

# Infor M3 Extensibility i verkligheten

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June 2022



# Introduction and Background

## ICS Extensibility Team



### Self Service

The capabilities in the CloudSuite for self-service of the technical environment



### Data Retrieval

The available capabilities for data retrieval and user personalizations



### Create & Edit Data

Possible solutions for creating and editing data from the technical platform



### ION Datalake Access

The different tools and method to access the Datalake



### H5 SDK

Description of the development tool H5 SDK



### Mongoose XtendM3

(PaaS)  
Add Applications in Cloud Infrastructure



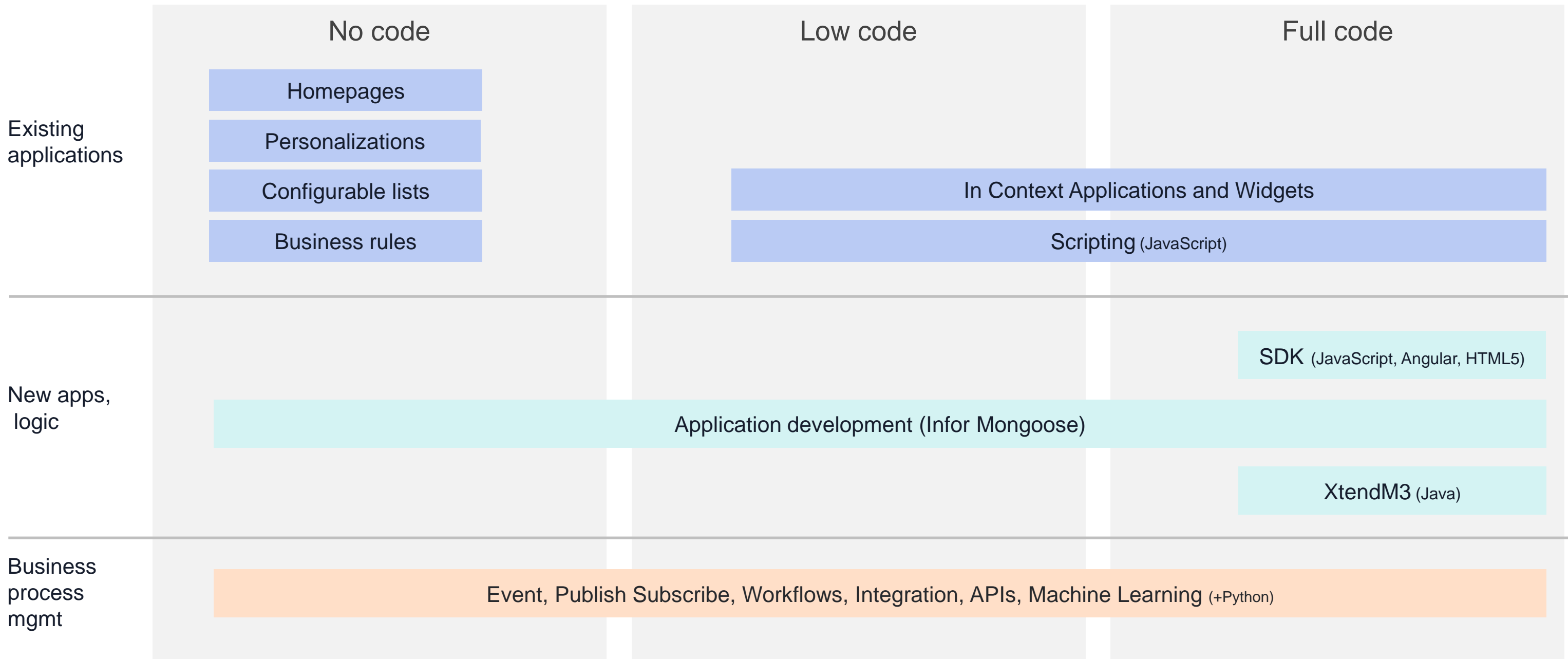
Infor M3

Extensibility White Paper

- M3 CE

Delivery

# M3 CE Extensibility tools



# Agenda | outline

**01**

**In-Context Widgets  
Challenge 1**

**02**

**Punchout  
Challenge 2**

**03**

**Supplier Cutoff time  
Challenge 3**

**04**

**Summary and  
Questions**

# Why In-context?

## Business Challenges:

- Corresponding functionality in M3 5.2 (in current sales- and work order portal)
- Stock widgets: Supply chain visibility for sales personnel to give to customer/workshop planning
- Customer machines: correct part to the customer
- Related items: alternative items for customer demand

