PDMX Suite Installation Guide

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1.Introduction

This guide explains the Produmex Suite Installer. This tool allows for the complete installation and configuration of the PDMX suite and its components.

The components you can install with this tool are the Produmex Tools, the Produmex License server, the Produmex SB1 Notification listener and the Produmex FatClient. The Produmex add-on is registered and installed like a regular SAP add-on, however Produmex uses an Add-on loader to upload the files to the database.

How to do this will be described in this guide.

2.Prerequisites

The prerequisites for the installation of the PDMX Suite for SAP Business One are:

- Windows Server 2008 (minimum)
- Installation of MS SQL Server 2008 or 2012
- Installation of SAP Business One 9 (only 32-bit version is supported)
- Installation of .NET 3.5 framework service pack 1
- Installation of Crystal Reports basic runtime for Visual Studio 2008
- Administrative rights
- A valid Produmex license-file.
- The ComLicenseBridge

For some prerequisites you can have a look at: ftp://public:Avaya789@ftp.produmex.name/Install/Prerequisites

If these are not installed on your computer, please install these prior to the installation of the PDMX suite components.

Note: if you have any antivirus software installed, you need to add the .exe of the Produmex Suite Installer as an exception.

Note: When using an operation system as Windows server 2012, Windows 8 or higher you need to install the following hotfix: http://support.microsoft.com/kb/2803760. This hotfix can only be installed by a direct support request to Microsoft.

Please make sure all prerequisites are installed, otherwise Produmex will not work!

3.Executing a new installation

In this and the following chapters we will describe how to perform a full and new installation of the PDMX suite.

First, copy the Produmex Installation Zip File to your computer (Produmex_PNG_XXX.zip) Extract it to a directory (e.g. with the same name as the version number e.g. {driveletter}:\Produmex_PNG_523) Preferably, do not extract it within the {driveletter}:\Program Files directory as this might cause interference with installed components later.

We recommend to keep this directory on a shared folder accessible from all servers. That way you can use the same configuration when you need to install and upgrade multiple components on separate systems (e.g.: a SAP server and a terminal server).

Afterwards, locate the directory of the Produmex Suite installer (e.g: $Produmex_PNG_4_1_1_2\$ ProdumexSuiteInstaller) and execute the .exe. Make sure you have administrator privileges when executing this application.

Now we can start the configuration, in the following chapters will be describe step-by-step the fields you need to fill in.

3.1.Starting a fresh installation

Start the installation by entering the following fields as described below.

Produmex Suite Ins	taller								
Produmex Suite for S/	uite Installe AP Business One	er							a Movilitas company
Computer name: F	PDX_D 1		Target enviro	onment 3					
System assignment:	2		Production	Test					
General +									
					Common connect	on settings			
SAP license server	5		DB user name	8					
DB server address	6		DB password	9					
DB server type	MSSQL 7		▼ DB culture €	m-US 10					
					SAP Business One	connections			
Environment 11	Alias	Company database	PMX database	SAP user name	SAP password	SBO connection	Direct		
Production -	12	13	14	15	16	17	18	3 3 19	
Produmex Add-On							_		
Visible passwords]								
									4 Save

Main fields:

First you need to check if the following fields are set correct.

1. Computer name

Not editable. This is the computer name.

2. System assignment

Not editable. This field is updated when adding a system tab. This will be explained later.

3. Target environment

This indicates if a test environment or a production environment will be installed. A test environment is a complete separate installation with its own installation folder, next to the regular production folder. The installation procedure for a test environment is completely similar to a production environment.

4. Save

Allows the configuration to be saved in an xml file called "ProdumexInstallConfig.xml". It is recommend to keep several backups of this file as you can use it for future installations of new PDMX Suite versions on that system.

Common connection settings

Here you set the common connection settings.

5. SAP license server:

The domain name of the server where the SAP license service is installed. This should be exactly the same as what has been configured in SLD.

This should include the port number of the SAP license server. On MSSQL, the port number is typically 30000, and on HANA the port number is typically 40000.

6. DB server:

The domain name of the server where the database is installed.

On HANA, the port number of the database server should also be included. The default port number is usually 30015.

7. DB server type:

The type of the database management system installed on the server

8. DB user name:

The database username that has dbo rights on the SBO company database(s)

9. DB password:

The database password

10. DB culture:

The database culture

Sap Business One connections

Here you can add/remove multiple connections and test them on errors. This information will be stored as a connection-string in the config files located in the installation folders of the PDMX components

11. Environment:

Production or test

12. Alias:

This is the name of the connectionString that is set in the config file. This alias will be used for components like the FatClient as their connection. For some components there is no possibility to have multiple connections strings. The system will always use the connection string with alias 'SboConnectionString'. It is recommended to use 'SboConnectionString' as alias for the default database.

13. Company database:

The name of the company database. (eg: SBODemo_US)

14. PMX database:

The name of the extra database (eg: PMX_SBODemo_US)

15. SAP user name:

The username of the sap user that is used (eg: manager)

16. SAP password:

The password of the sap user.

17. SBO connection:

Click this button to test the connection to the company database through SAP (DI API).

18. Direct connection:

Click this button to test a direct SQL connection to the database.

19. Add/remove buttons:

Use these buttons to add/remove the instance aliases.

After this information is entered you can add an extra tab to define the system assignment by clicking the add button next to the general tab.

General	+	

Next you see the following screen, here you enter your system name you will assign.

New system	×
System name:	SAP Server
ОК	Cancel

Now that connection configuration is done, we can start installing the separate PDMX suite components.

3.2.System tab

The system tab allows for the installation of the components of the PDMX Suite, except for the PDMX Suite add-on component, which is installed as a SAP add-on.

In most scenario's it is not always required to reinstall the license server. The Tools and FatClient components always need to be reinstalled and the tools component always needs to run with every new installation.

Produmex Suite Installer									
Produmex Suite Installer Produmex Suite for SAP Business One							ł	$\widehat{}$	- produmex a Movilitas company
Computer name: PDX_DECORTEM	Target environment								
System assignment: SAP Server	Production Test								
General SAP Server 🔀 +]								
Directory C:\Program Files (x86)\Produmex	1 Assign to this computer 3								
Name Require	ad ² Install directory	Installed Version	Available Version	Instance Alias 6			4	Config	
Produmex Tools	C:\Program Files (x86)\Produmex\Produmex Tools	5.3.1.48	5.3.1.48			Install	Uninstall	Config	
Produmex License Server	C:\Program Files (x86)\Produmex\Produmex License Server	5.3.1.48	5.3.1.48			Install	Uninstall	Config	
Produmex SB1 Notification Listener 5			5.3.1.48	SboConnectionString	0	Install	Uninstall	Config	
Produmex Fat Client	C:\Program Files (x86)\Produmex\Produmex Fat Client	5.3.1.48	5.3.1.48			Install	Uninstall	Config	
Install all ⁸ Uninstall all ⁹									7 Has custom files
									Save

1. Directory:

The directory in which the PDMX Suite components need to be installed.

2. Required:

Indicates that this component is part of the installation on this system and therefor needs to be upgraded with each new version.

3. Assign to this computer:

Assign this system configuration to this system.

For example, you can have a SAP server were you only need to install the tools, license server and notification listener and a terminal server were you install the FatClient component. When you click the "Assign to this computer" button, this information is kept in the registry of the local machine file and next time you open the Produmex Suite installer from this system, it will open to this system tab.

4. Configuration buttons

- a. Install: installs the component
- b. Uninstall: uninstall the component
- c. Config: opens the configuration screen

Note: if you tagged "Has custom files" on, on the General tab you will be prompted to locate the directory.



Afterwards you need to locate the directory where you can find these files.

Browse For Folder	×
Select folder with customisation files	
 Image: Computer Image: Network Image: Network Image: Network Image: Network Image: Network Image: Control Panel Image: Recycle Bin Image: Dependency 	
Make New Folder	OK Cancel

5. Produmex SB1 Notification Listener

You can install multiple installations of the SB1 Notification listener for multiple instance aliases. These are defined as connections in the general tab under SAP Business One connections. The install directory of this component will also be extended with the instance alias name.

6. Instance alias:

Select an instance alias.

7. Has custom files

2016/03/23 10:08

Indicates if there are custom files to be installed, such as customer specific workflowscripts. If this is tagged, you will be prompted for the directory were the custom files are unzipped to. This directory will have a name such as "Project_OEC_1_0_0_327".

8. Install all:

Install all required components.

Note: When using the Produmex Tools remember that if you have multiple connections defined for one environment type (production or test) it will use the first one by default. For example, if you define a connection SboConn1 and SboConn2 on the general tab and you run the interface tool, the interface tool will use SboConn1 by default.

9. Uninstall all:

Uninstall all installed components.

4. Component configuration

All components, except the Fat Client, have their own configuration that needs to be set up.

4.1. Produmex tools configuration

Here you can see the configuration screen for the Produmex tools. Here you can select an instance alias which will connect to a company database that will be updated to the most recent PDMX version.

SboForm						
		P	rodumex To	ols		
		Choose connecti	on		Lindate Database	Run
Alias	CompanyDb	ExtraDb	SAPUserName	SAPPassword		nun
SboConnectionSt	SBODemo_US	PMX_SBODemo	manager	produmex		
					_	
						Close

When you click the "Run" button will start the UpdateDatabase tool.

