

Infor M3 Connect

Oldies but goldies

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Infor OS Portal & M3 Experience Designer

The screenshot displays the Infor OS Portal and M3 Experience Designer interface. The main dashboard includes several widgets:

- What's New:** September 2023 Production Update, Process Intelligence, M3 CE, Rhythm Portal, August 2023 Production Update, Coleman AI Platform, and another Process Intelligence widget.
- M3 Product Updates:** M3 Business Engine, Latest update (10 features), Feature review status (779), and Current product version (16.0.0.20230621154344.7).
- ION API Call Count:** A donut chart showing call counts for Infor to Non-Infor (0%), Non-Infor to Infor (2184, 100%), and Non-Infor to Non-Infor (0%).
- Messages by document:** A table showing message counts for various collection points like 'adjustratefactor' and 'biztan_copy_m'.
- ION API Traffic Over Time:** A line chart showing traffic for Total, M3, IDM, and IONSERVICES over the past 24 hours.
- ION API Client Traffic:** A bar chart showing client traffic for 'infor-Pwf-sv77M6-MUvvd...' and 'IONWorkflow-SLSGDENA04...'.
- ION API Performance:** A widget showing an average performance time of 207.96 ms over the past 30 days.
- Workflow Status:** A section with 'Started', 'Now Open', 'Stopped', and 'Completed' indicators.
- Messages by con:** A widget showing a total of 4,844,588 messages.

The right-hand side of the interface shows a detailed view of a 'Planned Purchase Order Workbench' for item 43C01010. It includes a table of planned purchase orders and a material plan table.

Buyer	Warehouse	Release date	Supplier	Supplier name	Item number	Name	Plan qty	Action message	Status	Planning date	Warning
GANDERSSON	001	230906	26-20912	James Galt Limited	26-88004	Hydraulic 46 new grade - BULK	1000	A1 - Rel, resched in	60	230911	98
GANDERSSON	001	230908	26-20912	James Galt Limited	26-88107	IBC - Empty, Flushings, Minera	900	A1 - Rel, resched in	00	230915	E
GANDERSSON	291	210128	43IT01000	CASINO - PLF IDF-Centre	43C01010	Glace 1L Adélie - Chocolat	432	A2 - Release order	20	210208	
GANDERSSON	D11	210315	49-1000	Schulze GmbH	49-902-0157	RM 02 QMS / Attribute	101,00	A1 - Rel, resched in	10	210322	

Planning date	Trans qty BU/M	Projected ohb	ATP cumulative	Order category	Status	Action message
200318	-24	1080	0	311 - Customer order	33	
200318	-48	1032	0	311 - Customer order	33	
200318	-96	936	0	311 - Customer order	33	
200703	-48	888	0	311 - Customer order	22	
200703	-96	792	0	311 - Customer order	22	
210207	432	1224	0	250 - Planned PO	20	A2 - Release order
210208	432	1656	0	250 - Planned PO	20	A2 - Release order
210708	432	2088	0	251 - Purchase order	1K	

Additional summary information for item 43C01010:

- Totals:** Item number 43C01010, Warehouse 291, Plan qty 1032, Number of Proposals 5.
- Planning Data:** On-hand approve 1104, Allocated qty 936, Safety stock 0, Lead time 7.
- Prices:** Table showing purchase price and normal price for various quantities.

