Produmex Scan Complete Configuration Guide

1. Configure Produmex Scan

When starting Produmex Scan for the first time on your device, the Configuration screen will open up. To change the configuration after the first use, run the Configure Produmex Scan application.

1.1. General tab

On the 'General' tab determine the connection settings and the language of the application.

- Add the Server URL of the server where the client application will connect. The server URL consist the IP address of the server where the Service Broker runs and the port number. The port number is 50231 by default. Press the '...' button to scan for servers.
- After the Server URL has been added, the active databases assigned to the Service Broker are listed on the box. Select the company database from the list. If the application cannot connect to the server, an error message is shown.
- Select the language of the client application from the Language dropdown menu.
- Press the 'ID' button to see the device ID.

| OK Cancel |
|--------------------------------------|
| Client configuration parameters |
| General Advanced Diagnostics |
| Server URL tp://192.168.0.143:50231/ |
| TEST_WMSMF TEST_WMSMF |
| TEST_SCAN TEST_SCAN |
| - |
| Language English 💌 |
| ID |

1.2. Advanced tab

Go to the 'Advanced' tab for further configurations.

• If you would not like to use the built-in operating system default control buttons, check the 'Do not

use built-in OS buttons' checkbox. It is recommended to disable the built-in buttons on Windows CE, in desktop mode or when using remote desktop connection.

- For customization purposes the Customization Assist Mode can be enabled by ticking the checkbox. For more information about customization please see: Produmex Scan Customization Guide
- Select a Windows layout from the dropdown menu. Possible values:
 - Normal: recommended in desktop mode
 - Maximized Borderless: recommended in Windows CE
 - Desktop Fullscreen: recommended when using remote desktop connection
- Tester Mode: The tester mode is for internal testing purposes only. Do not check this box.

| OK Cancel |
|------------------------------------|
| Client configuration parameters |
| General Advanced Diagnostics |
| Don't Use Built-in OS Buttons |
| Customization Assist Mode |
| Win. Layout Maximized Borderless 💌 |
| |
| |
| |
| ✓ Tester Mode |
| 1. I Cator Mode |
| |

1.3 Diagnostics tab

On the 'Diagnostics' tab network and process performance diagnostic tests can be ran.

| OK Cancel | |
|--|---|
| Client configuration parameters | |
| General Advanced Diagnostics | |
| >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>> | ^ |
| Client time: 4/28/2017 1:19:38 PM Server: http://192.168.0.143:50231/ | |
| T01: Speed (2 calls avg.): 1074 kB in 54 ms (20091 kB/s) | |
| T02: Calls (100 calls avg.): 1 ms (= 1 + 0) | |
| T03: Get Item (100 calls avg.): Item"ITEM03", 9 ms | ~ |
| Run Test | s |

Press the 'Ok' button to apply the configurations.

2. Setting Up the Master Data in the Produmex Scan

To be able to use the mobile application you have to set up the master data in the Produmex Scan add-on. If you want to print labels from the mobile application, you have to set up the printers and the label layouts that you want to use. You also have to set up the employees that can use the mobile application and their rights for the specific mobile functions.

2.1. Setting Up the Printers

You can set up the printers at Administration>Setup>Inventory>Produmex Scan>Printers Setup. You can enter the printers either with IP Address or with their name on the server. Currently Zebra printers and crystal reports are supported (you can select them at Printer Type).

| Description | Is Active | Is Network Printer | IP Address | Port Number | Local Printer Name | Printer Type | |
|-----------------|-----------|--------------------|---------------|-------------|--------------------|--------------|---|
| Backup Zebra | ~ | ~ | 192.168.0.143 | 9100 | | ZebraZPL | • |
| Mobile Zebra 01 | ~ | ~ | 192.168.0.144 | 9100 | | ZebraCPCL | * |
| | | | | | | | • |
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If the *Is Network Printer* checkbox is turned on, the add-on will send the data to print on the network (with IP address and port). If it is turned off, then the data is sent to the printer that is set in the Local Printer Name column. If the Is Active flag is turned off, the printer cannot be selected in the mobile application.

You can also define the layouts that can be used with one printer. You have to select the line of the printer and right click on it then choose Select Layouts.

You can select several layouts in a small grid. With Visual Order you can determine the order in which they will appear in the list.

| Printer Description | Backup Zebra | | | |
|---------------------|--------------|--------------|---|---|
| Layout Set Code | | Visual Order | | |
| 10x15 labels (ZPL) | • | | 1 | * |
| 15x20 labels (ZPL) | • | | 2 | |
| A4 (ZPL) | • | | 3 | |
| | • | | | |
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2.2. Defining the Layouts

