

BEAS MANUFACTURING

2022.09
RELEASE NOTES

SEPT 2022

2022.09 Highlights

Production

- Reservation window: Improved Loading process for serial items

Batch Calculation

- Pre-Calculation/Batch calculation using last purchase price

MRP

- MRP Transfer function improvements

Web

- Web Configurator License update

System

- Debug log – performance improvement

Production

Reservation window: Optimized loading process for Serial items

Before, it took time to load the issue window for finished products that contain items with serials.

Now, the window has been optimized, and Beas can display the extensive list of the results in reduced time.

In this example it took more than 16 seconds to build and display the window with almost 10000 entries before this fix. After the optimization it only takes a little bit more than 1 second.

The screenshot shows the SAP 'issue' window. At the top, there are buttons for 'Selected pre-assign', 'All pre-assign', 'All Mark', 'Pre-assignment Delete', and 'All issue'. The posting date is set to 02.08.2022. Below the buttons is a table with the following data:

#	Type	Number	Document	Line 1	Position	Item	I-Version	Description	Requirement	issue	Open request
1	Production	1000693	992	20	10	RM		Raw Material / Normal	10,0	0,0	0,0
2	Production	1000693	992	20	20	RM_B		Raw Material / Batch	10,0	0,0	0,0
3	Production	1000693	992	20	30	RM_S		Raw Material / Serial	10,0	0,0	0,0

Below this table is a detailed reservation list table, which is highlighted with a red border in the screenshot. It has the following columns: #, Serial Number, Available, Reserved, Assigned, Reserve Unit, Warehouse, Description, Bin Location, and Info 1. The data in this table is as follows:

#	Serial Number	Available	Reserved	Assigned	Reserve Unit	Warehouse	Description	Bin Location	Info 1
9858	165501SW:	1,000	0,000	0,000		SW	SAP Warehouse with	SW-SYSTEM	
9859	165501SW:	1,000	0,000	0,000		SW	SAP Warehouse with	SW-SYSTEM	
9860	20210930_2	1,000	0,000	0,000		BW	bin-warehouse	01	
9861	20210930_2	1,000	0,000	0,000		BW	bin-warehouse	01	
9862	20210930_2	1,000	0,000	0,000		BW	bin-warehouse	01	
9863	serial2_201	1,000	0,000	0,000		SAP_BIN	SAP Warehouse with	SAP_BIN-AR	
9864	serial2_201	1,000	0,000	0,000		SAP_BIN	SAP Warehouse with	SAP_BIN-AR	
9865	serial2_201	1,000	0,000	0,000		SAP_BIN	SAP Warehouse with	SAP_BIN-AR	
9866	serial2_201	1,000	0,000	0,000		SAP_BIN	SAP Warehouse with	SAP_BIN-AR	
9867	serial2_201	1,000	0,000	0,000		SAP_BIN	SAP Warehouse with	SAP_BIN-AR	

At the bottom of the window, there are buttons for 'Cancel' and 'Reservation list'.

Window reservation_set_master.psr

Batch Calculation

Batch calculation

NEW: Support of "Last purchase price" for items managed with UoM Groups.

In item master data you can define the "Pricing unit".

If the system finds a Last purchase price in Pricing unit, it takes this price and converts it in Inventory unit. Otherwise, it uses the last purchase price in Inventory unit. All other price units will be ignored.

This is related to all program places where you can choose a price evaluation (all receipt processes), pre- and post calculation.

NOTE: In other price lists and special price lists the UoM Groups are currently not supported.

Item Master Data

Item No. Manual TFS79020-Material
 Description Material with UoMGroup
 Foreign Name
 Item Type Items
 Item Group Items
 UoM Group kg-group
 Price List Last Purchase Price

Bar Code kg
 Unit Price Primary Curr. EUR 33.00 kg
 Pricing Unit pound

General Purchasing Data

Set Inventory Method By Item Group
 UoM Code kg
 UoM Name kg
 Weight
 Inventory Counting UoM Code
 Inventory Counting UoM Name
 Items per Counting Unit 1
 Valuation Method Moving Average
 Item Cost 175.63

#	Whse Code	Whse Name
1	01	General Warehouse1
2	01-locke	General Warehouses locke
3	02	Warehouse 2
4	03	Warehouse 03

Last Purchase Price - UoM Prices

Item TFS79020-Materia

#	UoM Code	UoM Name	Base Price	Reduce By %	Price	Auto
1	kg	kg	EUR 33.00		EUR 33.00	<input checked="" type="checkbox"/>
2	g	g	EUR 0.033000	0.000	EUR 22.00	<input type="checkbox"/>
3	pound	pound	EUR 16.500000	0.000	EUR 66.00	<input type="checkbox"/>

MRP

MRP Transfer function improvements

Before: In the past the synchronization of the two “Warehouse from” fields resulted in mismatch.