Agenda

01

Custom Fields

- Using custom fields in Experience Designer

02

Search

- Tips & trix

03

Custom Lists

- Ways of using custom lists
- Export/Import between tenants

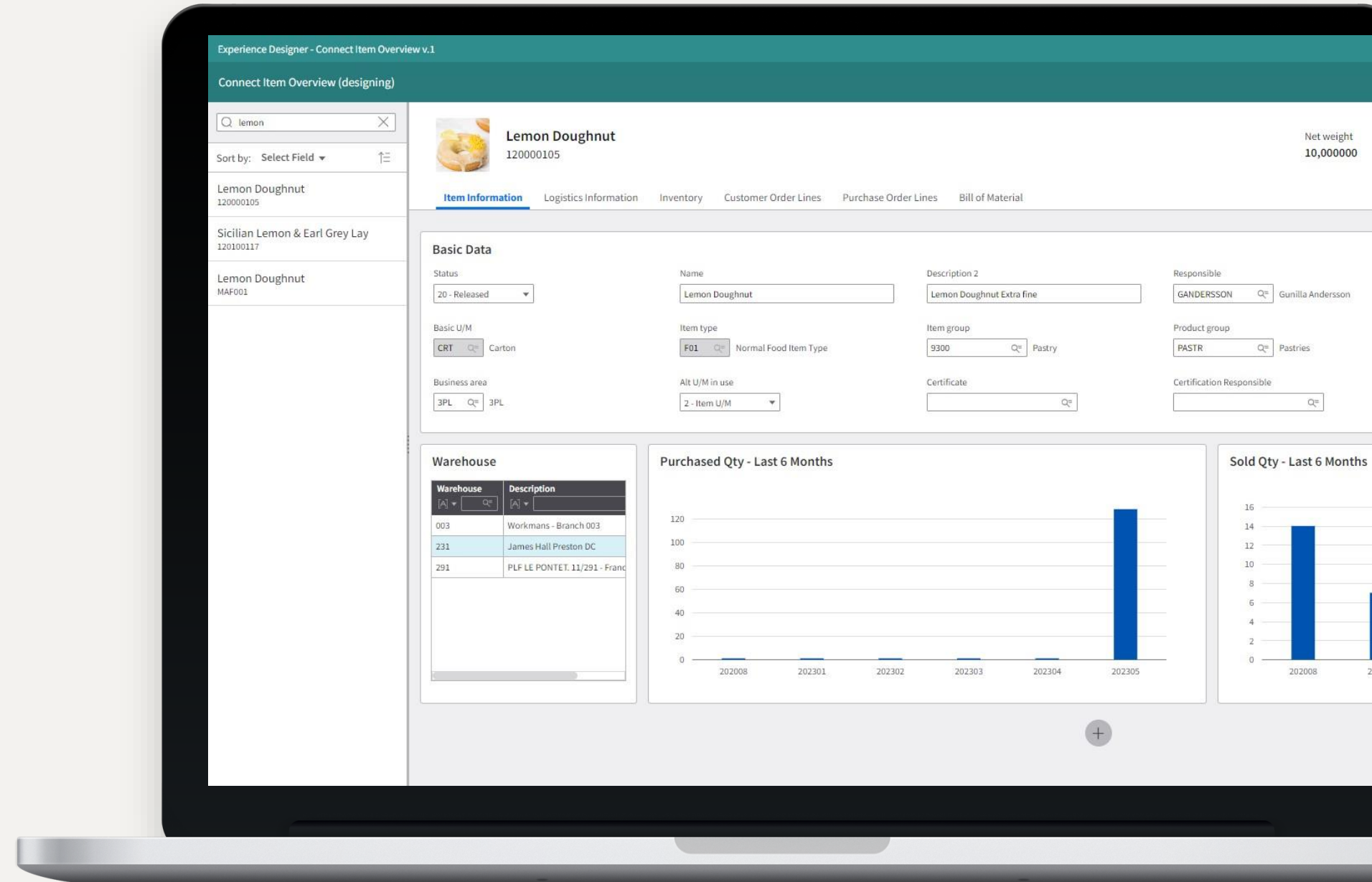
04

Smart Panel

- How to use M3 standard widgets in the smartpanel

Custom fields – Xtend M3

- Add custom fields to an Experience Designer application
 - Custom label
 - Change type
 - Connect browse
 - Value map from CMS081 via MDBREADMI
 - Custom list
 - Xtend M3 transaction



Infor M3 Connect

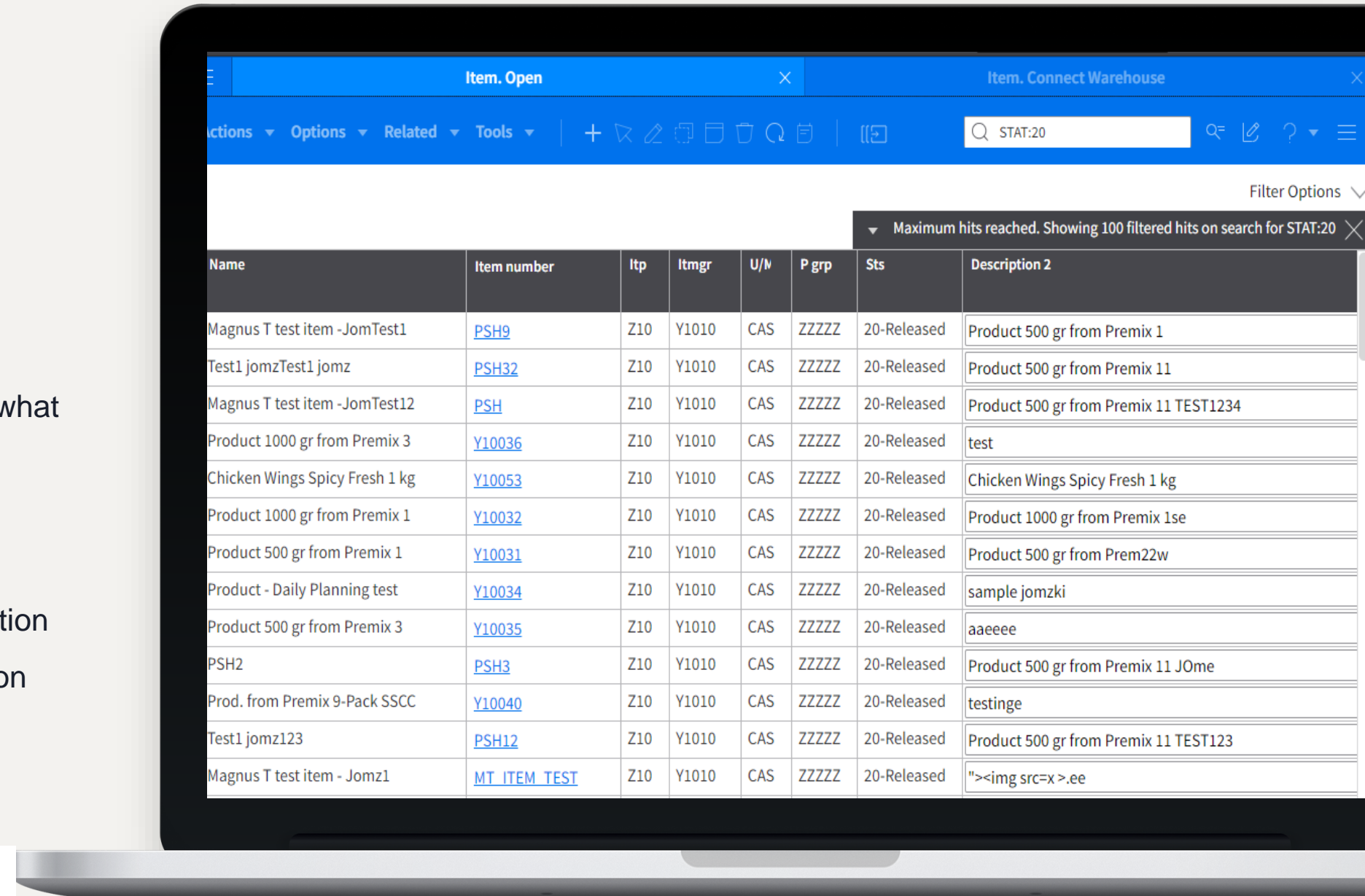
Search

Sorting

Search always sorts the result, not the used sorting order!!