This tool consists of 3 steps, which you can enable or disable by using the checkboxes on the top of the window:

- Upgrade database
- Update localizations
- Update add-on files

You can also change the connection to use by using the drop-down list on the top of the window. The drop-down list is filled with all connection strings found in the configuration file of the UpdateDatabase tool.

Last update: 2016/03/11 16:31

Produmex Database Upgrade		
Connection: SboConnectionString	•	
V Upgrade database	Update localizations	Start
Create User Defined Fields (slow on big DB's)	Update add-on files	
		*
		+

4.1.1 Upgrade database

In the first step, the tool will upgrade your database to the most recent PDMX version. This step will only be executed if the "Upe database" checkbox is activated.

During this step, UDF's might need to be created in SAP. Seeing how this is an intensive action, this action is optional, but vital if you want to complete a full installation.

You can disable the creation of UDF's by deactivating the "Create User Defined Fields (slow on big DB's)" checkbox on the top of the window. In this case, you will have to create the UDF's manually in SAP; the UpdateDatabase tool will prompt you to do so.



Here the tool displays its actions. When starting from a new database without previous version of PDMX suite installed, it will adjust the database by first adding UDT's, UDO's, adding UDF's to SAP tables, creating PMX-tables, foreign keys, etc..

Produmex Database Upgrade		
Connection: SboConnectionString Upgrade database Create User Defined Fields (elow on big DB'e)	▼ Update localizations	Start
Start UpdateDatabaseTool Alias=SboConnectionString CompanyDB=SBODemo_US ExtraDB=PMX_SBODemo	_US	*
Trying to upgrade the database to the latest version Update indices Table 111/111 Add views Extra DB Add system procedures Recreate synonyms Add functions and procedures Update SP Add user queries Update languages Execute scripts Found custom 'AddUpdateData.cs' executing Update script flows Found custom HOOK_FLOW 'EnterPickingQuantityHook Compile all workflow scripts in DB [63/72] (422812 bytes) SUB_FLOW ReceptionScript	Flow'	

When this tool is running, and you have selected customer specific files in the previous steps you will see these kinds of messages:

- "Found custom 'AddUpdateData.cs': updates the database with custom UDF's/UDT's, PMX-tables, etc..This cs-script executes custom database-adjustments specific for that customer.
- "Found custom ': If a custom script is found and inserted to the database, you can see the name of the script here. In this example a EnterPickingQuantityHookFlow is inserted into the database or updated if it already exists.

4.1.2 Update localizations

The second step performs an update for the localizations. This step will update any translations to the most recent version of the current PDMX suite version.

This step will only be executed if the "Update localizations" checkbox is activated.

Last update: 2016/03/11 16:31

~			
Produmex Da	atabase Upgrade		
Connection:	SboConnectionString		
	·		
✓ Upgrade d	latabase	✓ Update localizations	Start
V Create	User Defined Fields (slow on hig DB's)	Update add-on files	
2015 01 22 15.4			
2015-01-22 15:4	15:14 - Add Logex AddOn.InvReportForm.LDIK(esuits temi abel	<u>^</u>
2015-01-22 15:4	15:14 - Add Logex AddOn InvReport om Print	Production Label	
2015-01-22 15:4	15:14 - Add Logex AddOn Inv Report Form Print	Reception label	
2015-01-22 15:4	15:14 - Add Logex AddOn Inv Report Form Print	ShippingLabel	
2015-01-22 15:4	15:14 - Add Logex AddOn InvReportFormSelect	tionCriteria	
2015-01-22 15:4	15:14 - Add Logex AddOn Inv Report Form Select	tionCriteria.BtnCancel	
2015-01-22 15:4	15:14 - Add Logex AddOn Inv Report Form Select	tionCriteria.BtnOk	
2015-01-22 15:4	15:14 - Add Logex.AddOn.InvReportFormSelect	tionCriteria.CmbGroupBv.ValidValue.Batc	h
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelec	tionCriteria.CmbGroupBy.ValidValue.Deta	il
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelec	tionCriteria.CmbGroupBy.ValidValue.Item	
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelect	tionCriteria.CmbGroupBy.ValidValue.Stora	ageLocation
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelect	tionCriteria.CmbGroupBy.ValidValue.War	eĥouse
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelect	tionCriteria.Errors.LocationButtonClick	
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelect	tionCriteria.Errors.SupplierButtonClick	
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelect	tionCriteria.LblBarcode	
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelect	tionCriteria.LblBatchNumFrom	
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelect	tionCriteria.LblBatchNumTo	
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelect	tionCriteria.LblGroupBy	
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelect	tionCriteria.LblltemFrom	
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelect	tionCriteria.LblltemGroup	
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelect	tionCriteria.LblltemTo	
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelec	tionCriteria.LbILUID	
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelec	tionCriteria.LblQualityStatus	
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelec	tionCriteria.LbISSCC	
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelec	tionCriteria.LblStorageLocation	
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelec	tionCriteria.LblSupplier	E
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelec	tionCriteria.LblSupplierPalletNumber	
2015-01-22 15:4	15:15 - Add Logex.AddOn.InvReportFormSelec	tionCriteria.LblWarehouse	
2015-01-22 15:4	15:44 - The localizations are updated		
			-

4.1.3 Update add-on files

The final step you have the option to upload the PDMX suite add-on files necessary to run the PDMX suite add-on.

This step will only be executed if the "Update add-on files" checkbox is activated.

Compar Stop Done.	DnUploaderF ny DB: SBODe scan	orm emo_US Browse Upload !	
Upload	Version	Directory	FileName
	4.1.1.5	C:\Program Files (x86)\Produmex\Produmex Tools\AddOnMaster	Produmex.Foundation.Sbo.AddOnMas
V	4.1.1.5	C:\Program Files (x86)\Produmex\Produmex Tools\Logex.AddOnPlugin	Produmex.Sbo.Logex.AddOn.exe
V		C:\Program Files (x86)\Produmex\Produmex Tools\Logex.AddOnPlugin	Produmex.Sbo.Logex.AddOnPlugin.dll
4			

11/39

In this screen you can see the files required to upload. By default the Add-on Uploader will search in the build directory in which it is located.

Note: When the customer has specific functionality, a second zip file will have been provided with the files for these specific functionalities. You need press the "browse" button and select the folder where these files are located (e.g.: Project_OEC_1_0_0_300)

Select the row(s) corresponding to the installation you are doing, and click 'Upload'. After uploading, close the screen.

S Add	DnUploaderF	orm	
Company	ny DB: SBODe	emo_US	
Stop	scan	Browse Upload !	
Upload	completed		
Upload	Version	Directory	FileName
	4.1.1.5	C:\Program Files (x86)\Produmex\Produmex Tools\AddOnMaster	Produmex.Foundation.Sbo.AddOnMas
	4.1.1.5	C:\Program Files (x86)\Produmex\Produmex Tools\Logex.AddOnPlugin	Produmex.Sbo.Logex.AddOn.exe
		C:\Program Files (x86)\Produmex\Produmex Tools\Logex.AddOnPlugin	Produmex.Sbo.Logex.AddOnPlugin.dll
4			•

4.1.4 Closing the tool

Last update: 2016/03/11 16:31

Produmex Database Upgrade		
Connection: SboConnectionString	•	
V Upgrade database	Update localizations	Start
Create User Defined Fields (slow on big	DB's) Vpdate add-on files	
Start UpdateDatabaseTool		*
Alias=SboConnectionString		
CompanyDB=SBODemo_US ExtraDB=PMX_S	BODemo_US	
Trying to upgrade the database to the latest version Update indices Table 111/111 Add views Extra DB Add system procedures Recreate synonyms Add functions and procedures Update SP Add user queries Update languages Execute scripts Update script flows Compile all workflow scripts in DB The database is upgraded to the latest version 2015-01-22 15:47:54 - Start updating the localizati 2015-01-22 15:48:09 - The localizations are updat Database update process finished. You can close	ons ed this window.	
Database upgrade process completed successful	y!	

After all the selected steps have been executed, you can close the screen. To do so, press the 'x' cross in the top-right corner of the window.

