How to customize the Produmex Manufacturing Reports in MSSQL

Produmex Manufacturing offers and easy solution for report customization with Crystal Reports. Please note: This document describes the custom report creation procedure in MSSQL.

In our example we will include the foreign name of the operation on the Job Requirements report under the operation name.

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Open the report. On the 'Select Report Layout' form select a base layout on the grid then click on the 'New' button to create a new layout.

In the example we will open the Job Requirements Report.

Select Report Layout		
Report JobReq Preview before print 🔽	Language In_Englis	h 🔻
Report Layout	File	Printer Name
Job Requirements (base) (default)	RL_JobRequirements	A
New Rename Delete Edit	Layout Set Default P	Print Cancel

Add the 'Layout Name' and the 'Filename' then click on the 'Add' button. The base layout will be copied to the new layout.

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Based on layout name	Job Requirements (base)	
Based on filename	RL_JobRequirements	
Layout Name		
Filename		
Printer Name		

After adding the custom layout, select it on the grid. Click on the 'Edit Layout' button and open the layout with Crystal Reports.

How o	do you want to open this file?	
٨	Adobe Acrobat Reader DC	^
7	Crystal Reports	
Ø	Internet Explorer	
Ø	Microsoft Visual Studio Version Selector	
	Notepad	
6	Office XML Handler	~

After the layout has been opened in Crystal Reports, setup the ODBC connection between the report and the database. On the Field Explorer right click on 'Database Fields' and select 'Database Expert' option.

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Field Explorer	# × CU_JobRequirement	ts ×			
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BXPPS	Set Datasource <u>L</u> ocation	: RJ_JobRe	q_Header.rpt		
fx Formula Fi	Log On or Off Ser <u>v</u> er	Report Nan	ne:] Job Request]	Created with BxPPS for SAP Business One	
	Show Field Type	. /////////////////////////////////////	///////////////////////////////////////		
Group Nar	Sort <u>T</u> ables Alphabetically	Operation:	Name	Operation [D: Code]	
I T Special Fie	Re <u>f</u> resh				
	Group Header #2b: BXPPSPRODORDEROF		Begin Date&Time @OperBegDt&Tm Before Time; @OperBefTm&Uom After Time; @OperAftTm&Uom	Production Order, @ProdOrder&Line Product Code; @ProdCode&Name	
	Details	{@ResourceT	^{ype} @WcCode&Name	Allocation ID: Çode]	
		OperationC	odej	peration CodeScanned	

On the opening 'Database Expert' form open the 'Create New Connection' folder and click on the 'OLE DB' folder. On the OLE DB form chose '*Microsoft OLE DB Provider for SQL Server*' as the Provider. Click on 'Next' to proceed.

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On the next screen add the connection information. Select the local server as the 'Server' and enter the User ID and Password. Then select the database from the dropdown menu and click on 'Next'.

Please note: It is possible the use the custom report in a different company as well, because the Produmex Manufacturing add-on will always set the Server and the Database name to the currently connected Company database.

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On the next screen click on 'Finish'.

Name	Value		
Locale Identifier	1033		
Connect Timeout	15		
General Timeout	0		
OLE DB Services	-5		
Current Language			
Auto Translate	-1		
Initial File Name			
Use Encryption for Data	0		
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Add Property	Edit Value	Remove Property	,

The database is added to the OLE DB folder.

<u>۹</u> [Database Expert	
Data Links Data Links Browse the data source for the (Note: to edit the alias for a table, sele press the F2 key) Available Data Sources: OLE DB (ADO) Make New Connection PMX_BUDTOSH2 Add Command PMX_BUDTOSH2 Add Command BXManufacturing Demoty Budge Demoty	Database Expert The tables you want to add. elect the table in the 'Selected Tables' tree and click on it or Selected Tables: Selected Tables: Selected Tables: Selected Tables: Selected Tables: Selected Tables: Selected Tables: Selected Tables: Selected Tables: Selected Tables: S	
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Then select the database table that contains the field you would like to add and click on the right arrow to add it to the 'Selected Tables'.

In our example we would like to add the foreign name of the operation to the report. In order to do this, we have to add the OITM table (Item Master Data).

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Data Links Browse the (Note: to edit t press the F2 k Available Data	data source for t he alias for a table, s ey) a Sources: OIPO OIQI OIQI OIQR OIRC OIRC OIRD OIRT OISL OISL OISR OIST OISW	he tables yo select the table	u want to add. in the 'Selected Tables' tree and click on it or Selected Tables: BxPPSDataSetModel BxPPSRESALLOCATION WOR1
٢		> ``	< > OK Cancel Help

Define the file path to the BX PPS Data Set Model by clicking on the 'Links' tab. Browse the BxPPSDataSetModel.xsd file after clicking on the '...' button on the 'ADO.NET form. Then click on 'Finish'.

The default file path is: C:\Program Files\SAP\SAP Business One\AddOns\BXP\Produmex Manufacturing\BxPPSDataSetModel.xsd

		ADO.NET (XML)
Data Links Browse the data	Connection Please enter connection	infomation
press the F2 key) Available Data So	File Path :	PPS\BxPPSDataSets\BxPPSDataSetModel.xsd
	Class Name:	×
	Use DataSet from Class:	
<		
	< Back Next 3	> Finish Cancel Help

On the Links tab the links between the table records are shown. These links are created automatically and might not be correct for the customization goals. Correct the links by deleting the wrong ones and creating new links. Click on the 'OK' button.

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Ak together the tables you added to the report. Iking is needed to match records of one table with corresponding records of another table.	Auto-Arrange Auto-Link Auto-Link By Name By Key Link Uink Clear Links Delete Link Link Options Index Legend
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In the example the 'Item Name' field form the OITM table was linked automatically to the WOR1 table. First we delete this link then we create the new one by connecting the Operation Code from the BXPPSPRODORDEROPER table to the Item Code on the OITM table.

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ItemName ItemNo LineNumber BXPPSPRODORDEROPER MainProductName MaxParallelJobQuantir MaxParallelJobQuantir Message MinJobQuantity OperationBreak OperationDescription OperationDescription OperationText OverlappingTime PictureName	Data Links Link together the tables you added to Linking is needed to match records of one t WOR1	Database Expert to the report. able with corresponding records of another table. Auto-Arrange	
	ItemName ItemNo LineNumber V C > BXPPSRESALLOCATION HeaderCode NextCode ProductionOrderOper V C >	OITM ItemCode ItemName FrgnName MainProductName MaxParallelJobQuantir MaxParallelOperation: Message MinJobQuantity OperationDescription OperationName OperationText OverlappingTime PictureName	

A database warning will pop up. Click on the 'OK' button to acknowledge the message.



Select the field to add to the report on the 'Field Explorer' module and simply drag and drop it to the report.

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ItemName	Group Header #1:			///////////////////////////////////////
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After the formatting is ready, save the report. Make sure that you do not save it under SAP\SAP Business One\AddOns\ because in that case the file will be overwritten by a new Produmex add-on installation. It is also recommended to save the custom report to a central location where every client will be able to see it.

When you print the custom report created in the example, the foreign name will be added under the operation name.	
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