- Default – Elastic search sorting (newest record ranks high)
- Can create a problem when hitting Max records – do not know what is there and what is not
- Keyword to control sorting - SortBy:xxxx,yyyy,!zzzz
- Best practice – Always include sorting when searching
- Tip: If aggregating make sure the sorting is identical to aggregation
- Tip2: Re-sort full table without need of user defined sorting option (Ux, Vx, Xx) – CONO:xxx SortBy:!STQT
- Tip3: Preset main sorting in CMS021

Sort-by field



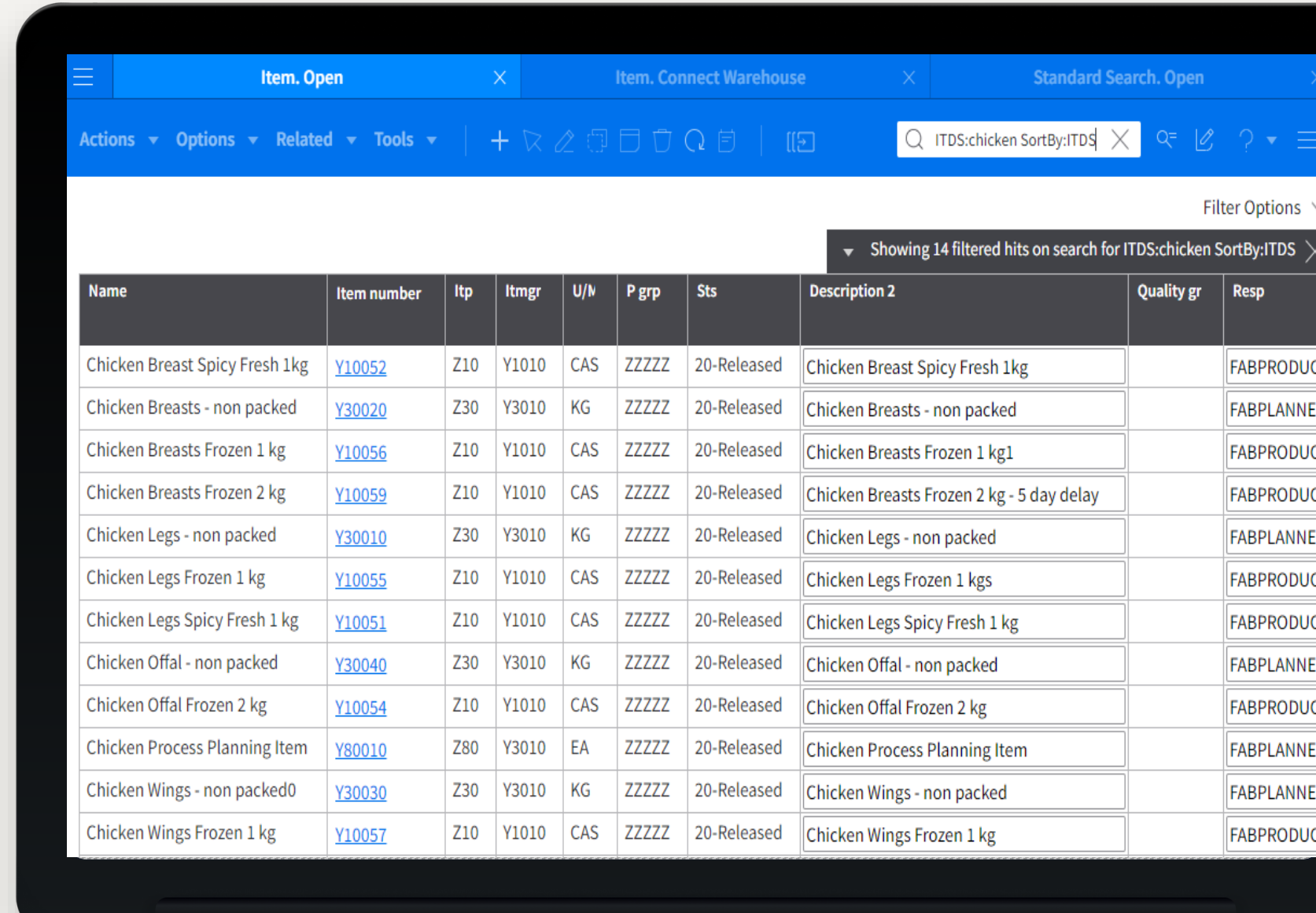
Performance

Always include field to be searched!!

- Like ITDS:chicken
- Eliminates risk for false hits by found term in other fields than planned
- Very important when using wildcards (*). High risk otherwise to get an error (Too many clauses)

Search across multiple fields with same term(s)

- SearchFields:xxxx;yyyy;zzzz
- Like query: magnus 500 SearchFields:ITDS;FUDS
- Search for the terms in all listed fields
- Used when unknown in which field each search term is found