4.2.Produmex License Server configuration

4.2.1. Additional installation steps for SAP HANA

If you are using SAP HANA, you need to update the Produmex License Server's configuration file. This file is located in the installation folder of Produmex License Server, for example C:\Program Files (x86)\Produmex\Produmex License Server\

The configuration file is called 'Produmex.Foundation.Licensing.Sbo.ServiceHost.exe.config'

See the picture below to locate it more easily:

Computer ► Local Disk (C:) ► Program Files ► Pro	dumex 🕨 Produmes	License Server 🕨		4 +	Search Produmex License	: Serve	er en	م
Organize T Include in library Share with T New folder					8==	•	FI	0
	Data was differed	Trans	Ci=+					
Name Name Equidation dll	Date modified	Application extension	Size 117 KB					
Produmex Foundation Drawing dll	2015-02-12 22:51	Application extension	20 KB					
Produmex.Foundation.GS1.dll	2015-02-12 22:51	Application extension	26 KB					
Produmex Foundation Licensing She Service Host even	2015-02-12 22:51	Application	56 KB					
Produmex.Foundation Licensing Sho Service Host eve config	2015-02-12 22:55	XML Configuration File	1 KB					
Brodumex Foundation Licensing Sho Service Hostexet Installing	2015-01-13 14,20	INSTALLI OG Eile	4 KB 2 VP					
Produmex.Foundation.Licensing.Sbo.ServiceHost.InstallEbg	2015-02-13 11,10	INSTALLEUGTHE	2 ND 5 MD					
Produmex.Foundation.Licensing.Sbo.ServiceHosturkaristaristate	2015-02-15 11.10	MML Configuration File						
Produmex.Foundation.Elecensing.Soc.serviceHost.vsnost.exe.comig	2015-01-05 17:02	Application atopsion	4 ND 17 VD					
Produmex.roundation.spo.un	2015-02-12 22:51	Application extension	102 KB					
Produmex.Foundation.SpoSultui	2013-02-12 22:32	Application extension	703 KB					
Produmex.roundation.simscreen.dli	2015-02-12 22:51	Application extension	30 KB					
Produmex.Foundation.SlimScreen.Interfaces.dli	2015-02-12 22:52	Application extension	104 KB					
Produmex.Foundation.Wcf.dll	2015-02-12 22:51	Application extension	6 KB					-
S Produmex.Foundation.Win32.dll	2015-02-12 22:51	Application extension	14 KB					-
Nordumex.Foundation.WinGui.dll	2015-02-12 22:51	Application extension	112 KB					
Nordumex.Foundation.WinGui.Sbo.dll	2015-02-12 22:52	Application extension	57 KB					
Northeast Internation State And Annual Internation State Annual Internation State Annual International Internation	2015-02-12 22:51	Application extension	25 KB					
🚳 Produmex.Foundation.Wwf.dll	2015-02-12 22:51	Application extension	57 KB					
🚳 Produmex.Sbo.Logex.Data.dll	2015-02-12 22:56	Application extension	14,479 KB					
lightary and the state of the second se	2015-02-12 22:59	Application	86 KB					
🗈 Produmex.Sbo.Logex.Licensing.Configurator.exe.config	2015-02-13 11:18	XML Configuration File	2 KB					-
36 items								

Open that file with a text editor (e.g. notepad), and locate the section called 'appSettings':

```
<appSettings>
   <add key="TransactionIsolation" value="ReadCommitted" />
   <add key="TransactionTimeout" value="00:10:00" />
   <!--<add key="SapLicenseServer" value="localhost:30000"/>-->
   <!--<add key="SapLicenseServer" value="localhost:40000"/>-->
</appSettings>
```

Locate the line that contains 'SapLicenseServer', and do the following:

- uncomment that line (remove the '<!-' and '->' at the beginning and at the end of the line)
- replace the license server (default: localhost:40000) by the actual SAP license server's address (in this example: imdbhdb:40000)

```
<appSettings>
  <add key="TransactionIsolation" value="ReadCommitted" />
  <add key="TransactionTimeout" value="00:10:00" />
  <!--<add key="SapLicenseServer" value="localhost:30000"/>-->
  <add key="SapHanaLicenseServer" value="imdbhdb:40000" />
</appSettings>
```

Finally, save the configuration file.

4.2.2. Configuration

You will need to get a license file from Produmex. To create this file, we need the Hardware Key of the SAP installation.

After that Produmex will send you a license file. You will have to put this file into the installation folder of the Produmex Licensing Module. After renaming the file to 'PmxLicenseData.xml', you can start the configurator.

Make sure the file name is correct. If known extensions are hidden, and you fill in 'PmxLicenseData.xml' as name, the file is actually called 'PmxLicenseData.xml'.

Afterwards you can run the config of the Produmex license configurator; this will show the following screen.

SboForm	
Configuration	
License configurator Run	

Clicking the "Run" button will start the license configurator.

License Configurator				
Licenses		Assigne	ed Names	
City : Perk	Connection name	Company		
Country : Belguim	SboConnection String	SBODemo_US_41]
Host key : N1882691525				
Choose new license file G Restart service				
Save configuration		S	now available names f	ortype : AddOnUser 🔹
Type ValidTill Count UseAssignedName	Assignm	ents		Available
AddOnUser vr 06 sep 2999 99 🗹	LicenseType Na	ime	Code	Name 🔺
DeviceClient vr 06 sep 2999 99			alex	Alex Torras
			B1i	B1i
			B1i1	B1i1
			bill	Bill Levine
			bob	Bob Shone
			brad	Brad Thompson
		1	carlos	Carlos Andres
			christin	Christine Roblet
			dana	Dana Willy
			donna	Donna Brown
			doris	Doris Labour
			elisa	Elisa Messina
			omily	Emily Invin

Now you can link users to the license. This is only needed if 'UseAssignedName' is set to true.

After linking users, you need to click 'Save configuration'. Even if 'UseAssignedName' is set to false for all types, you need to save the configuration by clicking the "Save configuration button".

License Co	onfigura	itor								
		License	s			Ass	igne	d Names		
City :	Perk				Connection name	Company				
Country :	Belguim				SboConnection String	SBODemo_US_41				
Host key :	N18826	91525								
	Choo	se new license file	\$	Restart service						
		Save configuration					Sh	ow available names f	ortype : AddOnUser	•
Туре		ValidTill	Count	UseAssignedName	Assign	nents			Available	
AddOnUse	r	vr 06 sep 2999	99		LicenseType N	ame		Code	Name	_
DeviceClier	nt	vr 06 sep 2999	99		AddOnUser ale	x		linda	Linda Hudson	
					AddOnUser ma	anager		manager	manager	
								maria	Maria Bridi	
							4	mary	Mary Heske	
								merlina	Merlina Francis	
							~	michael	Michael Spear	
								sophie	Sophie Klogg	
							₽	timothy	Timothy Stevens	
							-	tom	Tom Brady	
								william	William Barrera	
								wilson	Wilson Perez	
								Workflow	Workflow	
	_		_							~

So now the configuration is done, and the only thing to do now is to (re)start the Produmex License service.

This can be done by clicking the "Restart service" button.

IMPORTANT: If you restart the service for the first time, and it does not start, make sure you have installed the COM License bridge AND .NET Framework 3.5 SP1. (See "Prerequisites" section)

Note: When changes have been made to the configuration of the Produmex License, you need to restart the Produmex License service.

4.3. Types of license

4.3.1. Produmex Professional License

This is the license that is needed to run the add-on in SAP. On the license configuration this is called 'AddOnUser'.

These licenses have to be 'assigned' to specific user(s).

This means that these 'assigned' user(s) are used to limit the group of users entitled for a PDMX License.

But it's possible that you have for example only 3 licenses, and there are 6 users in the list of assigned users:

License (onfigu	rator								
		License	5				Assigne	d Names		
City :	Gil		21-1		Connection	Company				
Country :	Van d	len Hauwe			name					
Host key	E195	1976264			SBUDemo_US_43	SBODemo_US_4	3			
	Ch	oose new license file	\$	Restart service						
	R.	Save configuration					Sł	now available na	ames for type : AddOn Use	sr •
Туре	_	ValidTill	Count	UseAssignedName	Ass	ignments			Available	
AddOnUs	er.	do 31 dec 2099	3	V	License Type	Name		Code	Name	-
DeviceClie	int	do 31 dec 2099	3	10	AddOnUser	manager		alex	alex	
1			M.	1	AddOnUser	alex		81i	B1i	
					AddOnUser	bil		81/1	B1i1	1
					AddOnUser	bob		bil	ы	
					AddOnUser	brad		bob	bob	
					AddOnUser	carlos		brad	brad	
							-	carlos	carlos	
							3	christin	christin	
								dana	dana	
								donna	donna	
								doris	doris	
								eisa	elisa	
								emàr	embr	-

This will result in: the first 3 users from this list of 6 users that starts up the Produmex Add-on, will get a license.

(So within this list of 6, the principle of "first come, first served" is valid)

4.3.2. Produmex Terminal user

This is the license needed to run a flow on a device. These are typically scanners or touchscreens. On the license configuration this is called 'DeviceUser'.

These licenses are 'Unassigned' licenses.

So every running Produmex.Sbo.Logex.Execute.FatClient.exe, will occupy 1 license. So this also works with the "first come, first served" principle.

4.3.3. Produmex 3PL license

This license is needed to use the additional functionality for 3PL invoicing. On the license configuration this is called 'Mod_3PL'.

This license is an 'Unassigned' license. There will be 99999 licenses available.

4.3.4. Produmex EDI license

This license is needed to use the additional functionality for EDI messages.

On the license configuration this is called 'Mod_EDI'.

This license is an 'Unassigned' license. There will be 99999 licenses available.

4.4.Produmex SB1 Notification listener

4.4.1 Configuring the database

In order to activate the SB1 Notification listener, you need to enable the service broker; first you click the config button of the Produmex SB1 Notification Listener. This will show the following screen:

Form	
Produmex S	B1 Notification
Configure database	Run in console mode

Click the "Run in console Mode" button of the configuration database option. This will show the following console.

