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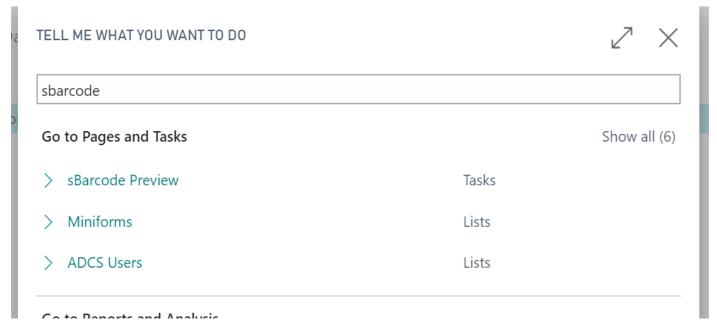
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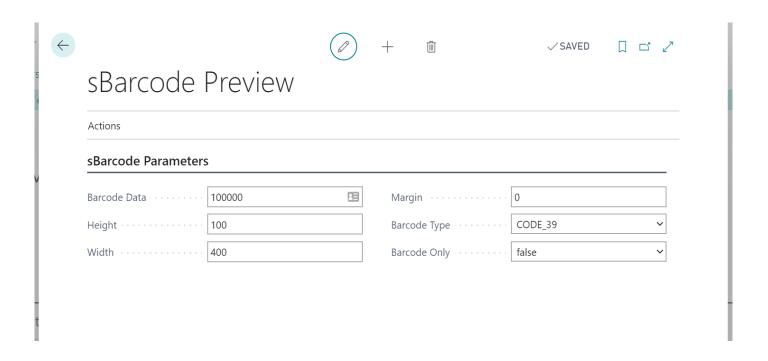
I. Preview generated barcodes

sBarcode includes a small application that allows you to preview the barcode generation.

1. From the seach bar enter "sBarcode Preview"

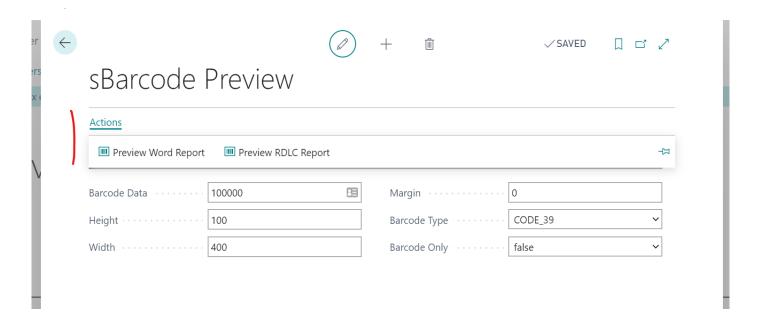


2. In the card you can define various parameters of the barcode and preview the results. For now, we just take the default values given.





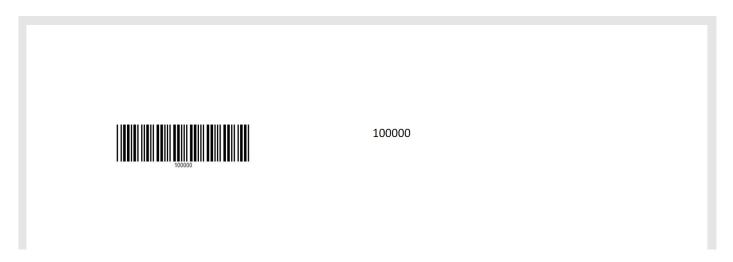
3. From the Actions menu select "Preview Word Report"



4. The PDF file will now download



5. A preview report is generated illustrating the barcode





II. How to integrate in Word Report

The guide will provide an overview for integrating the barcode solution into your Word Reports.

A. Prepare the AL Code

- 1. Ensure that the IBODigital sBarcode extension is installed from <u>Microsoft AppSource</u>. (https://appsource.microsoft.com/en-us/marketplace/apps?product=dynamics-365-business-central)
- 2. Prerequisite for developer is that you need to know how to configure app.json and launch.json.

