Monkeys	WH1/MAIN	[TC15B12] FITTING, SANITARY, ADAPTER, STRAIGHT, SST, 1.5" TRI COLVER COMPATIBLE X 1/2 HOSE BARB	Each	0.000	1.000	0.000

Select “Update data” and “CSV”, and make sure to add “Product/Name” to the export fields before exporting it to a file.



Note: The Product/Name category here will export the same External IDs for parts/assemblies that the Products/External ID field will have in the All parts export.

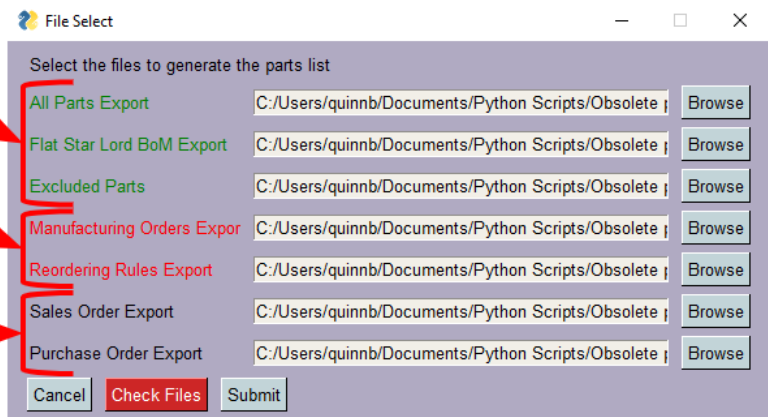
## Using the Program / Output

When the program launches, it will need a few seconds before it does anything. Once it starts, a menu prompting the user to select files for the program to process will appear. As files are selected, if the “check files” button is pressed, the text at the title of the file will turn either green or red. Green means that the file was accepted, red is rejected. Especially in the case of the second file (the Star Lord BoM), the user can select a file that won’t work and the program will most likely not catch it. It is important to double check that the selected files are correct, as the program can’t execute successfully without the proper files selected. Or even worse, the program will execute without error but the output will be incorrect. If a file isn’t green when “Submit” is clicked, it means that the program hasn’t seen that file and won’t use it as it executes.

Accepted files that the program will try to process

Rejected files the program won't use

Unloaded files the program won't use if "Check Files" isn't clicked again



The File Select dialog box is titled "File Select" and contains the instruction "Select the files to generate the parts list". It features a list of file types with corresponding file paths and "Browse" buttons. The file types are: All Parts Export, Flat Star Lord BoM Export, Excluded Parts, Manufacturing Orders Export, Reordering Rules Export, Sales Order Export, and Purchase Order Export. All paths are set to "C:/Users/quinnb/Documents/Python Scripts/Obsolete". At the bottom, there are "Cancel", "Check Files", and "Submit" buttons. Red arrows from the text on the left point to the "All Parts Export" and "Flat Star Lord BoM Export" rows, and the "Check Files" button.