Now the selected WHS is displayed correctly in both areas.

The screenshot displays the SAP Order Recommendation interface for TFS-53791. The main table lists items with their respective actions. Item 9, TFS-37337-MAT-3, is highlighted with a blue background and has a 'Transfer' action. A red box highlights the 'Warehouse from' field in the transfer details, which is set to '12'. A red arrow points from this field to the 'Warehouse From' column in the table above, which also contains the value '12' for item 9.

#	Item	I-Version	Description	Name	UoM	Action	Blanket agreement Number	Delivery Date	Date of order	First demand	MRP	Locked	Multiple order n	order amount	Maximum amount	Priority	Warehouse From	Repl. Stock
4	TFS-37119		TFS	Far East Imports	Pcs			26.07.2022	26.07.2022	26.07.2022	Assembly		0,0	0,0	0,0			0,0
5	TFS-37119-MAT		TFS	Far East Imports	Pcs			13.07.2022	26.07.2022	13.07.2022	Buy		0,0	0,0	0,0			0,0
6	TFS-37119-MAT-2		TFS	Far East Imports	Pcs			26.07.2022	26.07.2022	26.07.2022	Buy		0,0	0,0	0,0			0,0
7	TFS-37337-MAT		TFS	Far East Imports	Pcs			26.07.2022	26.07.2022	26.07.2022	Buy		0,0	0,0	0,0			0,0
8	TFS-37337-MAT-2		TFS	Far East Imports	Pcs			26.07.2022	26.07.2022	26.07.2022	Buy		0,0	0,0	0,0			1,0
9	TFS-37337-MAT-3		TFS	Far East Imports	Pcs	Transfer		26.07.2022	26.07.2022	26.07.2022	Buy		0,0	0,0	0,0		12	0,0
10	TFS-37337-MAT-4		TFS	Far East Imports	Pcs			26.07.2022	26.07.2022	26.07.2022	Buy		0,0	0,0	0,0			0,0
11	TFS-37337-MAT-Batch		TFS	Far East Imports	Pcs			26.07.2022	26.07.2022	26.07.2022	Buy		0,0	0,0	0,0			0,0
12	TFS37527-MAT1		Mat	Far East Imports	Pcs			26.07.2022	26.07.2022	26.07.2022	Buy		0,0	0,0	0,0			0,0
13	TFS-38149-MAT		TFS	Far East Imports	Pcs			26.07.2022	26.07.2022	26.07.2022	Buy		0,0	0,0	0,0			0,0

The transfer details for item 9 show:

- Warehouse from: 12
- Supplier: [arrow]
- Quantity: 7,0 Pcs
- Item: TFS-37337-MAT-3
- Description: TFS 37337 Serial MMaterial
- Drawing number: [empty]
- Info: [empty]
- Warehouse to: 01

The transfer request table shows:

Week	26.09.2022	03.10.2022
09.08.2022	4,0	
15.08.2022	3,0	
22.08.2022		
29.08.2022		
05.09.2022		
12.09.2022		
19.09.2022		

Window `mrp_view_masterrahmen.psr`

MRP

MRP Transfer function improvements

The handling of the Delivery date is now optimized:

Order Recommendation (32) TFS-53791

#	Item	I-Version	Description	Lead time	Minimum Inventory	Warehouse stock	Reservation	Inflow	Outflow	Balance	<= CW 32	CW 33	CW 34	C
8	TFS-37337-MAT-Batch		TFS 37337 Serial MMaterial	20	50,0	10,0	0,0	0,0	0,0	-40,0	40,0			
9	TFS37527-MAT1		Material 1	30	100,0	0,0	0,0	0,0	0,0	-100,0	100,0			
10	TFS-38149-MAT		TFS Material for tfs-38149	7	5,0	0,0	0,0	0,0	0,0	-5,0	5,0			
11	TFS-38361-2		Test minimum inventory in different WHS Test 2	20	40,0	0,0	0,0	0,0	0,0	-40,0	40,0			
12	TFS-38361-MAT		Test minimum inventory in different WHS	20	40,0	0,0	0,0	0,0	0,0	-40,0	40,0			
13	TFS-53791-FP		FG order related	7	0,0	0,0	0,0	0,0	30,0	-30,0		10,0	15,0	
14	TFS-53791-Mat02		Material 1	7	0,0	0,0	0,0	0,0	30,0	-30,0	30,0			
15	TFS-59974		APS overtime	7	123,0	0,0	0,0	0,0	0,0	-123,0	123,0			
16	TFS-60505		with pahntom - wrong link	7	123,0	0,0	0,0	0,0	0,0	-123,0	123,0			
17	TFS-64315		MRP Gross calc	7	250,0	0,0	0,0	0,0	0,0	-250,0	250,0			
18	TFS-64315-Mat01		Material 1	7	0,0	0,0	0,0	0,0	500,0	-500,0	500,0			
19	TFS-64315-Mat02		Material 1	7	5,000	0,000	0,000	0,000	0,000	-5,000	6,000			
20	TFS-65860		BOM Calc Precalc	7	123,0	0,0	0,0	0,0	0,0	-123,0	123,0			
21	TFS-68377		BOM	7	123,0	0,0	0,0	0,0	0,0	-123,0	123,0			

double click on row

#	Ty	Planned Inflow and Outflow	Info	I-Version	Approved Date of order	CW	Date of requiren	Inflow	Outflow	Balance UoM	Reserved Warehouse	Drawing r
1	Sales Order	166 / 1, TFS-53791-f Customer 001			09.08.2022	32	11.08.2022	0,0	5,0	-5,0 Pcs	0,0 01	
2	Sales Order	166 / 2, TFS-53791-f Customer 001			09.08.2022	32	18.08.2022	0,0	10,0	-15,0 Pcs	0,0 01	
3	Sales Order	166 / 3, TFS-53791-f Customer 001			12.08.2022	32	25.08.2022	0,0	15,0	-30,0 Pcs	0,0 01	

#	Warehouse	Description
1	02	General Warehouse 02
2	12	BEAS Warehouse with Bin

Window mrp_view_masterrahmen.psr

MRP

MRP Transfer function improvements

The handling of delivery date is now optimized:

Result: "Order" tab is filled with several pieces of information from the inflow/outflow tab.

Before, the Delivery date was set, but if you changed a row, the date got lost, as long as you did not select a delivery date manually.

Now, the delivery date that is set in the "Order" tab can also be set in the "Transfer" tab and vice versa.

The screenshot shows the 'Transfer' tab of the MRP interface. The 'Delivery Date' field is highlighted with a red box and contains the value '25.08.2022'. Other fields include Supplier (V1010), Price (0,000000 EUR), Quantity (15,0 Pcs), Item (TFS-53791-Mat02), Description (Material 1), Info (Sales Order: 166 / 3, TFS-53791-FP C001), Warehouse (01), and Link (No). The 'Distribution rule' field is also visible on the right side.

The screenshot shows the 'Order' tab of the MRP interface. The 'Delivery Date' field is highlighted with a red box and contains the value '25.08.2022'. Other fields include Warehouse from (02), Supplier, Quantity (15,0 Pcs), Item (TFS-53791-Mat02), Description (Material 1), Drawing number, Info, and Warehouse to (01). The 'Distribution rule' field is also visible on the right side.