Note: do **NOT** perform this action on an environment with active users.



Simply hit ENTER to finish the database configuration.

4.4.2 Listing the actions

You need to list any actions where that the Produmex SB1 Notificationlistener needs to listen to. To do this click the "Run in console mode" of the list actions option.

SboForm	
Produmex S	B1 Notification
Configure database	Run in console mode
List actions	Run in console mode

The tool will add the actions to the config-file located in the installation folder of the Produmex SB1

Notificationlistener.



Afterwards press ENTER to exit.

5.Adaptation of stored procedures

5.1. Enable the standard PMX stored procedure.

5.1.1. With Microsoft SQL Server

After the configuration is done you need to enable the (custom) stored procedures in the stored procedure of SAP named "SBO_TransactionNotification".

When applying the Produmex Add-on the first time to a database you will also need to adapt the stored procedure "SBO_SP_TransactionNotification"

- To do this open "SQL Server Management Studio" and connect to your database server.
- Expand the "Databases" folder and locate the database to which you want to apply the Produmex Add-on.
- Open this database directory and open the "Programmability\Stored Procedures" subdirectory.
- Locate the "dbo.PMX_SP_TransactionNotification" stored procedure, right-click it and select "Modify".

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	==1==
🗄 📴 dboTmSp_UpgradePCH	1RPC 1StockSumforND
🛨 🔜 dboTmSp_VariableUpda	te_OUQR
	37
🛨 🧾 dbo.PMX_SP_OECTransac	tionNotification 38
🛨 🖬 dbo.PMX_SP_Transa	New Stored Procedure
🛨 🔜 dbo.SBO_GetNextAu	New Stored Procedure
🛨 🔄 dbo.SBO_SP_PostTri	Modify
🕀 🔄 dbo.SBO_SP_Transa	Execute Stored Procedure
🕀 📴 dbo.TmSp_adding_T	Script Stored Procedure as
王 🔜 dbo.TmSp_AddSqlUs	Script Stored Procedure as
🕀 🛃 dbo.TmSp_ArcCreat	View Dependencies
🕀 🔄 dbo.TmSp_ArcCreat	Delizion
	Policies
🕀 🛃 dbo.TmSp_ArcProce	Facets
🕀 🛃 dbo.TmSp_B1CFLDe	Start PowerShell
🕀 🛃 dbo.TmSp_B1CFLGe	Peparta N
🕀 🛃 dbo.TmSp_BOM_IsF	
🕀 📑 dbo.TmSp_BOM_IsF	Rename
	Delete
🕀 📃 dbo.TmSp_ChooseIN	Delete
🕀 📑 dbo.TmSp_ConGrpLi	Refresh
🕀 📑 dbo.TmSp_Convert	
🕀 🔄 dbo.TmSp_CorrActR	Properties

Locate the "Produmex Logex Addon Code" at the end of this stored procedure (see illustration below)



Copy the "Produmex Logex Addon Code".

This code should now be pasted in the "SBO_SP_TransactionNotification" stored procedure, modify this stored procedure in the same way you modified the PMX_SP_TransactionNotification.

Last update: 2016/03/11 16:31 im	plementation:installguide http://wiki.produmex.name/doku.php?id=implementation:installguide
Imsp_variableUpdate Imsp_variableUpdate	e_OUQR ionNotification otification ionNotice ntification New Stored Procedure
 dbo.TmSp_addinig_roj dbo.TmSp_AddSqlUser dbo.TmSp_ArcCreateI dbo.TmSp_ArcCreateI dbo.TmSp_ArcIVIDBHe dbo.TmSp_ArcProcess dbo.TmSp_ArcSaveArc dbo.TmSp_B1CFLDepk dbo.TmSp_B1CFLGetD dbo.TmSp_B0M_IsFat dbo.TmSp_ChooseCIN dbo.TmSp_ConvertGrp dbo.TmSp_CorrActRep dbo.TmSp_CorrActRep dbo.TmSp_CorrActRep dbo.TmSp_CreateIVIR_woon 	Modify Execute Stored Procedure Script Stored Procedure as View Dependencies Policies Policies Facets Start PowerShell Reports Rename Delete Refresh Properties
	PFutureRemitByAgeDa POverdue90PDayByAc

Paste the "Produmex Logex Addon Code" at the end of it. With a new installation you will see a marked area like "- ADD YOUR CODE HERE".

211	
278	\downarrow Following code must be added to the stored procedure SBO_SP_TransactionNotification
279	to execute the PMX stored procedure:
280	
281	***********************************
282	Start executing Produmex Logex Addon code for OEC
283	***********************************
284	IF @error = 0
285	BEGIN
286	BEGIN TRY
287	EXEC [dbo].[PMX_SP_OEdTransactionNotification]
288	@object_type,
289	@transaction_type,
290	@num_of_cols_in_key,
291	@list_of_key_cols_tab_del,
292	@list_of_cols_val_tab_del,
293	@error = @error OUTPUT,
294	@error_message = @error_message OUTPUT
295	END TRY
296	BEGIN CATCH
297	SELECT (Gerror = ERROR_NUMBER(), (Gerror_message = ERROR_MESSAGE()
298	SET (gmsg = SUBSTRING('PMX SP NCF: sql error ' + CAST(ERROR_NUMBER() AS NVARCHAR) + ' : ' + ERROR MESSAGE()
299	+ ISNULL('IIne' + CASI(ERROR_LINE() AS NVARCHAR), '') + ISNULL('In' + ERROR_PROCEDURE(), ''),1,255)
300	EXEC XD_logevent 999999, gmag, Erkor
301	END CATCH;
302	END
303	
304	End executing Produmex Logex Addon code
305	

Afterwards you need to uncomment the SP by clicking the "uncomment" button in SQL management studio. The end result should look like this:

0.771

	" 唱 頌 (御 御) 🔚 😫 孝 孝 弘 🍦
SQLQu	ery4.sql5_41 (sa (63))* SQLQuery3.sql5_41 (sa (61)) SQLQuery2.sql5_41 (sa (59))* SQLQuery1.sql5_41 (sa (55)) +
1	
2	0 Return values
2	declare @error int Result (0 for no error)
2	2 declare @error_message nvarchar (200) Error string to be displayed
2	select @error = 0
2	select @error_message = N'Ok'
2	5
2	
2	
2	
2	5*********************************
3	DStart executing Produmex Logex Addon code
3	1
3	DEGIN TRY
3	EXEC [dbo]. [PMX_SP_TransactionNotification]
3	Gobject_type,
3	<pre>@transaction_type,</pre>
3	gnum of cols in key,
3	<pre>/ @list of key cols tab del, </pre>
3	glist of cols val tab del,
3	gerror = gerror Oliput,
4	
4	SET GAVAN - FEDAR NUMPER()
4	SET GETTOR - LARGE AND MESSAGE ()
4	DEFINE message = Excellent
4	ST GET MARGINA (SUBSTINGINA CON SD - AN ANY ' + CAST (FODOR NIMBED () AS NUADCHAD) + ' · ' + FODOR MESSAGE ()
4	+ ISNILL(') Line '+ CAST (FROR LINE() AS NVARCHAR), ',') + ISNILL(', in '+ FROR PROCEDURE(), ''), 1.255)
4	EXEC xp logevent 999999, 6msg. ERROR
4	- END CATCH:
5]
5	End executing Produmex Logex Addon code
5	2*********************************
5	
5	
5	Select the return values
5	select Gerror, Gerror_message
5	
5	s Lend
5	

After these modifications. Execute the SBO_SP_TransactionNotification stored procedure.

5.1.2. With SAP HANA

After the configuration is done you need to enable the (custom) stored procedures in the stored procedure of SAP named "SBO_TRANSACTIONNOTIFICATION".

When applying the Produmex Add-on the first time to a database you will also need to adapt the stored procedure "SBO_SP_TRANSACTIONNOTIFICATION"

- To do this open "SAP HANA Studio" and connect to your SAP HANA server.
- Expand the "Catalog" folder and locate the schema to which you want to apply the Produmex Addon.
- Right-click on this schema and select "SQL Console" to open a new SQL console

B BOCOMM B SBOCOMM B SBODEMOL	NOI S			
👂 🗁 Colum		New Table		
Function	×	Delete	Delete	
A 🗁 Proced	ক্রী	Refresh	E5	
> 🗁 Tab	<u>م</u>			
	è	Import		
ан В АТС	4	Export		
	SQL	SQL Console		
📑 ATI	ø	Find Table		
		Show Table Distribution		
	_A6_N	ORM_OILM		

Keep this SQL console open during the whole process.

Then locate the "SBO_SP_TRANSACTIONNOTIFICATION" stored procedure:

- Expand the schema directory and open the "Procedures" subdirectory.
- Locate the "SBO_SP_TRANSACTIONNOTIFICATION" stored procedure, right-click it and select "Open Definition".

