Standard FOP Extensions

$Revision: 489064 $

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By "extension", we mean any data that can be placed in the input XML document that is not addressed by the XSL-FO standard. By having a mechanism for supporting extensions, FOP is able to add features that are not covered in the specification.

The extensions documented here are included with FOP, and are automatically available to you. If you wish to add an extension of your own to FOP, please see the Developers' Extension Page.

> **Note:**
> All extensions required the correct use of an appropriate namespace in your input document.

1. SVG

Please see the SVG documentation for more details.

2. FO Extensions

2.1. Namespace

By convention, FO extensions in FOP use the "fox" namespace prefix. To use any of the FO extensions, add a namespace entry for `http://xml.apache.org/fop/extensions` to the root element:

```
<fo:root xmlns:fo="http://www.w3.org/1999/XSL/Format"
              xmlns:fox="http://xmlgraphics.apache.org/fop/extensions">
```

> **Note:**
> Currently, no extension elements are implemented in FOP Trunk which use the FOP extension namespace.

2.2. PDF Bookmarks

In previous versions of Apache FOP there was a `fox:outline` element which was used to create outlines in PDF files. The redesigned code makes use of the new bookmark feature defined in the latest XSL 1.1 working draft.

2.3. Anchors or Named Destinations

This extension element hasn't been reimplemented for the redesigned code, yet.

2.4. Table Continuation Label

This extension element hasn't been reimplemented for the redesigned code, yet.

2.5. fox:orphan-content-limit and fox:widow-content-limit

The two proprietary extension properties, fox:orphan-content-limit and fox:widow-content-limit, are used to improve the layout of list-blocks and tables. If you have a table with many entries, you don't want a single row to be left over on a page. You will want to make sure that at least two or three lines are kept together. The properties take an absolute length which specifies the area at the beginning (fox:widow-content-limit) or at the end (fox:orphan-content-limit) of a table or list-block. The properties are inherited and only have an effect on fo:table and fo:list-block. An example: fox:widow-content-limit="3 * 1.2em" would make sure the you'll have at least three lines (assuming line-height="1.2") together on a table or list-block.