# **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 4.6.2 framework (Every machine running PMX)
- Installation of Crystal Reports basic runtime for Visual Studio 2008
- Administrative rights
- A valid Produmex license-file.
- The ComLicenseBridge (Only SQL environment, on server where SAP license service is running)

After installing the .NET 4.6.2, restart the computer before any other install or upgrade process.

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.

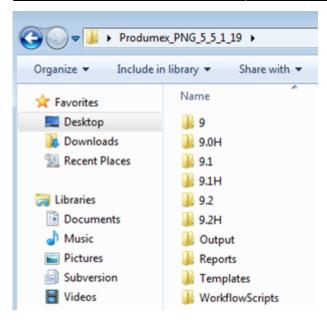
Please make sure all prerequisites are installed, otherwise Produmex will not work!

# 3. Executing a new installation

In this and the following sections 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).

When opening the unzipped folder, we need to select the folder corresponding to our SAP version we are running. The supported SAP versions depend on which PDMX Build you are installing. See here an example with folders for SAP Versions 9.0 / 9.0 HANA / 9.1 / 9.1 HANA / 9.2 / 9.2 HANA.



Afterwards, locate the directory of the Produmex Suite installer (e.g: Produmex\_PNG\_4\_1\_1\_2\9\ProdumexSuiteInstaller) and execute the .exe. Make sure you have administrator privileges when executing this application.

After launching the .exe file, the End User Licence Agreement window will open up. Produmex can only be installed if the License Agreement is accepted.

Frm_Eula – 🗖	x
END USER LICENSE AGREEMENT	^
This End User License Agreement (this "EULA"), is by and between Produmex bvba, with offices located at Kasteelhoekstraat 1, B-1820 Perk, ("Licensor") and the purchaser/user of the software ("Licensee") (each a "Party" and collectively, the "Parties").	
WHEREAS Licensee has entered into an agreement with a Produmex Authorized Reseller for the purchase of certain software licensed by Licensor and/or services relating to such software (the "Agreement"); and	
WHEREAS Licensee hereby enters into a license agreement with Licensor.	
NOW, THEREFORE, in consideration of the terms, mutual promises and agreements contained herein, Licensor and Licensee agree as follows:	~
Decline Accept	

After accepting the License Agreement, the system proceeds to PDMX Suite Installer.

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

These steps below detail the initial setup of the PDMX Suite Installer. This configuration can be saved and reused for upgrades. It can also be modified. (see point ADDING DATABASE TO EXISTING INSTALLATION - To be constructed).

#### 3.1.1. General Tab

AP license server DEV_SAP9_FR:30000 2 DB user name sa 5	
Common connection settings SAP license server DEV_SAP9_FR:30000 2 DB user name sa 5	
SAP license server DEV_SAP9_FR:30000 2 DB user name sa 5	
DB server address DEV_SAP9_FR 3 DB password B1Admin 6	
DB server type MSSQL2008 4 - DB culture en-US 7	
SAP Business One connections	
Environment Alias Company database PMX database SAP user SAP SBO Direct name password connection connection	
Production V SBODemo_US SBODemo_US PMX_SBODemo_US manager produmextest	
8 9 10 11 12 13 14 15	

#### 3.1.1.1. System/server related fields

1. Shows the name of the server we are currently running the SuiteInstaller on. It's recommended to start the installation on the SAP server. In the example, our SAP server name is DEV\_SAP9\_FR.

2. Fill 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.

3. Fill 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.

4. Select the type of the database management system installed on the server

- 5. Fill the database username that has dbo rights on the SBO company database(s)
- 6. Fill the Database user password
- 7. Fill the database culture

#### 3.1.1.2. Database/company related fields

8. Select Production or Test environment. This field corresponds with the Target Environment that is selected on top of the PDMX SuiteInstaller. This feature can be used to install 2 different versions of the PDMX Suite on 1 server. One version can be the TEST version, and the other version can be the PRODUCTION version. In this field, we will tell the system which database/company will be part of the production environment, and which database/company will be used as a test database. When doing an initial demo installation, you can leave it as is on production.

9. Fill the Alias for the so-called "ConnectionString". This will be the name we will use troughout the rest of the installation and configuration. It's highly recommended to use the database name as your alias. This to avoid any confusion.

10. Fill the name of the company database. In the given example it is "SBODemo\_US".

11. Fill the name of the PDMX database. When doing an initial installation, the PDMX database does not exist yet. So it will be created based on the name we give here. It's recommended to use the company database name, with a PMX\_prefix. So in the given example is becomes "PMX\_SBODemo\_US".

12. Fill the SAP User name. Typically the manager user is used here.

13. Fill the SAP User password After this data has all been filled, we can test the connections. For this we have 2 buttons saying "...test..." for each database/company we have added.

14. This button will test the SBO connection trough DI-API – click it to start the test.

15. This button will test the direct SQL connection trough SQL Native Client – click to test.

Produmex Suite In	Produmex Suite Installer								
Produmex Suite for S	Guite Installer SAP Business One					Produmex a Movilitas company			
Computer name:	DEV_SAP9_FR	Target environme	ent						
System assignment:	DEV	Production	Test						
General	+								
			Common conne	ection settings					
SAP license server	DEV_SAP9_FR:30000	DB user name sa							
DB server address	DEV_SAP9_FR	DB password B1Ac	dmin						
DB server type	MSSQL2008	▼ DB culture en-U	IS						
			SAP Business C	ne connections					
Environment	Alias Company database		SAP user SAP name password	SBO connection	Direct connection				
Production -	SBODemo_US_5 SBODemo_US_5	PMX_SBODemo_US r	manager produmex	test	test				
			Produmex Suite Insta	ller 💽	Produmex Suite Installer				
			Test succ	eeded!	Test succeeded!				
Produmex Add-O	ח		Database	version: 900060	Database version: 10.50.2550				
Visible passwords	<b>v</b>								
				ОК	ОК	Save			

When these tests have succeeded, make sure to hit the Save button on the bottom right corner. When saving this configuration, the system will create a .config file that we will re-use later for potential upgrades.

#### 3.1.2. Creating a new TAB per server

For each server that will have a PDMX Suite component installed, we will make a new tab in the SuiteInstaller screen. Typically, we have at least 2 servers.

- SAP server with the Produmex Tools, Fat Client & License Service (and other optional services) installed.
- Terminal server with the Produmex Fat Client (= scanner application) installed.