# In-context in Sales Hub

Items  + Punchout + ADD ECI

Norrköping  Extended Search

Refine Search

General

Supplier

Items (1) Group

Name / Item Number	Stock	RRP	Quantity	Unit
<a href="#">SOLENOID</a> V81077300	0,0	1400,00/ST	<input type="text" value="1,0"/>	ST

Page 1 of 1 10 Records per page

Related Information

External Stock Information

(V81077300)  
AGCO INTERNATIONAL GMBH (MERCHANDISE)

Sweden 4

Finland 1

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CW\_Balance

SOLENOID  
V81077300 3.0

Customer Machines

Serial number: DEMO\_001  
Description: FENDT 724 VARIO S4

Supplier Stock

DC Stock

Customer Machines

Order 22097\_0069 DEMO DEMO Customer Daniel Lindblad

MY BASKET SEK (0 Item) RETURN HOME

Items V81077300

Norrköping

Name / Item Number	Stock	RRP	Quantity	Unit
SOLENOID V81077300	0,0	1400,00/ST	1,0	ST

Page 1 of 1

10 Records per page

Related Information

External Stock Information

(V81077300)  
AGCO INTERNATIONAL GMBH (MERCHANDISE)

Sweden 4

Finland 1

CW\_Balance

SOLENOID V81077300 3.0

Customer Machines

Serial number: DEMO\_001  
Description: FENDT 724 VARIO S4

Homepage Widget SDK

2 - ION API Suite

3 - SOAP request

1 - Infor business context

# Why Punchout?

## Business Challenges:

- New functionality – time savings
- Spare parts catalogue search is central for our business (E.g. AGCO punch-out – 170 000 lines a year)



# Punch-out from Sales Hub to OEM

Search results for 'S.1296' showing 24 items. The first three items are:

Name / Item Number	Stock	RRP	Quantity
BRÄNSLEFILTER 7111-296 S.1296	100,0	43,00/ST	1,0
SPÄRKULLAGER 6007-2RS NTN SNR S.129603	0,0	176,00/ST	1,0
SPÄRKULLAGER 6201-2RS NTN S.129623	0,0	78,00/ST	1,0

Technical drawing of a filter assembly with a corresponding parts list table:

Item	Part Number	Qty	Description	Unit
1	H218PH0520060	1	FILTER FILTEREINSATZ-VORDERACHSE	ST
2	ACR013320	1	FILTER ELEMENT	ST
3	H218PH1300014	1	FILTER ELEMENT	ST
4	F32020062010	1	FILTER ELEMENT	ST
5	H03200720300	1	FILTER ELEMENT	ST
6	ACR013320	1	FILTER ELEMENT	ST
7	H03001100013	1	FILTER ELEMENT	ST
8	ALP0120000	1	FILTER ELEMENT	ST
9	H03001100013	1	FILTER ELEMENT	ST
10	F32100000000	1	FILTER ELEMENT	ST
11	H03001100013	1	FILTER ELEMENT	ST
12	H03001100013	1	FILTER ELEMENT	ST
13	H03001100013	1	FILTER ELEMENT	ST
14	H03001100013	1	FILTER ELEMENT	ST
15	H03001100013	1	FILTER ELEMENT	ST

Product Number	Description	Quantity	Ready in Sales Hub
H218PH0520060	FILTER FILTEREINSATZ-VORDERACHSE	1	✓

### Supply Model

View all options  1 ST

Description	Delivery Date	Available	Quantity	Supply Information	Price	Ext. Charge	Int. Charge
Via Norköping / Supplied from Centrallager (Malmö)	2022-02-17	Lev saldo		DO1	646,42	0	0
Via Norköping / Supplied from Centrallager (Malmö)	2022-02-18	Lev saldo	1,0	DO2	646,42	0	0
Via Norköping / Supplied from Centrallager (Malmö)	2022-02-22	1,0		DO3	646,42	0	0
Via Norköping / Supplied from Centrallager (Malmö)	2022-02-17	Lev saldo		DO9	646,42	0	0

CANCEL SUBMIT

688,34 SEK (2 Items) Item H218PH0520060 added  
Quantity: 1,0 ST  
Delivery date: 2022-02-18

+ Punchout

Order Summary

Item	Description	Quantity	Price	Discount	Total	Estimated Delivery	Delivery Method
BRÄNSLEFILTER 7111-296		1,0 ST	43,00	2,51%	41,52	2022-02-16	Maritime
FILTER		1,0 ST	646,42	2,51%	635,44	2022-02-18	Maritime
TOTAL					676,96		