You can define the layouts at Administration>Setup>Inventory>Produmex Scan>Printing Layout Sets. Here you can define which layout files should be used for the specific labels at printing:

| Description | Bin Code Layout File | Stock Normal Label Layout File | Stock Batch Label Layout File | Stock Serial Label Layout File |
|---------------------|------------------------|--------------------------------|-------------------------------|--------------------------------|
| l0x15 labels (CPCL) | BinCode10x15_CPCPL.prn | StockLabel10x15_CPCL.prn | StockLabel10x15_CPCL.prn | StockLabel10x15_CPCL.prn |
| 10x15 labels (ZPL) | BinCode10x15_ZPL.prn | | StockLabel10x15_ZPL.prn | |
| x20 labels (CPCL) | BinCode15x20_CPCPL.prn | | StockLabel15x20_CPCL.prn | |
| x20 labels (ZPL) | BinCode15x20_ZPL.prn | | StockLabel15x20_ZPL.prn | |
| A4 (Crystal) | BinCodeA4.rpt | | StockLabelA4L.rpt | |
| 44 (ZPL) | BinCodA4_ZPL.prn | | StockLabelA4_ZPL.prn | |
| | | | | |
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Bin Code Layout File is for bin locations, Stock Normal Label Layout File is for normal items, Stock Batch Label Layout File is for batch managed items and Stock Serial Label Layout File is for serial managed items. You can define the place of the layout files at Administration>Add-Ons>Produmex Scan>Produmex Warehouse Settings on tab Reports at setting Report Layout Folder. We recommend using a network folder.

2.3. Layout formats

2.3.1. Crystal Reports

Regular Crystal Reports RPT files which can contain one or more of the documented parameters. The report can connect to and read from the database. The database logon parameters (username, password, server, company name) are set by Warehouse before executing the report.

2.3.2. Zebra ZPL

Zebra ZPL files (or CPCL files) are text files which can contain one or more Placeholder strings. The placeholders will be replaced by Produmex Scan before it is sent to the (networked TCP/IP or local printer on the server) Zebra printer.

Sample Stock Label ZPL file (text file), with placeholders highlighted:

```
^XA
^PW632
^LL0472
^CWD,E:ARI000.FNT
^CFD,24
^FT434,270^FDItem;^FS
^CF0,24^BY3,3,95^FT135,170^BCN,,Y,N
^FD{Quantity}{0ITM.InvtryUom}^FS
^FT492,270^FD{0ITM.ItemCode}{0ITM.ItemName}^FS
^PQ1,0,1,Y^XZ
```

2.3.3. Bin Code Layout

| Zebra ZPL | Crystal Reports |
|---|---|
| ZPL file is printed for every bin location found for the given mask. | Crystal report file is run once with the mask as the parameter: |
| Placeholders: | Parameters: |
| {OBIN.BarCode} {OBIN.BinCode} (Every field including user fields are available from OBIN table, reference it with the database column names) | BinCodeMask – Bin code mask with * eg. 01-A-1-1* |

| Zebra ZPL | Crystal Reports |
|---|---|
| { {OOIITTMMIItteemmCNaodmee} } {OITM} | |
| {Quantity} {OBTN.BatchNumber} {OBTN.CreationDate} {OBTN} {OSRN.MnfSerial} {OSRN.DistNumber} {OSRN} Every field (including user fields) available from OITM table For batches only: every field (including user fields) available from OBTN table For serials only: every field (including user fields) available from OSRN table | ltemCode BatchNumber SerialNumber Quantity |

2.4. Setting Up Employees

The user specific settings for Produmex Scan users can be configured on the Employee Master Data. The following settings can be configured:

- User authorization
- User password
- Favorite menus
- Printers

2.4.1. Authorization fields

To authorize a functionality for the employee, set the corresponding UDF to 'Yes'. The employee will only see the authorized functions on the main menu of the client application.

Please note: The 'Query stocks' function is authorized for every employee by default. It does not have an authorization UDF.

| mployee Master | Data | | | | _ 🗆 🗙 | ▲ ▼ General | | * <u>×</u> |
|----------------------|-------------------|-----------------------------|---------------|---------------------------------------|-------------|------------------------------|----------|------------|
| rst Name | John | Employee No. | 1 | | | Aut. for Bin Loc. Locking | No | • |
| iddle Name | John | Ext. Employee No. | - | | | Aut. for Cash and Carry | No | • |
| odie Name st Name | Doe | Active Employee | - | | | Aut. for Credit Note | No | • |
| st Name | Doe | V Active Employe | = | | | Aut. for Goods Issue | No | • |
| b Title | | | | | | Aut. for Goods Receipt | No | • |
| sition | • | Office Phone | | | | Aut, for Goods Receipt PO | Yes | • |
| epartment | • | Ext. | | | | Aut. for Issue for Prod. | Yes | • |
| anch | • | Mobile Phone | | | | Aut. for Picking | Yes | • |
| anager | | Pager | | | | Aut. for Picking Delivery | No | * |
| er Code | • | Home Phone | | | | Aut, for Quick Counting | No | • |
| les Employee 🛛 👄 | -No Sales Employ▼ | Fax | | i i i i i i i i i i i i i i i i i i i | | Aut. for Receipt from Prod. | Yes | * |
| ost Center | | E-Mail | | | | Aut, for Recommendations | No | * |
| | | Linked Vendor | | | | Aut, for Sales Issue | No | • |
| Address Mem | bership Administ | tration Personal | Finance | Remarks | Attachments | Aut. for SO Creation | No | • |
| - | | _ | _ | | | Aut. for SO Transfer | No | * |
| Work Address | | Home Ac | <u>idress</u> | | | Aut, for Sales Return | No | • |
| | | | | | | Aut, for Stock Counting | No | * |
| | | | | | | Aut, for Stock Transfer | No | • |
| - | | | | _ | | Aut. for Batch Delivery | No | • |
| Street | Clearwater Dr 45 | Street | | | | Aut. for Batch Transfer | No | • |
| Street No. | | Street No |). | | | Aut. for Bin Attributes | No | • |
| Block | | Block | | | | Aut. for Free GR PO | Yes | • |
| Building/Floor/Room | | | Floor/Room | | | Aut. for Mass Transfer | No | • |
| Zip Code | | Zip Code | | | | Aut. for Packing | Yes | • |
| City | San Diego | City | | | | Aut. for Print Labels | No | • |
| County | | County | | | | Aut. for Production Return | Yes | • |
| State | | State | | | | Aut, for Receipt By-Products | No | • |
| Country | USA | Country | | | | Aut. for Transfer Request | No | • |
| | | | | | | Default Printer | 0000009 | |
| | | | | | | Mobile Password | 2RprVzCG | |
| | | | | | | | | |