Window `mrp_view_masterrahmen.psr`

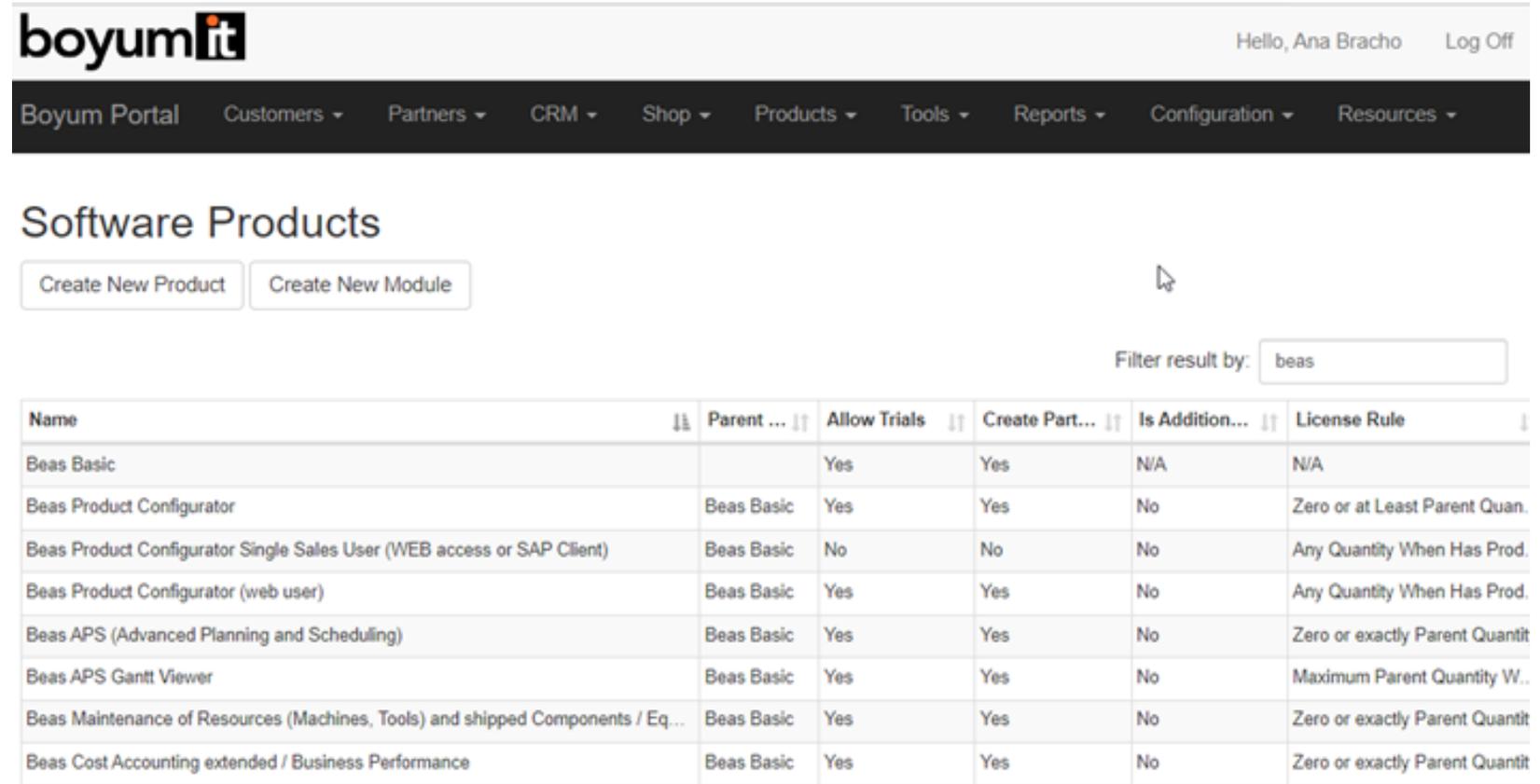
Web Configurator

License update: “Beas Product Configurator Single Sales User” and “Beas Product Configurator (Web User) licenses have merged

The previous License "Beas Product Configurator Single Sales User" now is available in the License Boyum Portal as "Beas Product Configurator Single Sales User (Web access or SAP Client)"

This license is designed for sales users to use the Product Configurator interface for SAP Sales Quotations and Sales Orders, without the need for a “Beas Basic” license or to access to the Web Configurator.

In case of users that access the Web Configurator through SAP sales quotation or order: if a user has a “Beas Basic” license they do not need this license because they already have access to this function.



Name	Parent ...	Allow Trials	Create Part...	Is Addition...	License Rule
Beas Basic		Yes	Yes	N/A	N/A
Beas Product Configurator	Beas Basic	Yes	Yes	No	Zero or at Least Parent Quan.
Beas Product Configurator Single Sales User (WEB access or SAP Client)	Beas Basic	No	No	No	Any Quantity When Has Prod.
Beas Product Configurator (web user)	Beas Basic	Yes	Yes	No	Any Quantity When Has Prod.
Beas APS (Advanced Planning and Scheduling)	Beas Basic	Yes	Yes	No	Zero or exactly Parent Quantit
Beas APS Gantt Viewer	Beas Basic	Yes	Yes	No	Maximum Parent Quantity W..
Beas Maintenance of Resources (Machines, Tools) and shipped Components / Eq...	Beas Basic	Yes	Yes	No	Zero or exactly Parent Quantit
Beas Cost Accounting extended / Business Performance	Beas Basic	Yes	Yes	No	Zero or exactly Parent Quantit