We can now add a new tab (for the SAP server in this example) by clicking on the + icon next to the

General tab  $\rightarrow$  Then fill the name of the SAP server:

Produmex Suite Installer						
Produmex Suite Installer Produmex Suite for SAP Business One						
Computer name: DEV_SAP9_FR Target environment						
System assignment: DEV		Production	Test			
General +	New system	×				
System name: DEV_SAP9_FR						
OK Cancel						

#### 3.1.2.1. Select required components for server

Produmex Suite Installer										
Produmex Suite Inst Produmex Suite for SAP Business (										a Movilitas company
Computer name: DEV_SAP9_F	R		Target environr	nent						
System assignment: DEV_SAP9_F	r <b>2</b>		Production	Test						
General DEV_SAP9_FR	•									
Directory C:\Program Files\Produr	nex	Assign	to this computer	l						
Name	Required	Install directory	Installed Version	Available Version	Instance Alias				Config	
Produmex Tools				5.5.1.19			Install	Uninstall	Config	
Produmex License Server	V			5.5.1.19			Install	Uninstall	Config	
Produmex SB1 Notification Listener				5.5.1.19		) 🗘 🔇	Install	Uninstall	Config	
Produmex Fat Client	<b>V</b>			5.5.1.19			Install	Uninstall	Config	
	3			4			5	6	7	
Install all Uninstall all 8										Has custom files 👿 9
										Save

1. With this button, we can tell the application that this is the server we are currently working on. This will be saved so the SuiteInstaller will open on the correct tab, depending on what server you are opening it on. So we need to start by pushing this button to assign this server.

2. When the button was pushed, we can see the name of the server appearing on the "System assignment" field.

3. With these checkboxes, we can decide what will have to be installed on this server. Typically, a SAP server has the Tools, License Server & Fat Client installed. If we need a SB1 Notification Listener, this is typically also installed on the SAP server.

4. This shows the version of the PDMX Suite that we are about to install.

5. These Install buttons allow us to install the components one by one.

6. These Uninstall buttons allow us to uninstall the components one by one.

7. Config button will be used for the Tools & License Server (and for the optional SB1 Notification Listener).

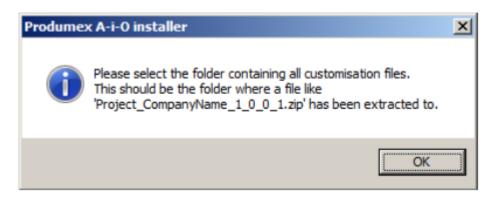
8. Install / uninstall all: these buttons will install or uninstall all the checked components.

9. Has custom files checkbox 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".

So in our example, we have checked the Tools, License Server & Fat Client. If we click on "install all' (8), it will do the installation of all these components:

Produmex Suite In	istaller					
Produmex Suite Installer Produmex Suite for SAP Business One						
Computer name:	DEV_SAP9_F	R		Target environment		
System assignment:	DEV_SAP9_F	R		Progress		
General DE	V_SAP9_FR	× +	- 1		Installing all	
	am Files\Produm	-		Task Produmex Tools	Info	
Name		Required	aire	<ul> <li>Program Files</li> <li>Configuration</li> </ul>		
Produmex Tools Produmex License S			C:\F C:\F	Produmex License Server		
Produmex SB1 Notifi Produmex Fat Client			C:\F	<ul> <li>Configuration</li> <li>Windows Service</li> <li>Produmex Fat Client</li> <li>Program Files</li> <li>Configuration</li> </ul>	[I] Install	
Install all	Ininstall all				ОК	

**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	
<ul> <li>Image: Computer</li> <li>Image: Network</li> <li>Image: Network</li> <li>Image: Network</li> <li>Image: Network</li> <li>Image: Control Panel</li> <li>Image: Recycle Bin</li> <li>Image: December 2000</li> <li>Image: Network</li> <li< th=""><th>1</th></li<></ul>	1
Make New Folder OK	Cancel

### **3.2. Component configuration**

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

#### **3.2.1. 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						
		Pi	rodumex To	ols		
	Update Database	Run				
Alias	CompanyDb	ExtraDb	SAPUserName	SAPPassword		Null
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.

Produmex Da	itabase Upgrade		
Connection:	SboConnectionString	•	
Vpgrade d	atabase	Vpdate localizations	Start
🔽 Create	User Defined Fields (slow on big DB's)	Update add-on files	
			*
			<b>.</b>

#### 3.2.1.1. 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.

Last update: 2016/12/13 17:09 implementation:install\_pdmx\_suite http://wiki.produmex.name/doku.php?id=implementation:install\_pdmx\_suite

Produmex Da	atabase Upgrade					
Connection:	SboConnectionString					
✓ Upgrade d	latabase	✓ Update localizations	Start			
✓ Create	User Defined Fields (slow on big DB's)	✓ Update add-on files				
Start UpdateDatabaseTool Alias=SboConnectionString CompanyDB=SBODemo_US ExtraDB=PMX_SBODemo_US Trying to upgrade the database to the latest version Creating UDT 37/37 @PMX_QUVV						
Creating UDO 3 SAP table 29/29 Upgrading table	5/35 @PMX_QUVV 9 OINV configuring UDF's 111/111 PMX_QUVA 41/111 PMX_PLHE foreign keys					

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..

2016/12/21 19:11

Produmex Da	atabase Upgrade		
Connection:	SboConnectionString		
✓ Upgrade d	latabase	✓ Update localizations	Start
√ Create	User Defined Fields (slow on big DB's)	✓ Update add-on files	
Start UpdateDat	abaseTool		*
Alias=SboCon	nectionString		
CompanyDB=	SBODemo_US ExtraDB=PMX_SBODemo_US	5	
Update indices Table 111/111 Add views Extra DB Add system pri Recreate syno Add functions Update SP Add user queries Update languag Execute scripts Found custom Update script flo Found custom Compile all work	onyms and procedures es n 'AddUpdateData.cs' executing	w'	-

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.

