



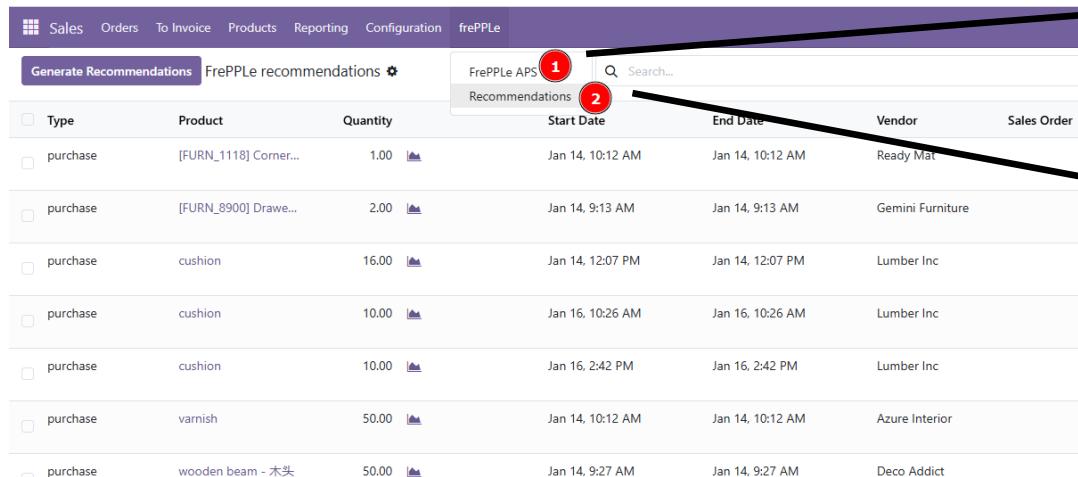
What changes in the
connector with odoo 19?

What's new in the frepple connector for odoo 19?

With odoo 19 the frepple team took a step back to come up with a new-generation of the odoo integration.

At a high level, these are the key changes:

- Cleaner separation of ERP and APS:
Some activities belong to ERP. Some activities belong to APS.
Keep them distinct, rather than mixing them.
- Xml is dead. Long live json.
The connector is using json now as the data format.



Type	Product	Quantity	Start Date	End Date	Vendor	Sales Order
purchase	[FURN_1118] Corner...	1.00	Jan 14, 10:12 AM	Jan 14, 10:12 AM	Ready Mat	
purchase	[FURN_8900] Drawe...	2.00	Jan 14, 9:13 AM	Jan 14, 9:13 AM	Gemini Furniture	
purchase	cushion	16.00	Jan 14, 12:07 PM	Jan 14, 12:07 PM	Lumber Inc	
purchase	cushion	10.00	Jan 16, 10:26 AM	Jan 16, 10:26 AM	Lumber Inc	
purchase	cushion	10.00	Jan 16, 2:42 PM	Jan 16, 2:42 PM	Lumber Inc	
purchase	varnish	50.00	Jan 14, 10:12 AM	Jan 14, 10:12 AM	Azure Interior	
purchase	wooden beam - 木头	50.00	Jan 14, 9:27 AM	Jan 14, 9:27 AM	Deco Addict	

Frepple now opens as a separate tab, rather than an odoo iframe.

Frepple publishes a filtered list of results to odoo as “recommendations”. PO and MO approvals can now be done directly from within odoo.