🕵 SBO_GETNE	XTAU	ITOKEY								
🛃 SBO_SP_PO	🞼 SBO_SP_POSTTRANSACTIONNOTICE									
🔀 SBO_SP_TRA	ANSA	CTIONNOTIFICATION								
📑 SP_PROCE		Open Definition								
📑 TMSP_ADI		Show Authorization								
📑 TMSP_ADI										
📑 TMSP_ARC	×	Delete	Delete							
📑 TMSP_ARC	-	P. (
📑 TMSP_ARC	ŝ.	Refresh	F5							
📑 TMSP_ARC	n Ka	Import								
📑 TMSP_ARC	- 2	Evenant								
📑 TMSP_ARC		Export								
📑 TMSP_B1C	SQL	SQL Console								
📑 TMSP_B1C	æ	Find Table								
📑 TMSP_BON										
🕵 TMSP_BON		Open with SAP HANA Stored Procedure Viewer								
📑 тмѕр_сно	USEC	IN4CORRECTION								

Open its content by opening the "Create statement" tab:

2016/03/23 10:08 23/39 PDMX Suite Installation Guide 🕵 HDB - SBODEMOUS.SBO_SP_TRANSACTIONNOTIFICATION 🖂 - -HDB (SYSTEM) 10.45.74.43 00 Dx 0 8 Procedure Name: Schema: SBO_SP_TRANSACTIONNOTIFICATION SBODEMOUS ÷ Parameter: Create Statement -- B1 DEPENDS: BEFORE:P T:PROCESS START CREATE PROCEDURE SBO_SP_TransactionNotification in object_type nvarchar(20), in transaction_type nchar(1), ---in num_of_cols_in_key int, in list_of_key_cols_tab_del nvarchar(255), in list_of_cols_val_tab_del nvarchar(255) -- SBO Object Type -- [A]dd, [U]pdate, [D]elete, [C]ancel, C[L]ose LANGUAGE SQLSCRIPT -- Return values error int; -- Result (0 for no error) (200); -- Error string to be displayed error_message nvarchar (200); begin error := 0; error_message := N'Ok'; -- ADD YOUR CODE HERE Select the return values select :error, :error_message FROM dummy; end;

Copy the content into the SQL console.

Next, locate the "PMX_SP_TransactionNotification" stored procedure, right-click it and select "Open Definition".



Open its content by opening the "Create statement" tab, and locate the "Produmex Logex Addon Code" at the end of this stored procedure (see illustration below)

t HDB - TEST_PMX.PMX_SP_TransactionNotification ⊗		
HDB (SYSTEM) 10.45.74.43 00		B: • *
Procedure Name:	Schema:	
PMX_SP_TransactionNotification	TEST_PMX	Ŧ
III Parameters Create Statement		
<pre>END; 7* TRY BEGIN CATCH p_error := 60003 p_error_message := 'PNX_SP: sql error ' CAST(ERROR_NUMBER() AS NVARCHAR) ' : ' ERROR_MESSAGE()</pre>		^
END		
<pre>Following code must be added to the stored procedure SBO_SP_TransactionNotificationto execute the PNX stored procedure:</pre>		
object_type,		
<pre> num_of_cols_in_key, list_of_key_cols_tab_del, list_of_cols_val_tab_del, error, error_message); END;</pre>		<u> </u>
t*******************************		

- Copy the "Produmex Logex Addon Code".
- This code should now be pasted into the SQL console, where you have already pasted the content of the "SBO_SP_TRANSACTIONNOTIFICATION" stored procedure. Paste the "Produmex Logex Addon Code" at the end of it. With a new installation you will see a marked area like "- ADD YOUR CODE HERE".
- You also need to uncomment the copied code by removing the leading '-' from each line.
- Finally, add the following line on the top of your SQL console:

DROP PROCEDURE SB0_SP_TransactionNotification;

The SQL console should look like this

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💷 *HDB - SQL Console 7 🔀 HDB (SYSTEM) 10.45.74.43 00 (Current Schema: SBODEMOUS) SOL SOL DROP PROCEDURE SBO SP TransactionNotification; CREATE PROCEDURE SBO_SP_TransactionNotification (in object_type nwarchar(20), -- SBO Object Type -- [A]dd, [U]pdate, [D]elete, [C]ancel, C[L]ose in transaction_type nchar(1), in num_of_cols_in_key int, in list_of_key_cols_tab_del nvarchar(255), in list_of_cols_val_tab_del nvarchar(255) LANGUAGE SQLSCRIPT AS - Return values error int; -- Result (0 for no error) error_message nwarchar (200); -- Error string to be displayed begin error := 0; error_message := N'Ok'; -- ADD YOUR CODE HERE _____ -Start executing Produmex Logex Addon code BEGIN DECLARE EXIT HANDLER FOR SQLEXCEPTION BEGIN error := ::SQL ERROR CODE; || CHAR(13) || CHAR(10) || ::SQL_ERROR_MESSAGE, 1, 200); --EXEC('ROLLBACK'); END: CALL "PMX SP TransactionNotification" (object type. transaction_type, num_of_cols_in_key, list_of_key_cols_tab_del, list_of_cols_val_tab_del, error, error_message); END: ***** End executing Produmex Logex Addon code ******** -- Select the return values select :error, :error_message FROM dummy;

end;

Finally, execute the code in your SQL console to modify the SBO_SP_TRANSACTIONNOTIFICATION procedure.

5.2. Enable a custom stored procedure.

When installing a custom build, it is possible a custom stored procedure is added to the database and needs to be modified in the same way as the standard stored procedure.

Note: Produmex custom development usually only requires a modification of the

SBO_SP_transactionNotification stored procedure. It is possible other kind of SAP stored need to be modified, although unlikely.

If this is the case, the stored procedures will be added on the company database in the same way a custom TransactionNotification stored procedure is added.

If you are unsure if such a modification is required, please contact your designated support address (eg: yourcompanyname.support@produmex.com) and one of our helpdesk administrator will contact you as soon as possible.

First you need to modify the custom stored procedure. In this example: PMX_SP_OECTransactionNotification.

🗄 🔛 dboImSp_UpdateDouble	Name	215							
🛨 🔜 dboTmSp_UpdateSubLin	eNumOILMAndOIVL	276	- END						
	eNumOINM	277							
🗄 🔄 dboTmSp_UpgradeDocLi	neNuminOINMforWKO	278	Following code must be added to the stored procedure SBO SP TransactionNotification						
🛨 📴 dbotmsp_upgradefilloilmr	revalbaseddocsquantit	279	to execute the PMX stored procedure:						
🛨 📴 dbotmsp_upgradeilmtota	alscforbackflushchild	280							
😥 🔄 dboTmSp_UpgradeImpor	rtExportProcess	281	***********************************						
🗄 🔄 dboTmSp_UpgradeOIPF	VersionNum	282	Start executing Produmey Logay Addon code for OFC						
	NonBaseDocsUpdateAll	202							
🛨 📴 dboTmSp_UpgradeOIVLF	PriceAPInvoiceOnGRPC	203	TE Assess = 0						
Image: Booker Contemporation of the second secon	RPC1StockSumforND	201							
🗉 🛃 dboTmSp_VariableUpdat	e_OUQR (285	BEGIN						
Image: Text Add Te		286	BEGIN TRY						
dbo.PMX_SP_OECTrapsed	tionNotification	287	EXEC [dbo].[PMX_SP_OECTransactionNotification]						
🗄 📃 dbo.PMX_SP_Transac	New Stored Procedure		@object_type,						
🗉 🔄 dbo.SBO_GetNextAut	Modify		@transaction_type,						
dbo.SBO_SP_PostTra	(induity	- 1	@num_of_cols_in_key,						
🕀 🔝 dbo.SBO_SP_Transac	Execute Stored Procedure		@list_of_key_cols_tab_del,						
🕀 🔝 dbo.TmSp_adding_To	Script Stored Procedure as	- F	@list_of_cols_val_tab_del,						
Image: Image and Image	View Dependencies		@error = @error OUTPUT,						
Image:	them bependendes		@error message = @error message OUTPUT						
Image: Book and Angel Image: Image Angel Imagel Image Angel Image Angel Ima	Policies	- F	END TRY						
Image: Book and ArcIVIDBH	Easth		BEGIN CATCH						
Image: Image and Image	Facets		SFLECT Gerror = ERROR NUMBER(), Gerror message = ERROR MESSAGE()						
🗉 🔜 dbo.TmSp_ArcSaveAr	Start PowerShell		SFT (mag = SIRSTRING('PMX SP OFC', and error '+ CAST(FREOR NUMBER() AS NUMECHAR) + ' · ' + FREOR MESSAGE()						
Image: Bigger									
표 🔜 dbo.TmSp_B1CFLGet(Reports	- F	FIGNOLS (III + CASICANOLINE () AS WARCIAR),) + ISHOLL (III + EKROK_FROCEDORE(),),1,233						
Image: Book and American Image: Image: Book and American Image: Image: Image: Book and American Image: I		_	END CATCHE						
🗄 📴 dbo.TmSp_BOM_IsFa	Rename		END CAICH;						
🕀 🔝 dbo.TmSp_ChooseCI	Delete		END						
🛨 🔝 dbo.TmSp_ChooseIN									
Image: Book State Sta	Refresh		End executing Produmex Logex Addon code						
🗉 🔄 dbo.TmSp_ConvertGr	Properties		**********************************						
🔝 dbo.TmSp_CorrActRepore	· ·								
Image:	BP								
Image: Book Strain Back Strain Strain Strain Back Strain Strai	BP_Split								

Copy the commented text and modify the SBO_SP_TransactionNotification again. Add the text and uncomment it.



