Version 18.4

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Tested SAP B1 versions

- SAP B1 9.3 PL07 (MSSQL 2012 and HANA 122.16)

Note: Older and newer SAP B1 versions will usually also work, but have not been specifically tested in this version.

Produmex WMS has now been integrated with the Boyum license portal.
This means that a new license file needs to be requested using the Boyum license portal.
The license module will retrieve automatically the license from the portal.

Please note that from version 18.3 Produmex WMS supports 9.2 Patch level 5 and later for SAP B1.

18.4.1.21

DB version: 684

DB Branch version: 0

Required Add-On Loader version: 7

- **Sales**
  - **1.Minimum reserved stock per customer**
    - This functionality allows to configure on the item master data which customers should have a minimum stock quantity that should be reserved for that customer
    - The robot tool can be executed to make the stock locking for the configured customers. *(type = customerminimumstock)*
    - Stock lockings are done on locking level 'Item - Quality'. This means that this functionality does NOT hold a lock against a batch, so oldest batches are not being blocked for this functionality.
    - For more information please consult with:
      18.4. Configuration guide - 3.1.3.2. Sales and *18.4. Functional guide - 31. Reserving minimum stock for customers*.

- **2.Picking**
  - Added a new 'Prepare carts' flow.
    - This flow can be used to prepare carts for the Multi picking flow.
      It is possible to define a movable location + Destination SSCC per pick list.
    - New print event added for the printing of new SSCC's that will be used as destination SSCC
  - Multi-picking flow:
    - Allow to scan the destination SSCC in case there is an SSCC assigned in the Prepare carts flow
    - For more information please consult with:
      18.4. Configuration Guide - 5.1.3.44. Picklist controller / Prepare carts and *18.4. Functional guide - 19.2 Multi picking*.
- **3.Packing**
  - On the packing flows on the touchscreens the main packing window now accepts to scan a barcode to mimic the pressing of a button. The barcode needs to start with <BUTTON>, and next the translation key of the button. When that is scanned, the system will 'press' the button.
    - Examples:
      - <BUTTON>MSG_BUTTON_PACKING_ADD_SSCC
      - <BUTTON>MSG_BUTTON_PACKING_IDENTIFY_CART
      - <BUTTON>MSG_BUTTON_PACKING_ADD_ITEMS
      - <BUTTON>MSG_BUTTON_PACKING_FINISH_PALLET
      - <BUTTON>MSG_BUTTON_SELECT_ALL
      - <BUTTON>MSG_BUTTON_PACKING_SKIP_ITEMS
    - For more information please consult with *18.4. Functional guide - 9. Packing flows / Button specific barcodes*.
- **4.Stock allocation views**
  - The column 'OpenQuantityNotAllocated' has been renamed to 'OpenQtyNotAllocated'. This is because to use the form settings of the screen, the column name cannot be more than 20 characters long.
    The standard views have been changed automatically.
    But when using a customized view, this view needs to be adjusted.
    - Please see section *18.4.Configuration Guide - 5.1.3.59. Stock allocation controller*.

- **Performance**
  - **1.HANA**
    - Reworked the way an SP is called.
      - This speeds up processes like Picking, Packing, Moves, etc.
  - **2.UI**
    - Item master data form: Speed up creation of the screen
    - Open sales order form: Reworked filling up comboboxes
    - All forms:
      - Translate form in separate thread
      - Caching more UI COM objects
  - **3.Production receipt**
    - When making a receipt *(ProduceExtended() method)*
      - Get item info in bulk instead of 1 by 1
      - Cache data
      - Reworked way to get master data

        - Cache consumption algorithm
            - Helps performance when there are lined up locations that need to issue stock.
    - **4.Queries**
        - Added more WITH(NOLOCK) hints (SQL only)
            - This helps in reducing the need to wait for locks on a table to be released.
        - Reworked function PMX_FN_GetOpenSalesOrdersWithStockStatus (SQL only)
        - Inventory report: Removed the need to call a function to get the Purchase delivery information.
    - **5.Pick list proposal creation:**
        - Added setting on pick list proposal generator if the stock status needs to be calculated.
            - For a new DB this setting is by default 'false'. Existing DB's will have the setting set as 'true'.
              When not using the data in the columns 'Full stock' and 'Stock compliant shelf life' will not be calculated.
        - Reduced number of queries being executed
        - For more information please consult with *18.4. Configuration Guide - 5.1.3.45. Pick List Proposal generator*.
    - **6.Cycle count**
        - Move stock from counted location to Lost & Found location
            - Use direct connection instead of SAP connection
            - Other improvements on moves (See below)
    - **7.Moves** (This also includes processes like Picking/Packing/Cycle count/…)
        - Run single queries instead of 1 query per move line
        - Cache more master data, so it doesn't get queried for each line
        - Use Freestock view instead of multiple queries to get/check whether the stock is free.

- **Production**
    - **1. Added new hook flow** on the production receipt flow: AfterProductionOrderSelectedProductionReceiptHook
        - Is triggered after the user selected a production order

- **General**
    - **1. User-friendliness**
        - Enter LUID data on finished pallet: Set focus to quantity control + allow to press <Enter> to proceed to the next screen
    - **2. Traceability report** did not show correct quantity in the moves grid for put away orders where there are multiple rows in the stock detail table (PMX_INVD).
        - Warehouse transfers also suffered from the same behavior.
    - **3. License module has changed:** Now using the Boyum license portal.
        - For more information please consult with section: *v18.4. Installation Guide - 3.2.2. Produmex License Server configuration*.

Bugfixes

- 90492 - Sales Delivery - Not passing Sales BoM parent as reference 18_4_1_101
- 91358 - Shipping - Error when posting delivery with BoM, after packing 18_4_1_101

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