Web Configurator

License update: “Beas Product Configurator Single Sales User” and “Beas Product Configurator (Web User) licenses have merged

User assignment:

An SAP user without a Beas basic license could be assigned to this license to give access to the product configurator from the SAP Quotation or Sales orders. The assigned licenses will have exclusive use of the assigned user from the SAP Sales documents, the rest of the licenses not assigned will have use by concurrency in the Web Configurator.

Note: The assigned licenses are excluded from the availability for Web access, so if a salesperson has an SAP User license assigned for Sales orders, and accesses through the Web Configurator, the web access will be consumed as an additional license each time they access it.

As for concurrence of Users, the assignment and release of the Web Configurator licenses will be carried out identically to license application in the WebApps terminal.

The screenshot shows the 'License' management interface. At the top, there are fields for Product (Beas Manufacturing), Status (ok), Last Update (2022/08/15), Install + System No (0090288900_000000000850445353), Max., Allowed Version (Beas 2022.x.x.x), and Automatic Assign (checked). Below this is a table of modules with columns for #, Modules, Description, Licensed, Assigned, Assigned 2, and In use.

#	Modules	Description	Licensed	Assigned	Assigned 2	In use
1	BEAS_BASIC	BEAS Basic Module	999	9	7	2
2	- BEAS_APS	Beas APS (Advanced Planning and Scheduling)				
3	- BEAS_BAB	Beas Cost Accounting extended / Business Performance				
4	- BEAS_MTC	Beas Maintenance of Resources (Machines, Tools) and shipped Components / E				
5	- BEAS_PCONFIG	Beas Product Configurator				
6	- BEAS_PROJECT	Beas Project Management				
7	BEAS_BCONFIGWEB	Beas Product Configurator (web user)	2			0
8	BEAS_BCONFIGSALES	Beas Product Configurator Single Sales User (WEB access or SAP Client)	999	4	4	0
9	BEAS_NETRONIC	Beas APS Gantt Viewer	999	16	16	0
10	BEAS_TERMINAL_FDC	Beas App: Time Recording, Clock in, Clock out, Absences (Terminal)	999	0		0
11	BEAS_TERMINAL_INV	Beas App: Inventory	999	0		0
12	BEAS_TERMINAL_MATERIAL	Beas App: Issue / Receipt / Allocation for Production, Pick and Pack, Labels, S	999	0		0
13	BEAS_TERMINAL_PDC	Beas App: Production Data Collection, Start, Interrupt, Completion, Finished G	999	1	1	0
14	BEAS_TERMINAL_PO	Beas App: Goods Receipt for Purchase Orders, Labels, Stock Information	999	0		0
15	BEAS_TERMINAL_QC	Beas App: Quality Control	999	0		0

At the bottom of the window, there are buttons for OK, Cancel, Reload License, Read from portal, and Connection.

For further details and examples, please read our article:

<https://support.boyum-it.com/hc/en-us/articles/6358692897053>

System

Debug log: performance improvement

NEW functionality: The creation of a debug file is much faster than in the past for Debug with many recorded lines.

Example:

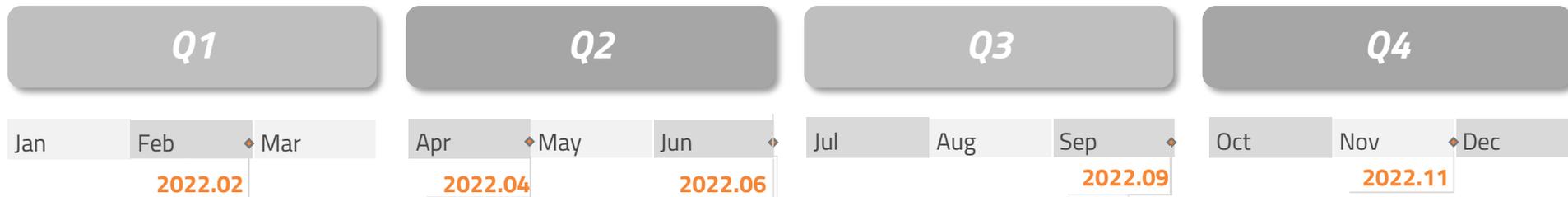
On a test system we recorded a Debug log with more than 9000 lines, which resulted in a 10 MB debug file.