1) User interface separation

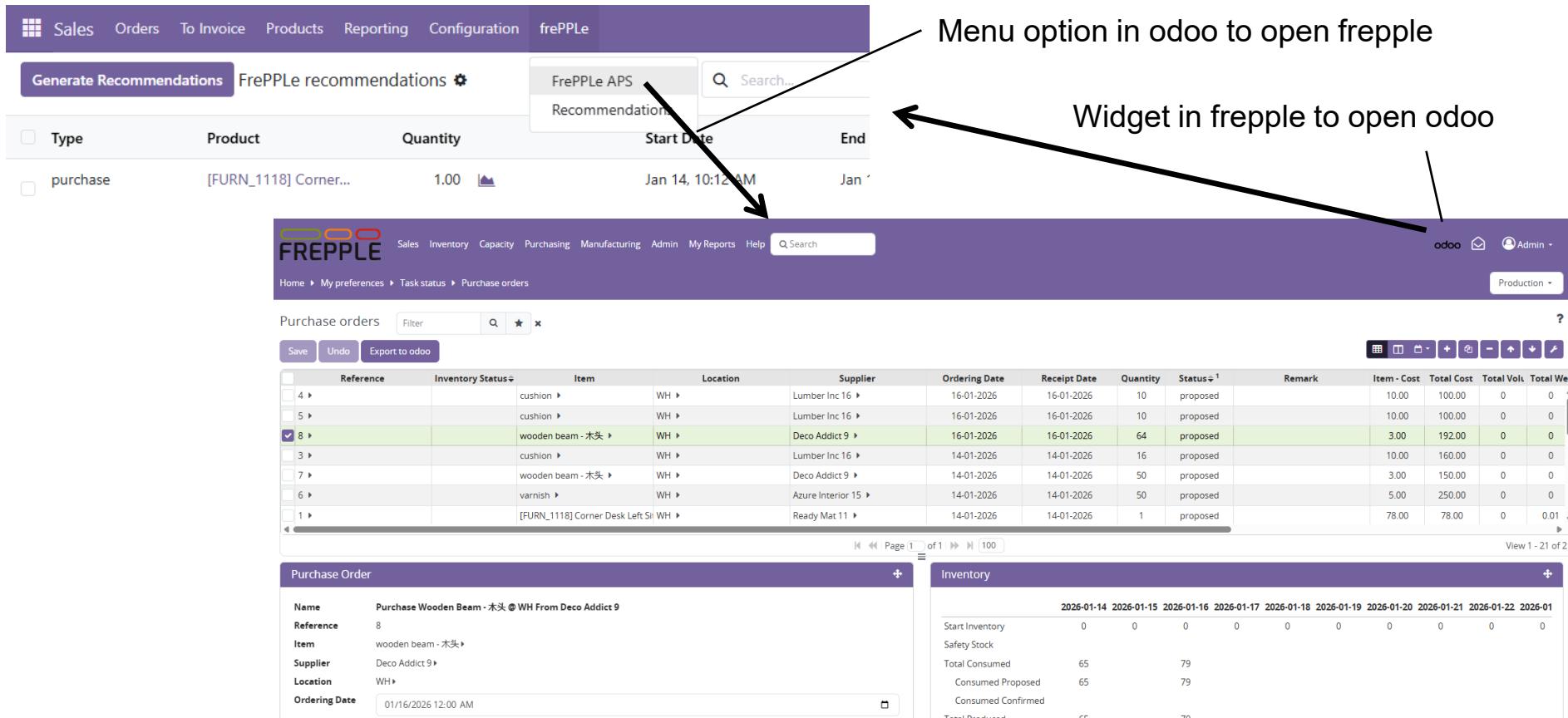
Before odoo 19:

- Integrated user interface with frepple as an iframe bottom panel within odoo
 - Confusing “double menu bar” in odoo

From odoo 19 onwards:

- Frepple opens in a separate browser tab
- Widget in frepple to open odoo
- Same single-signon

Why?
 ERP activities and APS (advanced planning and scheduling) analysis are very distinct business processes.
 Keeping the APS user interface dedicated for advanced plan analysis is more natural than trying to unify it in the ERP.



The screenshot illustrates the integration between Odoo 19 and Frepple. At the top, the Odoo menu bar includes Sales, Orders, To Invoice, Products, Reporting, Configuration, and frePPLe. A tooltip for the 'frePPLe' menu item shows 'FrePPLe APS Recommendations' and a search bar. Below the menu, a purchase order for a 'Corner Desk Left Side' is listed. Two arrows point from the text 'Menu option in odoo to open frepple' and 'Widget in frepple to open odoo' to the 'frePPLe' menu item and the Odoo interface respectively. The main content area shows a list of purchase orders with columns for Reference, Inventory Status, Item, Location, Supplier, Ordering Date, Receipt Date, Quantity, Status, Remark, and Item Cost. A detailed view of a purchase order for a wooden beam is shown at the bottom left, and an inventory report is visible at the bottom right.

2) Frepple recommendations in odoo

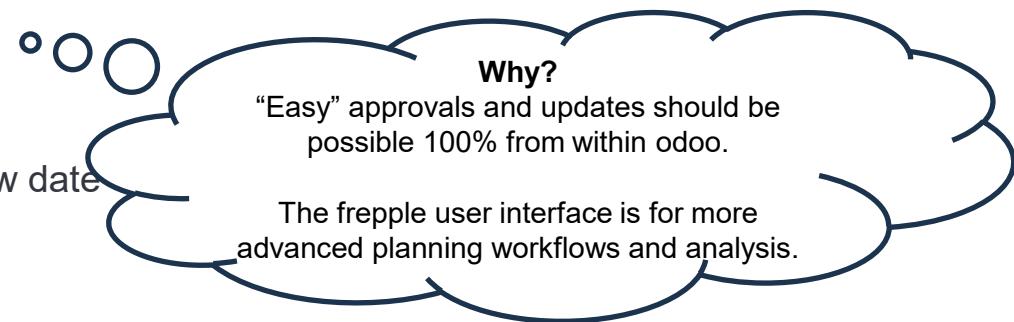
From odoo 19 onwards:

Frepple sends a list of ERP-relevant planning results as recommendations to odoo.