#### 3.2.1.2. 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.

Produmex Da	atabase Upgrade		
Connection:	SboConnectionString	-	
✓ Upgrade d	latabase	Update localizations	Start
✓ Create	User Defined Fields (slow on big DB's)	✓ Update add-on files	
2015-01-22 15:4 2015-01-22 15:4	<ul> <li>I5:14 - Add Logex.AddOn.InvReportFom.LbIRd</li> <li>I5:14 - Add Logex.AddOn.InvReportFom.Print</li> <li>I5:14 - Add Logex.AddOn.InvReportFom.Print</li> <li>I5:14 - Add Logex.AddOn.InvReportFom.Print</li> <li>I5:14 - Add Logex.AddOn.InvReportFom.Print</li> <li>I5:14 - Add Logex.AddOn.InvReportFomSelec</li> <li>I5:14 - Add Logex.AddOn.InvReportFomSelec</li> <li>I5:14 - Add Logex.AddOn.InvReportFomSelec</li> <li>I5:14 - Add Logex.AddOn.InvReportFomSelec</li> <li>I5:15 - Add Logex.AddOn.InvReportFomSelec<!--</th--><th>temLabel ProductionLabel ReceptionLabel ShippingLabel tionCriteria tionCriteria.BtnCancel tionCriteria.CmbGroupBy.ValidValue.Bat tionCriteria.CmbGroupBy.ValidValue.Det tionCriteria.CmbGroupBy.ValidValue.Iten tionCriteria.CmbGroupBy.ValidValue.Iten tionCriteria.CmbGroupBy.ValidValue.Sto tionCriteria.CmbGroupBy.ValidValue.Sto tionCriteria.CmbGroupBy.ValidValue.Wa tionCriteria.Errors.LocationButtonClick tionCriteria.Errors.LocationButtonClick tionCriteria.LblBatchNumFrom tionCriteria.LblBatchNumFrom tionCriteria.LblBatchNumFrom tionCriteria.LblBatchNumFrom tionCriteria.LblItemFrom tionCriteria.LblItemFrom tionCriteria.LblItemTo tionCriteria.LblItemTo tionCriteria.LblItemTo tionCriteria.LblSSCC tionCriteria.LblSvopplier tionCriteria.LblSupplier tionCriteria.LblSupplier tionCriteria.LblSupplier tionCriteria.LblSupplierPalletNumber</th><th>tail n rageLocation</th></li></ul>	temLabel ProductionLabel ReceptionLabel ShippingLabel tionCriteria tionCriteria.BtnCancel tionCriteria.CmbGroupBy.ValidValue.Bat tionCriteria.CmbGroupBy.ValidValue.Det tionCriteria.CmbGroupBy.ValidValue.Iten tionCriteria.CmbGroupBy.ValidValue.Iten tionCriteria.CmbGroupBy.ValidValue.Sto tionCriteria.CmbGroupBy.ValidValue.Sto tionCriteria.CmbGroupBy.ValidValue.Wa tionCriteria.Errors.LocationButtonClick tionCriteria.Errors.LocationButtonClick tionCriteria.LblBatchNumFrom tionCriteria.LblBatchNumFrom tionCriteria.LblBatchNumFrom tionCriteria.LblBatchNumFrom tionCriteria.LblItemFrom tionCriteria.LblItemFrom tionCriteria.LblItemTo tionCriteria.LblItemTo tionCriteria.LblItemTo tionCriteria.LblSSCC tionCriteria.LblSvopplier tionCriteria.LblSupplier tionCriteria.LblSupplier tionCriteria.LblSupplier tionCriteria.LblSupplierPalletNumber	tail n rageLocation

#### 3.2.1.3. 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.

2016/12/21 19:11

Compar	AddOnUploaderForm    ×       Company DB: SBODemo_US    ×       Stop scan     Browse     Upload !						
Done.							
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				
1			•				

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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.

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

Compan Stop	nUploaderF y DB: SBODe scan		×				
Upload	Version	Directory	FileName				
	4.1.1.5	C:\Program Files (x86)\Produmex\Produmex Tools\AddOnMaster Produmex.Foundation.Sbo.AddO					
V	✓         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				

#### 3.2.1.4. Closing the tool

Last update: 2016/12/13 17:09

Produmex Database Upgrade	
Connection: SboConnectionString	
Upgrade database Update localizations	Start
☑ Create User Defined Fields (slow on big DB's) ☑ Update add-on files	
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 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 localizations 2015-01-22 15:48:09 - The localizations are updated Database update process finished. You can close this window.	
Database upgrade process completed successfully!	

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.

#### **3.2.2. Produmex License Server configuration**

#### 3.2.2.1. 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:

rganize ▼ Include in library ▼ Share with ▼ New fold				
				· * Lu
ame	Date modified	Туре	Size	
Produmex.Foundation.dll	2015-02-12 22:51	Application extension	112 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	36 KB	
Produmex.Foundation.Licensing.Sbo.ServiceHost.exe	2015-02-12 22:53	Application	66 KB	
Produmex.Foundation.Licensing.Sbo.ServiceHost.exe.config	2015-01-15 14:26	XML Configuration File	4 KB	
Produmex.Foundation.Licensing.Sbo.ServiceHost.InstallLog	2015-02-13 11:18	INSTALLLOG File	2 KB	
] Produmex.Foundation.Licensing.Sbo.ServiceHost.InstallState	2015-02-13 11:18	INSTALLSTATE File	5 KB	
Produmex.Foundation.Licensing.Sbo.ServiceHost.vshost.exe.config	,	XML Configuration File	4 KB	
Produmex.Foundation.Sbo.dll	2015-02-12 22:51	Application extension	17 KB	
Produmex.Foundation.SboGui.dll	2015-02-12 22:52	Application extension	183 KB	
Produmex.Foundation.SlimScreen.dll	2015-02-12 22:51	Application extension	30 KB	
Produmex.Foundation.SlimScreen.Interfaces.dll	2015-02-12 22:52	Application extension	104 KB	
Produmex.Foundation.Wcf.dll	2015-02-12 22:51	Application extension	6 KB	
Produmex.Foundation.Win32.dll	2015-02-12 22:51	Application extension	14 KB	
Produmex.Foundation.WinGui.dll	2015-02-12 22:51	Application extension	112 KB	
Produmex.Foundation.WinGui.Sbo.dll	2015-02-12 22:52	Application extension	57 KB	
Produmex.Foundation.Workflows.dll	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	
Produmex.Sbo.Logex.Licensing.Configurator.exe	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	

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.

#### 3.2.2.2. 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 Configura	itor						
	License	s			Assigr	ned 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					Show available names	for type : AddOn User 🔻
Туре	ValidTill	Count	UseAssignedName	Assignm			Available
AddOnUser	vr 06 sep 2999	99		LicenseType Na	me	Code	Name
DeviceClient	vr 06 sep 2999	99				alex	Alex Torras
						B1i	B1i
						B1i1	B1i1
						bill	Bill Levine
						bob	Bob Shone
						brad	Brad Thompson
						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 C	onfigura	itor								
Licenses						As	signe	ed Names		
City :	Perk				Connection name	Company				
Country :	Belguim	6			SboConnection String	SBODemo_US_41				
Host key :	N18826	91525								
	Choo	se new license file		Restart service						
		Save configuration					Sł	now available nam	es for type : AddOn User	•
Туре		ValidTill	Count	UseAssignedName	Assign	ments			Available	
AddOnUse	r	vr 06 sep 2999	99	<b>V</b>		Vame		Code	Name	<b></b>
DeviceClie	nt	vr 06 sep 2999	99		AddOnUser a	lex		linda	Linda Hudson	
					AddOn User m	anager		manager	manager	
								maria	Maria Bridi	
								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	
	_						J			•

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.

