



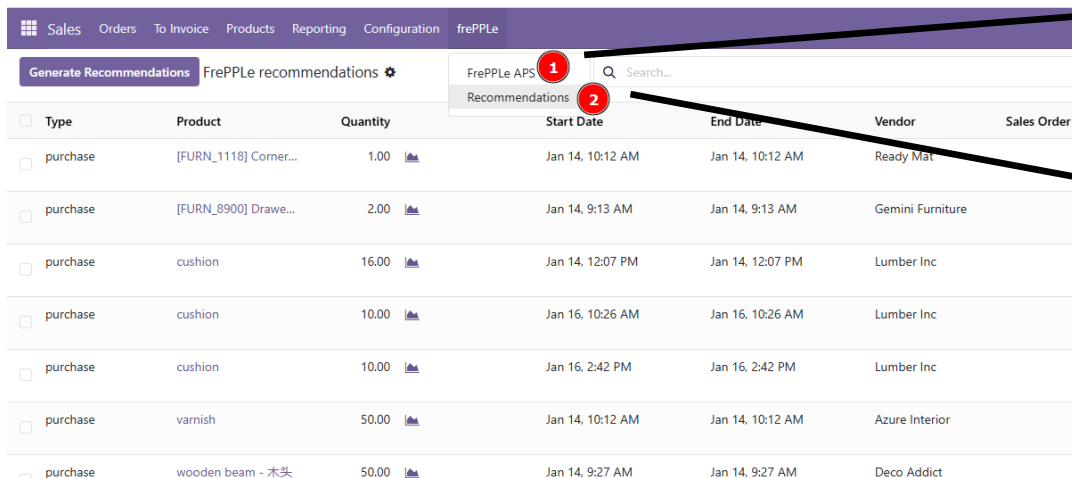
What changes in the
connector with odoo 19?

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

[illegible]

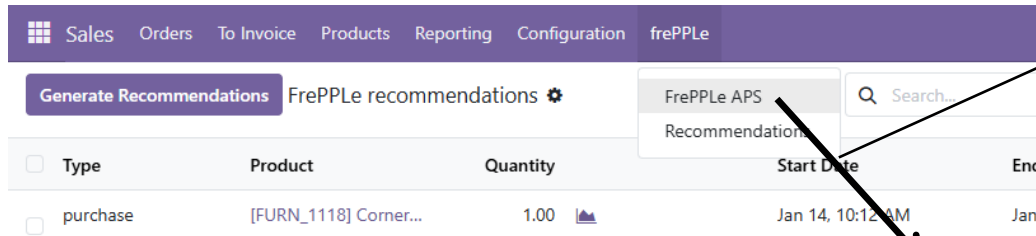
From odoo 19 onwards:

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

Why?

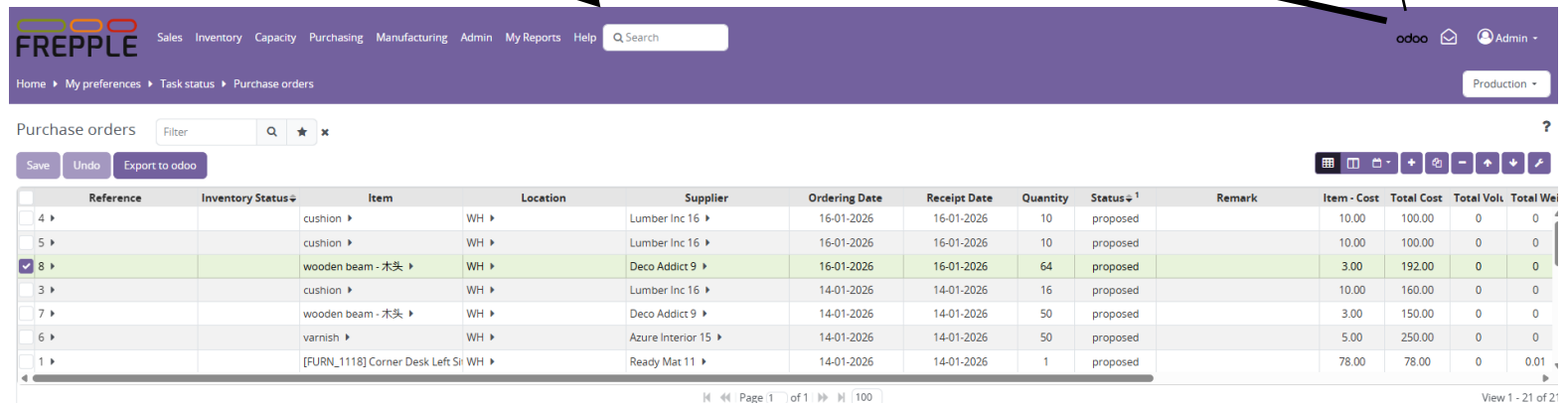
ERP activities and APS (advanced planning and scheduling) analysis are very distinct business processes.