Example launch.json



Example app.json

```
{
 "appId": "3a166617-0b1b-4aa6-a151-6f9820c6dcbd",
 "publisher": "IBO Digital",
  "name": "Barcode Report",
  "version": "1.2.15.4",
  "dependencies": [
      "appId": "3a166617-0a1c-4cc6-a151-6f9810c6dcbd",
      "publisher": "IBODigital GmbH",
      "name": "sBarcode",
      "version": "1.3.15.4"
  }
  },
  "idRanges": [
      "from": 50900,
     "to": 50901
  1
```

Note: You might need to change version in app.json as per the recent installed version.

Note: You may need to adjust the ID ranges of the application depending upon your current install environment.

3. Once all basic configuration is done & you need to download the latest symbols (View ⇒Command Pallet ⇒ AL: Download Symbols), delete the "HelloWorld.al" file and create a Microsoft Word report file "WordReportExample.al" as shown below.

In this example we are create a report based upon the Sales Header dataset.



```
report 50901 WordReportExample
    UsageCategory = Administration;
    ApplicationArea = All;
    DefaultLayout = Word;
    WordLayout = './Templates/WordReportExample.docx';
    dataset
        dataitem("Sales Header"; "Sales Header")
            DataItemTableView = SORTING("Document Type", "No.")
                                WHERE ("Document Type" = CONST ("Order"));
            RequestFilterHeading = 'Sales Order';
            RequestFilterFields = "No.";
            Column("No"; "No.") { }
            column(Barcode; TempBlob.Blob) { }
            trigger OnAfterGetRecord()
            begin
                //Parameter Description Barcode.GenerateBarcode(-
Sales Order No, BarcodeFormat, Barcode Height, Barcode Width, Barcode
Margin, IsPureBarcode, TempBlob);
                Barcode.GenerateBarcode("-
No.", 'CODE 39', '100', '400', '0', 'true', TempBlob1);
                TempBlob1.CreateInStream(InStreamRep);
                TempBlob.Blob.CreateOutStream(outStreamRep);
                CopyStream(outStreamRep, InStreamRep)
            end;
        }
    var
        Barcode: Codeunit "IBODigital sBarcode";
        InStreamRep: InStream;
        outStreamRep: OutStream;
        TempBlob: Record TempBlob temporary;
        TempBlob1: Codeunit "Temp Blob";
}
```

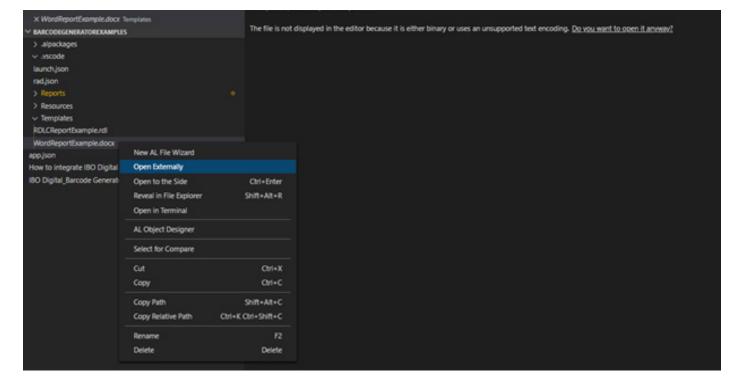
4. Publish the report by going to View ⇒ Command Pallet ⇒ AL Publish



5. Once the report is published, it will automatically generate the " ${\tt WordReportExample.docx"}$ under Templates folder