The end result should look something like this:

28 29 30 --Start executing Produmex Logex Addon code 31 32 BEGIN TRY EXEC [dbo]. [PMX SP TransactionNotification] 33 内 34 @object type, 35 @transaction type, 36 @num of cols in key, 37 @list_of_key_cols_tab_del, 38 @list_of_cols_val_tab_del, 39 @error = @error OUTPUT 40 @error_message = @error_message OUTPUT 41 END TRY 42 BEGIN CATCH SET @error = ERROR_NUMBER() 43 SET @error_message = ERROR MESSAGE () 44 45 DECLARE @msg as NVARCHAR(255) 46 SET @msg = SUBSTRING('PMX_SP: sql error ' + CAST(ERROR_NUMBER() AS NVARCHAR) + ' : ' + ERROR_MESSAGE() + ISNULL(' line + CAST (ERROR LINE () AS NVARCHAR), '') + ISNULL(' in ' + ERROR FROCEDURE (), ''),1,255) 47 48 EXEC xp logevent 999999, @msg, ERROR -END CATCH: 49 ********** 50 山 --********* 51 --End executing Produmex Logex Addon code 52 53 --Following code must be added to the stored procedure SBO_SP_TransactionNotification 54 55 --to execute the PMX stored procedure: 56 _____ 57 58 --Start executing Produmex Logex Addon code for OEC 59 60 IF @error = 0 61 BEGIN BEGIN TRY 62 白 EXEC [dbo].[PMX SP OECTransactionNotification] 63 H @object type, 64 65 @transaction type @num_of_cols_in_key, 66 67 @list_of_key_cols_tab_del, 68 @list_of_cols_val_tab_del, 69 Gerror = Gerror OUTPUT

After these modifications. Execute the SBO_SP_TransactionNotification stored procedure.

5.2. Enable the Notification Listener stored procedure

After the Notification Listener configuration is done you need to enable the stored procedures in the stored procedure of SAP named "SBO_TransactionNotification".

This step is only necessary if you intend to use the SB1 Notification Listener.

- To do this open "SQL Server Management Studio" and connect to your database server.
- Expand the "Databases" folder and locate the **PMX database** (not the Company database) to which you want to apply the Produmex Add-on.
- Open this database directory and open the "Programmability\Stored Procedures" subdirectory.
- Locate the "dbo.PMX_SP_TransactionNotificationQueue" stored procedure, right-click it and select "Modify".

😑 🚞 Stored Procedures	
🕀 🧰 System Stored Procedures	
🗉 🖬 dbo.PMX_SP_CreateSynonymsOfSourceDb	
🕀 🔄 dbo.PMX_SP_DeliveryDocumentSalesOrder	
🗉 📃 dbo.PMX_SP_DeliveryDocumentSalesOrder	SSCC
🗉 🖬 dbo.PMX_SP_DropAllSynonyms	
😠 🔄 dbo.PMX_SP_GoodsReceiptLabel	
😠 🔄 dbo.PMX_SP_GoodsReceiptLabelSmall	
🕀 🔄 dbo.PMX_SP_ItemLabel	
😠 🔄 dbo.PMX_SP_KPI_AvgTimePickingReport	
😠 🔄 dbo.PMX_SP_KPI_NumDeliveriesPerDockRe	port
🗄 🔄 dbo.PMX_SP_KPI_PickItemTimeReport	
😠 🔄 dbo.PMX_SP_KPI_PickLinesPerUserReport	
🗄 🔄 dbo.PMX_SP_KPI_TimeManagmentReport	
🕀 🔄 dbo.PMX_SP_MasterSSCCLabel	
🗉 🖬 dbo.PMX_SP_PickListDocument	
🕀 🔄 dbo.PMX_SP_ProductionLabel	New Stared Decedure
🗄 🔄 dbo.PMX_SP_RecreateSynonymsOfSourceD	New Stored Procedure
🕀 🔄 dbo.PMX_SP_RouteDocument	Modify
🕀 🔄 dbo.PMX_SP_SalesOrderDocument	Execute Stored Procedure
🕀 🔄 dbo.PMX_SP_ShippingLabel	Script Stored Procedure as
🗉 📃 dbo.PMX_SP_ShippingLabelSmall	View Dependencies
🗉 🧾 dbo.PMX_SP_ShippingLabelWithItems	
dbo.PMX_SP_TransactionNotificationQueu	Policies •
🗉 📃 dbo.PMX_SP_WarehouseMoveDocument	Facets
E Functions	
🕀 🚞 Database Triggers	Start PowerShell
🕀 🧰 Assemblies	Reports •
🕀 🧰 Types	
	Rename
🕀 🧰 Defaults	Delete
Plan Guides	Refresh
	D
	Properties

Locate the "Produmex SboNotification Queue Code" at the end of this stored procedure (see illustration below)

--Following code must be added to the stored procedure SBO SP TransactionNotification ----to execute the PMX stored procedure: ----Start executing Produmex SboNotification Queue code ********************** --IF @error = 0 BEGIN -- BEGIN TRY ___ EXEC [EXTRA-DB].[dbo].[PMX_SP_TransactionNotificationQueue] ___ @object_type, ___ @transaction type, ___ @num_of_cols_in_key, @list_of_key_cols_tab_del, @list_of_cols_val_tab_del, ___ ___ ___ @error = @error OUTPUT, ___ @error_message = @error_message OUTPUT -- END TRY ___ BEGIN CATCH ---SELECT @error = ERROR_NUMBER(), @error_message = ERROR_MESSAGE() ---DECLARE @msg2 as NVARCHAR(255) SET @msg2 = SUBSTRING('PMX_NQ_SP: sql error ' + CAST(ERROR_NUMBER() AS NVARCHAR) + ' : ' + ERROR_MESSAGE() ___ ___ + ISNULL(' line ' + CAST(ERROR_LINE() AS NVARCHAR), '') + ISNULL(' in ' + ERROR_PROCEDURE(), ''),1,255) ___ EXEC xp_logevent 999999, @msg2, ERROR -- END CATCH --END ----End executing Produmex SboNotification Queue code *********

Copy the "Produmex SboNotification Queue Code".

This code should now be pasted in the "SBO_SP_TransactionNotification" stored procedure, in the **Company database**. Modify this stored procedure in the same way you modified the PMX_SP_TransactionNotificationQueue

Image: start PowerShell	표 📴 dbo.SBO_GetNextAutoKey	
Image: system of the syste		onNotice
H ■ dbo.TmSp_adding_To New Stored Procedure H ■ dbo.TmSp_AddSqlUser Modify H ■ dbo.TmSp_ArcCreateI Execute Stored Procedure H ■ dbo.TmSp_ArcCreateI Execute Stored Procedure as H ■ dbo.TmSp_ArcProcess View Dependencies H ■ dbo.TmSp_B1CFLDeple Policies H ■ dbo.TmSp_BOM_IsFat Facets H ■ dbo.TmSp_ChooseCIN Facets H ■ dbo.TmSp_CongrpLine Reports H ■ dbo.TmSp_ConvertGrp Rename H ■ dbo.TmSp_CorrActRep Delete H ■ dbo.TmSp_CorrActRep Properties H ■ dbo.TmSp_CorrActRep Properties H ■ dbo.TmSp_CorrActRep Properties	🕀 🔄 dbo.SBO_SP_TransactionNo	tification
Here dbo.TmSp_AddSqlUser Modify Here dbo.TmSp_ArcCreateI Execute Stored Procedure Here dbo.TmSp_ArcIVIDBHe Script Stored Procedure as Here dbo.TmSp_ArcProcess View Dependencies Here dbo.TmSp_B1CFLDeple Policies Here dbo.TmSp_B1CFLGetD Facets Here dbo.TmSp_ChooseCIN Facets Here dbo.TmSp_CongrpLine Reports Here dbo.TmSp_CongrpLine Rename Here dbo.TmSp_CorrActRep Delete Here dbo.TmSp_CorrActRep Properties Here dbo.TmSp_DAB002_Top5BPFutureRemitByAgeDa	🛨 🔝 dbo.TmSp_adding_To_	New Stored Procedure
 dbo.TmSp_ArcCreateI dbo.TmSp_ArcCreateI dbo.TmSp_ArcIVIDBHE dbo.TmSp_ArcIVIDBHE dbo.TmSp_ArcProcess dbo.TmSp_ArcSaveArc dbo.TmSp_B1CFLDeple dbo.TmSp_B1CFLGetD dbo.TmSp_BOM_IsFat dbo.TmSp_BOM_IsFat dbo.TmSp_ChooseCIN dbo.TmSp_ConvertGrp dbo.TmSp_ConvertGrp dbo.TmSp_CorrActRep dbo.TmSp_CreateIVIR 	🛨 🛃 dbo.TmSp_AddSqlUser	Modify
	🕀 📴 dbo.TmSp_ArcCreateE	Events Class I David and
	🛨 🛃 dbo.TmSp_ArcCreateI	Execute Stored Procedure
	🛨 🛃 dbo.TmSp_ArcIVIDBHe	Script Stored Procedure as
 ■ dbo.TmSp_ArcSaveArc ■ dbo.TmSp_B1CFLDeplo Policies ■ dbo.TmSp_B1CFLGetD ■ dbo.TmSp_BOM_IsFat ■ dbo.TmSp_BOM_IsFat ■ dbo.TmSp_ChooseCIN ■ dbo.TmSp_ChooseINV ■ dbo.TmSp_ConGrpLine ■ dbo.TmSp_ConvertGrp ■ dbo.TmSp_CorrActRep ■ dbo.TmSp_DAB002_Top5BPFutureRemitByAgeDa ■ dbo.TmSp_DAB002_Top5BPOverdue90PDayByAc 	🛨 🛃 dbo.TmSp_ArcProcess	View Dependencies
	🛨 📴 dbo.TmSp_ArcSaveArc	
	🛨 📴 dbo.TmSp_B1CFLDepl	Policies
	🕀 📴 dbo.TmSp_B1CFLGetD	Eacetr
	🛨 📴 dbo.TmSp_BOM_IsFat	
	🛨 📴 dbo.TmSp_BOM_IsFat	Start PowerShell
	🕀 🔄 dbo.TmSp_ChooseCIN	
	🕀 🔄 dbo.TmSp_ChooseINV	Reports
• ■ dbo.TmSp_ConvertGrr Rename • ■ dbo.TmSp_CorrActRep Delete • ■ dbo.TmSp_CorrActRep Delete • ■ dbo.TmSp_CorrActRep Properties • ■ dbo.TmSp_DAB002_Top5BPFutureRemitByAgeDa • ■ ■ dbo.TmSp_DAB002_Top5BPOverdue90PDayByAc	🛨 🔄 dbo.TmSp_ConGrpLine	
	🛨 🔄 dbo.TmSp_ConvertGrp	Rename
		Delete
E dbo.TmSp_CorrActRep Properties dbo.TmSp_CreateIVIR dbo.TmSp_DAB002_Top5BPFutureRemitByAgeDa dbo.TmSp_DAB002_Top5BPOverdue90PDayByAc▼	Image: Book State Sta	Refresh
	dbo.TmSp_CorrActRep	Properties
	dbo.TmSp_CreateIVIR	outernockes
dbo.TmSp_DAB002_Top5BPOverdue90PDayByAc	H Mo.TmSp_DAB002_Top5BP	FutureRemitByAgeDa
	Image: Book State Sta	Overdue90PDayByA