# Punch-out from M3 to OEM

CRS208 Full-screen Entry - List. Open

Actions Options Related Tools

CO no: 0070200345 Warehouse: 530

Customer: 34560 ROKA AB

Req delivery dt: 22/02/16

Address no: [ ]

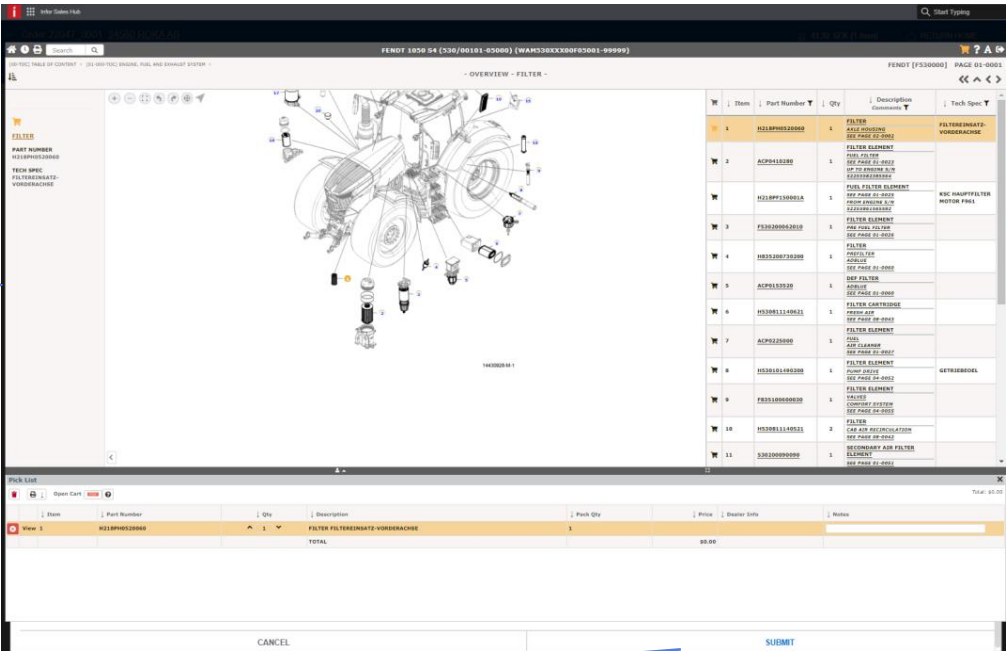
Alias number: [ ]

Product: [ ] Serial number: [ ]

Select option: 1-All

Punchout

Item number	Order qty	U/M	U/M	Name



Product Number	Description	Quantity	Exist in MMS001
H218PH0520060	FILTER FILTEREINSATZ-VORDERACHSE	1	✓

CO no: 0070200345 Warehouse: 530

Customer: 34560 ROKA AB

Req delivery dt: 22/02/16

Address no: [ ]

Alias number: [ ]

Product: [ ] Serial number: [ ]

Select option: 1-All

Apply

Item number	Order qty	U/M	U/M	Name
H218PH0520060	1			

Supply model: R001 Parts-Order

Order number: 0070200345 Order category: 311-Customer order

Customer: 34560 ROKA AB

Deliv customer: 34560 ROKA AB

Address no: 100

Item number: H218PH0520060 FILTER

Warehouse: 530 Line type: 0-Normal ord line

Order qty BU/M: 1,0 ST Req delivery dt: 22/02/16

Alt	Description	Dep dt	CRldt	Quantity	Avail qty	Dmt	Condition	Description
32	Via 530 Norrköping	220217	220217		1000000000			DO1
	Whs 010 Centrallager (Malmö)	220216	220217					DO1
34	Via 530 Norrköping	220218	220218	1,0	1000000000			DO2
	Whs 010 Centrallager (Malmö)	220217	220218					DO2
36	Via 530 Norrköping	220224	220224		1000000000			DO3
	Whs 010 Centrallager (Malmö)	220223	220224					DO3
38	Via 530 Norrköping	220217	220217		1000000000			DO9
	Whs 010 Centrallager (Malmö)	220216	220217					DO9

Customer: 34560 ROKA AB

CO no: 0070200345 CO type: R10 Sales Hub

Lowest status: 22-Reserved Customer stop: 0-Not blocked

Highest status: 22-Reserved CO stop: 0-No stop

Input alt pnl B: 1-Whs, ltp\_pos Full-screen opt: 1-List (CRS208)