2.4.2. Default Printer

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On the *Default printer* UDF the printer used in customization can be defined. This printer will only be used in customization, it will not be listed among the printers defined for the user.

2.4.3. User password

Set the user password on the Mobile Password UDF.

2.4.4. PIN Code

By default the user can login with the *Employee No*.. If there is a *PIN code* set, it is possible to log in with the *PIN code* as well.

 $implementation: scan: complete confguide\ http://wiki.produmex.name/doku.php?id=implementation: scan: complete confguide\ http://wiki.php?id=implementation: scan: complete confguide\ http://wiki.php?i$

| 🐮 Login | | . | Ϋ́κ €€ | @ > | < |
|----------------|-------------|----------|--------|------------|---|
| Company | TEST_S | CAN | | | |
| User | 3456 | | | | |
| User Name | John Doe | • | | | |
| Password | | | | | |
| Printer | Mobile Z | ebra 01 | 1 | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Client versior | 1: 17.04.06 | 001.18 | 920 | | |
| Logi | n | | Exit | | |

2.4.5. Mobile User Preferences

To configure the favorite menus for a user, select the '*Mobile User Preferences*' option from the rightclick menu or click on the '*Mobile User Preferences*' button on the 'Administration' tab.

| Employee Maste | er Data | | | | | | |
|----------------------------|----------|-------------|----------|--------------|-----------------------|----------|-------------|
| First Name | John | _ | Emplo | yee No. | 1 | | |
| 4iddle Name | | | | mployee No. | | | |
| .ast Name | Doe | | ✓ A | tive Employe | e | | |
| ob Title | | | | | | | |
| osition | | • | Office | Phone | | | |
| epartment | | • | Ext. | | | | |
| iranch | | • | Mobile | Phone | | | |
| lanager | | | Pager | | | | |
| Jser Code | | * | Home | Phone | | +90 | |
| | | | Fax | | | 1 | |
| Cost Center | | | E-Mail | | | | |
| | | | Linked | l Vendor | | | |
| Address Me | mbership | Adminis | stration | Personal | Figance | Remarks | Attachments |
| Status Termination Date | | | | - | Absence Educatio | | |
| Termination Reason | | | | - | Reviews | | |
| | Remove | | | | revi <u>o</u> us Empk | pyment | |
| - | - | ship Map | | M | obile User Pre | ferences | |
| | | Jser Prefer | | | Mobile User Printers | rinters | |
| | Mobile U | Jser Printe | rs | I – | | | |
| _ | | | | - | | | |
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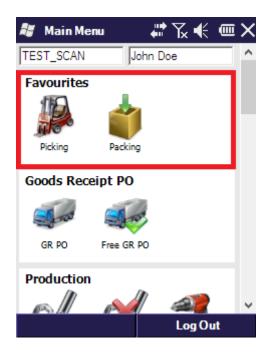
The 'Mobile User Preferences' form will open up. On the header of the form the *Employee ID* and the *Employee Name* are shown.

Select a menu point from the dropdown list on the 'Mobile Menu ID' column then define the sequence of the menu buttons on the 'Visual Order' column. Menu points with the smallest visual order number will be shown first.

Click on the 'Update' button to apply the changes.

| EmployeeID | 1 | Employee Name | Doe, John |
|---------------|----|---------------|-----------|
| Mobile Menu | ID | Visual Order | |
| ButtonPicking | 9 | • | 1 |
| ButtonPackin | Ig | • | 2 |
| | | • | |
| _ | | | |
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| | | | 1 |

The favorite menu buttons will be displayed on the top of the main menu of Produmex Scan.



2.4.6. Mobile User Printer

On the Employee Master Data select the 'Mobile User Printers' option from the right-click menu or

click on the 'Mobile User Printers' button on the 'Administration' form.

| mployee Master | Data | | | | | | | |
|--|---------------------------|-----------|----------|---------------|--|--------------------|-----|------------|
| First Name | John | | Employ | vee No. | 1 | | | |
| fiddle Name | - | | | ployee No. | | | | |
| ast Name | Doe | | Act | tive Employee | | | | |
| ob Title | - | _ | | | | | | |
| osition | | | Office F | Phone | | _ | | |
| epartment | _ | * | Ext. | | | | | |
| Iranch | | | Mobile | Phone | | | | |
| lanager | | | Pager | | | | | |
| Iser Code | | * | Home F | Phone | | | | |
| | -No Sales | Employ* | Fax | | | | 8 | |
| Cost Center | | | E-Mail | | | | | |
| | | | Linked | Vendor | | | | |
| Add <u>r</u> ess Mem | bership | Adminis | tration | Personal | Finance | Remar | s A | ttaghments |
| Start Date Status | | | | - | Absence Educatio | | | |
| | | | | | Locoto | | | |
| Termination Date | | | | | | | | |
| Termination Date Termination Reason | | | | • | Reviews | | | |
| | Remo | | | | Reviews revi <u>o</u> us Emple | | | |
| | Remov | | | | | oyment | | |
| | Relatio | nship Maj | | Me | revi <u>o</u> us Emple obile User Pre | oyment ferences | 1 | |
| | <u>R</u> elatio Mobile | | erences | Me | revi <u>o</u> us Empk | oyment ferences | 1 | |

The 'Mobile User Printers' form will open up. On the header of the form the *Employee ID* and the *Employee Name* are displayed.