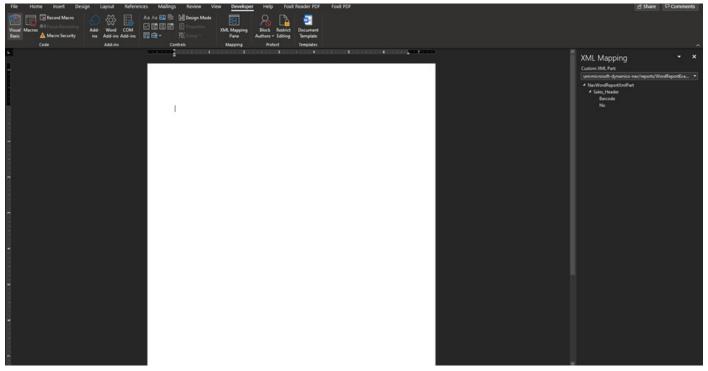
```
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```

6. Open a "WordReportExample.docx" file in Microsoft Word (right click "Open Externally")



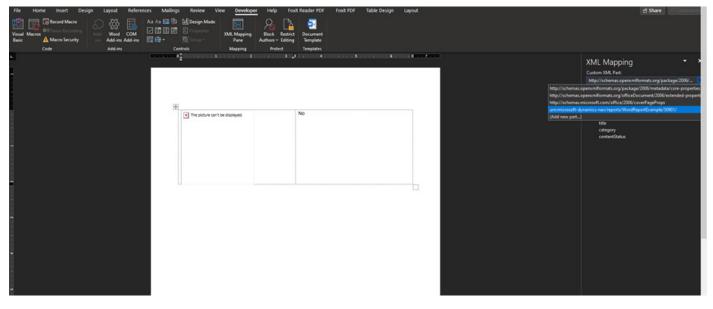


7. Open XML Mapping Pane from Developer's tab. If the Developer tab is not shown, you can enable it by selecting File \Rightarrow Options \Rightarrow Customize Ribbion \Rightarrow enable the Developer tab in the right list box.



- 8. Add the fields in the report by selecting the mapping part urn:microsoft-mapping-part/reports/WordReportExample. As we are creating a Sales Report the Barcode and Number options appear under Sales_Header.
- 9. Right click on the Barcode. Select "Insert Content Control"

 □ "Picture"
- 10. For the Number select "Insert Content Control" ⇒ Plain Text
- 11. Once done save and close the "WordReportExample.docx" file



7. Publish the report to Microsoft Dynamics 365 Business Central: View

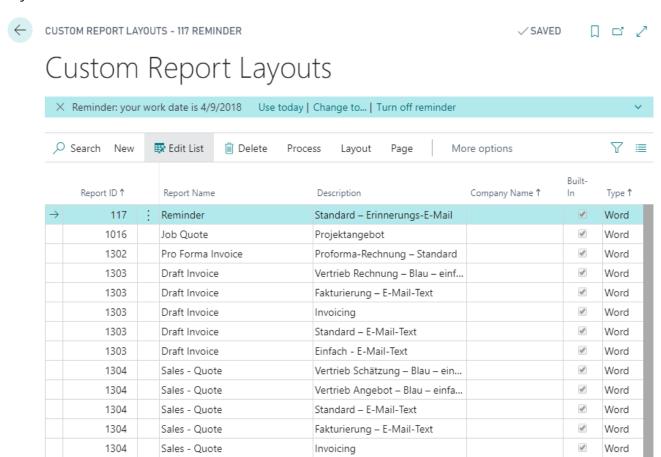
→ Command Pallet

→ AL: Publish

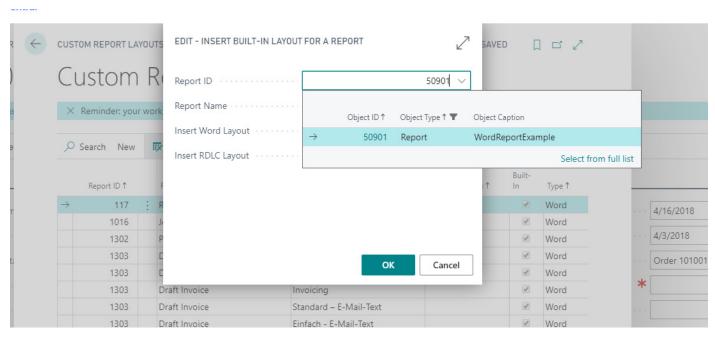


B. Using the Word Report in Microsoft Dynamics 365 Business Central

1. To view the report Open Business Central Web client and create new "Custom Report Layout"



