

BEAS MANUFACTURING

2021.11 RELEASE NOTES

NOV 2021

2021.11 Highlights

Production

- Create Intermediate report in WebApp WO Stop
- Journal of entries: 2 new columns to display Receipt/Issue per line containing the real qty for batches/serials inside the document line
- Loading images in Product Configurator improvement
- Goods Receipt window: Pricing field is made invisible if type is "Production"

WebApps

- WebApp "Inventory Counting list": better bar code support

Usability

- Purchase order: Opening & closing remarks now support RTF in 64bit environment.
- New internal web browser
- Precalculation: Tool is not inserted under the selected operation

B1UP Integration

- B1UP usability extension Universal function Conversion
- Beas Usability Extension "Block event" is considered over validation

Data Integration Hub

- Routing position has new field "Resource allocation".

BeasScript

- Possibility to create Catalog Numbers.

WMS integration

- Beas-WMS Database Check Tool

General

- Configuration wizard: English Language revision

Production

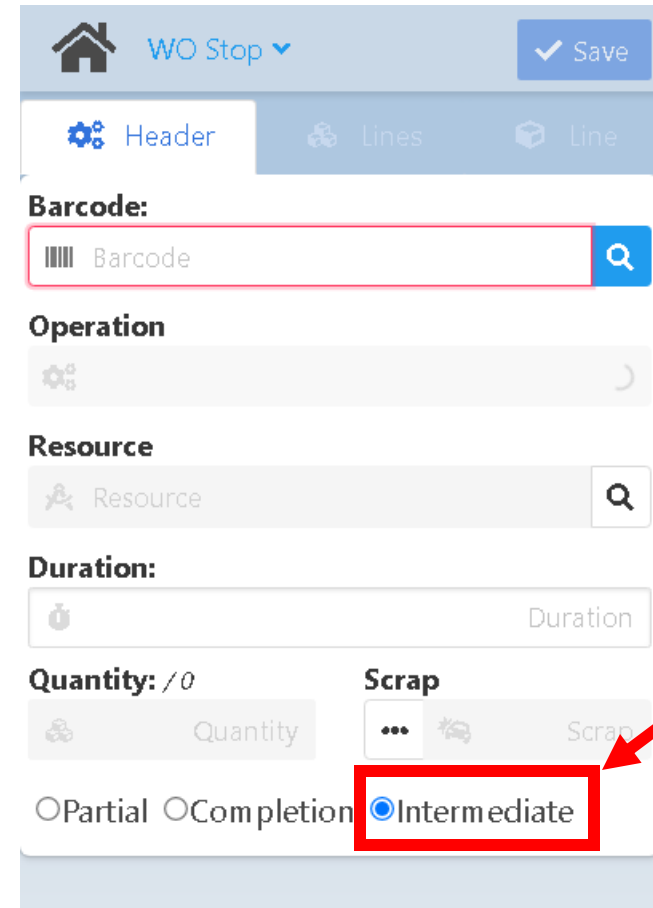
Intermediate report in WebApp WO Stop

NEW functionality:

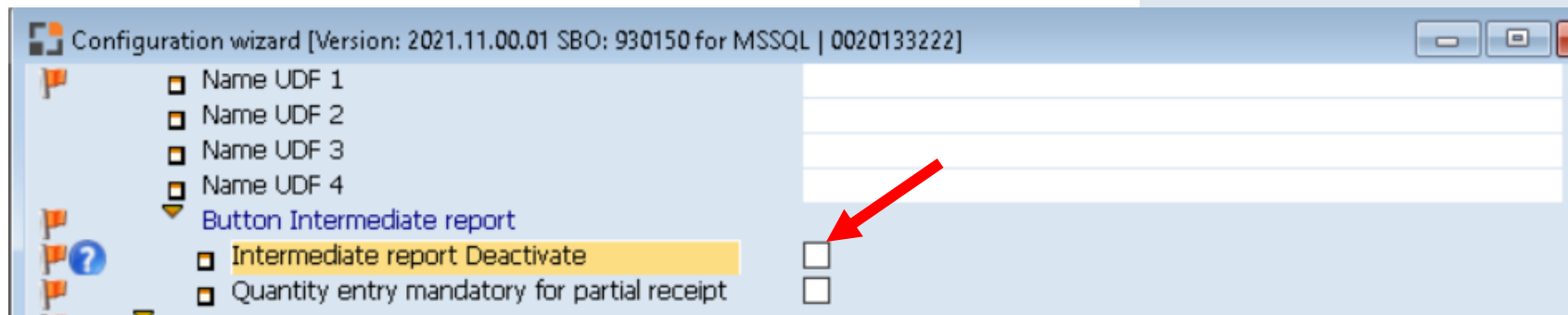
Report time as an "Intermediate" time receipt with the WO Stop WebApp.

With this option the system will do the "WO stop" as a partial time receipt and will initiate the "WO Start" again in the same way as the desktop does using the backflushing function.

Note: To use this new option you must uncheck the parameter "Intermediate report deactivate" in the Configuration wizard.



The screenshot shows the 'WO Stop' web application interface. At the top, there is a home icon, 'WO Stop' dropdown, and a 'Save' button. Below are tabs for 'Header', 'Lines', and 'Line'. The 'Barcode' field is highlighted with a red box. The 'Operation' section has a gear icon and a refresh icon. The 'Resource' section has a person icon and a search icon. The 'Duration' section has a clock icon and a 'Duration' input field. The 'Quantity' section shows '/0' and a 'Quantity' input field. The 'Scrap' section has a menu icon, a 'Scrap' input field, and three radio buttons: 'Partial', 'Completion', and 'Intermediate'. The 'Intermediate' radio button is selected and highlighted with a red box, with a red arrow pointing to it from the right.



The screenshot shows the 'Configuration wizard' window. The title bar reads 'Configuration wizard [Version: 2021.11.00.01 SBO: 930150 for MSSQL | 0020133222]'. The left pane shows a tree view with 'Button Intermediate report' expanded. Under this section, there are two checkboxes: 'Intermediate report Deactivate' (unchecked) and 'Quantity entry mandatory for partial receipt' (unchecked). A red arrow points to the 'Intermediate report Deactivate' checkbox from the right.

Production

Journal of entries: 2 new columns to display Receipt/Issue per line containing the real qty for batches/serials inside the document line

#	Document	Line	Journal Remark	Date	Reference	Item	Description	Batch / Serial	Receipt	Issue	arehousBin Loca	Price	Calculation price Curre	Receipt Line	Issue Line
1	98	0	Deliveries - C001	2021/10/11		TFS-63581	Double Journal Entry in Hist	B001	0,000	3,000	01	0,00	4,00 EUR	0,000	3,000
2	97	0	Deliveries - C001	2021/10/11		TFS-63581	Double Journal Entry in Hist	B001	0,000	3,000	01	0,00	3,00 EUR	0,000	1,000
3	97	0	Deliveries - C001	2021/10/11		TFS-63581	Double Journal Entry in Hist	B001	0,000	3,000	01	0,00	2,00 EUR	0,000	1,000
4	97	0	Deliveries - C001	2021/10/11		TFS-63581	Double Journal Entry in Hist	B001	0,000	3,000	01	0,00	1,00 EUR	0,000	1,000
5	2052	0	Goods Receipt	2021/10/11		TFS-63581	Double Journal Entry in Hist	B001	1,000	0,000	01	6,00	6,00 EUR	1,000	0,000
6	2051	0	Goods Receipt	2021/10/11		TFS-63581	Double Journal Entry in Hist	B001	1,000	0,000	01	5,00	5,00 EUR	1,000	0,000

Window mw_buchen_journal_master.psr

The journal of entries displays the entries split by batches/serials but in these cases the quantities on the Receipt/Issue columns are still the total quantity per document line. (this happened at lines with several batches/serials or even the same but with different prices)

NEW: Beas has two new columns to display the Receipt/Issue per line containing the real quantity for the batch/serial inside the document line.