Select the printer from the dropdown menu. Every printer defined on the *Printers* table is listed.

Add the sequence of the printer on the visual order column.

| M | obile User Pr | inters | | | | × |
|----|-----------------|--------|------|---------------------|---|---|
| Em | ployeeID | 1 | Empl | oyee Name Doe, John | |] |
| | Printer | | | Visual Order | | |
| | Mobile Zebra 01 | | • | | 1 | - |
| | Backup Zebra | | • | | 2 | |
| | Mobile Zebra 02 | | • | | 3 | |
| | | | • | | | |
| | | | | | | |
| | | | | | | |
| _ | | | | | | |
| _ | | | | | | |
| _ | | | | | | - |
| | | | | | | |
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| | | | | | | |
| | | | | | | |
| | ОК | Cancel | | | | |

The printer with the lowest 'Visual Order' value will be shown as the default printer on the Login screen or before printing. It is possible to change the default printer. Press the '...' button then select a printer from the list. Every printer defined for the user on the 'Mobile User Printers' form will be listed. The order of the list depends on the 'Visual Order' value.

| 💐 Login | ///////////////////////////////////// | 📲 🛛 Print La | bels | _╬Ҡू€@× | 💐 Printers | .#X. € × |
|-------------------|---------------------------------------|--------------|----------|--------------|-----------------------|----------|
| Company | TEST_SCAN | Remarks | A1000 * | Normal Paper | Name: Mobile Zebra 01 | <u>•</u> |
| User User Name | 3456 John Doe | Quantity | 158 pcs | | Name: Backup Zebra | |
| Password | | UoM | pcs | | Name: Mobile Zebra 02 | |
| Printer | Mobile Zebra 01 | Labels | 1 | | | |
| | | Printer | Mobile Z | ebra 01 | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Client version | 17.04.06001.18920 | | | | | • |
| Logi | n Exit | Prin | t | Back | Choose | Cancel |

3. Produmex Scan Settings

Settings for the system can be found in the add-on, under Administration>Add-Ons>Produmex Scan>Produmex Scan Settings.

3.1. General tab

The following table describes the fields that appear in the 'General' tab of the Produmex Scan Settings window.

| Field | Description/Activity |
|---|---|
| Don't translate trace | If this checkbox is checked, the trace will be displayed in English. Otherwise it will be displayed in the language currently set. |
| Advanced Progress Bar | If this checkbox is checked, the system will display the Produmex Scan Advanced Progress Bar instead of the Business One Progress Bar. We recommend using the Produmex Scan progress bar, as at long processes SBO progress bar can stop. |
| DisplayTimeUoM | The default Time Unit of Measure for operations. |
| Company Logo | The company's own logo, used in reports. Path to image file requested. |
| BxBackOffice Server URL | This setting is not in use in Produmex Scan |
| Chart XML Folder | The Work Center Usage form will create an XML file inside this folder, from the data of the WCU chart. If this setting is not set, the system will use the "C:\Documents and Settings\%Username%\Application Data\BX\XML" folder, where %Username% means the user currently logged in. |
| Produmex Support Business Partner | If an error occurs, a message box is displayed with the error details. You can send the error message to Support from this message box. You will need to set a Business Partner first, and set the Contact Person's email address. Set this Contact Person's code for the Produmex Support Business Partner field. You have to set up SBO Mailer for this function to work. |
| Name of last started AddOn | This is an internal field, containing Name of the last started add-on. |
| Date of last started AddOn | This is an internal field, containing Name of the last started add-on. |
| Time of last started AddOn | This is an internal field, containing Time information about the last started add-on. |
| Use Message Board | The message board lets add-ons communicate with each other. In some cases, events are forwarded to non-Produmex add-ons. In this case, turn this setting off, but in this case communication between Produmex add-ons will stop. |
| TxSyncServer URL | Not used in Produmex Scan. |
| Seconds of last started AddOn | This is an internal field, containing information about the last started add- on. |
| Grid Row Count Decrease Number | Decrease height of form grid to allow buttons being correctly seen at the bottom of the window. Positive integer needed. Useful if you have SAP 8.8 or higher with a low resolution monitor and the buttons are in the grids. |
| Close Stucked AddOns | If this checkbox is checked, when the add-on is starting it will kill any other instance of BXWH9AddOn.exe. Only one Produmex Scan add-on can run at a time. |
| Enabe Produmex statusbar (SBO 8.8 or above) | Produmex Scan has it's own statusbar. Sometimes there were SAP errors, using SAP default statusbar. |
| Do Not Use GetAsXml | This setting is not in use in Produmex Scan When Produmex Scan request table information, we can use GetAsXml SAP function. Sometimes there were SAP DI errors, in this case we can use a Produmex Scan function to request the data. |
| Password for DI Connection | Modify DI connection mode to work around for SAP 9.0 pl9 hotfix 1 bug by direct DI connection |