#### **3.2.3.** Types of license

#### 3.2.3.1. 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 Co	onfigurator								
	Licer	ses				Assigne	d Names		
City :	Gil			Connection	Company				
Country :	Van den Hauwe			name					
Host key :	E1951976264		]	SBODemo_US_43	SBODemo_US_	45			
	Choose new license f	ie 🎲	Restart service						
	🗟 Save configuratio	n				St	ow available na	mes for type : AddOn User	
Туре	ValidTill	Count	UseAssignedName	Asa	ignments			Available	
AddOnUser	r do 31 dec 209	9 3	V	LicenseType	Name		Code	Name	-
DeviceClier	nt do 31 dec 209	9 3		AddOnUser	manager		alex	alex	
			1	AddOnUser	alex		81i	B1i	E
				AddOnUser	bil		81/1	B1i1	1
				AddOnUser	bob	-	bil	ы	
				AddOnUser	brad	-	bob	bob	
				AddOnUser	carlos		brad	brad	
						-	carlos	carlos	
							christin	christin	
							dana	dana	
							donna	donna	
							doris	doris	
							eisa	elisa	
							emà	amhr	-

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)

#### **3.2.3.2. 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.

#### 3.2.3.3. 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.

#### 3.2.3.4. 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.

#### **3.2.4. Produmex SB1 Notification listener**

#### 3.2.4.1. 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:

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

🛄 C:\Program Files (x86)\Produmex\Produmex SB1 Notification Listener (SboConnectionString)\Produm 💶 🗖	X
:: Produmex.Foundation.SboNotification.ServiceHost 4.1.1.2 ::	
Configuring database * Using database 'PMX_SBODemo_US'	
Service broker not enabled on database 'PMX_SBODemo_US' Try to enable it? {all active transactions will be rollbacked !> [Y/n]: _	

Simply hit ENTER to finish the database configuration.

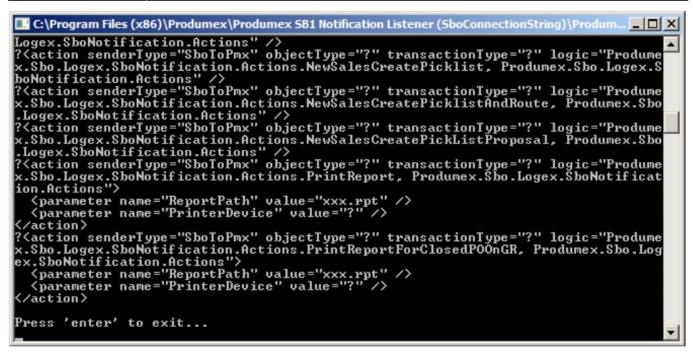
#### 3.2.4.2. Listing the actions

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.

<sup>-</sup> http://wiki.produmex.name/



Afterwards press ENTER to exit.

### 3.3. Adaptation of stored procedures

#### 3.3.1. Enable the standard PMX stored procedure

#### 3.3.1.1. With Microsoft SQL Server

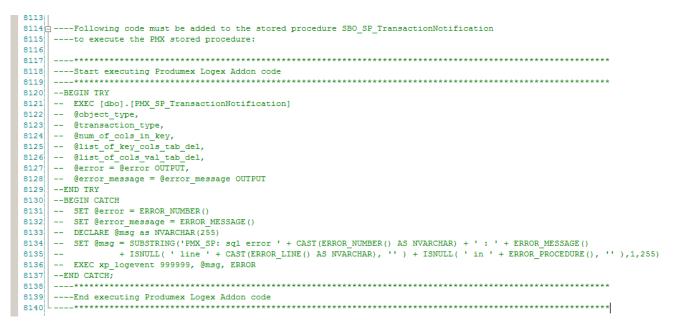
After the configuration is done you need to enable the (custom) stored procedures in the stored procedure of SAP named "SBO\_TransactionNotification".

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".

+	🛃 dboTmSp_UpgradePCH	1RPC1StockSumforND 30
+	🔄 dboTmSp_VariableUpda	ate OUOR
+	dboTmSp_VatSumCalc	31
+	dbo.PMX_SP_OECTransa	ctionNotification 38
+	dbo.PMX_SP_Transa	New Stored Procedure
+	🛃 dbo.SBO_GetNextAu	New Stored Procedure
+	dbo.SBO_SP_PostTr	Modify
+	dbo.SBO_SP_Transa	Execute Stored Procedure
+	dbo.TmSp_adding_T	Script Stored Procedure as
+	🛃 dbo.TmSp_AddSqlUs	Suprotoreur focculie us
+	🛃 dbo.TmSp_ArcCreat	View Dependencies
+	🛃 dbo.TmSp_ArcCreat	Delizion
+	🛃 dbo.TmSp_ArcIVIDB	Policies •
+	🛃 dbo.TmSp_ArcProce	Facets
+	🛃 dbo.TmSp_ArcSaveA	
+	🛃 dbo.TmSp_B1CFLDe	Start PowerShell
+	🛃 dbo.TmSp_B1CFLGe	Reports
+	🛃 dbo.TmSp_BOM_IsF	Reports •
+	🛃 dbo.TmSp_BOM_IsF	Rename
+	dbo.TmSp_ChooseC	
+	dbo.TmSp_ChooseIN	Delete
+	🛃 dbo.TmSp_ConGrpLii	Refresh
+	🛃 dbo.TmSp_ConvertG	
+	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: 2016/12/13 17:09 implementation:i	nstall_pdmx_suite http://wiki.produmex.name/doku.php	?id=implementation:install_pdmx_suite	
🖽 📷 aboimsp_variableupdate	_UUQK		
🛨 📴 dboTmSp_VatSumCalc			
🕀 📃 dbo.PMX_SP_OECTransactio	onNotification		
🕀 🧾 dbo.PMX_SP_TransactionNo	tification		
王 📑 dbo.SBO_GetNextAutoKey			
🕀 📃 dbo.SBO_SP_PostTransactio			
🛨 📃 dbo.SBO_SP_TransactionNo			
🕀 📃 dbo.TmSp_adding_To_	New Stored Procedure		
🛨 📴 dbo.TmSp_AddSqlUser	Modify		
🕀 📴 dbo.TmSp_ArcCreateD	Execute Stored Procedure		
🛨 📴 dbo.TmSp_ArcCreateI	Execute Stored Procedure		
🛨 📴 dbo.TmSp_ArcIVIDBHe	Script Stored Procedure as		
Image:	View Dependencies		
🛨 🔜 dbo.TmSp_ArcSaveArc			
E E dbo.TmSp_B1CFLDeple	Policies		
	Facets		
🕀 🔄 dbo.TmSp_BOM_IsFat			
🛨 🔤 dbo.TmSp_BOM_IsFat	Start PowerShell		
🕀 🔄 dbo.TmSp_ChooseCIN			
H dbo.TmSp_ChooseINV	Reports •		
🕀 🔄 dbo.TmSp_ConGrpLine	Rename		
🛨 📴 dbo.TmSp_ConvertGrp			
🛨 📃 dbo.TmSp_CorrActRep	Delete		
🗄 🔄 dbo.TmSp_CorrActRep	Refresh		
dbo.TmSp_CorrActRep	Refresh		
dbo.TmSp_CorrActRep     dbo.TmSp_CorrActRep	Properties		

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".