You can make visible/hide these columns using the "Window settings" right-click option.

Production

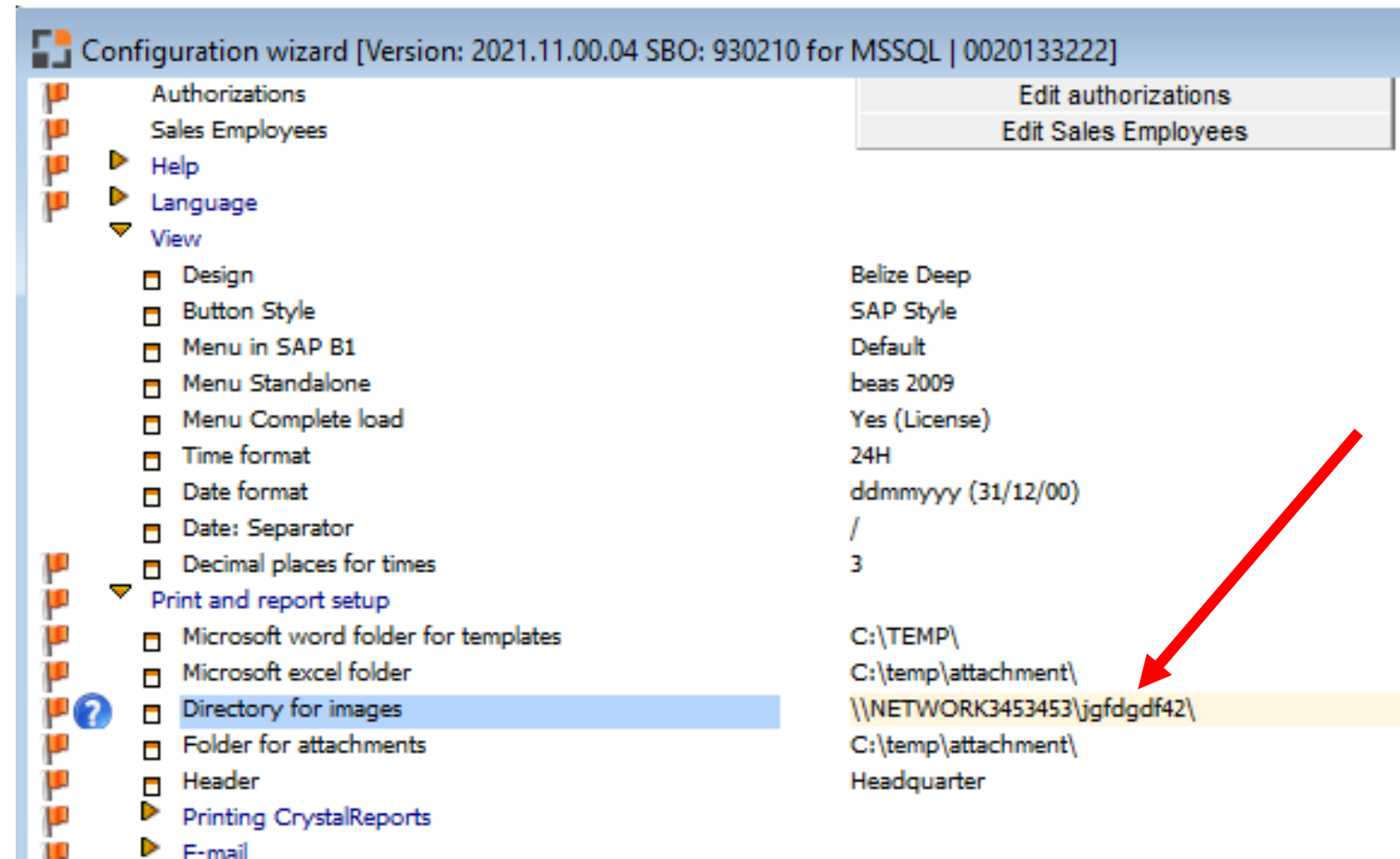
Product Configurator master data – Improvement in loading images

BEFORE :

Beas attempted to read images from the network for every line with the name `\\networkfolder` (without image name).

AFTER :

Beas attempts to load an image ONLY if an image was defined. Improving the performance of the product configurator



Production

Goods Receipt window: Pricing field is made invisible if type is "Production"

NEW : If the receipt is of Production type, the pricing field goes invisible.

The field must be empty when the type is "Production" because the price is calculated from the setting "Valuation and booking of assemblies" and NOT from the price list.

The screenshot shows the 'Goods Receipt' window with the following fields and values:

- Type:** Production (highlighted with a red box)
- Week Order:** 407
- Item:** FP
- I-Version:** (empty)
- Description:** Finished Product / Normal
- Warehouse:** 01
- Date:** 10/15/21
- Quantity:** (empty) Pcs
- Project:** (empty)
- Inventory:** 60.0
- Cost Center:** (empty)
- Close:**
- Entry reason:** (empty, highlighted with a red box and a red arrow)

Window mw_manuell_buchen.psr

WebApps

WebApp "Inventory Counting list": bar code support clarified

The WebApp Inventory Counting List supports two different barcodes:

- **Tab Lines:** The filter field can be used to select items by "ItemCode" using the Barcode field in the Item Master Data. GS1-128 Barcode is now supported.

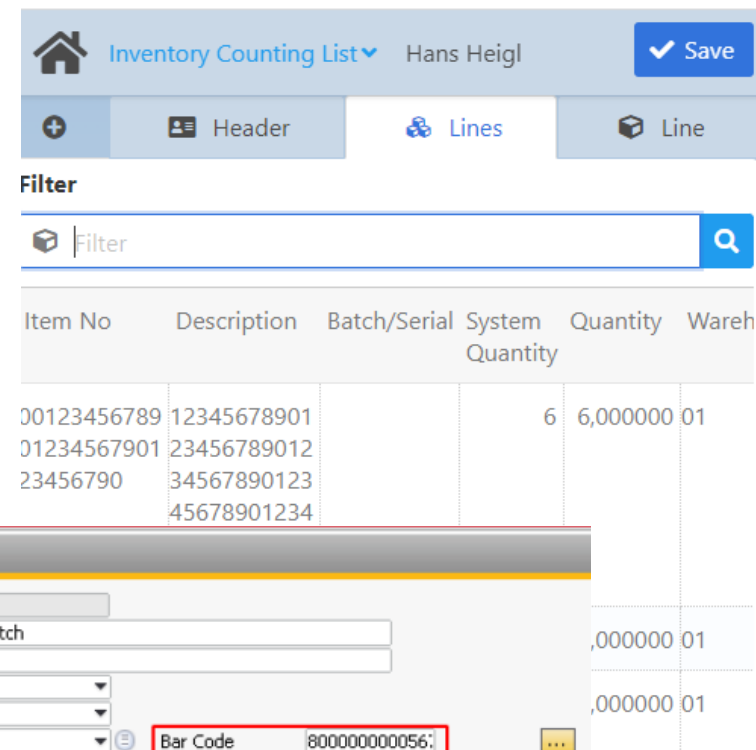
The linked Barcode is defined in the Item master data:

PAST: Beas didn't check the Barcode from the Item Master Data.

