# 4.9. Inserting Logos into Page Headers and Footers

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## Problem

You need to know how to insert a logo or graphic in your page header.

## Solution

This example solution will place logo on top right side of a single-sided document. Other placements are possible and will be shown in the *Discussion* section. The logo is at max 1 inch high to avoid conflicts with the body text area. The template for our solution is obtained from 'pagesetup.xsl' style sheet.

A logo on every page in your document will give your work a personal touch or a corporate identity. Furthermore it's a way to protect your hard work against simple duplication through a copier or a simple forwarding of parts of your document.

First of all you need to create a customization layer as described in the following steps. If you have a customization layer style sheet, you can skip the first step, otherwise follow the steps to create your customization layer:

1. Create a customization layer as shown in Section 2.3, "Writing Customization Layers" [        ].

2. Include the style sheet from Example 4.4, "Placing a Logo in the Right Page Header (`graphic-pageheader.xsl`)" [1] into your customization layer:

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0"
  xmlns:fo="http://www.w3.org/1999/XSL/Format"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:d="http://docbook.org/ns/docbook">
  <!-- ... -->
  <xsl:include href="graphic-pageheader.xsl"/>
  <!-- ... -->
</xsl:stylesheet>
```

3. Include the style sheet from Example 4.4, "Placing a Logo in the Right Page Header (`graphic-pageheader.xsl`)" [1] into your customization layer:

**Example 4.4. Placing a Logo in the Right Page Header (`graphic-pageheader.xsl`)**

```
 1 <?xml version="1.0" encoding="UTF-8"?>
   <xsl:stylesheet version="1.0"
     xmlns:fo="http://www.w3.org/1999/XSL/Format"
     xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
 5   xmlns:d="http://docbook.org/ns/docbook">

     <!-- Path to your logo file -->
       <xsl:param name="logo.src.path">logo/</xsl:param>        ❶
     <!-- Name of your logo file -->
10     <xsl:param name="header.image.filename">Opensource.svg</xsl:param>
       <!-- Header rule yes (1) / no (0) -->
       <xsl:param name="header.rule" select="0"/>

       <xsl:template name="header.content">                     ❷
15         <xsl:param name="pageclass" select="''"/>            ❸
           <xsl:param name="sequence" select="''"/>
           <xsl:param name="position" select="''"/>
```

```
            <xsl:param name="gentext-key" select="''"/>
            <fo:block>                                        ❹
20              <!-- sequence can be odd, even, first, blank -->
                <!-- position can be left, center, right -->
                <xsl:choose>
                    <xsl:when test="$sequence = 'blank'">      ❺
                        <!-- nothing -->
25                  </xsl:when>

                    <xsl:when test="$position='left'">
                        <!-- Same for odd, even, empty, and blank sequences -->
                        <!-- nothing -->
30                  </xsl:when>

                    <xsl:when test="($sequence='odd' or $sequen❻ce='even') and $position='ce
                        <!-- nothing -->
                    </xsl:when>
35
                    <xsl:when test="$position='center'">
                        <!-- nothing for empty and blank sequences -->
                    </xsl:when>

40                  <xsl:when test="$position='right'">        ❼
                        <!-- Same for odd, even, empty, and blank sequences -->
                        <fo:external-graphic content-height="1in"> ❽
                           <xsl:attribute name="src">            ❾
                               <xsl:call-template name="fo-external-image"> ❿
45                                 <xsl:with-param name="filename" select="concat($logo.src
                               </xsl:call-template>
                           </xsl:attribute>
                        </fo:external-graphic>
                    </xsl:when>
50
                    <xsl:when test="$sequence = 'first'">
                        <!-- nothing for first pages -->
                    </xsl:when>

55                  <xsl:when test="$sequence = 'blank'">
                        <!-- nothing for blank pages -->
                    </xsl:when>
                </xsl:choose>
            </fo:block>
60      </xsl:template>
    </xsl:stylesheet>
```

❶   The directory path to your logos.
❷   We assume that your logo should be placed in the header of all pages except title pages.
❸   This is the default value and will be used if no parameters are passed.
❹   A `fo:block`-element creates a rectangle area on a page which can contain lists, tables or graphics.
❺   Here you can insert a text like *This page is intentionally left blank*.
❻   This is a good place for the chapter title.
❼   This is the place for our logo as described at the top of our solution.
❽   To avoid conflicts with the body text area, we limit its height to 1 inch. When you specify only one parameter
     like `height` or `width`, your logo will be scaled with the correct aspect ratio.
❾   The file name is passed on the `src` attribute.
❿   The template which is called to import and place the logo.
⓫   Our file defined at the top of our customization layer.

4.  Use your customization layer to transform your DocBook document into FO.

# Discussion

The stylesheet `graphic-pageheader.xsl` creates a logo in the right edge of your page and uses the parameter *logo.src.path* to find the logo. By default, a logo is stored in `logo/`. If your logos are in a different location, change it with your XSLT processor. For example, the following line uses the logo(s) image source path `logo.src.path` parameter to find the logo(s). This parameter is used within the position test procedure❶ [2] to find the right logo.

```
<xsl:param name="logo.src.path">logo/</xsl:param>
```

# See Also

• Full parameter description for `fo:external-graphic`http://www.w3.org/TR/xsl/#fo_external-graphic

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