278	$\ominus$ Following code must be added to the stored procedure SBO_SP_TransactionNotification
279	to execute the PMX stored procedure:
280	
281	***********************************
282	
283	***********************************
284	IF @error = 0
285	BEGIN
286	BEGIN TRY
287	EXEC [dbo].[PMX_SP_OECTransactionNotification]
	@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()
	SET @msg = SUBSTRING('PMX_SP_NCF: sql error ' + CAST(ERROR_NUMBER() AS NVARCHAR) + ' : ' + ERROR_MESSAGE()
299	+ ISNULL( ' line ' + CAST(ERROR_LINE() AS NVARCHAR), '' ) + ISNULL( ' in ' + ERROR_PROCEDURE(), '' ),1,255)
	EXEC xp_logevent 999999, @msg, ERROR
301	
302	
303	
	End executing Produmex Logex Addon code
305	L*********************************

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

277

-

■  27 🦷   御 (御 御) 🔚 ≌   幸 幸   編 🖕	
SQLQuery4.sql	
19	
20 Return values	
21 declare @error int Result (0 for no error)	
22 declare @error message nvarchar (200) Error string to be displayed	
23 select @error = 0	
24 select @error message = N'Ok'	
25	
27	
28	
29*********************************	
30Start executing Produmex Logex Addon code	
31*********************************	
32 BEGIN TRY	
33 E EXEC [db0].[PMX_SP_TransactionNotification]	
<pre>34 @object_type,</pre>	
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	
43 SET @error = ERROR_NUMBER()	
44 SET @error_message = ERROR_MESSAGE()	
45 DECLARE @msg as NVARCHAR(255)	
46 SET @msg = SUBSTRING('PMX_SP: sql error ' + CAST(ERROR_NUMBER() AS NVARCHAR) + ' : ' + ERROR_MESSAGE()	
47 - + ISNULL( ' line ' + CAST(ERROR_LINE() AS NVARCHAR), '' ) + ISNULL( ' in ' + ERROR_PROCEDURE(), '' ),1,255)	
48 EXEC xp_logevent 999999, @msg, ERROR	
49 - END CATCH;	
50년	
51End executing Frodumex Logex Addon code	
52***********************************	
54	
55] Select the return values	
56 select Gerror, Gerror_message	
57	
58 Lend	
59	

After these modifications. Execute the SBO\_SP\_TransactionNotification stored procedure.

#### 3.3.1.2. 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

Last update: 2016/12/13 17:09	implementation:install_pdmx_suite http://wiki.produmex.r	name/doku.ph	p?id=implementation:install_pdmx_suite
▷ # SBOCOMMON ▲ # SBODEMOUS			
⊳ 🗁 Colum 🔠	New Table		
▷ 🗁 Functid ▷ 🗁 Indexes 🛛 🗮	Delete	Delete	
⊿ 🗁 Proced ⊳ 🗁 Tab	Refresh	F5	
📑 ATF 🚵	Import		
🕵 ATI 🛃	Export		
📑 ATI 💷	SQL Console		
📑 ATI 🔁	Find Table		
	Show Table Distribution		
ATP_A6_NORM_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_GETNEXTAUTOKEY					
📑 🔀 SBO_SP_PO	🕵 SBO_SP_POSTTRANSACTIONNOTICE				
📑 SBO_SP_TR	ANSA	CTIONNOTIFICATION			
🕵 SP_PROCE		Open Definition			
📑 TMSP_ADI		Show Authorization			
📑 TMSP_ADC					
📑 TMSP_ARC	×	Delete	Delete		
📑 🛃 TMSP_ARC					
📑 TMSP_ARC	8	Refresh	F5		
📑 TMSP_ARC	2	Import			
📑 TMSP_ARC					
📑 TMSP_ARC	4	Export			
📑 TMSP_B1C	SQL	SQL Console			
📑 TMSP_B1C	<b>B</b>	Find Table			
📑 TMSP_BON					
📑 TMSP_BON		Open with SAP HANA Stored Procedure Viewer			

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

2016/12/21 19:11 25/43 PDMX Suite Installation Guide 🕵 HDB - SBODEMOUS.SBO\_SP\_TRANSACTIONNOTIFICATION 🙁 - -HDB (SYSTEM) 10.45.74.43 00 Bx 0 🔗 Procedure Name: Schema: SBO\_SP\_TRANSACTIONNOTIFICATION SBODEMOUS Ŧ Parameter: Create Statement -- B1 DEPENDS: BEFORE:PT: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 AS -- Return values error int; 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 -- 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".

	PMX_SP_RebuildSequences				
6	PMX_SP_Trans	action	Notification		
	PMX_Test1 PMX_Test2 PRETEST_49_E		Open Definition Show Authorization		
ġ	PRETEST_52_4	×	Delete	Delete	
	PRETEST_53_F PRETEST_54_0	8	Refresh	F5	
	PRETEST_55_( PRETEST_57_F PRETEST_58_(	2 2	Import Export		
	PRETEST_59_0 PRETEST_60_I PRETEST_66_1	50L	SQL Console Find Table		
	PRETEST_68_I	коро	Open with SAP HANA Stored Procedure Viewer		

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)

Last update: 2016/12/13 17:09

IDB - TEST_PMX.PMX_SP_TransactionNotification 🛛		-
DB (SYSTEM) 10.45.74.43 00		
cedure Name:	Schema:	
DC_SP_TransactionNotification	TEST_PMX	
Parameters Create Statement		
<pre>END; /* TRY BEGIN CATCH     p_error := 60003     p_error message := 'PNX_SP: sql error '    CAST(ERROR_NUMBER() AS NVARCHAR)    ': '    ERROR_MESSAGE()</pre>		
SELECT p_error, p_error_message> done at the end of SBO_SP EXEC xp_logevent p_error, p_error_message, ERROR END CATCH */		
END		
Following code must be added to the stored procedure SBO_SP_TransactionNotification to execute the PAW stored procedure: Start executing Produmex Logex Addon code		
DECLARE EXIT HANDLER FOR SQLEXCEPTION		
BEGIN error := ::SQL ERROR CODE;		
erron_message = SUBSTRING( 'PNX_SP('    object_type    ','    transaction_type    ','    list_of_key_cols_tab_del		
','    list_of_cols_val_tab_del    ')'    CHAR(13)    CHAR(10)		
::SQL_ERROR_NESSAGE, 1, 200 );		
- 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,		× 1
error,		
erron_message );		· · · · ·
END; 		
 End executing Produmex Logex Addon code		

- 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

2016/12/21 19:11

27/43

💷 \*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\_TransactionNotificatior ( 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 nvarchar (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.