Order Lines

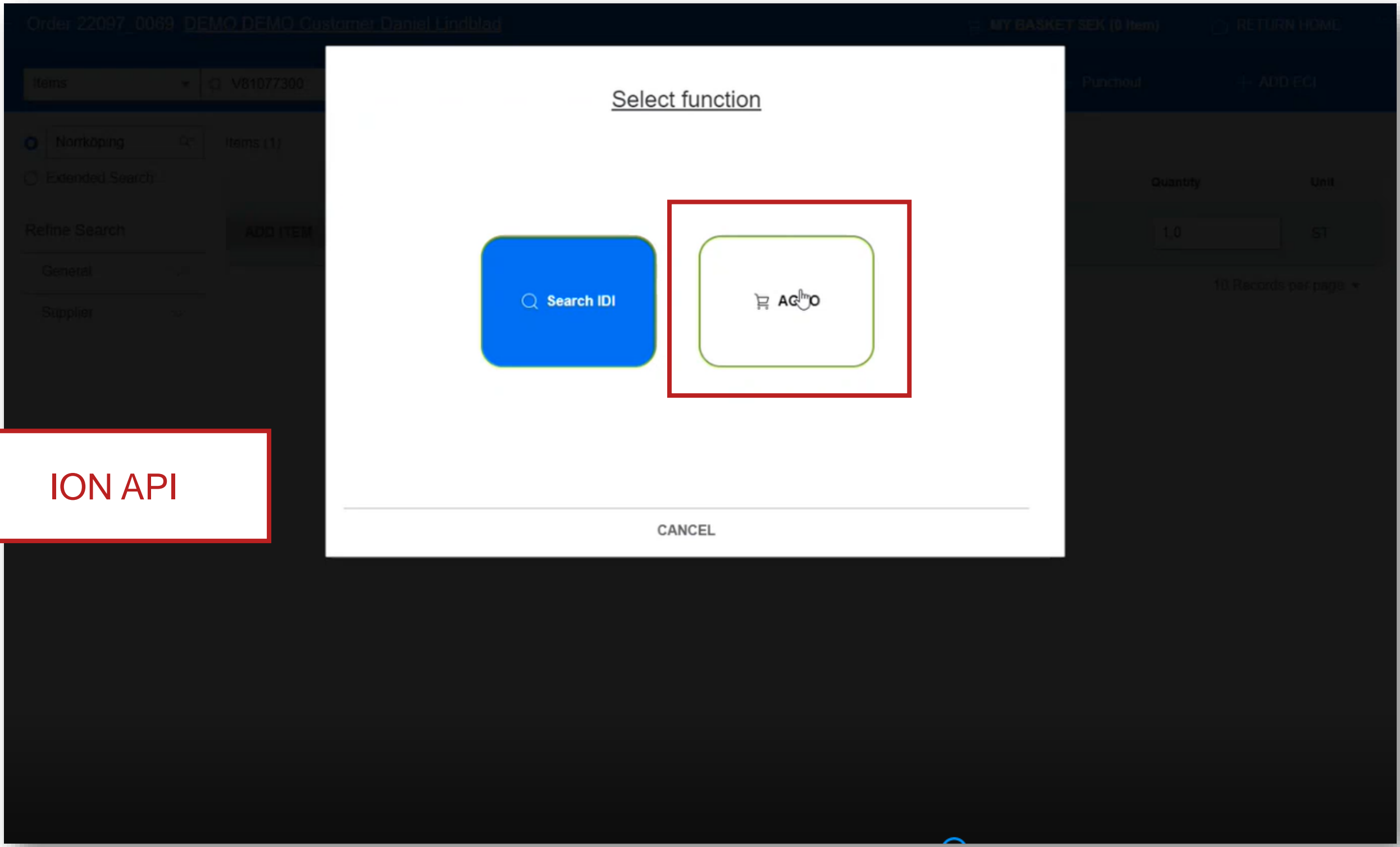
Line	SF	L	Item number	Name	Order qty	HI	U/M	Whs	Sales price	Disc	Line amt	Avail inv	Locat
1		1	H218PH0520060	FILTER	1,0	22	ST	530	663,00	2,50	646,42	2,0-	

Order category: 311-Customer order

Order line: 0070200345

Apply

Lev	Oct	Roc	Ref order	Ref ol	SF	Fac	Whs	Sts	Pl dt	Order qty	Del qty BU	Dmt	Resp	Consignee
1-	Distribution O...	5	0000103				CL1	010	20	220217	1,0	0,0	HB	M530
	Customer Order	3	0070200345	1			530	530	Reserved	220218	1,0	0,0	H	X_DANLIN00



ION API

Infor Sales Hub

Order: 23097-0069 DEMO DEMO Customer: Daniel Lindblad

FENDT 1050 S4 (530/00101-05000) (WAM530XXX00F05001-999...)