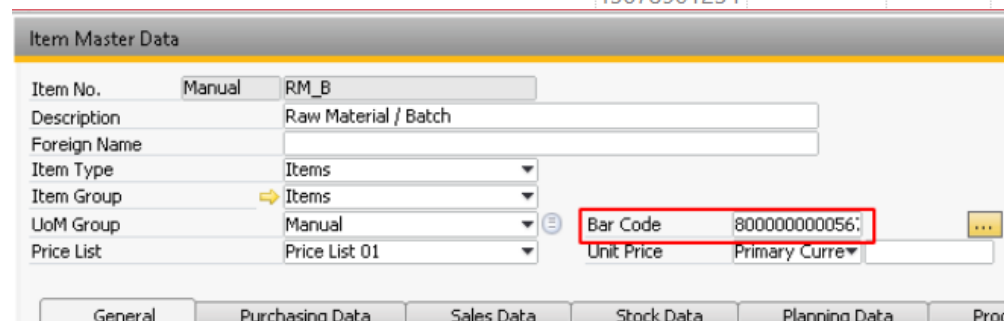
NEW: Beas supports the Barcode from the Item Master Data.

- **Tab Line:** Item No. field can be filled at once by scanning the "ItemCode", and the "Batch/Serial" and the quantity will be taken from the GS1 (see video attached).

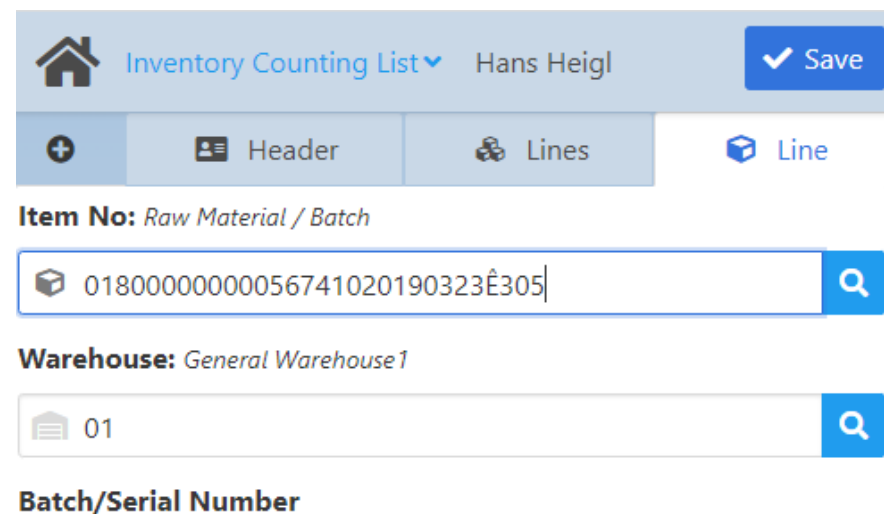
<https://youtu.be/r2XPULn0LbA>



Item No	Description	Batch/Serial	System	Quantity	Wareh Quantity
00123456789	12345678901		6	6,000000	01
01234567901	23456789012				
23456790	34567890123				
	45678901234				



Item Master Data	
Item No.	Manual RM_B
Description	Raw Material / Batch
Foreign Name	
Item Type	Items
Item Group	Items
UoM Group	Manual
Price List	Price List 01
Bar Code	800000000056
Unit Price	Primary Curre



Inventory Counting List Hans Heigl Save

Header Lines Line

Item No: Raw Material / Batch

01800000000056741020190323É305

Warehouse: General Warehouse 1

01

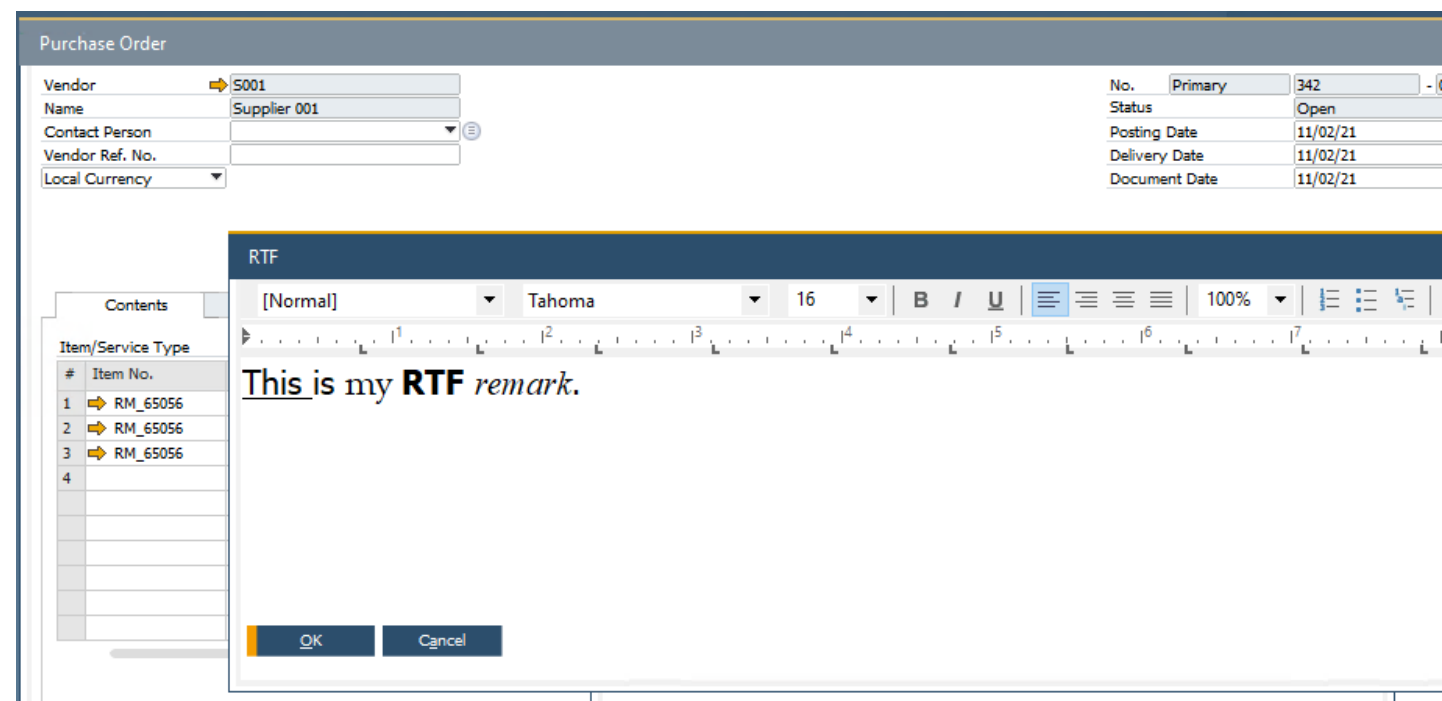
Batch/Serial Number

Usability

RTF support in Purchase orders

Opening & closing remarks now supports RTF mode in x64 environments. Before this was only possible in the 32bit version.