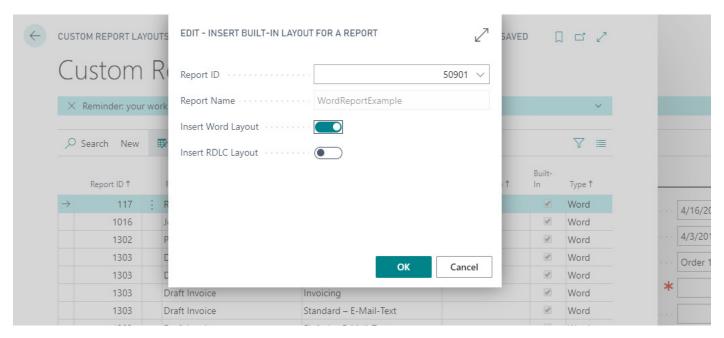
2. Select your published report by entering the Report ID: 50901



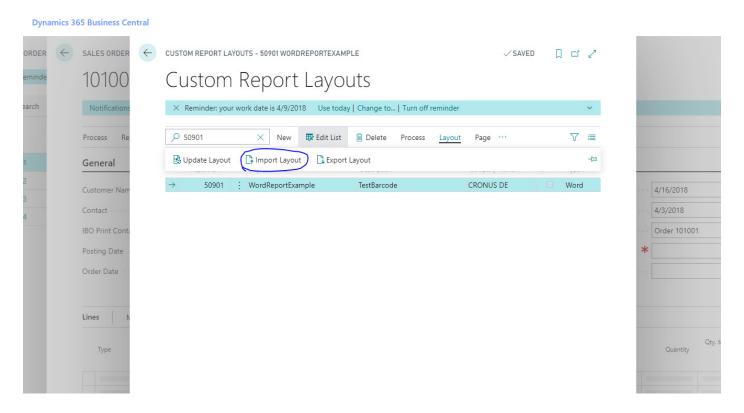
CALLULATION F MARIETALIA



3. Select "Insert Word Layout" option

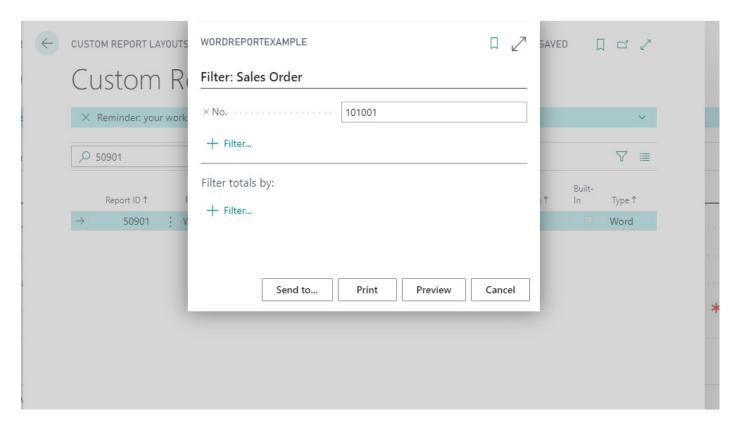


4. Import your word template. From the menu select: Layout ⇒ Import Layout. Select the word template which you have created inside your AL project.





5. Run the report. From menu select: Process ⇒ Run Report.



6. Click on the "Preview" button and you will see your report.



101001



C. Not working for you?

Be sure to check the latest documentation and examples from our repository. https://github.com/ibodigital/barcode/archive/master.zip or contact us at:

https://support.ibodigital.com



III. How to integrate in RDLC Report

The guide will provide an overview for integrating the barcode solution into your RDLC Reports.

A. Prepare the AL Code

- 1. Ensure that the IBODigital sBarcode extension is installed from <u>Microsoft AppSource</u>. (https://appsource.microsoft.com/en-us/marketplace/apps?product=dynamics-365-business-central)
- 2. Prerequisite for developer is that you need to know how to configure app.json and launch.json.

Example launch.json



Example app.json