Showing 2 filtered hits on search for magnus 500 SearchFields:ITDS;FUDS

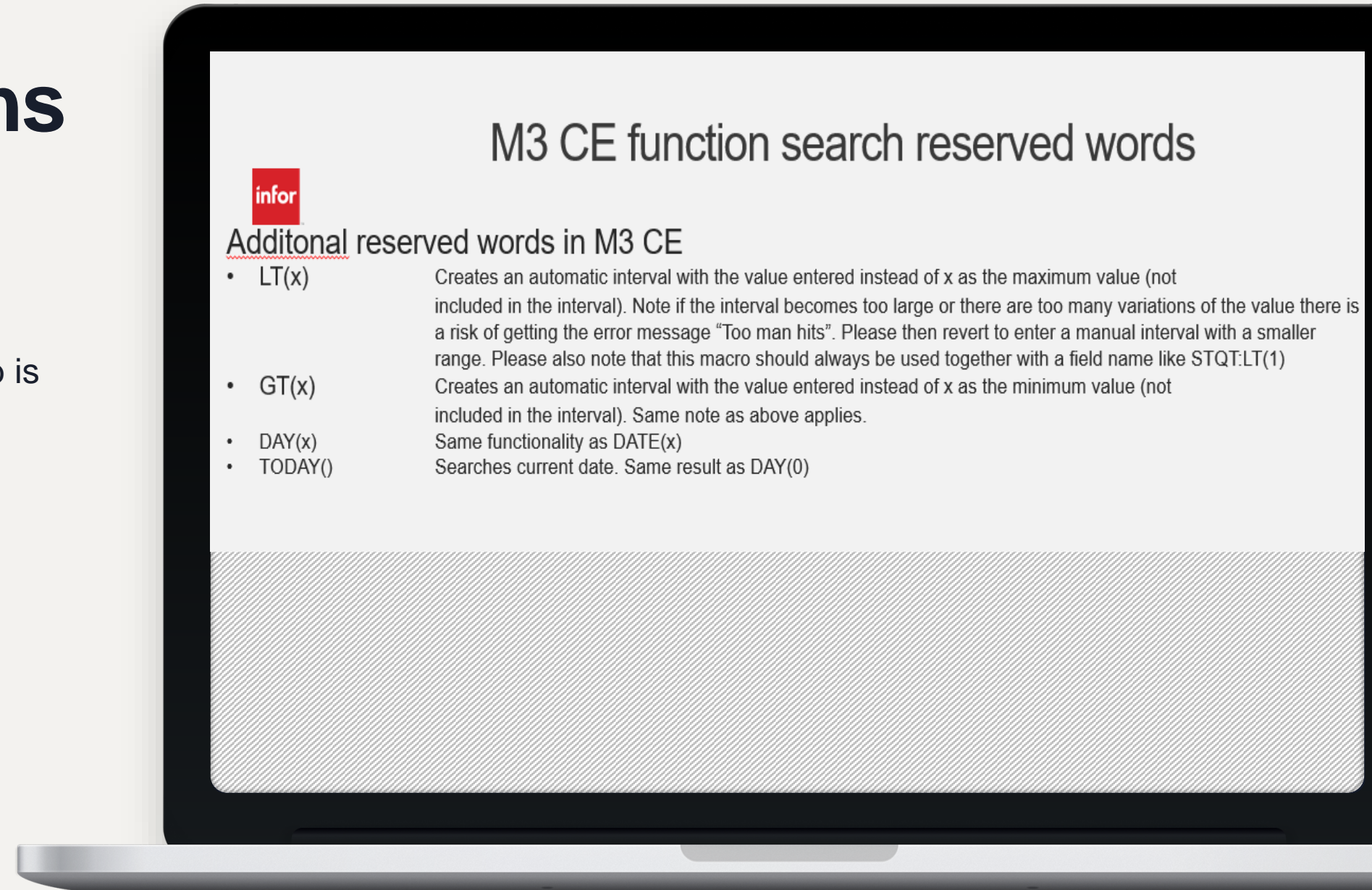
Name	Item number	ltp	ltmgr	U/W	P grp	Sts	Description 2	Quality gr	Resp
Magnus T test item -JomTest1	PSH9	Z10	Y1010	CAS	ZZZZZ	20-Released	Product 500 gr from Premix 1		FABPROD
Magnus T test item -JomTest12	PSH	Z10	Y1010	CAS	ZZZZZ	20-Released	Product 500 gr from Premix 11 TEST1234		FABPROD

M3 Function search

Some news (just 18 months old..)

These keywords work in both interactive and in APIs

Please subscribe to function search Kb ([KB 1687355.](#)). This Kb is regularly updated with new things!!



M3 Function search

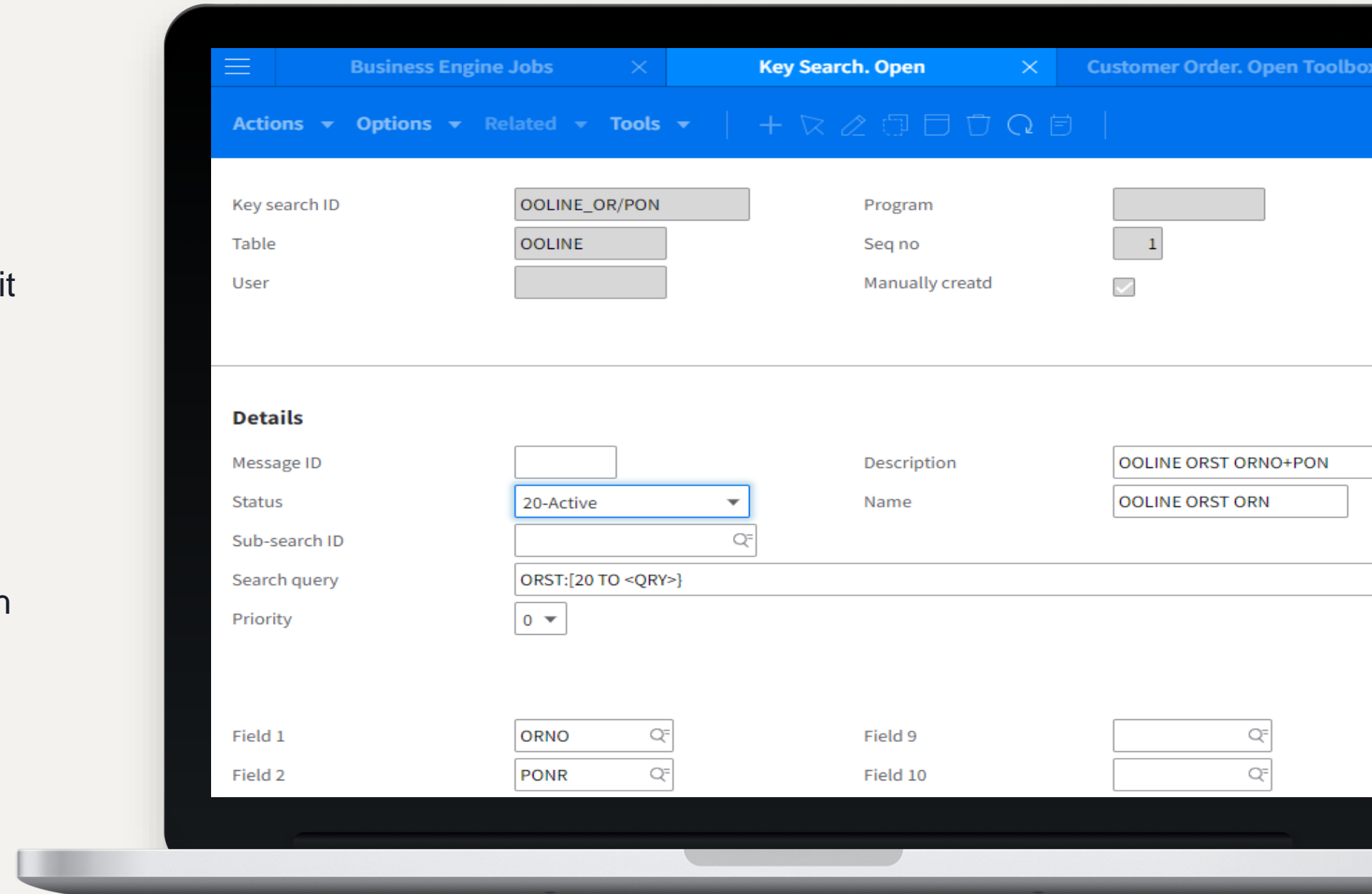
Key search

Key search allows search predefined search queries to make it simple for the end user.