#### **3.3.2. 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.

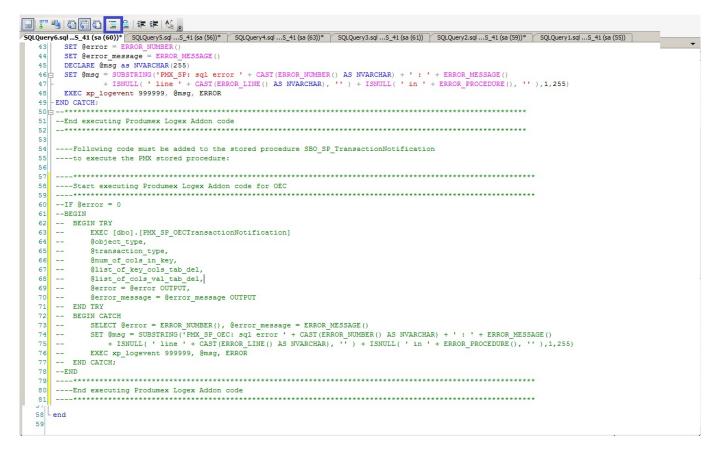
If this is the case, the stored procedures will be added on the company database in the same way a custom TransactionNotification stored procedure is added.

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.

H MoImSp_UpdateDouble		2/5		
dboTmSp_UpdateSubLineNumOILMAndOIVL 276		- END		
Image: BookTmSp_UpdateSubLineNumOINM 277		277		
Image: Barrier		278Following code must be added to the stored procedure SBO SP TransactionNotification		
🗉 🔄 dbotmsp_upgradefilloilmr	revalbaseddocsquantit	279to execute the PMX stored procedure:		
📧 📴 dbotmsp_upgradeilmtota	alscforbackflushchild	280		
🕀 🔢 dboTmSp_UpgradeImpor	rtExportProcess	281********************************		
🗄 🔄 dboTmSp_UpgradeOIPF	VersionNum	222Start executing Produmex Logex Addon code for OEC		
🗄 🔣 dboTmSp_UpgradeOIVLN	NonBaseDocsUpdateAll			
🖭 🛃 dboTmSp_UpgradeOIVLF		IF @error = 0		
🗄 📑 dboTmSp_UpgradePCH1				
🗉 🛃 dboTmSp_VariableUpdat	e_OUQR	206 BEGIN TRY		
🗉 📷 dboTmSp_VatSumCalc				
🛨 🛅 dbo.PMX_SP_OECTrapsact				
🗄 🔝 dbo.PMX_SP_Transac	New Stored Procedure	@object_type,		
Image: Image: Book and Amage: Book and Amage: Image: Book and Amage: Image: Book and Amage:	Modify	Gtransaction_type,		
🛨 🔝 dbo.SBO_SP_PostTra	Execute Stored Procedure	Gnum_of_cols_in_key,		
🕀 🔝 dbo.SBO_SP_Transac		@list_of_key_cols_tab_del,		
🕀 🔝 dbo.TmSp_adding_To	Script Stored Procedure as	Glist_of_cols_val_tab_del,		
Image: Book and Add Science	View Dependencies	@error = @error OUTPUT,		
Image: Barrier Barr		Gerror_message = @error_message OUTPUT		
Image: Image and Image	Policies	- END TRY		
Image: Book and American Activity In the Image and Im	Facets	BEGIN CATCH		
Image: Image and Image		SELECT @error = ERROR NUMBER(), @error message = ERROR MESSAGE()		
Image: Barry Ba	Start PowerShell	SET @msg = SUBSTRING ('PMX SP OEC: sql error ' + CAST (ERROR NUMBER() AS NVARCHAR) + ' : ' + ERROR MESSAGE()		
Image: Bigger	-	+ ISNULL( ' line ' + CAST(ERROR LINE() AS NVARCHAR), '') + ISNULL( ' in ' + ERROR PROCEDURE(), '' ),1,2	255)	
Image: Bit	Reports	EXEC xp logevent 999999, @msg, ERROR		
Image: Book and American Image: Book and Am	Rename	END CATCH:		
dbo.TmSp_BOM_IsFa		END		
I dbo.TmSp_ChooseCII	Delete			
dbo.TmSp_ChooseIN	Refresh	End executing Produmex Logex Addon code		
dbo.ImSp_ConvertGr Properties     dbo.TmSp CorrActReport				
dbo.TmSp_CorrActRepore     dbo.TmSp_CorrActReport				
dbo.TmSp_CorrActReport     dbo.TmSp CorrActReport				
m abo, map corracteport	_or_opiit			

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 @transaction\_type, @num\_of\_cols\_in\_key, 65 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.

#### 3.3.3. 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".

• È	Sto	ored Procedures		
+		System Stored Procedures		
+	-	dbo.PMX_SP_CreateSynonymsOfSourceDb		
+	-	dbo.PMX_SP_DeliveryDocumentSalesOrder		
+	-	dbo.PMX_SP_DeliveryDocumentSalesOrderS	scc	
+	-	dbo.PMX_SP_DropAllSynonyms		
+	<u>.</u>	dbo.PMX_SP_GoodsReceiptLabel		
+	-	dbo.PMX_SP_GoodsReceiptLabelSmall		
+	<u>.</u>	dbo.PMX_SP_ItemLabel		
+	<u>.</u>	dbo.PMX_SP_KPI_AvgTimePickingReport		
+	-	dbo.PMX_SP_KPI_NumDeliveriesPerDockRep	ort	
+	<u>.</u>	dbo.PMX_SP_KPI_PickItemTimeReport		
+	<u>.</u>			
+		dbo.PMX_SP_KPI_TimeManagmentReport		
+		dbo.PMX_SP_MasterSSCCLabel		
+		dbo.PMX_SP_PickListDocument		
+		dbo.PMX_SP_ProductionLabel		New Stored Procedure
+		dbo.PMX_SP_RecreateSynonymsOfSourceDI		
+		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_TransactionNotificationQueue		Policies •
Ð		dbo.PMX_SP_WarehouseMoveDocument Facets		Facets
			Start PowerShell	
•		tabase Triggers		start owersheit
+	- Reports			Reports •
•	Des Types			Rename
+ 🚞	Defaults			Delete
± 🛄	Plan Guides			
III Refresh			Refresh	
				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