Before the optimization, the creation of the file took almost 10 minutes.

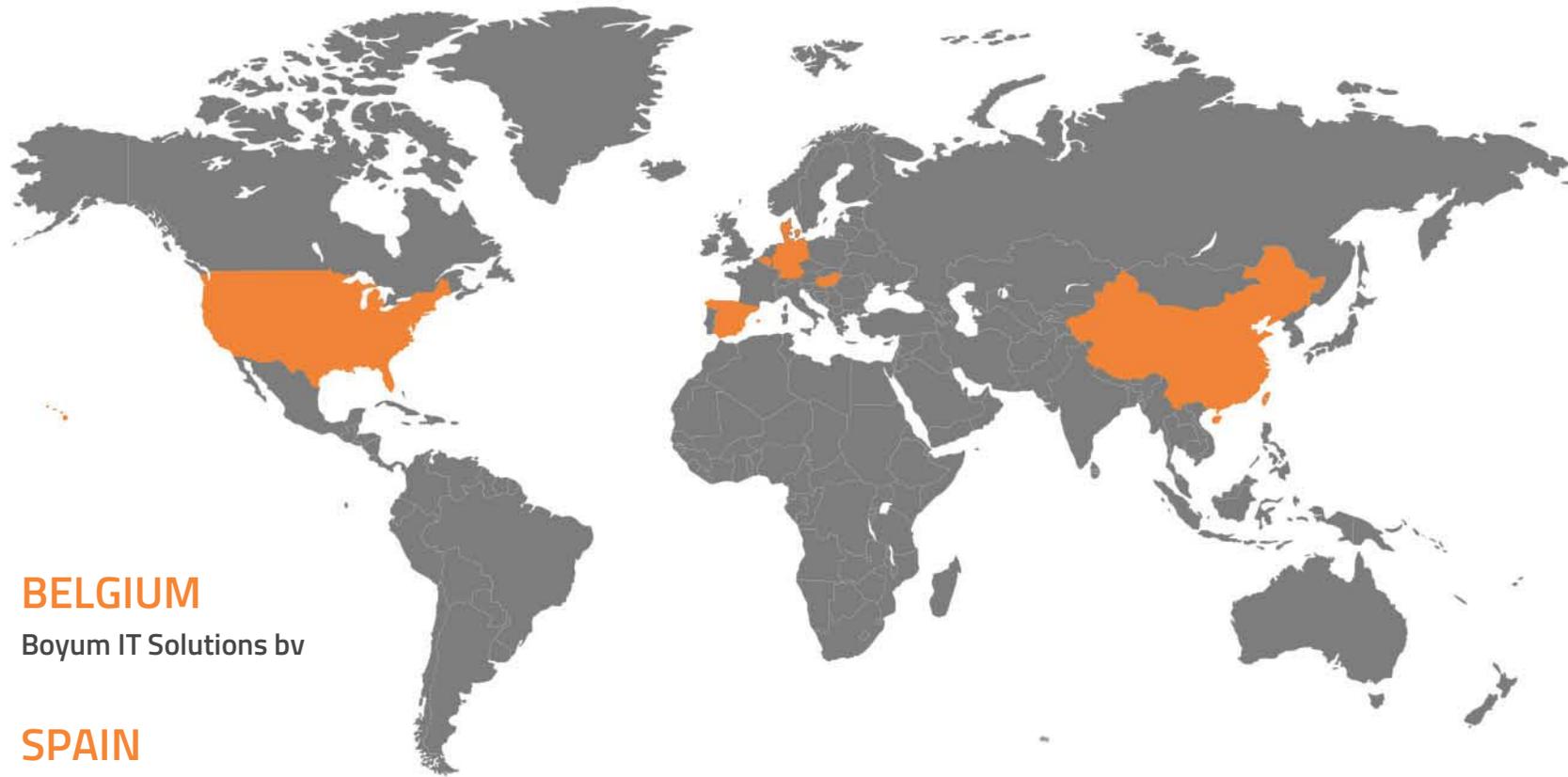
After the optimization, the same process finishes in less than 3 minutes.



2022 Planned releases



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



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