Reviewing and accepting these recommendations can be done completely from within odoo.

Current list of recommendations

- Purchase orders to be placed shortly
- Manufacturing orders to be created shortly
- Manufacturing orders to be rescheduled to a new date
- Sales order delays

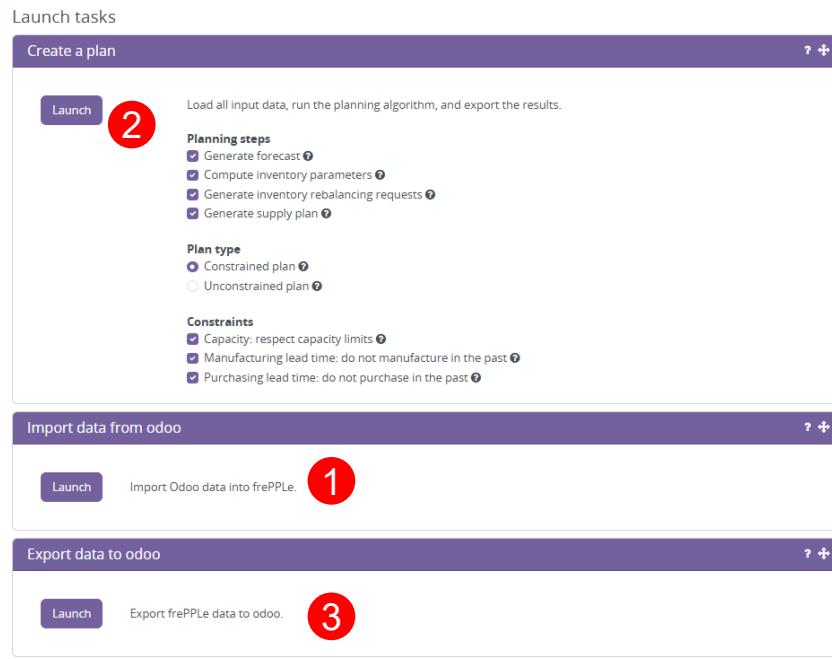


Generate Recommendations									FrePPLe recommendations	FrePPLe APS	Product contains chair	Search...	1-6 / 6	< >
Type	Product	Quantity	Start Date	End Date	Vendor	Sales Order	Sales Order Line	Manufacturing Order	Description					
<input type="checkbox"/> produce	chair	16.00	Jan 14, 12:07 PM	Jan 14, 5:07 PM					We recommend to ...	Create MO				
<input type="checkbox"/> produce	chair	2.00	Jan 16, 10:26 AM	Jan 16, 10:56 AM					We recommend to ...	Create MO				
<input type="checkbox"/> produce	chair	18.00	Jan 16, 2:42 PM	Jan 19, 10:12 AM					We recommend to ...	Create MO				
<input type="checkbox"/> produce	chair leg	65.00	Jan 14, 9:27 AM	Jan 14, 11:37 AM					We recommend to ...	Create MO				
<input type="checkbox"/> produce	chair leg	7.00	Jan 16, 10:12 AM	Jan 16, 10:26 AM					We recommend to ...	Create MO				
<input type="checkbox"/> produce	chair leg	72.00	Jan 16, 11:18 AM	Jan 16, 2:42 PM					We recommend to ...	Create MO				

3) Frepple plan generation

Before odoo 19:

- “Import from odoo” + “Create plan” + “Export to odoo” are separate tasks

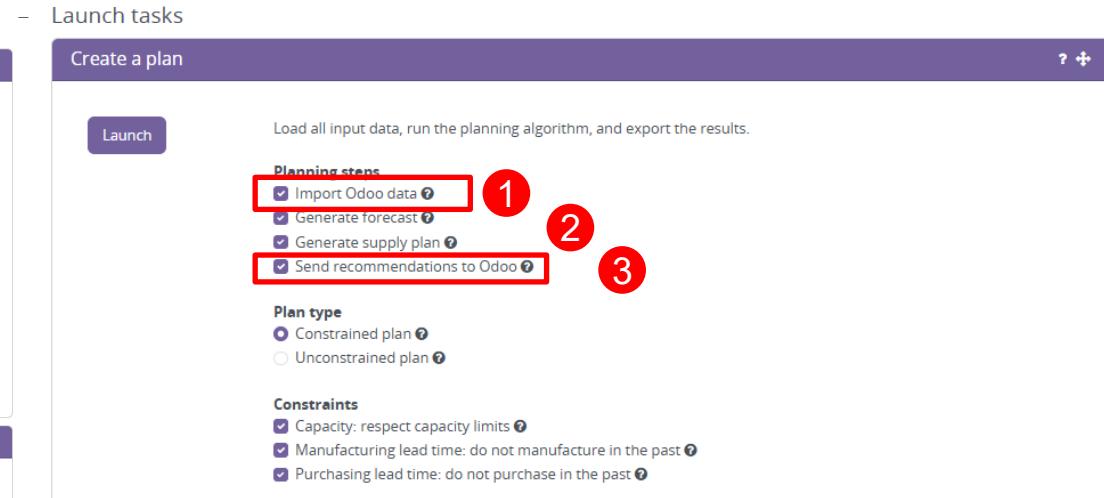


The screenshot shows the Frepple interface with three main sections:

- Import data from odoo**: Contains a “Launch” button and a note: “Import Odoo data into frePPLe.” A red circle labeled “1” is over the “Launch” button.
- Create a plan**: Contains a “Launch” button and a note: “Load all input data, run the planning algorithm, and export the results.” Under “Planning steps”, “Generate forecast” is checked. Under “Plan type”, “Constrained plan” is selected. Under “Constraints”, “Capacity: respect capacity limits”, “Manufacturing lead time: do not manufacture in the past”, and “Purchasing lead time: do not purchase in the past” are checked. A red circle labeled “2” is over the “Launch” button.
- Export data to odoo**: Contains a “Launch” button and a note: “Export frePPLe data to odoo.” A red circle labeled “3” is over the “Launch” button.

From odoo 19 onwards:

- You can run them as a single task.
- (Running as separate task is still possible)



The screenshot shows the Frepple interface with a single “Create a plan” section, which now includes integrated import and export functionality:

- Create a plan**: Contains a “Launch” button and a note: “Load all input data, run the planning algorithm, and export the results.” Under “Planning steps”, “Import Odoo data”, “Generate forecast”, “Generate supply plan”, and “Send recommendations to Odoo” are checked. Under “Plan type”, “Constrained plan” is selected. Under “Constraints”, “Capacity: respect capacity limits”, “Manufacturing lead time: do not manufacture in the past”, and “Purchasing lead time: do not purchase in the past” are checked. Red circles labeled “1”, “2”, and “3” point to the “Import Odoo data”, “Send recommendations to Odoo”, and “Launch” buttons respectively.
- Import data from odoo**: Shown below the main section.
- Export data to odoo**: Shown below the main section.

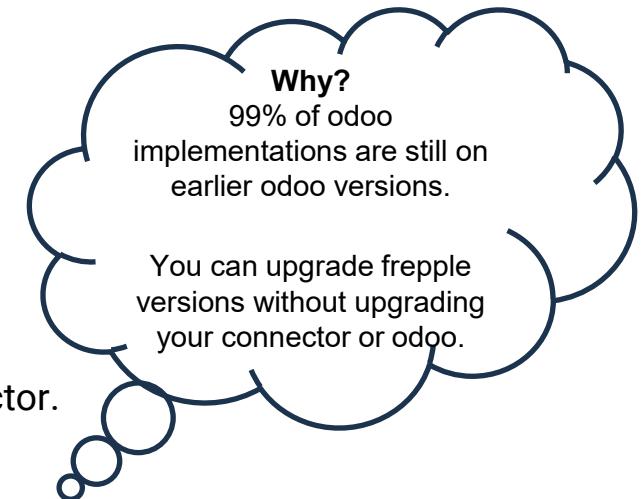
The vast majority of frepple users run them always in sequence.
It makes sense to always create a plan with the latest odoo data, isn't it?

Why?

You're not on odoo 19 yet?

How do these changes impact current users of the connector?

- New frepple releases remain compatible with the old-style connector. Odoo data in XML format will continue to be support.
- The changes on frepple side will also be available for people using the old-style connector. Eg link back to odoo, ability to run import & plan in a single step, etc
- The old-style way of approving proposals in frepple will continue to be supported. We don't force people to use the recommendations from within odoo.
- What you will NOT have are the changes on odoo side. Eg recommendations from frepple, opening of frepple in new tab.
- If the new change are stable and received well by users, the frepple team may bring the changes from odoo 19 also available on older versions of the odoo connector (except the xml format change)





TRY IT OUT?

An online demo is available:

<https://odoo19.frepple.com>