MY BASKET (28K 10 Items)

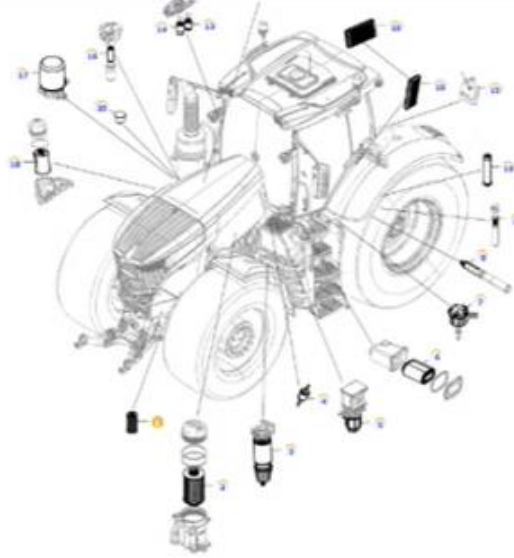
SEARCH

[00-TOC] TABLE OF CONTENT [01-000-TOC] ENGINE, FUEL AND EXHAUST SYSTEM

FENDT [F530000] PAGE 01-0001

- OVERVIEW - FILTER -

Integrated iframe



Item	Part Number	Qty	Description	Comments
1	H218PH0520060	1	FILTER AXLE HOUSING	SEE PAGE 02-0002
2	ACP0410280	1	FILTER ELEMENT FUEL FILTER	SEE PAGE 01-0023 UP TO ENGINE S/N 52255582385564
	H218PF150001A	1	FUEL FILTER ELEMENT	SEE PAGE 01-0025 FROM ENGINE S/N 52255582385564
3	F530200062010	1	FILTER PRE FILTER	SEE PAGE 01-0025
4	H835200730200	1	FILTER PREFILTER	ADBLUE SEE PAGE 01-0060
5	ACP0153520	1	DEF FILTER	ADBLUE SEE PAGE 01-0060
6	H530811140621	1	FILTER CARTRIDGE	FRESH AIR SEE PAGE 08-0043
7	ACP0225000	1	FILTER ELEMENT	FUEL AIR CLEANER SEE PAGE 01-0027

ION API

REST API

Pick List

Open Cart

Item	Part Number	Qty	Description	Pack Qty	Price	Dealer Info	Notes
View 1	H218PH0520060	1	FILTER FILTEREINSATZ-VORDERACHSE	1			
TOTAL					\$0.00		

CANCEL

SUBMIT

Infor Sales Hub

Order 23097\_0069 DEMO DEMO Customer Daniel Lindblad

MY BASKET SEK (0 Item) RETURN HTML

Items

Nonmapping Extended Search Refine Search General Supplier

ADD ECU

Product Number	Description	Quantity	Ready in Sales Hub
H218PH0520060	FILTER FILTEREINSATZ-VORDERACHSE	1	✓

CANCEL SUBMIT

10 Records per page

# Why Supplier Cutoff time?

Business Challenges:

- Held today in list outside of M3
- Supply chain visibility for sales personnel to give to customer/workshop planning

# Supplier cutoff time

- We need to get a correct confirmed delivery date when placing orders in M3.
- If we place a PO after 14.30 it does not make the last delivery of the day from the supplier. Its one more day extra lead time. M3 standard does not support this scenario so we needed to find a solution.
- Lantmännen Maskin, Infor Global Professional Services and Infor Product Development designed a solution together.
- M3 standard, Enhancement Requests in combination with Extensibility developed in the project solved this challenge.
- Advanced Supply Model, Order Classes, Priority and Lead times.





# Development done in project

- Extend M3 table to hold the cutoff time and extra lead time (EXTTLE).
- Extend M3 Api that work with the new table. (EXT010MI)
- Script in PPS010 that use EXT010MI and update the data in EXTTLE.
- Extend M3 Script in MMS989 than override the total lead time.

# Summary and Questions

Extensibility white paper KB 1858460 [Infor M3 Extensibility White paper](#)

# Real-time value at work

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