To access the editor, double-click on the Details window that opens, then right-click and select RTF:



Usability

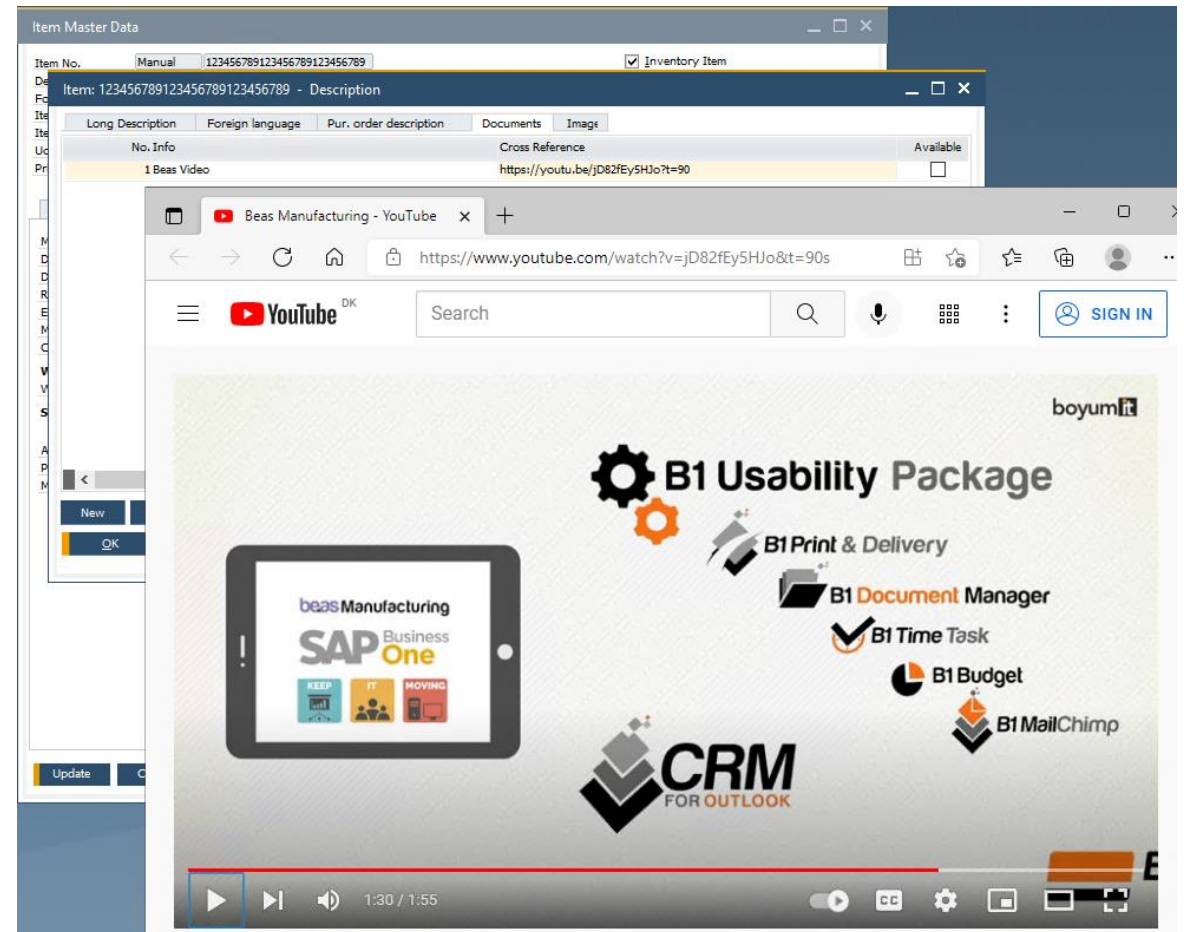
NEW internal Web browser

The previous internal web browser that was based on the old IE from Microsoft is now replaced by a new one that is based on the Chromium engine. Therefore, it displays content in the same way as e.g. Google Chrome.

Advantages using the new web browser are:

- No more alerts that the unsaved IE used to return
- links to e.g. videos are not opened in a new external instance
- Displaying PDFs does not need an extra app, but can be shown inside the browser directly
- many other file formats can be opened directly in the browser, e.g. audio, video files and many more

We use the new browser e.g. for displaying the internal help.



Usability

Precalculation: the Tool is now inserted under the selected operation

BEFORE : The tool was not inserted under the selected line.

AFTER the Improvement: The tool is inserted under the selected operation.

Additionally, the drag and drop operation over a BoM has been improved in the following way:

- If you drag a BoM and drop it on a line outside of the item structure, the BoM is inserted at the end of the last BoM in the structure.

Precalculation No.: 6

Processing View Functions

Open Insert item New Assembly New Material Create Operation Cut Duplicate Insert Remove

Quantity	Marginal Cost	Description	Use	Cost
1.000000 Pcs		FPCOST		0.00
10		RM COST	1.0000 Pcs	10.00
20		RM COST2	1.0000 Pcs	5.0000
30		10000010000	1.0000 Pcs	0.00
10		R-COST01 (OP-COST.001)	1.0	1.0000
		Tool		0.00
		R-01-1T.GROUP.08H001		14.00
20		R-COST02 (OP-COST.002)	1.0	4.5000
		Electricity (lot size cost)		100.000
		fix cost unit (by unit)		
		aaa		2.750

Window: pk_struktur.psr

B1UP Integration

Check Block event from UF

Function/Area: Beas Usability Package
Block Event in Validation - Universal calls

Scenario:

In Validation you can call a universal function.
In the Universal function you can activate the
Block event flag.

PAST: This flag was ignored if it was called over
a validation.

NEW: Now the flag checks the "Block event" and
blocks the complete event if called.

See: <https://youtu.be/ZAnXBSNzrOk>

The image shows two overlapping dialog boxes from a software application. The background dialog is titled "Validation Configuration" and has the following fields:

- Name: Operation catalog - Event Double Click for dw_1.ag_id
- User (empty=All):
- Trigger:
 - Window Name: Operation catalog (stamm_ag_browse)
 - DataWindow: dw_1
 - Element: ag_id
 - FormMode: All
 - Event: Double Click
 - Modifier: Non
 - Block Event:
- Condition:
 - Radio buttons: No condition, just execute function (unchecked), SQL Condition (checked)
 - SQL Code:

```
SELECT CASE <dw_1.item.ag_
WHEN '1' THEN '1'
WHEN '2' THEN '2'
WHEN '3' THEN '3'
END FOR BROWSE
```
 - Table:

#	Condition Result	Function to execute
1	1	beasUF-048 (Message v
- Comment:
- Category:
- Active:

The foreground dialog is titled "beas Universal Function [Version: 2021.11.00.07 SBO: 9302]" and has the following fields:

- Code: beasUF-048
- Name: Message with BlockEvent
- Type: Message
- Window Name: Operation catalog (stamm_ag_browse)
- Message: Blocked!
- Type: Message box
- Block event: (highlighted with a red box and a red arrow)

Buttons for "OK" and "Cancel" are visible at the bottom of both dialog boxes.