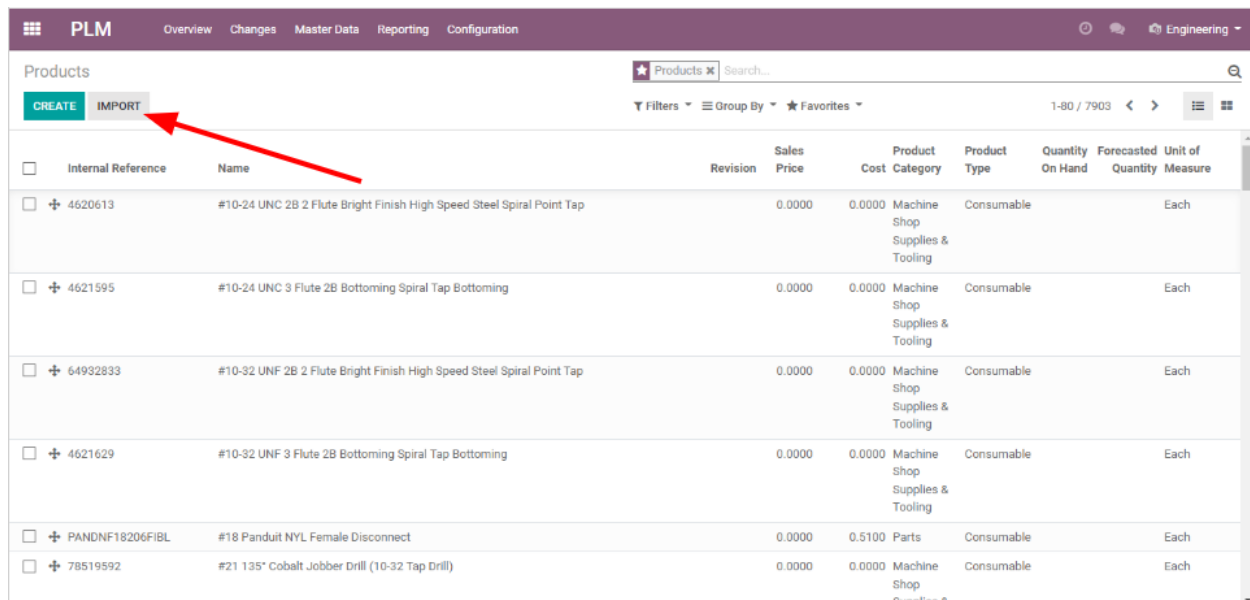
File Type	File Path	Action
All Parts Export	C:/Users/quinnb/Documents/Python Scripts/Obsolete	Browse
Flat Star Lord BoM Export	C:/Users/quinnb/Documents/Python Scripts/Obsolete	Browse
Excluded Parts	C:/Users/quinnb/Documents/Python Scripts/Obsolete	Browse
Manufacturing Orders Export	C:/Users/quinnb/Documents/Python Scripts/Obsolete	Browse
Reordering Rules Export	C:/Users/quinnb/Documents/Python Scripts/Obsolete	Browse
Sales Order Export	C:/Users/quinnb/Documents/Python Scripts/Obsolete	Browse
Purchase Order Export	C:/Users/quinnb/Documents/Python Scripts/Obsolete	Browse

The "Submit" button will not appear until both the All Parts and Story Lord BOM fields have valid inputs in them.

## Obsolete\_update.csv

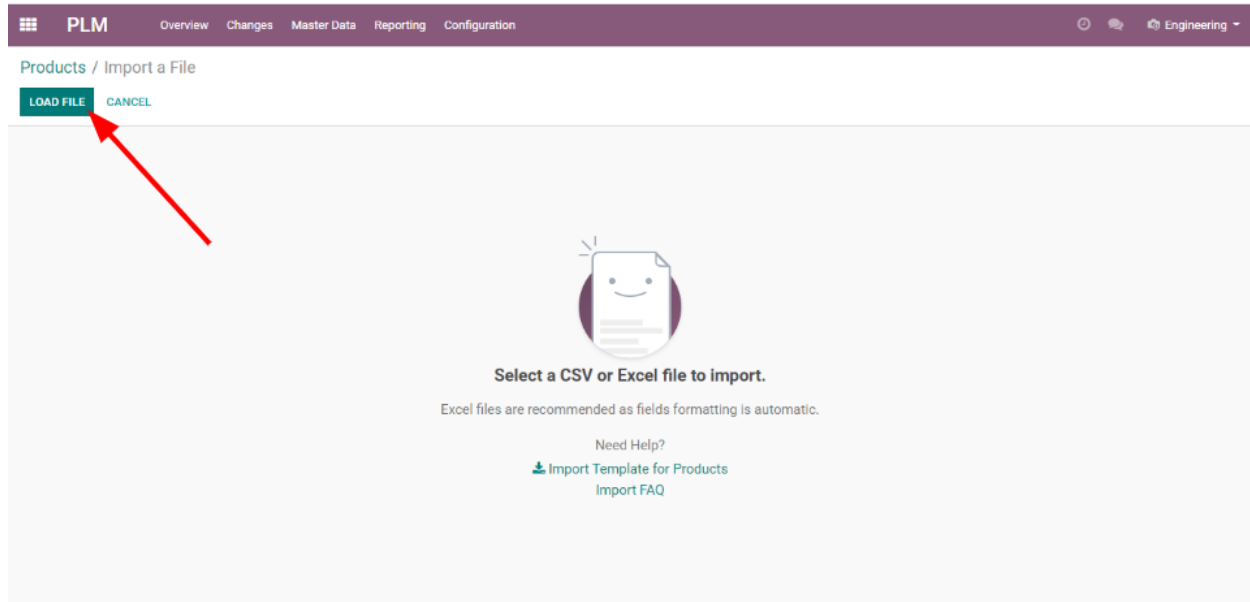
The goal of the program- if this file is imported into Odoo it will update the obsolete parts. This update includes changing the name to have [OBSOLETE] at the start of the name, changing the part to not active if it wasn't already, and making it a Storable Product if it wasn't already. Any other fields that were selected in the All Parts export will appear here unchanged.