```
{
 "appId": "3a166617-0b1b-4aa6-a151-6f9820c6dcbd",
 "publisher": "IBO Digital",
 "name": "Barcode Report",
  "version": "1.2.15.4",
  "dependencies": [
      "appId": "3a166617-0a1c-4cc6-a151-6f9810c6dcbd",
      "publisher": "IBODigital GmbH",
      "name": "sBarcode",
      "version": "1.3.15.4"
   }
  },
  "idRanges": [
      "from": 50900,
     "to": 50901
 1
```

Note: You might need to change version in app.json as per the recent installed version.

Note: You may need to adjust the ID ranges of the application depending upon your current install environment.

3. Once all basic configuration is done and you need to download the latest symbols (View ⇒ Command Pallet ⇒ AL: Download Symbols), delete the "HelloWorld.al" file and create a RDLC report as shown below.



```
report 50902 RDLReportExample
    UsageCategory = Administration;
    ApplicationArea = All;
    DefaultLayout = RDLC;
    RDLCLayout = './Templates/RDLCReportExample.rdl';
    dataset
        dataitem("Sales Header"; "Sales Header")
            DataItemTableView = SORTING("Document Type", "No.")
                                WHERE("Document Type" = CONST("Order"));
            RequestFilterHeading = 'Sales Order';
            RequestFilterFields = "No.";
            Column("No"; "No.") { }
            column(Barcode; TempBlob.Blob) { }
            trigger OnAfterGetRecord()
            begin
                //
                                  Barcode.GenerateBarcode("No.", var BarcodeFor-
mat, var_Barcode_Height, var_Barcode_Width, var_Barcode_Margin, var_IsPureBar-
code, TempBlob);
                Barcode.GenerateBarcode("-
No.", 'CODE_39', '100', '400', '0', 'true', TempBlob1);
                TempBlob1.CreateInStream(InStreamRep);
                TempBlob.Blob.CreateOutStream(outStreamRep);
                CopyStream(outStreamRep, InStreamRep)
            end;
        }
    var
       Barcode: Codeunit "IBODigital sBarcode";
