

Instructions for the SAXON extension

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1 Introduction

This page describes how to generate barcodes in [SVG format](#) within an XSLT stylesheet that is processed with the [SAXON XSLT Processor from Michael Kay](#).

2 Using the barcode extension for SAXON

This package contains an extension for [SAXON](#) for generating barcodes in SVG format.

To make the barcode extension available in your XSLT stylesheets, do the following:

- Add `barcode4j.jar` to the classpath.
- Add the following namespace declaration to the root element of your XSLT stylesheet: **`xmlns:barcode="http://barcode4j.krysalis.org/org.krysalis.barcode4j.saxon.BarcodeExtensionElementFactory"`**
- Add the barcode namespace prefix to the extension element prefixes: **`extension-element-prefixes="barcode"`**

Here's an example:

```
<xsl:stylesheet version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:fo="http://www.w3.org/1999/XSL/Format"
  xmlns:barcode=
    "http://barcode4j.krysalis.org/org.krysalis.barcode4j.saxon.BarcodeExtensionElementFactory"
  extension-element-prefixes="barcode">
```

To generate a barcode use simply use the "barcode" element in your template as indicated in the example:

```
<fo:block>
  <fo:instream-foreign-object>
    <barcode:barcode message="{msg}">
      <barcode:code128>
        <barcode:height>8mm</barcode:height>
      </barcode:code128>
    </barcode:barcode>
  </fo:instream-foreign-object>
</fo:block>
```

The XML syntax used within the barcode element is the [Barcode XML](#).