표 📴 dbo.SBO_GetNextAutoKey	🗄 📴 dbo.SBO_GetNextAutoKey		
🛨 🧾 dbo.SBO_SP_PostTransacti	dbo.SBO_SP_PostTransactionNotice		
🕂 📃 dbo.SBO_SP_TransactionNr	otification		
🕀 🔄 dbo.TmSp_adding_To_	New Stored Procedure		
王 🔄 dbo.TmSp_AddSqlUser	Modify		
🕀 📴 dbo.TmSp_ArcCreateD	Execute Stored Procedure		
🕀 📴 dbo.TmSp_ArcCreateI	Execute Stored Procedure		
🛨 📴 dbo.TmSp_ArcIVIDBHe	Script Stored Procedure as		
	View Dependencies		
🕀 🔄 dbo.TmSp_ArcSaveArc			
H B dbo.TmSp_B1CFLDeple	Policies		
	Facets		
	Start PowerShell		
dbo.TmSp_ChooseCIN			
dbo.TmSp_ChooseINV	Reports •		
E dbo.TmSp_ConGrpLine	Rename		
dbo.TmSp_ConvertGr			
dbo.TmSp_CorrActRep	Delete		
dbo.TmSp_CorrActRep	Refresh		
dbo.TmSp_CorrActRep	Refresh		
dbo.TmSp_CorrActRep	Properties		
	do.TmSp_CreateIVIR_concentration		
dbo.TmSp_DAB002_Top5BP			

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").

**********************************
***********************************
Start executing Produmex SboNotification Queue code
F @error = 0 BEGIN
BEGIN TRY
- EXEC [PMX DEMO PMX debug].[dbo].[PMX SP TransactionNotificationQueue]
- @object type,
@transaction type,
Gnum of cols in key,
@list of key cols tab del,
@list of cols val tab del,
Gerror = Gerror 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
***********************************

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

The end result should look like this:

F" 🖷 🖾 🌉 🖏 🔳 을 (伊伊) 🕼 🖕 SQLQuery5.sql - P...MX\_debug (sa (61)) ----End executing Produmex Logex Addon code \* -Start executing Produmex SboNotification Queue code \*\*\*\*\*\* 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) 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 

After these modifications. Execute the SBO\_SP\_TransactionNotification stored procedure.

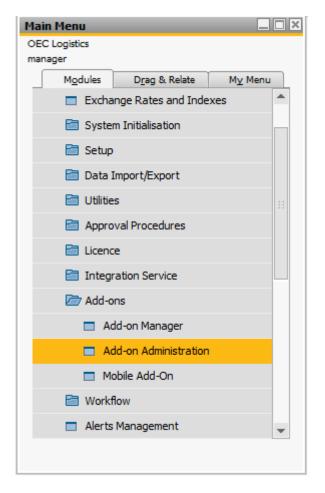
### 3.4. Registering the Produmex add-on

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 AddOnLoader6.ard" file that can be found in the installation file ".... \9\AddOnLoader"

	Company Protoconcor	Lico	r Preferenc	~	1												
	Company Preferences	<u>U</u> se	Freierend														
Avail	able Add-Ons							ned Add-(									
ID	Add-on Name	Version	Platform			Order	Add-or	n Name	Version	Default G	oup	Force I	install	Active	Platform		
5	EFM Format Definitio	900.059.00.	x64	-		1	Screen	Painter	900.059.0	Manual				✓	x64	-	
B	Outlook_Integration	900.059.00.	x64			2	Paymer	Add-or	Registra	ation			-				_
								Installati	on Informa	ation							
																	_
					Ξđ			_	istration Da			_					
					_			Inst	allation Pac	ckage							
					₽			Silent In	stallation Ir	nformation							
								Upg	rade Pack	age							
								Inst	allation Par	rams Packa	ge						
								Uni	nstallation P	Params Pac	kage						
								Upg	rade Parar	ms Package							
				Ŧ					an to Curre	ent Compa	v						
Reg	gister Add-on Rem	<u>ove Add-o</u>	n			Send	l Notifica		-	· art of Regist							
	K Cancel	-															

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

Add-	on Administration														_ ×	
	Company Preferences	<u>U</u> se	r Preferenc	es	1											
Ava	ilable Add-Ons					Compa	ny-Assig	ned Add-C	Ons							
ID	Add-on Name	Version	Platform			Order	Add-or	n Name	Version	Default Grou	q	Force Install	Active	Platform		
5	EFM Format Definition	900.059.00.	x64	-		1	Screen	Painter	900.059.0	Manual	٠		✓	x64	-	
8	Outlook_Integration	900.059.00.	x64			2	Paymer	Add-on	Registra	ation						
								Installatio	on Informa	ation						
								Regi	istration Da	ata File		Z:\ShareMap	_VM\Pro	dumex_PN	IG_4_1_1_3\9	Add
					∎			Inst	allation Pac	ckage		Z:\ShareMap	_VM\Pro	dumex_PN	IG_4_1_1_3\9	Add
					⊫			Silent In:	stallation Ir	nformation						
									rade Pack							
								Inst	allation Pa	rams Package						
								Unir	stallation P	Params Packa	ge					
								Upg	rade Parar	ms Package						
				Ŧ				Assic	in to Curre	ent Company						
Re	gister Add-on Ren	n <u>o</u> ve Add-o	n			Send	l Notifica			art of Registrat						
	OK Cancel	1								-						
	Cancer							ОК		Cancel						

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

Select the installation folder, then press next.

Frouumex Aud	OnLoader	×
Confirm in AddOnLoa	stallation settings for Produmex ader	
Installation folder:	C:\Program Files\SAP\SAP Business One\AddOns\PMX\P	rodumex Add

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

Produmex AddOnLoader		×
Installing		
C:\Program Files\SAP\SAP Business One\AddOns\PMX\Pro C:\Program Files\SAP\SAP Business One\AddOns\PMX\Pro No errors.	odumex AddOnLoader\Inte odumex AddOnLoader\log4 odumex AddOnLoader\log4 odumex AddOnLoader\Proc	rop.SAF Inet.dll Inet.xml dumex.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.

:	<u>C</u> ompany Preferences	User	r Preferenc	es										
Avail	able 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 🔷 🔻	Image: A start of the start	✓	x86	٠	
3	Datev	900.058.00.	x86											
4	EFM Format Definitio	900.059.00.	x86											
5	ELSTER	900.058.00.	x86											
7	Outlook_Integration	900.058.00.	x86											
Э	Payment	900.058.00.	x86		∎									1
13	Sap LocBe	3.7.2.37	x86											-
14	coresuite	4.00	x86		▶									
19	B1 Usability Package	2014.0.1.0	x86											1
				Ŧ									w	
Rec	ister Add-On Rem	n <u>o</u> ve Add-C				Good	Notification to Users							
Med	Ken	IONE ADD-C	20			Seud	Nouncation to Users							

- 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:

Last update: 2016/12/13 17:09 implementation:install\_pdmx\_suite http://wiki.produmex.name/doku.php?id=implementation:install\_pdmx\_suite

Produmex Add-On				×
Database up-to-date:	•	🐻 Update database	i Upload add-on	
Logex available:	•	🖧 Set DB credentials	🔩 Exit add-on	
				-

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.

i Produ	mex Add-On	×
Datab	🗊 AddOnManager - Set DB credentials 🛛 🔀 🔪 🗖	$\bigcirc$
Logex	Enter DB credentials Please enter user name and password for database access:	
	User name: sa	<u> </u>
	Password: *****	
	OK Cancel	
•		

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.