        InStreamRep: InStream;
        outStreamRep: OutStream;
        TempBlob: Record TempBlob temporary;
        TempBlob1: Codeunit "Temp Blob";
}
```

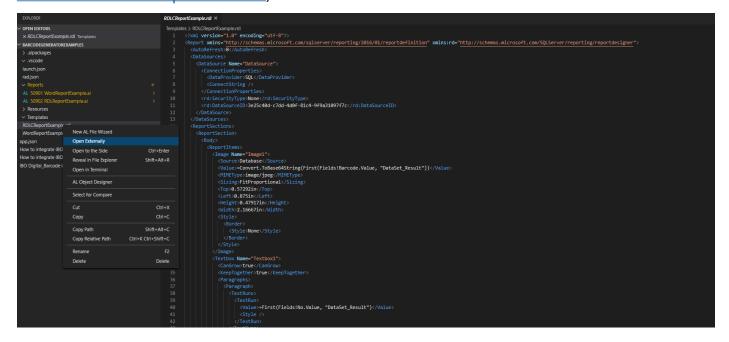
4. Publish the report using by going to command: View ⇒ Command Pallet ⇒ AL: Publish



5. Once the report is published, it will automatically generate the "RDLCReportExample.rdl" file under the Templates folder

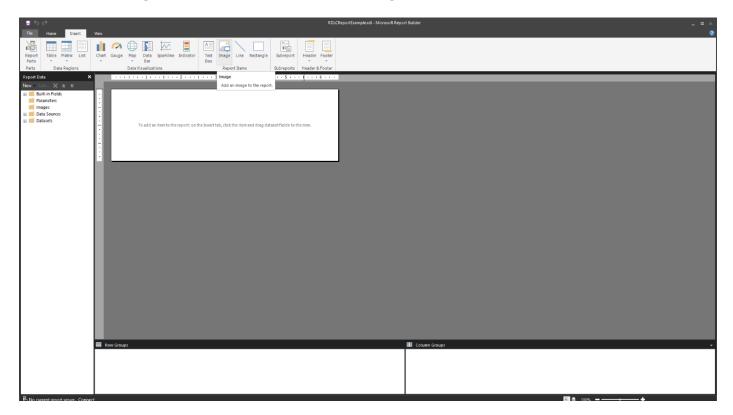
```
| Comparison | Com
```

6. Open a "RDLCReportExample.rdl" file in the Report Builder. Right click and select "Open Externally". The <u>Microsoft Report Builder</u> (https://www.microsoft.com/en-us/download/confirmation.aspx?id=53613) needs to be installed.

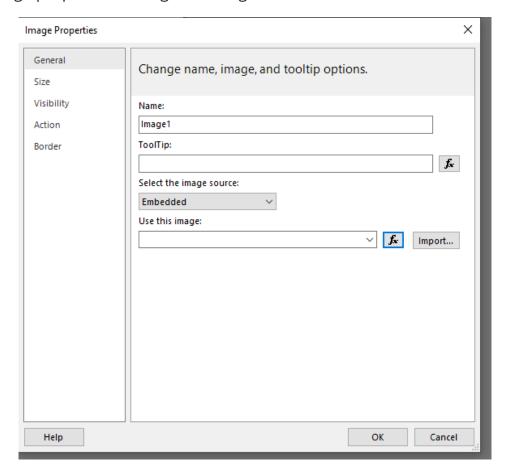




7. Click on "Image" from the menu to insert "Image" field.

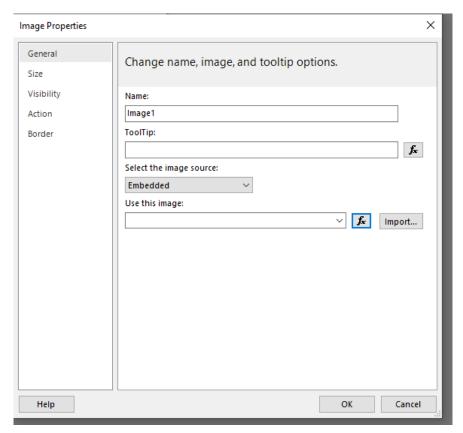


8. In the "Image properties" change the image source to: "Database"



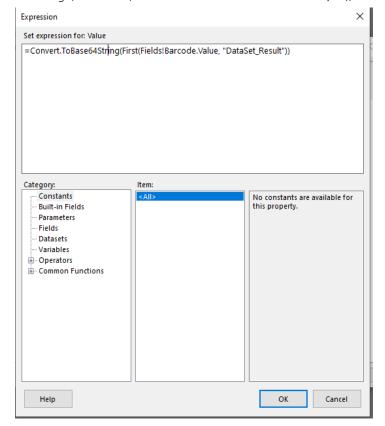


9. Set the MIME type as "image/jpeg"



10. In "Use this field" click the expression button and add following formula then click on OK.

=Convert.ToBase64String(First(Fields!Barcode.Value, "DataSet Result"))

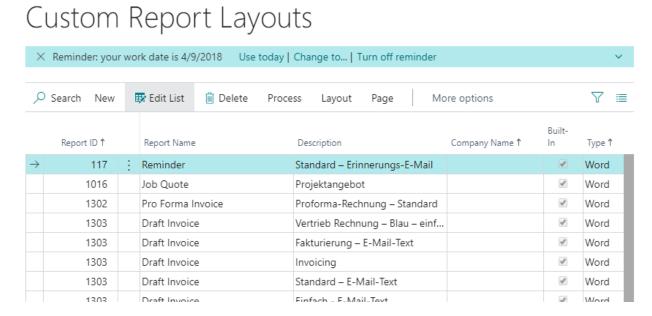




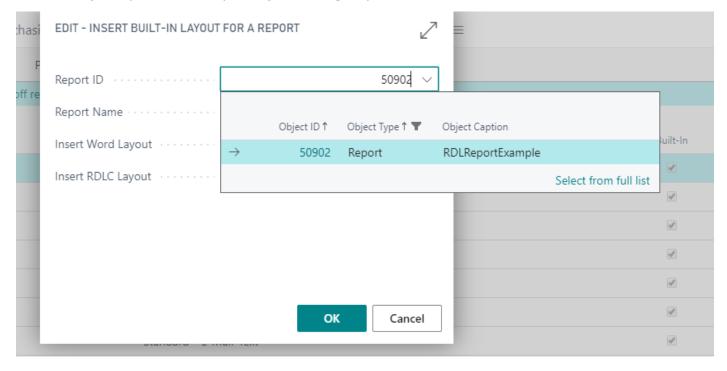
- 11. Save and close the report
- 12. Publish extension in Microsoft Dynamics 365 Business Central: View ⇒ Command Pallet ⇒ AL: Publish

B. Using the RDLC Report in Microsoft Dynamics 365 Business Central

1. To test the report open Microsoft Dynamics 365 Business Central web client and create a new "Custom Report Layout"

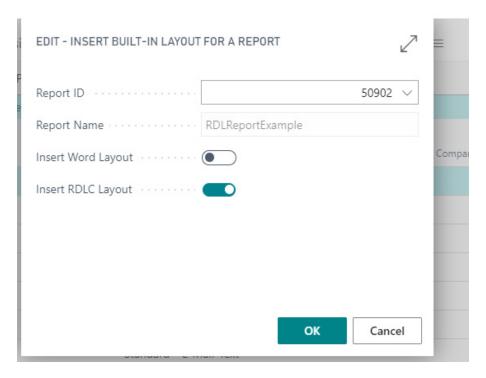


2. Select your published report by entering Report ID: 50902

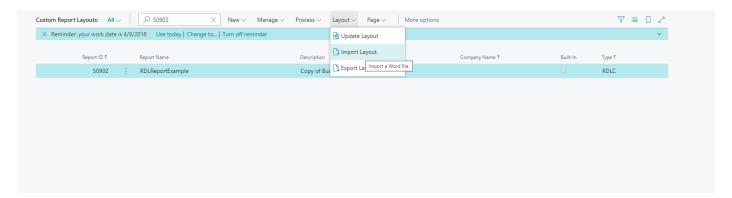




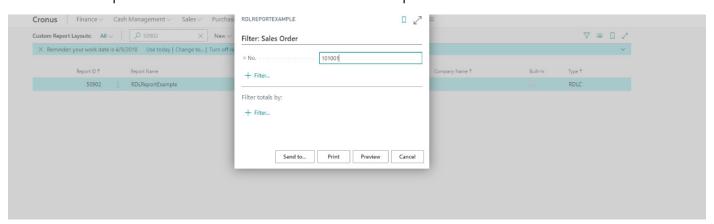
3. Select "Insert RDLC Layout" option



4. Import your updated RDL template. From the menu select: Layout ⇒ Import Layout and select the RDLC report which is part of your AL project