3.2. SQL tab

The following table describes the fields that appear in the 'SQL' tab of the Produmex Scan Settings window.

| Field | Description/Activity |
|-------------------------|---|
| ADO.NET SQL Username | The User name for the MS SQL database (usually sa). Scripts use this setting (for example for upgrading a database). |
| SQL Time out in seconds | SQL Timeout setting for SQL queries. |
| Validator SQL Timeout | This setting controls how long the system will wait for a response for SQL queries. If a timeout is reached, the system will throw an exception, and the guery is canceled. |

3.3. Logs tab

The following table describes the fields that appear in the 'Logs' tab of the Produmex Scan Settings window.

| Field | Description/Activity |
|----------------------------------|---|
| Auto Purge Audit Logs in days | The add-on logs each database transaction in the Audit Log table. This log can be deleted automatically in the interval set here. The default setting is 30 days. |
| Keep Audit Logs in days | The system deletes the log entries, which are older than the number of days set here. |
| | If this checkbox is checked, the system logs every Resource String from open forms to a log file in the BX Log folder. |
| Logging Level | Sets which events are logged (errors, warnings, information, both). The default path is: "%System Folder%\Documents and Settings\%Username%\Application Data\BX\Logs" |

3.4. Reports tab

The following table describes the fields that appear in the 'Reports' tab of the Produmex Scan Settings window.

| Field | Description/Activity |
|-----------------------------|---|
| Report Layout Folder | The folder which contains the RPT files for reports. |
| Report Output Folder | The folder which will contain the generated PDF files for reports. |
| Paper Size (Reports) | Paper size for reports. Example: A4, A3 |
| Paper Orientation (Reports) | Paper orientation for reports. Example: portrait, landscape |
| Printer Name (Reports) | Printer name for reports. |
| Print Preview (Reports) | If this checkbox is checked, the system will generate a PDF file from the Print Preview, before printing. |
| Preview with Watermark | This checkbox is not used currently. |

3.5. Produmex Scan General

The following table describes the fields that appear in the 'Produmex Scan General' tab of the

Produmex Scan Settings window.

| Field | Description/Activity |
|--|---|
| Maximum number of documents to display per page (more than 20 may cause performance issues) | Defines the maximum number of lines displayed on one screen. If the number of the lines to be listed exceeds this number, page navigator buttons are displayed on the screen. Use these buttons to navigate between pages. <i>Please note: The Refresh button must be pressed in order to</i> <i>apply the added filters even though the navigation buttons are</i> <i>displayed.</i> |
| Maximum number of serials/batches to display (more than 100 may cause performance issues) | If you work with serial/batches numbers, with this setting you can limit the number of the displayed items. |
| Enable multi-item Stock Transfers | It allows to park transactions before you post them. |
| Ignore special lines when creating Documents | It is enable, the text lines of a sales order won't be copied to a delivery. |
| Exclude Sales Orders when checking allocated quantities | It is related to sales order. If it's enable the allocated qty of sales order can be used. |
| Sales return document location must be the same | Items can only be returned to the same bin location. |
| Credit note document location must be the same | Items can only be returned to the same bin location. |
| Keep base document line order for Delivery (instead of picking order) | It is related to setting 'Ignore special lines for documents'. |
| Real-time Stock Counting | If enabled, Produmex Scan automatically updates the Inventory Counting document with the result of the counting after pressing the Finish button in the end of Stock counting or Quick counting. If this setting is disabled, the counting result will be stored in a user table. |
| Show all Stock Counting data on scanners | If enabled, already counted items are listed on the Stock Counting screen. <i>Please note: Items with different batch or serial</i> <i>number will be listed in separate lines.</i> If disabled, only the number of the counting records is displayed. |
| Display all sheet bin locations for Quick Counting | It is enable all bin location will be displayed for quick counting. |
| Sticky destination location for Stock Transfer Requests | If enabled, the last To: location will be remembered during processing Stock Transfer Request, this can be convenient if STR items are put in the same destination location (maybe a cart, pallet, etc.) |
| Keep focus on prepared line (all processes) | If enabled, the last To: location will be remembered during processing Stock Transfer Request, this can be convenient if STR items are put in the same destination location (maybe a cart, pallet, etc.) |
| Display completed Stock Transfer Request lines at the end of the list | At Stock Transfer Request process the processed lines will be shown in the bottom of the list. |
| Goods Receipt PO quick refresh mode | Enable for GR/PO quick refresh mode. |

| Field | Description/Activity |
|---|--|
| Copy user fields from base line to Serial/Batch Details (Goods Receipt PO only) | Enable this setting to copy the UDF value from the purchase order lines to the matching Serial/Batch detail field when the Goods Receipt PO is created. <i>Please note: The value will be copied only if the UDF and the</i> <i>Serial/Batch detail has the exact same name.</i> |
| Timeout for messages (except for errors, seconds) | Warnings, Information messages, are closed automatically after the time set at this field. |
| Diagnostic Client Log settings | Special option for collecting error logs from the mobile client. Only use when instructed by Produmex support. |
| Don't show icons on main menu (use buttons instead) | Display only simply buttons with no icons. |
| Detailed mobile log | Only for picking and stock transfer. More details are recorded in to table: @BXPLMSMOBLOG |