To update Odoo, go into products and click the import button, then the Load File button.

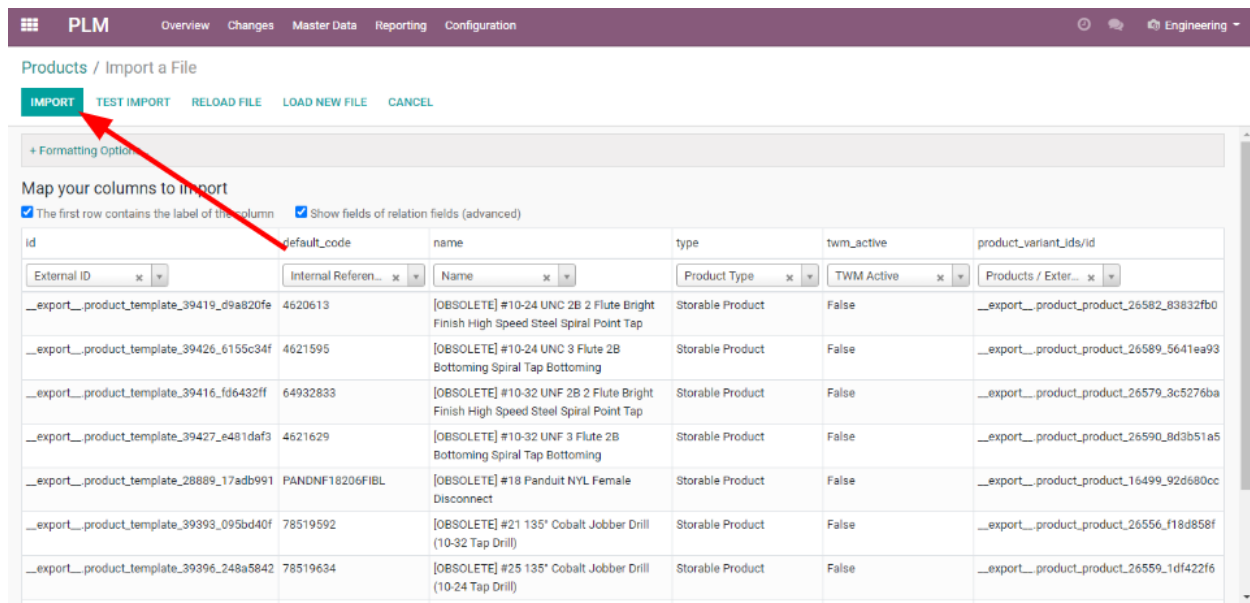


The screenshot shows the Odoo PLM interface. The top navigation bar includes "Overview", "Changes", "Master Data", "Reporting", and "Configuration". The "Products" section is active, showing a table of products. A red arrow points to the "IMPORT" button in the top left of the Products section. The table has columns for "Internal Reference", "Name", "Revision", "Sales Price", "Product Cost", "Product Category", "Product Type", "Quantity On Hand", "Forecasted Quantity", and "Unit of Measure".