B1UP Integration

B1UP usability extension Universal function Conversion

Available with B1UP 2021.11

Required: Beas 2021.11

NEW:

Command `openform()` support Beas Forms.
 Command `beasFunction()` allow to execute list of Beas Function

openform:

Window name must start with BEAS: and then the window name.

Note:

BeasScript command "openform" supports the same window naming. It's possible to open form for new entry or delete entry.

beasFunction()

This allows to execute predefined Beas function.

Common windows for open form:

Window Name	Parameter	Description
BEAS:xxxx		
ItemStructure	Optional item number	Open item structure window
ItemHistory	Item number	Open item history window
BillOfMaterial	Item Number	Open BoM List for an item
Routing	Item Number	Open Routing list for an item
Resource	Resource Id	Open Resource details
ResourceUtilization	Resource Id, optional Date in format yyyy/mm/dd	Open Resource Utilization
WorkOrderStructure	Optional DocEntry	Open Work order Structure window
WorkOrder	DocEntry	Open Work order
WorkOrderPosition	DocEntry,LineNumber	Open Work order position
OwnReport	ReportId	Open a self defined Report
APS	ScenarioId	Open APS List for a scenario
APSGantt	DocEntry,LineNumber	Open APS Gantt view
QCOrder	DocEntry	Open QC Order Details

For the complete list see BeasScript documentation

B1UP Integration

B1UP usability extension Universal function Conversion - EXAMPLES

Openform

Universal Function Configuration (v.2021.10 HF01 - 32 bit) [9.3 PL11 MSSQL | 0020133222]

Code	UF-002	Remarks	
Name	Worklist		
Type	Macro	Category	

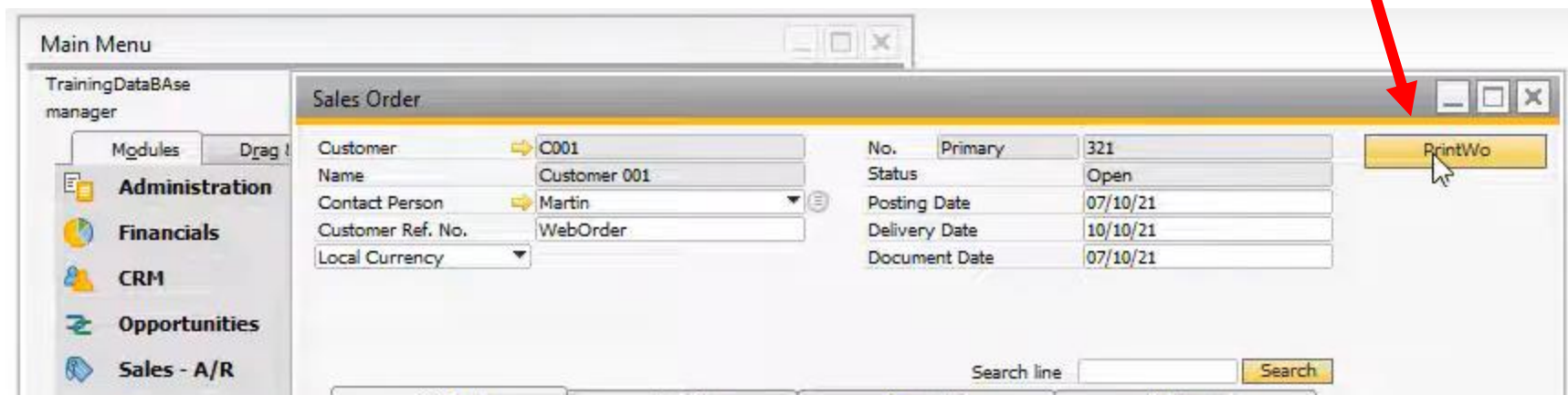
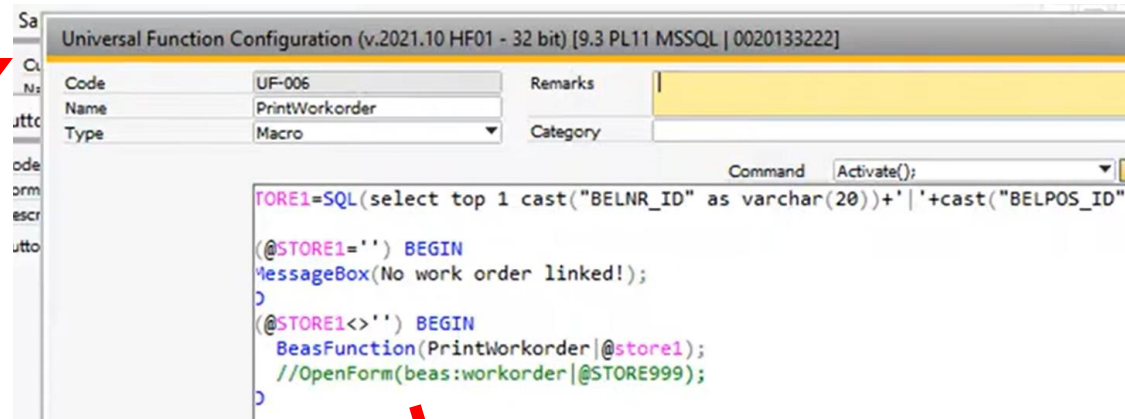
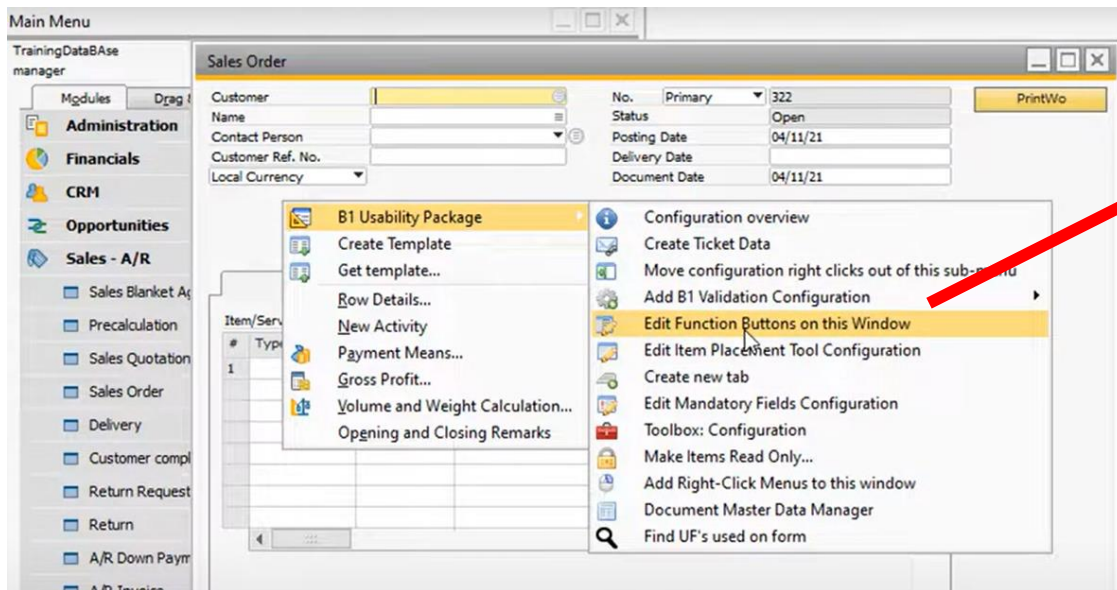
```
openform(BEAS:OwnReport|WorkListPool);
```



B1UP Integration

B1UP usability extension Universal function Conversion - EXAMPLES

beasFunction()



Data integration hub

Routing position has new field "Resource allocation"

Scenario: Import Routing (BEAS_APL)

PAST:

It was not possible to import "Resource allocation"

NEW FUNCTIONALITY:

Now it's possible to import Resource allocation, too.