### **3.5. Configuration for clients**

### 3.5.1. Organizational structure

Organizational structure - Produmex Loge	x AddOn v4.1.0.9999			
Search	Code	PDMX		
	Name	Produmex		
Errodumex (PDMX)	General Defaults Exter	nsion parameter   Productio	on SSCC   Reports   Pr	int events Zone types Page s 💶 🕨
	Language	English (3)	•	
	Company logo URL			
	DB user name	sa		
	DB password			
	PMX License Server	localhost		
	Logistic carriers	ers on 1 storage location by	v warehouse	
	Move all logistic ca	arriers on reception		
	Quality status for logis	stic carriers Rel	eased (RELEASED)	•
	Select driver when lo		Goods receipt requi	res suppl. ref natically prints item labels
	Select trailer number			accary prints nonnabola
	Use inventory returna Set vat group returnal		Disable item selection	on in flows
	Pick list proposal allo     Do not lock stock on     Allow over picking     Count colli after picki	picking (Pick lists can be c	reated even if no stock is	s available)
	Ok Canc	el		
				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.

# 4. Performing a version update

## 4.1. 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 Inst Produmex Suite for SAP Business C									K	
Computer name: DEV_SAP9_F System assignment: SB0Demo_US General <b>SB0Demo_US</b> Directory C:\Program Files (x86)\F	6 • •	Target environment Production Test Assign to this computer								
Name	Required	Assign to this computer	Installed Version	Available Version	Instance Alias					
Produmex Tools	~	C:\Program Files (x86)\Produmex\Produmex Tools	4.1.1.3	4.1.1.4				Install	Uninstall	Config
Produmex License Server	7	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	SboConnectionString	C	8	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
۹										
Install all									Sav	e

In order to proceed with the upgrade, you have to accept the End User Licence Agreement.

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.

2016/12/21 19:11

Produmex Suite Installer									
Produmex Suite Ins Produmex Suite for SAP Business									
Computer name: DEV_SAP9 System assignment: SBODemo_ General SBODemo_US Directory C:\Program Files (x86)	JS +	Target environment Production Test Assign to this computer							
Name	Required	Install directory	Installed Version	Available Version	Instance Alias				
Produmex Tools		C:\Program Files (x86)\Produmex\Produmex Tools	4.1.1.3	4.1.1.4			Install	Uninstall	Confi
Produmex License Server	V	C:\Program Files (x86)\Produmex\Produmex License Server	4.1.1.3	4.1.1.4			Install	Uninstall	Confi
Produmex SB1 Notification Listene	r 🔽	C:\Program Files (x86)\Produmex\Produmex SB1 Notification Listener (SboConnectionString)	4.1.1.3	4.1.1.4	SboConnection String	00	Install	Uninstall	Confi
Produmex Fat Client	V	C:\Program Files (x86)\Produmex\Produmex Fat Client	4.1.1.3	4.1.1.4			Install	Uninstall	Confi
<[									
Install all								6	
								Sa	av

### 4.2. Configuration of the components.

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

Produmex Da	tabase Upgrade		
Connection:	SboConnectionString V	Database: TEST_PMX_60	
✓ Upgrade d	atabase	✓ Update localizations Star	t
✓ Create	User Defined Fields (slow on big DB's)	✔ Update add-on files	
Start UpdateDat	abaseTool		~
Alias=SboConr	nectionString		
CompanyDB=1	TEST_PMX_60 ExtraDB=PMX_TEST_PMX_	60	
Update indices Table 119/119 Add views Extra DB Add system pro Recreate syno Add functions Update SP Add user queries Update language Execute scripts Update script flo Compile all workd The database is 2016.10.03. 15:4	nyms and procedures es		
			v

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.

2016/12/21 19:11

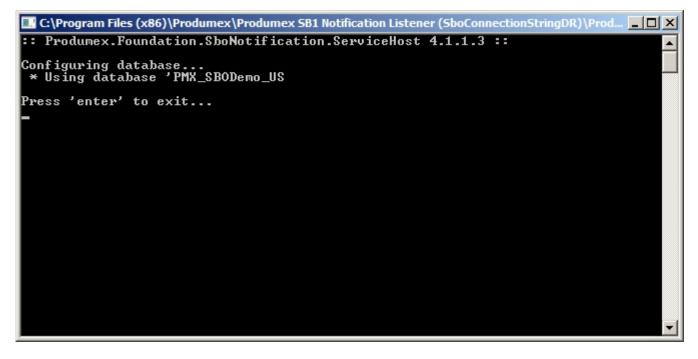
41/43

S Add0	nUploaderF					
Compan	y 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 point 3.3., 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).

<sup>-</sup> http://wiki.produmex.name/

## 4.3. Install the new AddOnLoader

In general for an upgrade of Produmex it is not needed to install a new version of the add-on loader.

But in certain cases this is needed:

- The SAP version has been upgraded
- When upgrading Produmex for a new major release
  - Example: When upgrading from PDMX 5.X to PDMX 6.X, the new add-on loader needs to be installed.

It is possible to have both add-on loader versions installed on one server.

For more information see: 3.4. Registering the Produmex add-on

# 5. Check the link between the SAP database and the PMX database

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;

QLQ	uery1.sql - P	.EMO_FOO	D (sa (65))*	×							
	1 seled	t * from	PMX_EXDB								
.00 %	<b>-</b> <										
		-									
🔠 Results 🔂 Messages											
	InternalKey	Canceled	UserSign	CreateDate	CreateTime	UpdateDate	UpdateTime	Version	ExtraDb		
1	1	N	1	2014-03-17 00:00:00.000	1346	2016-01-26 00:00:00.000	1450	5	PMX_SBO_DEMO_FOOD		
										-	

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
    GO
3
4 ⊡DECLARE @RC int
5
   DECLARE @sourceDb sysname
6
7
    -- TODO: Set parameter values here.
8
9 EXECUTE @RC = [dbo].[PMX_SP_RecreateSynonymsOfSourceDb]
10
       @SAP_DATABASE
11
    GO
12
13
14
```

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