3.6. Produmex Scan Scanning

The following table describes the fields that appear in the 'Produmex Scan Scanning' tab of the Produmex Scan Settings window.

| Field | Description/Activity |
|---|--|
| Item code or item barcode must be scanned for Sales Order | If this option is enabled, then the item code or the item's bar code must be scanned when delivering the sales; otherwise the item is prefilled and doesn't need to be scanned. |
| Item code or item barcode must be scanned during Picking | If this option is enabled, then the item code or the item's bar code must be scanned during picking; otherwise the item is prefilled and doesn't need to be scanned. |
| Prefill quantities for Goods Receipt PO | Prefill quantities (separate options for different processes): |
| Prefill quantities for Picking | None : No prefill will be used for this task. |
| Prefill quantities for Issue for Production | Open : The system will fill in the quantities of all receives as the full expected or full remaining expected quantity. For example: if |
| Prefill quantities for Receipt from Production | the order is 20 and 5 have been received, the system will default the next receive for 15. |
| Prefill quantities for Return Components | Unit : The system will fill in the quantities with one unit. |
| Prefill unique batches (outgoing processes) | For unique prefixed batch numbers. With this setting it will be filled out automatically. |
| Prefill unique batches for Stock Counting | For unique prefixed batch numbers. With this setting it will be filled out automatically. At Stock Counting. |
| Post the corresponding quantity when scanning item bar code in quantity field | When scanning an item's bar code into a quantity field, a quantity of 1 for the corresponding UoM is pre-filled; if this option is enabled, the quantity is automatically posted/added, otherwise the user has to press the Add/Update/Post button. |
| Auto book unit when scanning normal item for Stock Counting | When doing inventory counting, scanning a barcode automatically counts a unit (eg. 1 piece, 1 carton) for the item |
| Barcode scanner prefix Barcode scanner suffix | If the barcodes contain prefix/suffix characters that should be removed before processing it, you can specify it here. Eg. if you have a (and) prefix/suffix, the printed item barcode can look like (A1000) which will be processes as A1000. |

| Field | Description/Activity |
|--|--|
| GS1-128 barcode group separator | Group separator character for GS1-128 type barcodes. Example: \$ |
| Code ID type | For GS1-128, there are two international standards, the Symbol standard and the AIM standard. With Symbol CodeID, the scanned input text is prefixed with (K for GS1128. Currently only Symbol is supported. |
| Allow selecting locations from Find Stocks screen (outgoing processes) | If enabled, the Find Stocks button on the Pick List - item quantities screen allows to select an location. |
| Allow selecting batches from Find Stocks screen (outgoing processes) | If enabled, the Find Stocks button on the Pick List - item batches screen allows to select an existing batch. |
| Optimized mixed serial/bin handling (Goods Receipt PO, Stock Transfer Request) | At GR/PO lines screen you have to enter the bin locaion and serial. With this you can save one step |

3.7. Produmex Scan Picking

The following table describes the fields that appear in the 'Produmex Scan Picking' tab of the Produmex Scan Settings window.

| Field | Description/Activity |
|--|---|
| Allow working on already taken Pick Lists | It is advised for an extend pick list. More than one user is allowed to pick the items included in the list. |
| Real-time Picking (post instantly after picking an item) | If enabled (default) every picking action instantly updates the SAP Pick List document. |
| Allow changing bin/batch/serial allocations for Picking | If enabled, the bin/batch/serial numbers are allowed to be different than what is specified in the Pick List. |
| Speed Picking (Real-time Picking must be disabled) | If it is enabled, the lines from the selected picklist are loaded only once, when the Picking screen is first opened for that pick list. The selection automatically jumps onto the next un-picked line following the line last picked; this is another improvement to simplify the picking process. |
| Sequential Picking ('Speed Picking' must be enabled) | If it is enabled, the entire control stays basically in the Picking Line Details screen, and the control jumps back to the Pick List screen only after the last line has been picked. The user can always jump back with the Back button, of course. |
| Streamlined Picking | Enables a special POS-like mode for picking where all items are picked from a single bin location or non-bin warehouse. In this case, scanning an item code or barcode automatically adds a quantity of 1 (can be changed on the screen) to the picked quantity. |
| Pick List lines quick refresh mode | When picking from a non-bin warehouse the Pick List - lines screen can be set to only refresh the current line data (quantities), not the whole list. |
| Release active Pick List on timeout | During picking, the Pick List is allocated to the working employee. If there is a timeout and the worker is forced to the main menu, if this option is set the pick list will be reset to be available to others. |

| Field | Description/Activity |
|------------------------------|--|
| Timeout interval for Picking | If specified, the worker is forced to the main menu from picking after |
| (seconds) | this many seconds of inactivity. |

3.8. Produmex Scan Strategies

The following table describes the fields that appear in the 'Produmex Scan Strategies' tab of the Produmex Scan Settings window.

| Field | Description/Activity |
|--|---|
| Incoming strategies user query name | The user query name used for the incoming strategy. |
| Incoming strategies frequency (seconds) | Number of seconds to run the incoming strategy periodically. 0 = disabled. |
| Replenishment strategies user query name | The user query name used for the replenishment strategy. |
| Replenishment strategies frequency (seconds) | Number of seconds to run the replenishment strategy periodically. $0 =$ disabled. |

4. How to customize Employee Master Data for Produmex Scan with standard SBO tools

Disclaimer: This documentation describes the standard SAP Business One UI Configuration function.