Routing position for PF

Operation sequence: 10
 Type: operation
 Operation: OP-IN.STD.QC
 Resource: R-01-1T.STD.24H
 Clock Mandatory?

Description: Internal Operation With QC - Standard (default Resource only) - S

Instructions:

General | Extended | Tool | Utilities | Parallel | Alternative | Attachments

	Time	Cost Element	Use factor
Setup time for Precalculat	0.000		1.0000
Setup time Capacity	5.000		1.0000
Processing	25.000		
Rework	0.000		
Quality control	0.000		
Quantity per Time	1.0000		
Time Unit	Minute		
Resource allocation			
Operation active	Yes		

Work Steps: 1.0000
 Idle time:
 Overlap limit: None
 Scrap factor:
 QC inspection plan: QC_OPER_UNIT
 Number of payslips:

Window artikel_arbplanpos_edit

Source - Target - Link [Version: 2021.11.00.04 SBO: 930210 for MSSQL | 0020133222]

Column Description	Column Name	Primary	Type	Column Name Origin
Time Type Duration	TIMETYPE_ID	<input type="checkbox"/>	No	
Cost Element Machine Time /	THTIMETYPE_	<input type="checkbox"/>	No	
Cost Element Secondary time	TNTIMETYPE_	<input type="checkbox"/>	No	
labor costs Time Type	PTIMETYPE_II	<input type="checkbox"/>	No	
Times in per Quantity	MENGE_JE	<input type="checkbox"/>	No	
Times per Hr. or. Minute	MENGE_ZEIT	<input type="checkbox"/>	No	
Resource Allocation Type	MEHRMASCHI	<input type="checkbox"/>	Default	P
Resource Allocation Quantity	MEHRMASCHI	<input type="checkbox"/>	Default	50
Use factor	NUTZEN	<input type="checkbox"/>	No	
Work Steps	ANZAHL	<input type="checkbox"/>	No	
Idle Time in Hours	TL	<input type="checkbox"/>	No	
Overlap Limit	UEBERGR7	<input type="checkbox"/>	No	

Window import_fields_browse.psr

BeasScript

Create Business Partner Catalog Number with DI-API

Now it's possible to create Catalog Numbers with BeasScript.

```
declare di_doc=ue_api_sbo
di_doc.getbusinessobject=73

di_doc.CardCode=C001

di_doc.ItemCode=FP

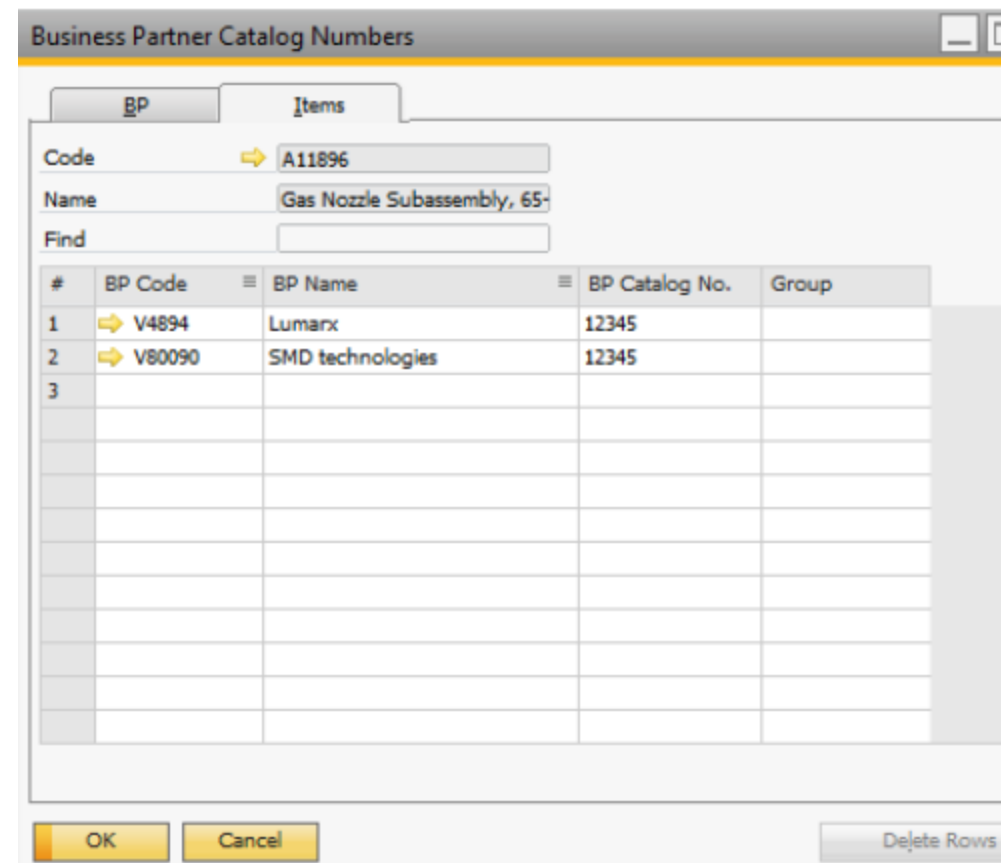
di_doc.Substitute=Hello2

di_doc.add

destroy=di_doc
```

New properties supported:

Substutere, SubCatNum, DisplayBPCatalogNumber



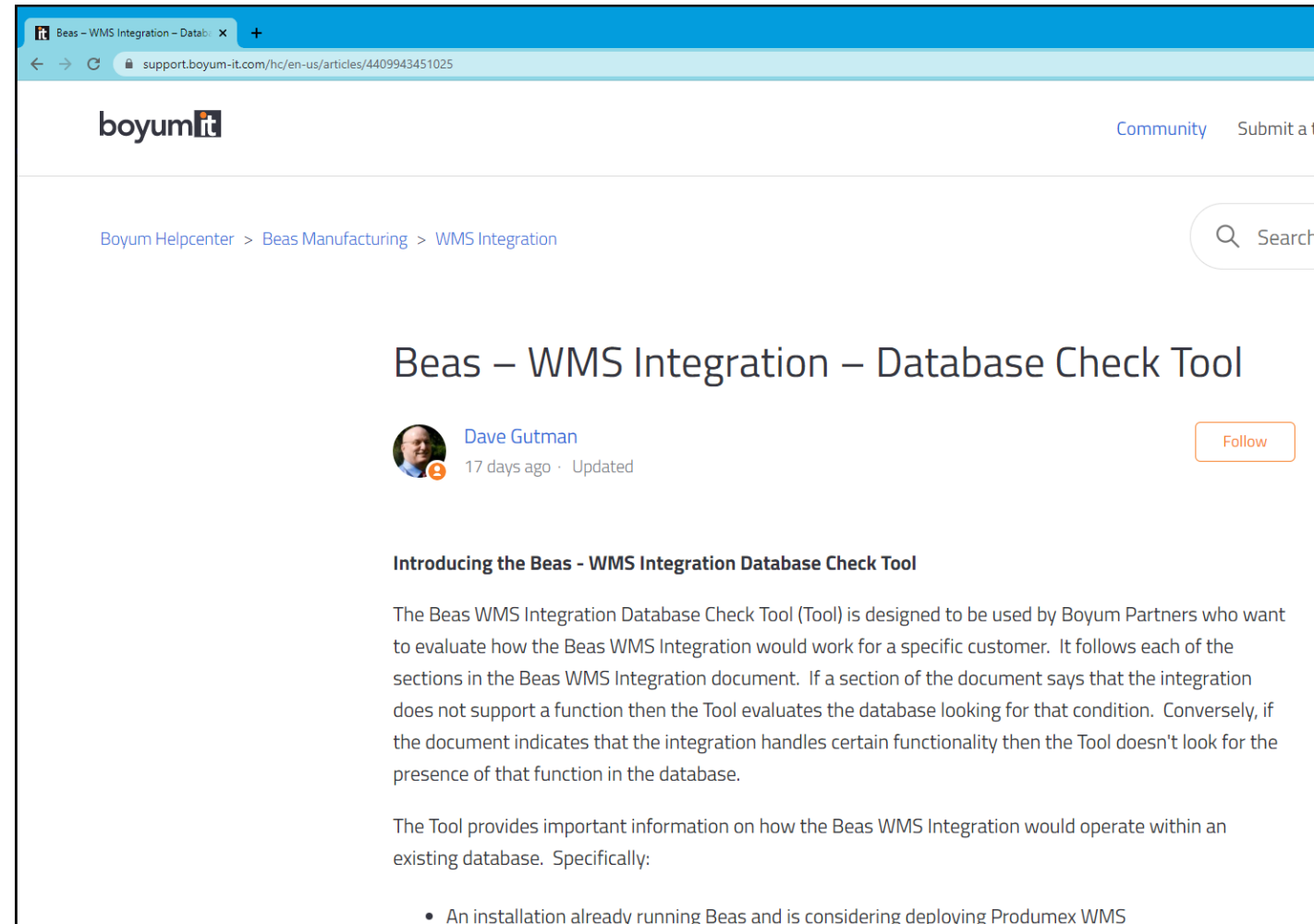
WMS integration

Beas - WMS Database Check Tool

The Beas WMS Integration's database check tool (Tool) provides important information on how the Beas WMS Integration would operate within an existing database. It follows each of the sections in the Beas WMS Integration document.

If a section of the document indicates that the integration handles certain functionality then the Tool does not evaluate that function. Conversely, if the document says that the integration does not support a function, the Tool evaluates the database looking for that condition.

The Tool is designed to be used by Boyum Partners who want to evaluate an existing customer database to analyze how the Beas WMS Integration would work for a customer



The screenshot shows a web browser window with the URL support.boyum-it.com/hc/en-us/articles/4409943451025. The page header includes the Boyum logo and navigation links for 'Community' and 'Submit a t'. The breadcrumb trail is 'Boyum Helpcenter > Beas Manufacturing > WMS Integration'. The article title is 'Beas - WMS Integration - Database Check Tool' by Dave Gutman, updated 17 days ago. A 'Follow' button is visible. The article content includes the following text:

Introducing the Beas - WMS Integration Database Check Tool

The Beas WMS Integration Database Check Tool (Tool) is designed to be used by Boyum Partners who want to evaluate how the Beas WMS Integration would work for a specific customer. It follows each of the sections in the Beas WMS Integration document. If a section of the document says that the integration does not support a function then the Tool evaluates the database looking for that condition. Conversely, if the document indicates that the integration handles certain functionality then the Tool doesn't look for the presence of that function in the database.

The Tool provides important information on how the Beas WMS Integration would operate within an existing database. Specifically:

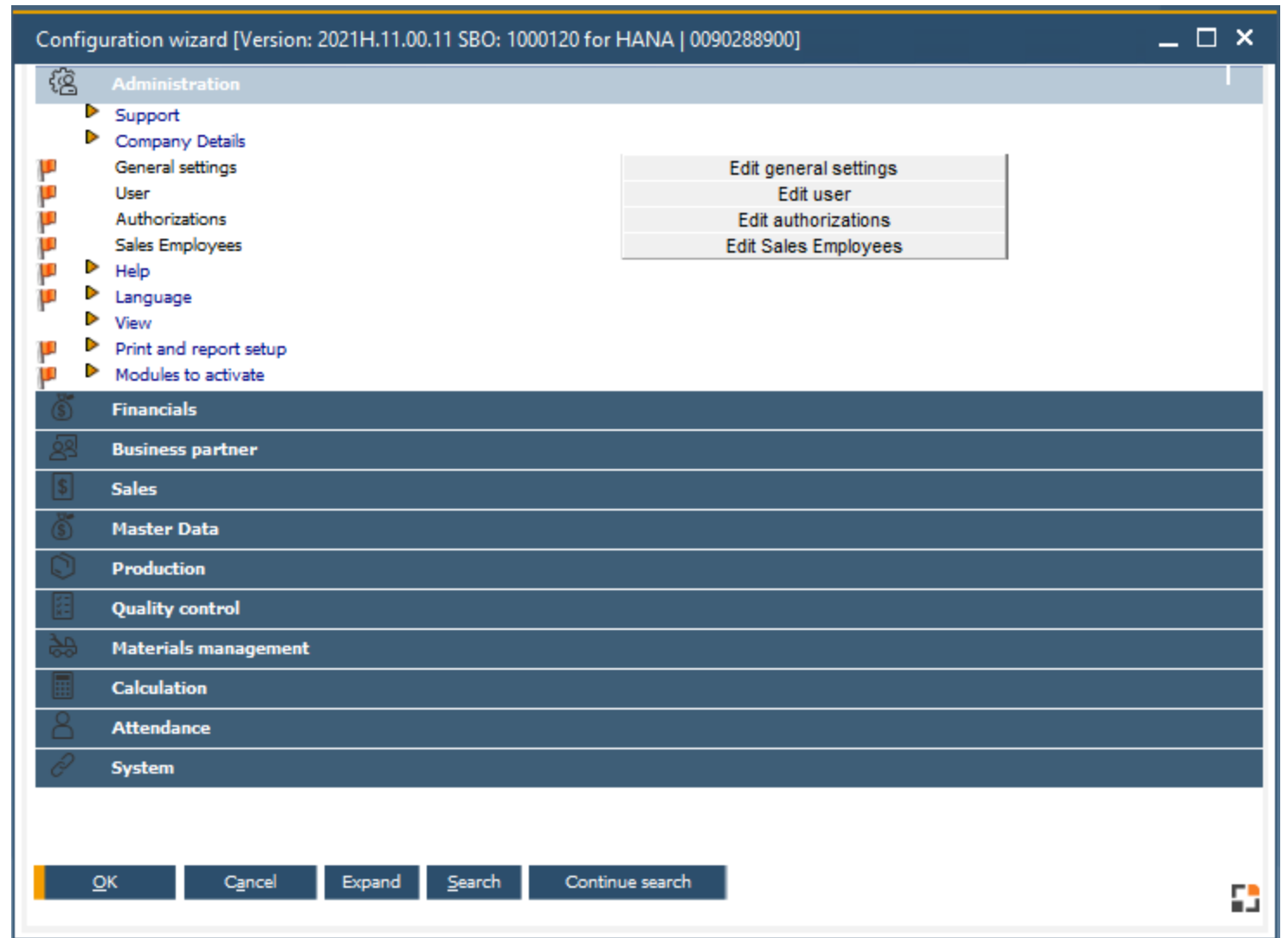
- An installation already running Beas and is considering deploying Produmex WMS

