# **3.4.1. Enable the standard PMX stored procedure**

The following sections describe the process of enabling the standard PMX stored procedure with Microsoft SQL (section 3.4.1.1) and SAP HANA (section 3.4.1.2).

### 3.4.1.1. 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 also need to adapt the stored procedure "SBO\_SP\_TransactionNotification".

1. Open SQL Server Management Studio and connect to your database server.

2. Expand the Databases folder and locate the database to which you want to apply the Produmex Add-on.

3. Open this database directory and open the "Programmability\Stored Procedures" subdirectory.

4. Locate the "dbo.PMX\_SP\_TransactionNotification" stored procedure, right-click it and select "Modify".



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

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update: 2021/06/24 implementation:wms:install\_standardstoredprocedure https://wiki.produmex.name/doku.php?id=implementation:wms:install\_standardstoredprocedure 2021/06/24

8113]
8114Following code must be added to the stored procedure SBO_SP_TransactionNotification
8115to execute the PMX stored procedure:
8116
8117
8118Start executing Produmex Logex Addon code
8119
8120BEGIN TRY
8121 EXEC [dbo].[PMX_SP_TransactionNotification]
8122 @object_type,
8123 @transaction_type,
8124 @num_of_cols_in_key,
8125 @list_of_key_cols_tab_del,
8126 @list_of_cols_val_tab_del,
8127 @error = @error OUTPUT,
8128 @error_message = @error_message OUTPUT
8129END TRY
8130BEGIN CATCH
8131 SET @error = ERROR_NUMBER()
8132 SET @error_message = ERROR_MESSAGE()
8133 DECLARE @msg as NVARCHAR(255)
8134 SET @msg = SUBSTRING('PMX_SP: sql error ' + CAST(ERROR_NUMBER() AS NVARCHAR) + ' : ' + ERROR_MESSAGE()
8135 + ISNULL( ' line ' + CAST(ERROR_LINE() AS NVARCHAR), '' ) + ISNULL( ' in ' + ERROR_PROCEDURE(), '' ),1,255
8136 EXEC xp_logevent 999999, @msg, ERROR
8137END CATCH;
8138
8139End executing Produmex Logex Addon code
8140 L********************************

6. Copy the "Produmex Logex Addon Code".

Now paste the code into the "dbo.SBO\_SP\_TransactionNotification" stored procedure as follows.

7. Locate the "dbo.SBO\_SP\_TransactionNotification" stored procedure, right-click it and selectModify.

🗄 🔤 apoimsp_variableupdate	_00QK				
	dbo. TmSp_VatSumCalc				
dbo.PMX_SP_OECTransaction dbo.PMX_SP_OECTCTransaction dbo.PMX_SP_OECTCT dbo.	dbo.PMX SP OECTransactionNotification				
dbo.PMX_SP_TransactionNo	dbo.PMX_SP_TransactionNotification				
🛨 🔜 dbo.SBO_GetNextAutoKey	dbo.SBO_GetNextAutoKey				
🕀 🗾 dbo.SBO_SP_PostTransaction	dbo.SBO_SP_PostTransactionNotice				
🛨 📃 dbo.SBO_SP_TransactionNr	dbo.SBO_SP_TransactionNotification				
🕀 🔄 dbo.TmSp_adding_To	New Stored Procedure				
🛨 🔄 dbo.TmSp_AddSqlUser	Modify				
🕀 🔄 dbo.TmSp_ArcCreateD					
🕀 🔄 dbo.TmSp_ArcCreateI	Execute Stored Procedure				
🕀 🛃 dbo.TmSp_ArcIVIDBHe	Script Stored Procedure as				
	View Dependencies				
🕀 🛃 dbo.TmSp_ArcSaveArc					
🕀 📴 dbo.TmSp_B1CFLDepl	Policies •				
🕀 📴 dbo.TmSp_B1CFLGetD	Eacota				
🕀 📴 dbo.TmSp_BOM_IsFat					
🕀 📴 dbo.TmSp_BOM_IsFat	Start PowerShell				
🕀 📃 dbo.TmSp_ChooseCIN					
🕀 📃 dbo.TmSp_ChooseINV	Reports •				
🕀 📴 dbo.TmSp_ConGrpLine					
🛨 📴 dbo.TmSp_ConvertGrp	Rename				
Image: Book Strain Book Str	Delete				
🛨 📃 dbo.TmSp_CorrActRep					
Image: Book State Sta	Refresh				
Image:	Properties				
🕀 🔄 dbo.TmSp_CreateIVIR					
Image: Book State Sta	🗄 📑 dbo.TmSp_DAB002_Top5BPFutureRemitByAgeDa				
End dbo.TmSp_DAB002_Top5BPOverdue90PDayByAc					

8. 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".