Paste the "Produmex SboNotification Queue Code" at the end of it, right after the code you have copied for the Produmex Addon stored procedure (see "Enable the standard PMX stored procedure").

implementation:installguide http://wiki.produmex.name/doku.php?id=implementation:installguide

Last update: 2016/03/11 16:31 ---End executing Produmex Logex Addon code Start executing Produmex SboNotification Queue code العالية بعالية بعالية بعالية بعالية بعالية بوالوالو لوالو لوالو لوالو -IF @error = 0 BEGIN BEGIN TRY EXEC [PMX_DEMO_PMX_debug].[dbo].[PMX_SP_TransactionNotificationQueue] @object type, @transaction_type, @num_of_cols_in_key, @list_of_key_cols_tab_del, @list_of_cols_val_tab_del, @error = @error OUTPUT, @error_message = @error_message OUTPUT END TRY BEGIN CATCH SELECT @error = ERROR_NUMBER(), @error_message = ERROR_MESSAGE() DECLARE @msg2 as NVARCHAR(255) EXEC xp_logevent 999999, @msg2 , ERROR END CATCH -END -End executing Produmex SboNotification Queue code ******

Afterwards you need to uncomment the SP by clicking the "uncomment" button in SQL management studio.

The end result should look like this:



After these modifications. Execute the SBO_SP_TransactionNotification stored procedure.

6. Registering the Produmex add-on

For our next step we need to register the Produmex add-on component in Sap Business One.

Note: Make sure you run SAP Business One Client as administrator and use the 32-bit version.

Sap Business One Client 64-bit is not supported.

• In SAP Business One open the "Administration" module and then select "Add-On Administration"



• Select "Register Add-On" and select the "Produmex AddOnLoader.ard" file that can be found in the installation file ".... \9\AddOnLoader"

	Company Preferences	Use	r Preferenc	es													
Avail	lable Add-Ons	-				Compa	ny-Assig	ned Add-O	Ins								
ID	Add-on Name	Version	Platform			Order	Add-or	n Name	Version	Default G	roup	Force	Install	Active	Platform		
5	EFM Format Definitio	900.059.00.	x64	-		1 Screen Pain		Painter	900.059.0	Manual	-			~	x64	-	
В	Outlook_Integration	900.059.00.	x64			2	Paymer	Add-on	Registr	ation			_				
								Installatio	n Inform	ation							
								Regis	stration Da	ata File							
					∎			Insta	lation Pa	ckage							
					₽			Silent Ins	tallation II	nformation							
								Upg	rade Pack	age							
								Insta	allation Pa	rams Packa	ge						
								Unin	stallation I	Params Pac	kage						
								Upg	rade Para	ms Packag	2						
				Ŧ				Assig	n to Curn	ent Compa	nv						
Reg	gister Add-on Rem	ove Add-o	n			Send	l Notifica		nstall as Pa	art of Regis	tration	1					
0)K Cancel	1															

· Selecting this file will also open the associated add-on installation package

Add	on Administration															4
	Company Preferences	User	r Preferenc	es												
Ava	ilable Add-Ons					Compa	ny-Assig	ned Add-O	Ons							
ID	Add-on Name	Version	Platform			Order Add-on		n Name	Name Version Default Group		Force Install	Active	Platform			
5	EFM Format Definition	900.059.00.	x64	-]	1	Screen	Painter	900.059.0	Manual	•		✓	x64	-	
8	Outlook_Integration	900.059.00.	x64			2	Paymer	Add-on	Registra	ation						
	Installation Information															
						Registration Data File Z:\ShareMap_VM\Produmex_PNG_4_1_1_3\9\Add						9\Add				
					–	Installation Package Z:\ShareMap_VM\Produmex_PNG_4					G_4_1_1_3	bbA/9				
					₽			Silent In:	stallation Ir	nformation						
								Upg	rade Pack	age						
								Inst	allation Par	rams Package						
								Unir	nstallation P	Params Packag	e					
								Upg	rade Parar	ms Package						
				-				✓ Assig	gn to Curre	ent Company						
Re	egister Add-on Ren	n <u>o</u> ve Add-o	n			Send	l Notifica	V 1	nstall as Pa	art of Registration	on					
	OK Cancel							OK		Cancel						

• Select the option "install as part of my registration".

Select the installation folder, then press next.

🕥 Produmex Add	OnLoader	×
Confirm in AddOnLoa	stallation settings for Produmex ader	
Installation folder:	C:\Program Files\SAP\SAP Business One\AddOns\PMX\	Produmex Add
	Next >	Finish

The installer opens and starts installing the Produmex add-on. Following the installation, SAP Business One needs to close and be restarted.

🕫 Produmex AddOnLoader		X
Installing		
C:\Program Files\SAP\SAP Business One\AddOns\PMX\f C:\Program Files\SAP\SAP Business One\AddOns\PMX\f No errors.	\Produmex AddOnLoader\Interop.SAF \Produmex AddOnLoader\Interop.SAF \Produmex AddOnLoader\Iog4net.dll \Produmex AddOnLoader\Iog4net.xml \Produmex AddOnLoader\Produmex.F \Produmex AddOnLoader\Produmex.F	•
	Next > Finish	

Restart SBO, open the "Administration" module and then select "Add-On Administration".

• In the "Company Preferences Tab" select the Produmex Add-On and tick the options "Active", "Automatic" and "Force Install". Then click update.

	In Administration				_									
2	ompany Preferences	User	r Preferenc	es										
Availa	ible Add-Ons					Compa	ny-Assigned Add-Or	ns						
ID	Add-On Name	Version	Platform			Order	Add-On Name	Version	Default Group	Force Install	Active	Platform		
1	Screen Painter	900.058.00.	x86]	2	Produmex AddOnL	4.1.1.9	Automatic 💦	 ✓ 	✓	x86	٠	
	Datev	900.058.00.	x86											
	EFM Format Definitio	900.059.00.	x86											
	ELSTER	900.058.00.	x86											
	Outlook_Integration	900.058.00.	x86											
	Payment	900.058.00.	x86		∎									
3	Sap LocBe	3.7.2.37	x86											-
4	coresuite	4.00	x86		∟									
9	B1 Usability Package	2014.0.1.0	x86											-
				Y										
<u>R</u> egi	ster Add-On Rem	n <u>o</u> ve Add-C	n			Send	Notification to Users							
Upd	ate Cancel]												_

- In the "User Preferences Tab", select the Produmex Add-On, select the user 'manager' and verify that for the Produmex Add-On the preferences are set to automatic.
- Next go to "Add-On Manager" function, select "installed add-ons".
- If the Produmex Add-On is not running, select it and click "start".

The following screen appears:

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First click Update database to perform the needed database changes. (Only if database is not up to date yet).