General

Configuration wizard language Review

Revision points:

- English translation mistakes fixed.
- Rewritten/clarified the following:
 - Parameter names
 - Parameter descriptions
 - Warning messages
 - Tooltips



Read **before install**

Beas is increasing the control at **the terminal license** to align with the correct terminal license definition. In the previous releases, the licensing check system did not verify correctly the running terminals against the licenses sales model in place for Beas for more than 10 years. **See** our documentation: http://www.beascloud.net/docs/help/online_eng/index.html?terminallicense.htm



Terminal licenses are managed by concurrence of users: it is recommended that webapps users logout, since it frees the license for another user to use it, instead of just closing the browser, in which case the license remains in use for a few more minutes.

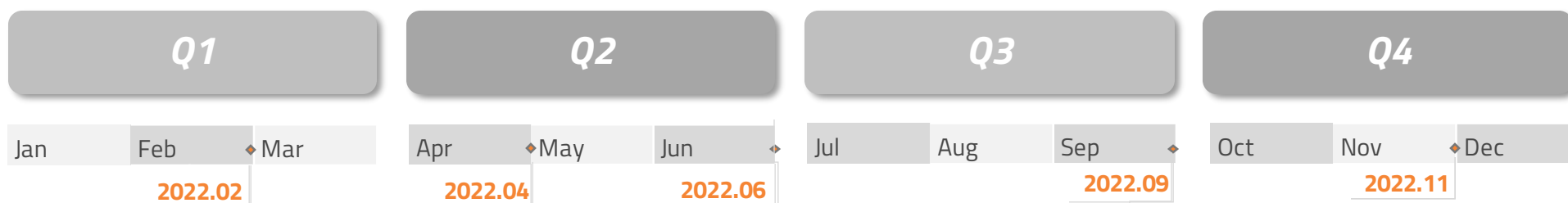
It is recommended that shopfloor terminals have terminal licenses assigned by workstation, thus ensuring the availability of licenses in these terminals. For question and answer about terminal license, please see : <https://support.boyum-it.com/hc/en-us/articles/360018756418>

Make sure to assign only the apps that the user really uses for each personnel in the authorization group, because for every login all terminal licenses related to the user's authorization will remain in use during his session.

Please consider when a concurrent license is not available, it will be displayed as gray when the user logs in. Before this was not visible.

The Work order refresh button was disabled by default since version 2021.03 If the customer uses this functionality, it can be activated in the Configuration wizard.

2022 Planned releases



This is the current state of planning and may be changed by Boyum IT Solutions at any time.

Your **voice** matters

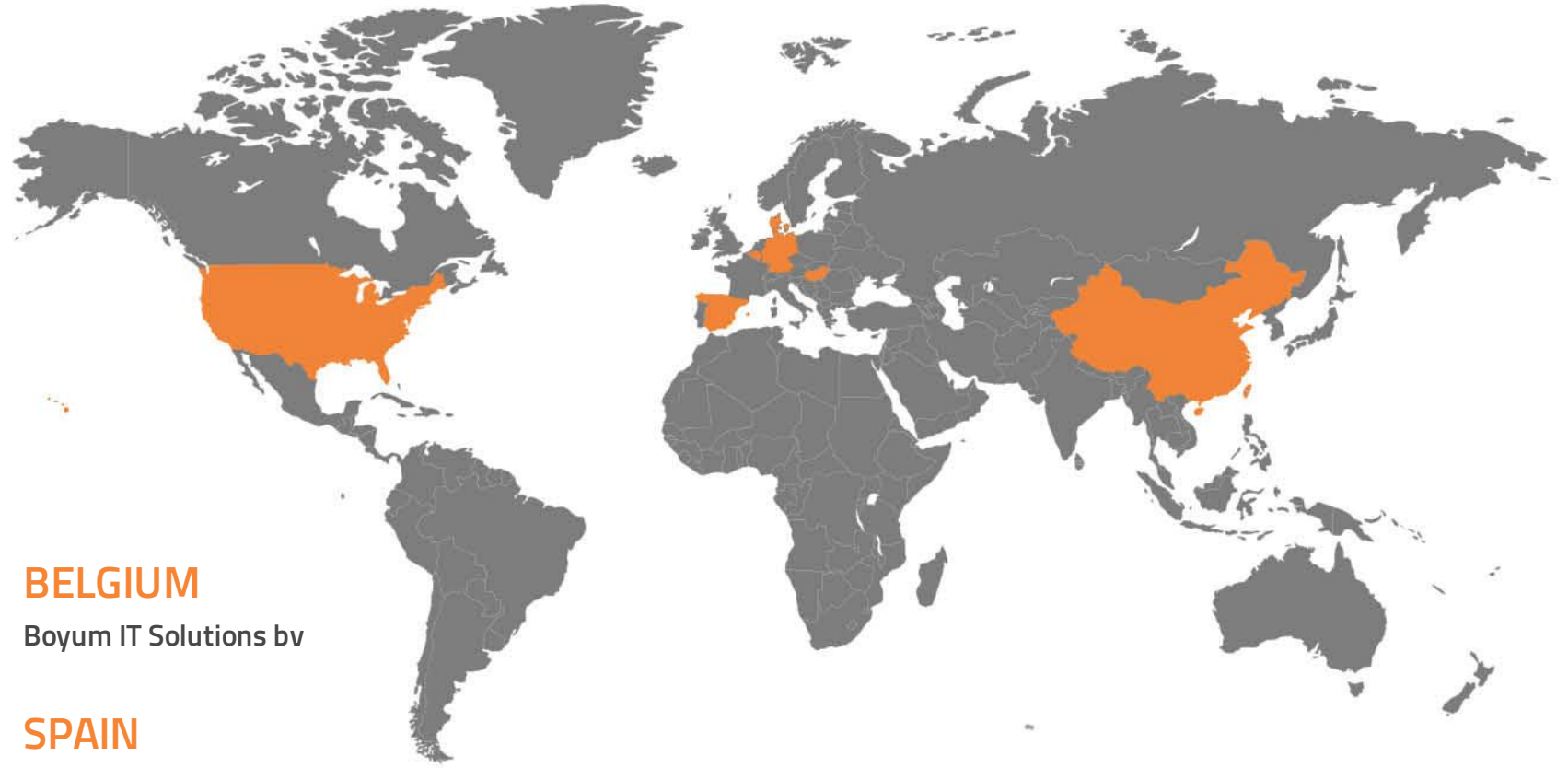
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