Barcode Generator User Guide

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Version

Date	Author	Version	Change
February 8, 2019	Insight Works	1.0	Initial Version

1   Version Information

To check the current version of the product navigate to Extension Management and scroll to the Barcode Generator card.

2   Generate a Barcode

You may generate a barcode based on any input you choose.

1. Search for "Barcode Generation" and select it
2. Choose a Barcode Format
    a. Data Matrix is a 2D barcode
    b. 3 of 9 is a 1D barcode
3. Enter the Barcode Content
4. Print or Preview your barcode

3   Sample Reports

Several sample reports are included by default.

- These may be modified in the "Report Layout Selection" page.
- They may also be set in any place that allows you to select a report to use that is relevant to the Parent Data Item. Doing so will include any modifications you have made in "Report Layout Selection."
- They may also be used by searching for them directly. Doing so will include any modifications you have made in "Report Layout Selection."

Name	ID	Parent DataItem	Description
Generic Item Barcode Label	23044801	Item	Prints Item information with an Item and Lot barcode
Generic Bin Label	23044802	Bin	Prints Bin information with a Bin barcode
Generic Location Label	23044803	Location	Prints Location information with a Location barcode

4   Custom Reports

This extension is also intended to enable adding barcodes to your own reports.

4.1   Retrieve Barcode Generation Symbols

1. Create an AL project in Visual Studio Code
2. Set the launch.json file to your Microsoft Dynamics 365 Business Central sandbox
   "name": "Microsoft cloud sandbox"
3. Include the Barcode Generation extension as a dependency in app.json

   ```
   {
       "appId": "62080fe0-d57f-4d4c-aed1-ac539db3a244",
       "name": "Barcode Generation",
       "publisher": "Insight Works",
       "version": "1.0.0.0"
   }
   ```
4. Press F1
5. Search and select "Download Symbols." At this time the Barcode Generation file should show up in the .alpackages folder
6. You now have access to the Barcode Generation procedures. These may be used in your own reports that can be deployed as a custom extension to your Microsoft Dynamics 365 Business Central environment.

4.2   Barcode Generation Procedures

The procedures are contained in Codeunit 23044800 - IWX Library - Barcode Gen. After referencing this codeunit in your reports you can use the barcode generation functions.

4.2.1   Data Matrix Generation

GenerateDataMatrixBarcode(var ptrecBarcode: Record TempBlob temporary; ptxtBarcode: Text[1024]; piBarcodeDotSize: Integer; piBarcodeMarginSize: Integer; piBarcodeImageSize: Integer)

- ptrecBarcode - Generated barcode will be an image and store in the Blob field
- ptxtBarcode - Barcode content to be generated
- piBarcodeDotSize - Barocde image dot size
- piBarcodeMarginSize - Barcode image margin size
- piBarcodeImageSize - Barcode image size

Name	ID
0	Auto
1	10x10
2	12x12
3	14x14
4	16x16

5	18x18
6	20x20
7	22x22
8	24x24
9	26x26
10	32x32
11	36x36
12	40x40
13	44x44
14	48x48
15	52x52
16	64x64
17	72x72
18	80x80
19	88x88
20	96x96
21	104x104
22	120x120
23	132x132
24	144x144
25	8x18
26	8x32
27	12x26
28	12x36
29	16x36
30	16x48

4.2.2   3 of 9 Barcode Generation

Generate39Barcode(var ptrecBarcode: Record TempBlob temporary; ptxtBarcode: Text[1024]; piWidth: Integer; piHeight: Integer)

- ptrecBarcode - Generated barcode will be an image and store in the Blob field
- ptxtBarcode - Barcode content to be generated
- piWidth - Barocde image width
- piHeight - Barcode image height