Click the button 'Set DB Credentials' to provide the needed data.

🎯 Prod	umex Add-On	×
Datab	Sy AddOnManager - Set DB credentials	
Logex	Enter DB credentials Please enter user name and password for database access:	
	User name: sa	<u></u>
	Password:	
	OK Cancel	
_		~
		Þ

When credentials are set, you can click the button 'Exit Add-on'. This will start downloading the needed files for the add-on.

The Produmex Add-On is now installed and ready to be used.

7.Configuration for clients

7.1.Organizational structure

Organizational structure - Produmex Loge	x AddOn v4.1.0.9999				
Search	Code	PDMX			
Organizational structure	Name	Produmex			
	General Defaults Exter	nsion parameter Product	ion SSCC Reports	Print events Zone types	Page s ◀ ▶
	Language	English (3)	•		
	Company logo URL				
	DB user name	sa			
	DB password	******			
	PMX License Server	localhost			
	└─Logistic carriers ✓ Store logistic carrie └─ Move all logistic ca	ers on 1 storage location b arriers on reception	oy warehouse		
	Quality status for logis	stic carriers R	eleased (RELEASED)	-	
	Select driver when low	adinq vhen loading when loading	Goods receipt rec Goods receipt aut	quires suppl. ref tomatically prints item lab	els
	Use inventory returna Set vat group returnal	able items on documents ble items on documents	Disable item sele	ction in flows	
	Pick list proposal allo Do not lock stock on Allow over picking Count colli after picki	wed to exceed order picking (Pick lists can be ng	created even if no stoc	k is available)	
	Ok Canc	el			
1					Close

Make sure the IP address or host name of the server where the PMX License Server is running is filled in, add-on clients will require this to be able to connect.

You can do this initially on the SBO license server itself because the add-on will try to connect locally if this field is empty.

If it is not possible to run the add-on on the machine running the PMX License Server, you will have to enter this information in the database, after creating the company element. Table "PMX_OSCO", field "SboLicenseServerAddress": only enter the IP address or host name, no port or other information is allowed.

8.Performing a version update

8.1.Uninstalling and installing the components.

Installing a new version of PDMX suite over an older version is similar to installing a completely new version. This chapter will explain every step that needs to be taken to perform a version update. Seeing some steps are equal to the steps of a completely new installation, this chapter will not go into detail on these steps. For more details, please refer to the instructions described in the previous chapters.

First, make sure **no one is logged in the SAP live environment, neither SAP users nor Deviceclients**. To verify this, check the Task manager and disconnect every user that still has a connection open to the server.

Device-clients like touchscreen-terminals and scanners keep most of their data in cache, such as company settings and any installation files. When these devices boot, they will connect to the server and retrieve the new scripts and other installation files.

As a best practice, copy the configuration file (*ProdumexInstallConfig.xml*) of your previous installation in the ProdumexSuiteInstaller directory of your new version. In this way you will not have to specify your SAP Business One databases manually.

Second, we need to remove the old components. To do this, start the Produmex Suite installer **as an administrator**.

Produmex Suite Installer									
Produmex Suite Installer Produmex Suite for SAP Business One								K	
Computer name: DEV_SAP9_RWU Target environment									
System assignment: SBODemo_U	System assignment: SBODemo_US Production Test								
General SBODemo_US X +									
Directory C:\Program Files (x86)\Produmex Assign to this computer									
Name	Required	Install directory	Installed Version	Available Version	Instance Alias				
Produmex Tools	I	C:\Program Files (x86)\Produmex\Produmex Tools	4.1.1.3	4.1.1.4			Install	Uninstall	Config
Produmex License Server	~	C:\Program Files (x86)\Produmex\Produmex License Server	4.1.1.3	4.1.1.4			Install	Uninstall	Config
Produmex SB1 Notification Listener	•	C:\Program Files (x86)\Produmex\Produmex SB1 Notification Listener (SboConnectionString)	4.1.1.3	4.1.1.4	SboConnection String	0	Install	Uninstall	Config
Produmex Fat Client	•	C:\Program Files (x86)\Produmex\Produmex Fat Client	4.1.1.3	4.1.1.4			Install	Uninstall	Config
I Instali ali									
								Save	e

Then, click the uninstall button of each component to remove the component.

Note: It is not necessary to remove the "Produmex Licensing Server" for the installation of a new version of the Produmex Add-on. In case it is not removed, the "Produmex Licensing Module" will not have to be re-installed during the installation process. If you do need to reinstall the Produmex License Server, make sure you back up the PmxLicenseData.xml file from the install directory so you can use this after the installation.

Afterwards, you need to install every component. Now you need to run the UpdateDatabase tool by clicking the config button of the Produmex Tools component.

Produmex Suite Installer										
Produmex Suite Installer Produmex Suite for SAP Business One										
Computer name: DEV_SAP9_F	Computer name: DEV_SAP9_RWU Target environment									
System assignment: SBODemo_US Production Test										
General SBODemo_US X +										
Directory C:\Program Files (x86)\Produmex Assign to this computer										
Name	Required	Install directory	Installed Version	Available Version	Instance Alias					
Produmex Tools	V	C:\Program Files (x86)\Produmex\Produmex Tools	4.1.1.3	4.1.1.4			In	nstall	Uninstall	Config
Produmex License Server	•	C:\Program Files (x86)\Produmex\Produmex License Server	4.1.1.3	4.1.1.4			In	nstall	Uninstall	Config
Produmex SB1 Notification Listener	•	C:\Program Files (x86)\Produmex\Produmex SB1 Notification Listener (SboConnectionString)	4.1.1.3	4.1.1.4	SboConnection String	C	(3) Ir	nstall	Uninstall	Config
Produmex Fat Client	•	C:\Program Files (x86)\Produmex\Produmex Fat Client	4.1.1.3	4.1.1.4			In	nstall	Uninstall	Config
∢ Instali ali										
									Save	e

8.2.Configuration of the components.

Running the UpdateDatabase tool is similar as installing a new version. Only the steps taken are somewhat different:

🔜 C:\Program Files (x86)\Produmex\Produmex Tools\Produmex.Sbo.Logex.Tools.UpdateDatabaseTool 💶 🗙
(o)?
y C:\Program File
Undated to version 396
Undated to version 398
Update SP
Add user queries
Update languages
Add views
Add SP and Views - extra db
Recreate synonyms
Had functions - extra an
Round custom 'AddlindateData.cs' executing
Connection is oven to database
Workf lows
Tables
Connection is open to database
Add SP
Done
Update script flows
Found custom 'EnterPickingQuantityHookFlow' without PmxWorkflowExecutionlype
SUB FLOW [4] ASNRecentionScript

Here the UpdateDatabase tool will look for the version installed and add every database modification it needs. Just like in previous steps taken, we will see custom adjustment executed if applicable.

Besides this, you need to update the localizations and upload the addon-files to the database. Do not forget to browse for the custom project build if needed.

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Si Add(DnUploaderF	orm	
Compar	ny DB: SBODe	emo_US_41 AddOn in DB: v4.1.1.2+2	
Stop	scan	Browse Upload !	
Done.			
Upload	Version	Directory	FileName
	4.1.1.4	C:\Program Files (x86)\Produmex\Produmex Tools\AddOnMaster	Produmex.Foundation.Sbo
	4.1.1.4	C:\Program Files (x86)\Produmex\Produmex Tools\Logex.AddOnPlugin	Produmex.Sbo.Logex.Add
		C:\Program Files (x86)\Produmex\Produmex Tools\Logex.AddOnPlugin	Produmex.Sbo.Logex.Add
4			•

Afterwards, click upload.

Next you need configure the notification listener. Return to the system tab of the Produmex Suite installer and click the config button of that component.

Make sure the service broker is enabled by running the "Configure database" option in Console mode. If the service broker is enabled you will see the following message:



Next you need to list the actions in the same manner as performing a new installation., run the "List Actions" option in console mode and when the tool is done, press ENTER.

Next you need to adjust the standard SBO_SP_TransactionNotification with the T-SQL code from the "PMX_SP_TransactionNotification" stored procedure as descripted in chapter 5, the same goes for any custom stored procedures if any are included in the custom version.

Afterwards you can start SAP Business One and the addon-files will be automatically loaded. Make sure the company settings on your organizational structure settings are correct (see chapter 7).

After installing PMX, you'll have an organizational structure. When you made this company with a restore of another database, the link between the SAP and the PMX database will be wrong.

You can check this with following query; this query should be executed on the SAP database. you have to have a link to the correct PMX database;



When you did a restore of another existing database, you'll also have to run the following stored procedure on the PMX database. You'll have to give the SAP database as a parameter.

```
USE PMX DATABASE
 1
 2
    G0
 З
 4 ⊡DECLARE @RC int
   DECLARE @sourceDb sysname
 5
 6
 7
     -- TODO: Set parameter values here.
8
  EXECUTE @RC = [dbo].[PMX SP RecreateSynonymsOfSourceDb]
9
10
        @SAP DATABASE
     GO
11
12
13
14
```

From: http://wiki.produmex.name/ -	
Permanent link: http://wiki.produmex.name/doku.php?id=implementation:installguide	×
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