Key search allows search in other tables than the main table

Key search is not dependent of matching Db indexes

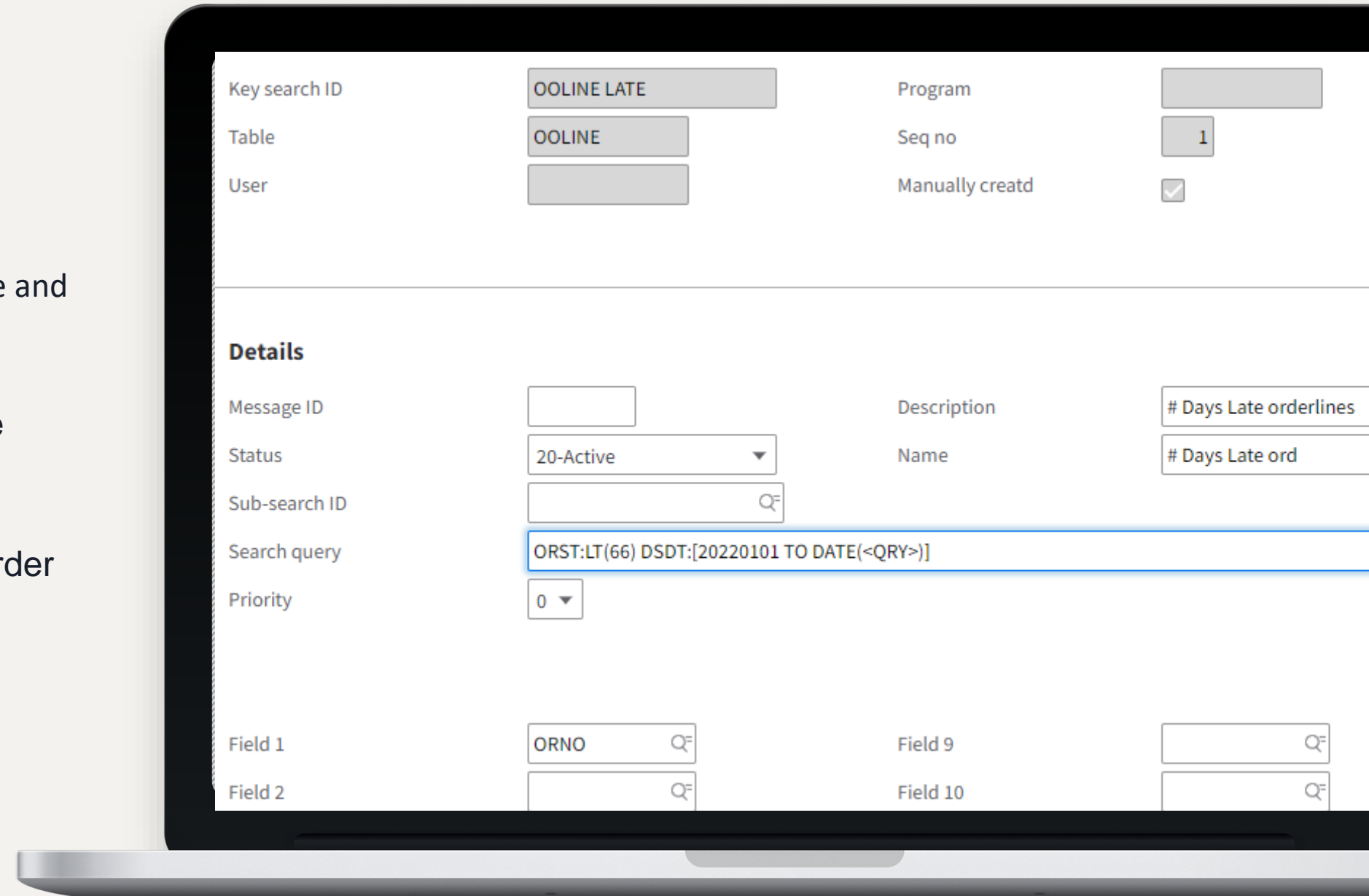
Best practice: Always use key search instead of related search



Key search – use case

CO headers where one or more lines have an overdue dispatch date and are not in status "Delivered" (66)