5. Run the report from the menu: Process ⇒ Run Report and enter as filter in No. "10100"





6. Click on the "Preview" button to view your report



C. Not working for you?

Be sure to check the latest documentation and examples from our repository. https://github.com/ibodigital/barcode/archive/master.zip or contact us at:

https://support.ibodigital.com



Appendix I: Supported Barcode Types

The following tables lists the current supported barcode types by the sBarcode extension. More information about the types of barcode can be found over at Wikipedia https://en.wikipedia.org/wiki/Barcode.

Barcode Format	Parameter Value
CODE 39	CODE_39
CODE 93	CODE_93
CODE 128	CODE_128
AZTEC	AZTEC
Codabar	CODABAR
Data Matrix	DATA_MATRIX
EAN-8	EAN_8
EAN-13	EAN_13
ITF	ITF
MaxiCode	MAXICODE
PDF 417	PDF_417
QR Code	QR_CODE
RSS-14	RSS_14
RSS-Expanded	RSS_EXPANDED
UPC-A	UPC_A
UPC-E	UPC_E
UPC/EAN Extension 2/5	UPC_EAN_EXTENSION

Note: The barcode data (input) must be valid according to the barcode format rules (barcode validator). Otherwise no barcode image will be returned.



Appendix II: Supported Parameters

Parameter Name	Description	Default Value
height	Specifies height of the barcode	100
width	Specifies width of the barcode	400
margin	Sets the margins for barcode image	0
purebarcode	If true, then only displays barcode image else displays barcode image with the barcode number	True
barcodeFormat	Barcode Type (refer to table in Appendix I)	CODE_39



Appendix III: Support

Download examples:

The latest example code and documentation can be downloaded from our GitHub repository https://github.com/ibodigital/barcode/archive/master.zip

Contact our support team:

Problems getting the sBarcode to work or any questions about our products or services, please contact our support team:

https://support.ibodigital.com



Contact



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