Internal Reference	Name	Revision	Sales Price	Product Cost	Product Category	Product Type	Quantity On Hand	Forecasted Quantity	Unit of Measure
4620613	#10-24 UNC 2B 2 Flute Bright Finish High Speed Steel Spiral Point Tap		0.0000	0.0000	Machine Shop Supplies & Tooling	Consumable			Each
4621595	#10-24 UNC 3 Flute 2B Bottoming Spiral Tap Bottoming		0.0000	0.0000	Machine Shop Supplies & Tooling	Consumable			Each
64932833	#10-32 UNF 2B 2 Flute Bright Finish High Speed Steel Spiral Point Tap		0.0000	0.0000	Machine Shop Supplies & Tooling	Consumable			Each
4621629	#10-32 UNF 3 Flute 2B Bottoming Spiral Tap Bottoming		0.0000	0.0000	Machine Shop Supplies & Tooling	Consumable			Each
PANDNF18206FIBL	#18 Panduit NYL Female Disconnect		0.0000	0.5100	Parts	Consumable			Each
78519592	#21 135° Cobalt Jobber Drill (10-32 Tap Drill)		0.0000	0.0000	Machine Shop Supplies & Tooling	Consumable			Each



Select the Obsolete\_update.csv from the computer. Then select import to update the database. Similar to importing the Star Lord BOM, the test import button can be helpful to find out if all the information is valid without changing anything in Odoo.



## Questionable.csv

Contains all parts that were marked obsolete and were on MO's, SO's, PO's, or weren't Storable Products. The goal here is that the user can copy the parts from the questionable file to the

excluded file and run the program again without having to change anything on the Star Lord BOM.

This file, depending on what program reads it, may have the same problem with the computer reading part numbers as integers as was seen in the Excluded parts file.

## Reordering Rules

The program spits out two files that are relevant to reordering rules. This is because it isn't easy (to my knowledge) to both update reordering rules and create new rules in the same import. So the following process should be done for each of the two files (Updated Reordering Rules.csv and New Reordering Rules.csv).

A brief reminder about reordering rules- a part/assembly can have more than one reordering rule under it. So even if the rules are already set under a part, "updating" said rules will only create new ones as opposed to changing the old if the reordering rules external ID isn't specified. Hence the reason the reordering rules in Odoo have their own set of external IDs, which are separate from the Product IDs.

In Reordering Rules, select import and then load file.

Inventory

Overview

Operations

Master Data

Reporting

Engineering

Reordering Rules

Search...