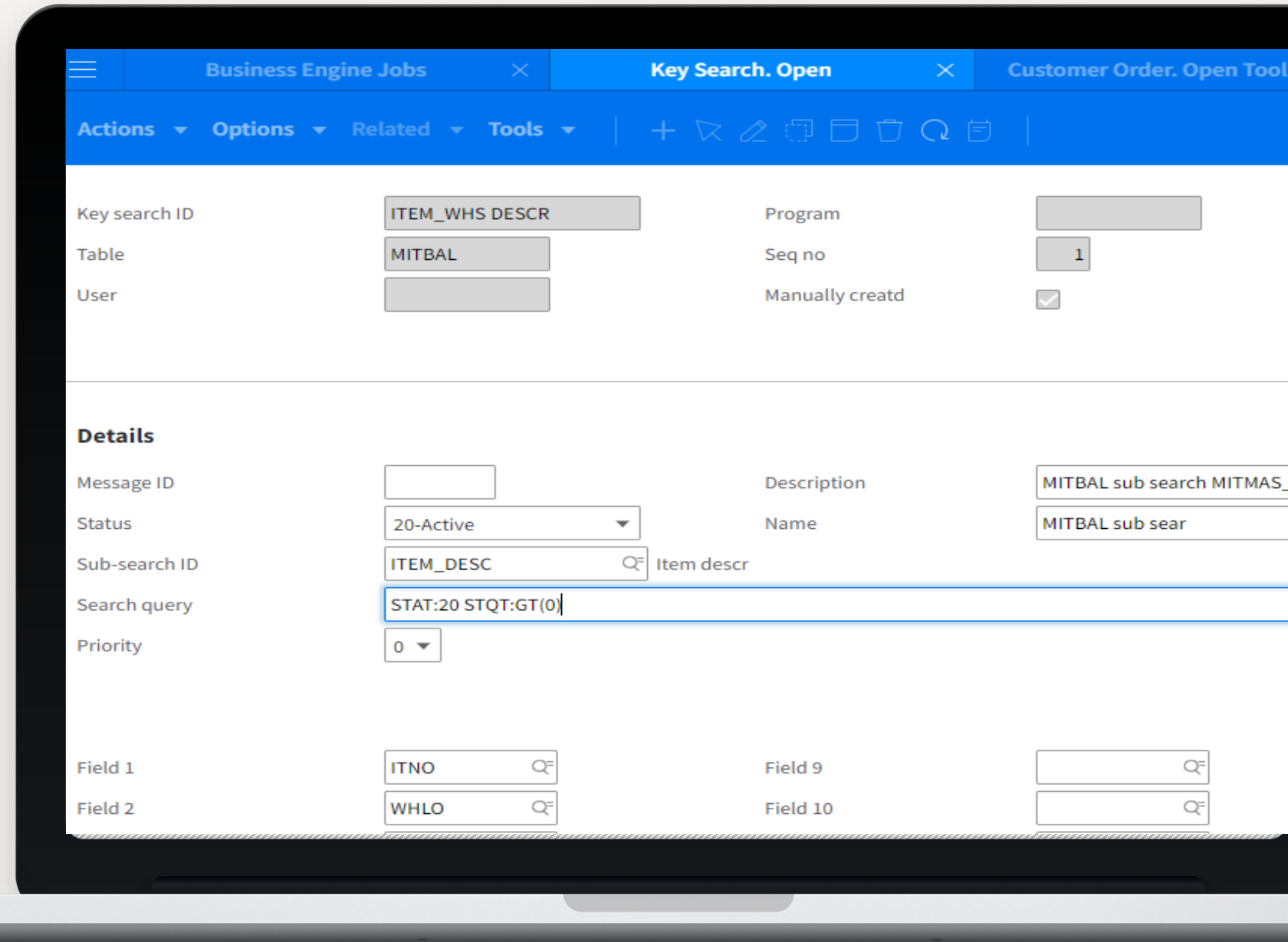
1. Add a key search on OOLINE with a pre-defined query like `ORST:LT(66) DSDT:[20220101 TO DATE(<QRY>)]`
2. Set Fields to only ORNO (key search generates a list of Order numbers)
3. Use in OIS300 or OOHEAD-based search APIs



Key search – use case 2

Item search on description displaying only lines with available stock in MITBAL

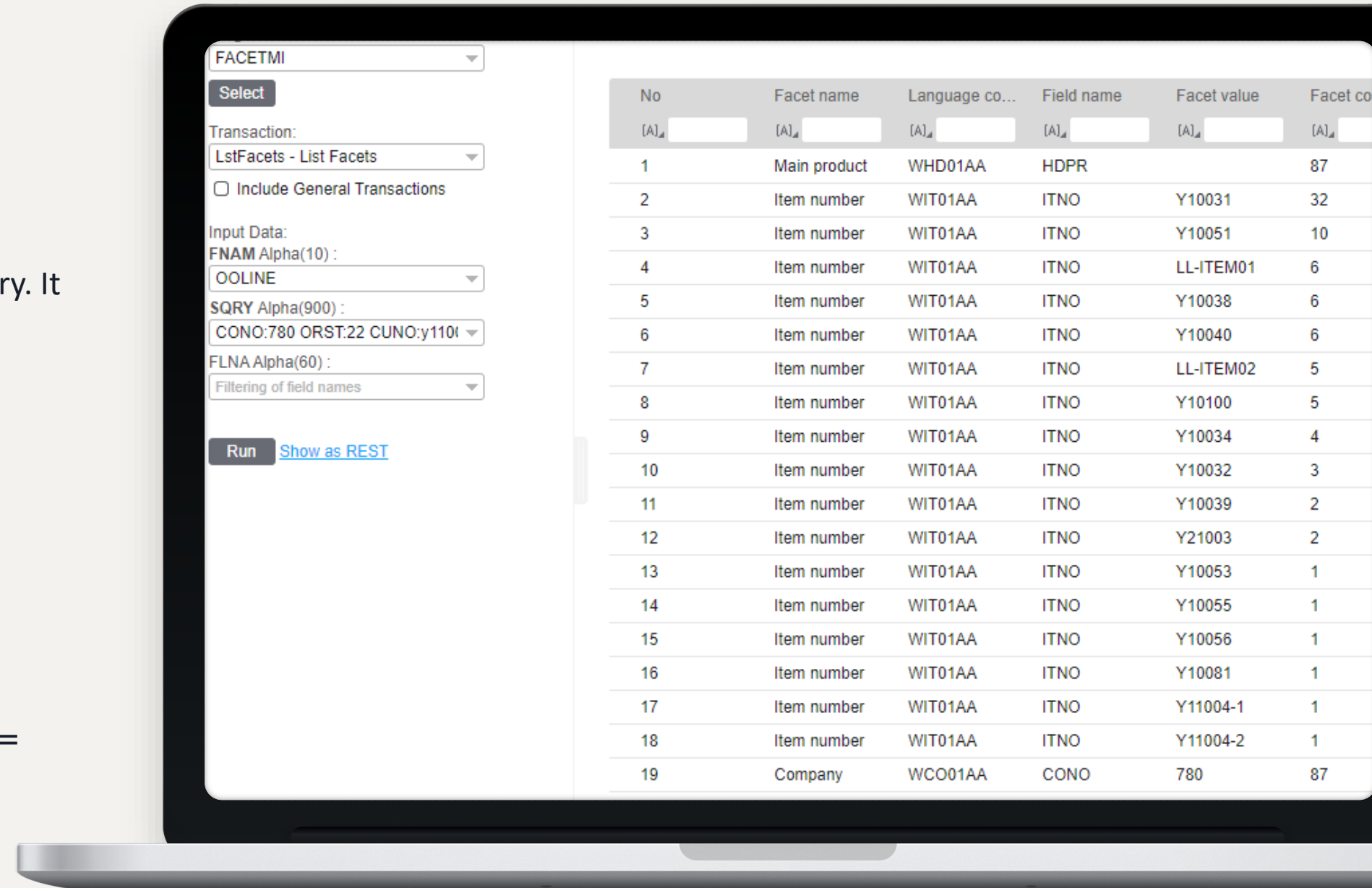
1. Add a key search on MITMAS and MITLAD with same ID.
Preset query like ITDS:<QRY>* OR FUDS:<QRY>* STAT:20
2. Add a key search on MITBAL with above ID as sub-search ID.
Preset query like STAT:20 STQT:GT(0)
3. Use in for instance MMS002 or MITBAL based API transactions
4. Note limitation. Key search returns max 2500 records from lower level. Search on the description must result in fewer hits than this. Possible solution Composite events and corresponding index.