Keeping the APS user interface dedicated for advanced plan analysis is more natural than trying to unifying it in the ERP.



Menu option in odoo to open frepple

Widget in frepple to open odoo



2) Frepple recommendations in odoo

From odoo 19 onwards:

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

Reviewin 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

Why?

“Easy” approvals and updates should be possible 100% from within odoo.

The frepple user interface is for more advanced planning workflows and analysis.

Sales Orders To Invoice Products Reporting Configuration frePPLe										
<div> <div>Generate Recommendations</div> <div>FrePPLe recommendations</div> <div> <div>FrePPLe APS</div> <div>Recommendations</div> </div> <div> <div>Product contains chair</div> <div>Search...</div> </div> </div> <div>1-6 / 6</div>										
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 ... Stock replenishment	Create MO
<input type="checkbox"/> produce	chair	2.00	Jan 16, 10:26 AM	Jan 16, 10:56 AM					We recommend to ... Stock replenishment	Create MO
<input type="checkbox"/> produce	chair	18.00	Jan 16, 2:42 PM	Jan 19, 10:12 AM					We recommend to ... Stock replenishment	Create MO
<input type="checkbox"/> produce	chair leg	65.00	Jan 14, 9:27 AM	Jan 14, 11:37 AM					We recommend to ... Stock replenishment	Create MO
<input type="checkbox"/> produce	chair leg	7.00	Jan 16, 10:12 AM	Jan 16, 10:26 AM					We recommend to ... Stock replenishment	Create MO
<input type="checkbox"/> produce	chair leg	72.00	Jan 16, 11:18 AM	Jan 16, 2:42 PM					We recommend to ... Stock replenishment	Create MO

3) Frepple plan generation

Before odoo 19:

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

From odoo 19 onwards:

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

Launch tasks

Create a plan

Launch

2

Load all input data, run the planning algorithm, and export the results.

Planning steps

☒ Generate forecast
 ☒ Compute inventory parameters
 ☒ Generate inventory rebalancing requests
 ☒ Generate supply plan

Plan type

☒ Constrained plan
 ☐ Unconstrained plan

Constraints

☒ Capacity: respect capacity limits
 ☒ Manufacturing lead time: do not manufacture in the past
 ☒ Purchasing lead time: do not purchase in the past

Import data from odoo

Launch

1

Import Odoo data into frePPLe.

Export data to odoo

Launch

3

Export frePPLe data to odoo.

Launch tasks

Create a plan

Launch

Load all input data, run the planning algorithm, and export the results.

Planning steps

☒ Import Odoo data
 ☒ Generate forecast
 ☒ Generate supply plan
 ☒ Send recommendations to Odoo

Plan type

☒ Constrained plan
 ☐ Unconstrained plan

Constraints

☒ Capacity: respect capacity limits
 ☒ Manufacturing lead time: do not manufacture in the past
 ☒ Purchasing lead time: do not purchase in the past

Import data from odoo

Import data from odoo

Export data to odoo

Export data to odoo

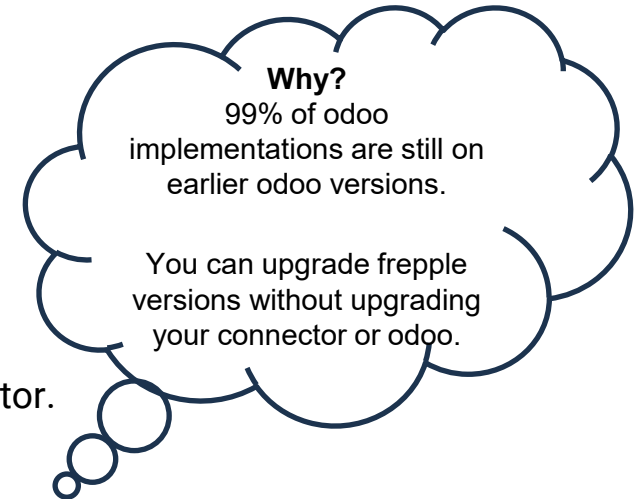
Why?

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?

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>