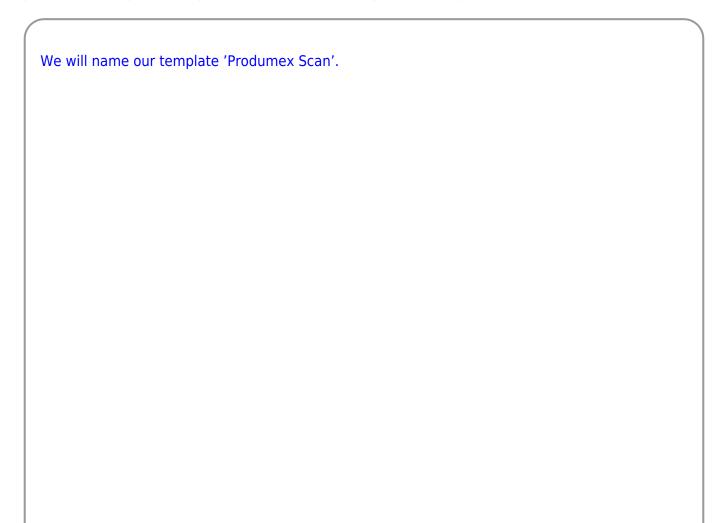
4.1. Create a configuration template

Open the UI Configuration Template form by following the path: Administration > Utilities > UI Configuration Template.

| 07:33 | ······································ |
|----------------------------|---|
| Last update: 2017/09/27 | implementation:scan:completeconfguide http://wiki.produmex.name/doku.php?id=implementation:scan:completeconfguide |

| Administration | | l Configuration Tem | plate | | | | | _ [|
|---|---|---------------------|-------|--------|-------------------------------------|-----------------------|-----------------------|--------|
| Choose Company | | | | | | | | |
| Exchange Rates and Indexes | | UI Template | | Name | l | US_SIMPLE | | |
| System Initialization | 1 | US_SIMPLE | - | Descri | ption (| US Simplified UI Temp | late | |
| 🛅 Setup | | | | _ | | | | |
| 🛅 Data Import/Export | | | | | F <u>o</u> rms | | A <u>s</u> signed Use | ers |
| D Utilities | | | | | Forms | | | |
| | | | | 1 | Inventory Transfe | r Request | | - |
| Period-End Closing | | | | 2 | A/R Invoice | | | |
| Check Document Numbering | | | | 3 | Business Partner M Sales Order | aster Data | | |
| Duplicate Layout Template | | | | 4 | Delivery | | | |
| | | | | 6 | A/P Invoice | | | |
| Data Archive Wizard | | | | 7 | Purchase Order | | | |
| Master Data Cleanup Wizard | | | | 8 | Goods Receipt PO | | | |
| Manual Master Data Series Convert | | | | 9 | Purchase Request | | | |
| | | | | _ | Sales Quotation | | | |
| UI Configuration Template | 8 | | | _ | Item Master Data | | | |
| Connected Clients | | | | | Incoming Payment A/R Credit Memo | 5 | | |
| | | | | | A/R Credit Memo Return | | | |
| Approval Procedures | | | | | A/P Credit Memo | | | |
| E License | | | | | Goods Return | | | |
| 🛅 Integration Service | | | | 17 | Journal Entry | | | Ŧ |
| Add-Ons | | 4 | • | | | Edjt Form UI | <u>c</u> | ору То |
| 🗎 Workflow | | | _ | | | | | |
| Alerts Management | | OK Cancel | | | | | | |

Go to 'Add' mode and create a new template. On the Forms tab add the Employee Master Data. It is possible to assign the template to selected users only on the Assigned Users tab.



| | UI Template | | N | lame | | Produme | x Scan | | | |
|---|---------------|---|---|--------|---------------|---------|-------------|-------------------------|---|---|
| | US_SIMPLE | - | | | | | | | | _ |
| 2 | Produmex Scan | | |)escri | iption | Produme | x Scan | | | _ |
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4.2. Edit the Employee Master Data UI

Select the Employee Master Data line and click on the *Edit Form UI* button. The Employee Master Data form will open in UI Edit Mode.