Facets

Facets is a summary of values for selected db fields for entered query. It has many different usage

- Item search in web shops (in SalesHub or like left side in Amazon)
- Statistics including drill arounds by changing query
- Trouble shooting/Find what information to work with
- Tip: Quick way to see number of records in a table. Query = CONO:xxx Facet = CONO



Infor M3 Connect

Custom lists

Custom Lists – CMS010

- Aggregation
- Sub totals
- Virtual fields

Connect Item Overview

Search: lemon

Sort by: Select Field

Lemon Doughnut
120000105
Status: 20

Sicilian Lemon & Earl Grey Lay
120100117
Status: 20

Lemon Doughnut
MAF001
Status: 20

Net weight: 10,00
Gross weight: 1234,00
Status: 20 - Released

Item Information | **Logistics Information** | Inventory | Customer Order Lines | Purchase Order Lines | Bill of Material

Item Warehouse

Warehouse	Description	On-hand approve	Status	Text Exists	Text
003	Workmans - Branch 003	0	20 - Released	NO	A03
231	James Hall Preston DC	49997	20 - Released	NO	U31
239	Clayton Park Bakery - Bread	0	80 - Not carrd	NO	U33
291	PLF LE PONTET. 11/291 - France	90	20 - Released	NO	F11
301	PLF CESTAS - FR2/F21	200	20 - Released	NO	F21

Costing

Ordering cost: 0,00

Average cost: 0,0572

Cost price: 8,2576

Inv acc method: 0 - Zero cost

Alias Numbers

Alias category	Alias number	Alias qualifier
1 - Popular number	L3MON	
2 - EAN number	4434567010541	EA13 - EAN 13 digits
2 - EAN number	667896009012	UPC - UPC number
7 - Assortment	43CM01	
7 - Assortment	43MA01	
7 - Assortment	DF001	

Planning Parameters

Acquisition cd: 1 - Manufacturing

Supplier: 26-DD3PL 3PL Partner

Order type: GA1

Planning method: 0 - Manually

Responsible: GHORMACHUE Gladys Hormachuelos

Supplying whs: []

Plan horizon: 180

Planning policy: D1 MRP/DRP-Stocked Items

Stock Parameters

Safety stock: 201

Location: T0101

Allocation mtd: 2 - Auto with table

Ph invent cycle: []