9. Uncomment the SP by clicking on the Uncomment button in SQL Management Studio.

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SQLQue	ry4.sql5_41 (sa (63))* SQLQuery3.sql5_41 (sa (61)) SQLQuery2.sql5_41 (sa (59))* SQLQuery1.sql5_41 (sa (55))	-				
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						
26						
27						
28						
29	***********************************					
30	Start executing Produmex Logex Addon code					
31						
32	BEGIN TRY					
33	EXEC [dbo].[PMX_SP_TransactionNotification]					
34	<pre>@object_type,</pre>					
35	<pre>@transaction_type,</pre>					
36	@num of cols in key,					
37	<pre>@list_of_key_cols_tab_del,</pre>					
38	<pre>@list_of_cols_val_tab_del,</pre>					
39	<pre>@error = @error OUTPUT,</pre>					
40	- @error_message = @error_message OUTFUT					
41	END TRY					
42	BEGIN CATCH					
43	SET @error = ERROR_NUMBER()					
44	SET @error_message = ERROR_MESSAGE()					
45	DECLARE @msg as NVARCHAR(255)					
46	A SET @msg = SUBSTRING('EMX_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;					
50						
51	End executing Frodumex Logex Addon code					
52						
53						
54						
55	Select the return values					
56	Select gerror, gerror_message					
5/						
58						
59						

10. Execute the SBO\_SP\_TransactionNotification stored procedure.

Continue with section 3.4.2. Enable a custom stored procedure.

#### 3.4.1.2. 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"

1. Open the SAP HANA Studio and connect to your SAP HANA server.

2. Expand the "Catalog" folder and locate the schema to which you want to apply the Produmex Addon.

3. Right-click on this schema and select "SQL Console" to open a new SQL console.

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👂 🗁 Colum		New Table		
b 🗁 Function b 🗁 Indexes	×	Delete	Delete	
⊿ 🗁 Proced ⊳ 🗁 Tab	8	Refresh	F5	
TA 🛐	2	Import		
оті Парія 🔁	⊿	Export		
TI 🛐	SQL	SQL Console		
ITA 🛐	ø	Find Table		
ATΓ ΔΤΓ		Show Table Distribution		
ATP_A6_NORM_OILM				

Keep this SQL console open during the whole process.

4. Expand the schema directory and open the "Procedures" subdirectory.

5. Locate the "SBO\_SP\_TRANSACTIONNOTIFICATION" stored procedure, right-click it and select "Open Definition".

🞼 SBO_GETNEXTAUTOKEY			
SBO_SP_POSTTRANSACTIONNOTICE			
📑 SP_PROCE		Open Definition	
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📑 TMSP_ARC	×	Delete	Delete
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📑 TMSP_ARC	<u> </u>	Refresh	FD
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📑 TMSP_BON		Open with SAP HANA Stored Procedure Viewer	
🔣 TMSP_CHOUSECIN4CURRECTION			

6. Open its content by opening the *Create Statement* tab:

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🕵 HDB - SBODEMOUS.SBO_SP_TRANSACTIO	DNNOTIFICATION 🔀	- 8
HDB (SYSTEM) 10.45.74.43 00		Ba 🕹 🔅
Procedure Name:		Schema:
\$BO_SP_TRANSACTIONNOTIFICATION		SBODEMOUS
Parameters Create Statement	SS START	
<pre>⊖ CREATE PROCEDURE SB0_SP_Transac (</pre>	ctionNotification ), SBO Object Type 1), [A]dd, [U]pdate, [D]elete, [C]ance 1 nvarchar(255), 1 nvarchar(255) ult (0 for no error) Error string to be displayed	L, C[L]ose
error := 0; error_message := N'Ok'; ADD YOUR CODE HERE		
Select the return values select :error, :error_message   end;	FROM dummy;	
		*

7. Copy the content into the SQL console.

8. Locate the "PMX\_SP\_TransactionNotification" stored procedure, right-click it and select "Open Definition".



9. 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).

#### ×

10. Copy the "Produmex Logex Addon Code".

11. 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".

12. Uncomment the copied code by removing the leading '-' from each line.

13. Add the following line on the top of your SQL console: DROP PROCEDURE SB0\_SP\_TransactionNotification;

The SQL console should look like this:

## ×

14. Execute the code in your SQL console to modify the SBO\_SP\_TRANSACTIONNOTIFICATION procedure.

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