| Employee Master | Data III Fa | lit Mod | | | | | | General | T | хI |
|---------------------|--------------|---------------------------|-----------------|-----------|-------|----|-------------|------------------------------|----------|----------|
| Employee Master | Data - UI EC | | 2 | | | | | General General | | <u> </u> |
| First Name | | | loyee No. | | | | | Aut. for Batch Delivery | No 🔻 | • |
| Middle Name | | | Employee No. | | | | | Aut. for Batch SO Creation | No ষ | |
| Last Name | | | Active Employee | | | | | Aut. for Batch SO Transfer | No 🍯 | |
| Last Hame | | | netre Employee | | | | | Aut. for Batch Transfer | No 🔻 | |
| Job Title | | | | | | | | Aut. for Bin Attributes | No 🍯 | |
| Position | | Offic | e Phone | | | | | Aut. for Bin Locking | No 🍯 | |
| Department | | Ext. | | | | | | Aut. for Cash and Carry | No 🍯 | |
| Branch | | Mob | ile Phone | | | | | Aut. for Credit Note | No 🔻 | • |
| Manager | | Page | er | | | | | Aut. for Free GR PO | No 🔻 | • |
| User Code | | Hom | e Phone | | | | | Aut. for Goods Issue | No 🔻 | • |
| Sales Employee | | Fax | | | | | | Aut. for Goods Receipt | No 🔻 | • |
| Cost Center | | E-Ma | ail | | | | | Aut, for Goods Receipt PO | No 🔻 | • |
| | | Link | ed Vendor | | | | | Aut. for Issue for Prod. | No 🍯 | • |
| Address Mem | bership Adm | inistration | Personal | Finance | Remar | ke | Attachments | Aut. for Mass Transfer | No 🍯 | • |
| | | | _ | - | | | | Aut. for Packing | No 🔻 | • |
| Work Address | | | Home Add | dress | | | | Aut, for Picking | No 🔻 | • |
| | | | | | | | | Aut, for Picking Delivery | No 🍯 | • |
| Street | | | Street | | | | | Aut. for Print Labels | No 🍯 | • |
| Street No. | | | Street No. | | | | | Aut. for Production Return | No 🔻 | • |
| Block | | | Block | | | | | Aut, for Quick Counting | No 🔻 | • |
| Building/Floor/Room | | | | loor/Room | | | | Aut, for Receipt By-Products | No 🔻 | • |
| Zip Code | | | Zip Code | | | | | Aut. for Receipt from Prod. | No 🔻 | • |
| City | | | City | | | | | Aut. for Recommendations | No 🔻 | • |
| County | | | County | | | | | Aut, for Sales Issue | No 🔻 | • |
| State | | • | State | | | | * | Aut. for Sales Return | No 🔻 | • |
| Country | | * | Country | | | | * | Aut. for Stock Counting | No 🔻 | • |
| | | | | | | | | Aut. for Stock Transfer | No 🔻 | • |
| | | | | | | | | Aut, for Transfer Request | No 🔻 | • |
| | | | | | | | | Default Printer | | |
| | | | | | | | | Mobile Password | | i |
| Find Cance | el | | | | | | | PIN Code | | |

To add a new tab, select the *Add tab* option from the right-click menu.

| We will add a Sca | an tab. | |
|-------------------|---------|--|
| Add Tab | | |
| Tab Name | Scan | |
| ок | Cancel | |

Drag the User Defined Fields and drop it on the new tab. After the field is placed on the tab, it can be resized. To arrange the UDFs on the tab, select multiple fields and align them with a right-click menu aligning option.

It is also possible to move standard SBO fields or standard SBO buttons from other tab as well. As the best practice, grab the button, place it on the header area, then go to the destination tab. Grab again the button and place it on the destination tab.

Please note: The Mobile User Preference and the Mobile User Printer button cannot be moved.

| Employee Master Data - UI Edit M | lode _ X | Employee Master Data | _ 🗆 > |
|--|--|--|---|
| First Name Middle Name Last Name | Employee No. Ext. Employee No. | First Name John Employee No. Middle Name Ext. Employee No Last Name Doe Active Employ | |
| Job Title Position Department Manager User Code Sales Emoloyee V | Office Phone Ext. Mobile Phone Pager Home Phone Fax | Job Title Position Popartment | |
| Cost Center Address Membership Administration | E-Mail Linked Vendor Personal Remarks Attachments Finance Scan | Cost Center E-Mail Linked Vendor | amar <u>k</u> s Atta <u>c</u> hments Fi <u>n</u> ance Scan |
| Aut, for Batch Delivery No Aut, for Batch SO Creation No Aut, for Batch SO Transfer No Aut, for Batch SO Transfer No Aut, for Batch Transfer No Aut, for Bin Attributes No Aut, for Bin Attributes No Aut, for Cash and Carry No Aut, for Credit Note No Aut, for Goods Issue No Aut, for Goods Receipt No Aut, for Goods Receipt PO No Aut, for Saude Receipt PO No Aut, for Saude State No Aut, for Picking No | Aut, for Production Return No Aut, for Oulck Counting No Aut, for Receipt By-Products No Aut, for Receipt By-Products No Aut, for Receipt By-Products No Aut, for Sales Issue No Aut, for Sales Return No Aut, for Stock Counting No Aut, for Stock Transfer No Aut, for Transfer Request No Default Printer Mobile Password PIN Code | Aut. for Batch Delivery Yes Aut. for Batch SO Creation Yes Aut. for Batch SO Transfer Yes Aut. for Batch SO Transfer Yes Aut. for Batch Transfer Yes Aut. for Bin Locking Yes Aut. for Bin Locking Yes Aut. for Cash and Carry Yes Aut. for Free GR PO Yes Aut. for Goods Receipt Yes Aut. for Goods Receipt Yes Aut. for Soods Receipt PO Yes Aut. for Packing Yes Aut. for Picking Yes Aut. for Picking Delivery Yes Aut. for Picking Delivery Yes Aut. for Picking Delivery Yes | Aut. for Production Return Yes Aut. for Ouick Counting Yes Aut. for Receipt By-Products Yes Aut. for Receipt from Prod. Yes Aut. for Receipt from Prod. Yes Aut. for Receipt from Prod. Yes Aut. for Sales Issue Yes Aut. for Sales Issue Yes Aut. for Sales Return Yes Aut. for Stock Counting Yes Aut. for Stock Transfer Yes Aut. for Stock Transfer Yes Default Printer Mobile Password PIN Code Interval |

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