Order multiple: 64

Insp location: QI

Issue method: 2 - Requisition

Ph invent date: 23/04/12

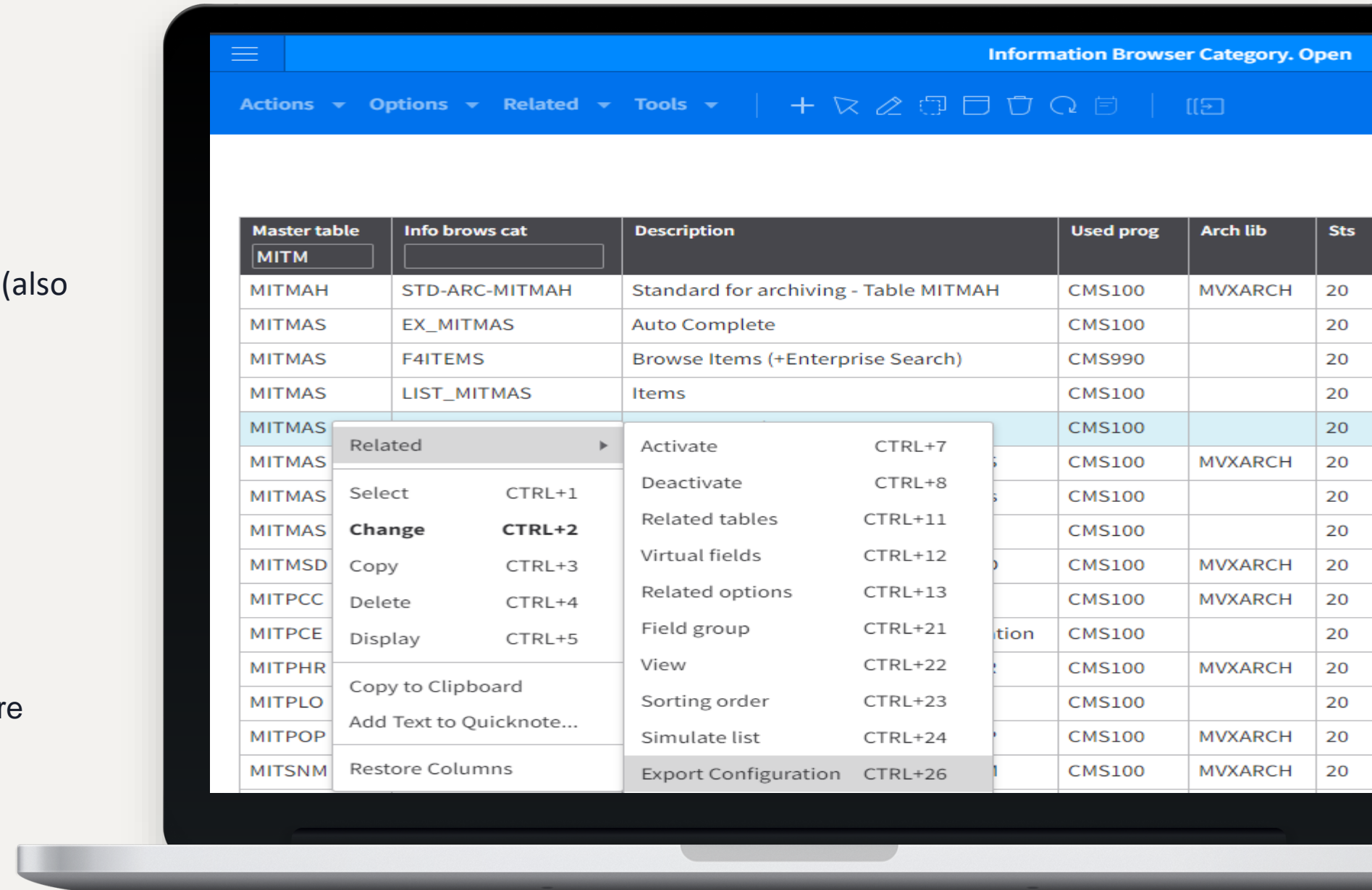
Item Image

https://m3cedevapp.m3.dev.inforcloudsuite.com/mne/ext/h5xi/#

CMS010

A few things to think about when exporting/importing Custom lists (also via ACM)

1. Remove all sorting orders that are not used
2. Remove all views that are not used
3. Avoid using User defined sorting options (Ux, Vx, Xx)
 - Note, if user defined sorting options are used they must be imported before the custom list. If already exist, validate they are identical in setup.



Infor M3 Connect

Infor OS Portal – Smart Panel

Smart Panel

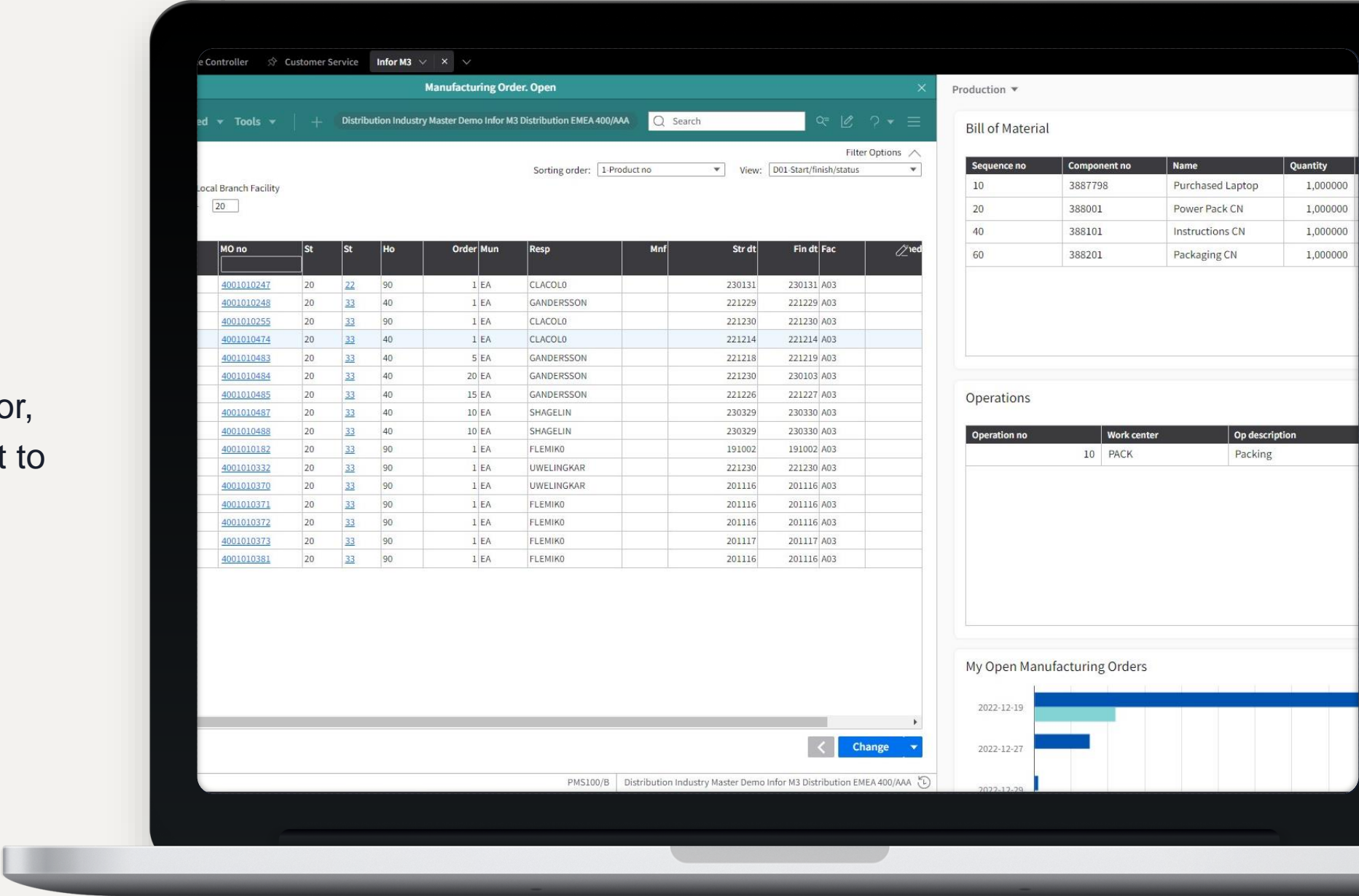
M3 widgets and Infor Business Context

Use the M3 standard widgets (information viewer, monitor, editor, creator) in the smart panel, use Infor Business Context as input to the widgets.

Input/Output Parameters

Input Output

Input	Name	Description	Value	User input	Entity Type	Mandatory	Type
<input checked="" type="checkbox"/>	FACI	Facility	{FACI}	<input type="checkbox"/>		YES	String
<input checked="" type="checkbox"/>	PRNO	Product	{InforProduct}	<input type="checkbox"/>	InforProduct	YES	String
<input checked="" type="checkbox"/>	MFNO	MO number	{InforProductionOrder}	<input type="checkbox"/>	InforProductionOrder	YES	String



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