CREATE

IMPORT

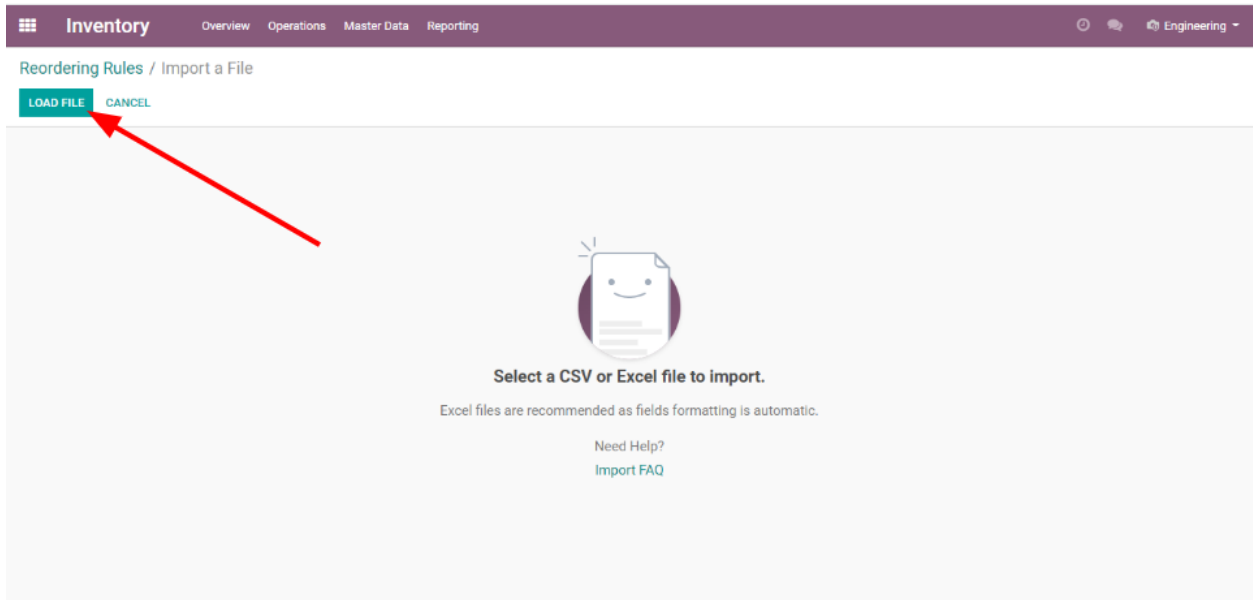
Filters

Group By

Favorites

1-80 / 4821

<input type="checkbox"/>	Name	Warehouse	Location	Product	Product Unit of Measure	Minimum Quantity	Qty Multiple	Maximum Quantity
<input type="checkbox"/>	OP/21400 Twin Monkeys	WH1/MAIN	[Crate - ELF]	CRATE, Pack Leader Tabletop Labeler (can have various options)	Each	0.000	1.000	0.000
<input type="checkbox"/>	OP/21402 Twin Monkeys	WH1/MAIN	[1133163]	WASHER, SEALING, 18-8 SST - EPDM, #10 ID, 0.50" OD	Each	0.000	1.000	0.000
<input type="checkbox"/>	OP/21403 Twin Monkeys	WH1/MAIN	[5682A28]	SCREWDRIVER, #2 PHILLIPS	Each	0.000	1.000	0.000
<input type="checkbox"/>	OP/21404 Twin Monkeys	WH1/MAIN	[9495K47]	PIANO WIRE, 0.094" DIA, 42 FT	Each	0.000	1.000	0.000
<input type="checkbox"/>	OP/21405 Twin Monkeys	WH1/MAIN	[9435K148]	SPRING, COMPRESSION, 302 SST, 0.875" LG, 0.720" OD, 0.576" ID	Each	0.000	5.000	0.000
<input type="checkbox"/>	OP/21406 Twin Monkeys	WH1/MAIN	[U12S3ACR]	MOTOR, 208-230/460 V, 0.5 HP, 1160 RPM, NEMA 5, 3PHS	Each	0.000	1.000	0.000
<input type="checkbox"/>	OP/21407 Twin Monkeys	WH1/MAIN	[B28WR100P]	FITTING, SANITARY, WYE, 1" BUTT WELD [X3]	Each	0.000	1.000	0.000
<input type="checkbox"/>	OP/21408 Twin Monkeys	WH1/MAIN	[61005K633]	SHAFT COUPLING, CLAMPING 1-PIECE, 303 SST, 3/8-1/4 SHAFTS	Each	0.000	1.000	0.000
<input type="checkbox"/>	OP/21409 Twin Monkeys	WH1/MAIN	[TC15B12]	FITTING, SANITARY, STRAIGHT ADAPTER, 1.5" TRI COLVER COMPATIBLE X 1/2 HOSE BARB	Each	0.000	1.000	0.000



Select one of the two files, and press open. Then press import again and that file is done. Again, the test import may be useful.

