DocBook Framework (DBF)

The Apache Velocity Developers



V 1.1-dev

Copyright © 2006-2007 The Apache Software Foundation

Table of Contents

1.1. About this Project 1 1.2. License Information 1 1.3. Author Information 1 2. Introduction 2 2.1. Why another framework for rendering docbook? 2 2.2. What you need 3 2.3. Caveat Emptor! 3 3. Using the Framework 4 3.1. How to set up your documentation files 4 3.2. Customizing your documentation file layout 5 3.3. Writing your documentation 6 3.4. Notes 7 Changing the paper size 7 Referencing images 7 Selecting images for inclusion 7 Adding a new DocBook file to your documentation build 8 4. Developer information 9 4.1. ant files 9 4.2. DocBook reference files 9 4.3. XML Resolver 9 4.4. Docbook Source files 10 4.5. StyleSheet and Driver files 10 4.6. StyleSheet information 11 4.8. Titlepages 11 5. Acknowledgements 12 <th>1. Preface</th> <th>1</th>	1. Preface	1
1.3. Author Information 1 2. Introduction 2 2.1. Why another framework for rendering docbook? 2 2.2. What you need 3 2.3. Caveat Emptor! 3 3. Using the Framework 4 3.1. How to set up your documentation files 4 3.2. Customizing your documentation file layout 5 3.3. Writing your documentation file layout 5 3.4. Notes 7 Changing the paper size 7 Changing the paper size 7 Referencing images 7 Adding a new DocBook file to your documentation build 8 4. Developer information 9 4.1. ant files 9 4.2. DocBook reference files 9 4.3. XML Resolver 9 4.4. Docbook Source files 9 4.5. Stylesheet and Driver files 10 4.6. StyleSheet customizations 10 4.7. PDF StyleSheet information 11 4.8. Titlepages 11	1.1. About this Project	1
2. Introduction 2 2.1. Why another framework for rendering docbook? 2 2.2. What you need 3 2.3. Caveat Emptor! 3 3. Using the Framework 4 3.1. How to set up your documentation files 4 3.2. Customizing your documentation file layout 5 3.3. Writing your documentation 6 3.4. Notes 7 Changing the paper size 7 Referencing images 7 Selecting images for inclusion 7 Adding a new DocBook file to your documentation build 8 4. Developer information 9 4.1. ant files 9 4.2. DocBook reference files 9 4.3. XML Resolver 9 4.4. Docbook Source files 9 4.5. Stylesheet and Driver files 10 4.6. StyleSheet customizations 10 4.7. PDF StyleSheet information 11 4.8. Titlepages 11	1.2. License Information	1
2.1. Why another framework for rendering docbook? 2 2.2. What you need 3 2.3. Caveat Emptor! 3 3. Using the Framework 4 3.1. How to set up your documentation files 4 3.2. Customizing your documentation file layout 5 3.3. Writing your documentation 6 3.4. Notes 7 Changing the paper size 7 Changing the paper size 7 Referencing images 7 Selecting images for inclusion 7 Adding a new DocBook file to your documentation build 8 4. Developer information 9 4.1. ant files 9 4.2. DocBook reference files 9 4.3. XML Resolver 9 4.4. Docbook Source files 9 4.5. Stylesheets and Driver files 10 4.6. StyleSheet customizations 10 4.7. PDF StyleSheet information 11 4.8. Titlepages 11	1.3. Author Information	1
2.2. What you need 3 2.3. Caveat Emptor! 3 3. Using the Framework 4 3.1. How to set up your documentation files 4 3.2. Customizing your documentation file layout 5 3.3. Writing your documentation 6 3.4. Notes 7 Changing the paper size 7 Referencing images 7 Selecting images for inclusion 7 Adding a new DocBook file to your documentation build 8 4. Developer information 9 4.1. ant files 9 4.2. DocBook reference files 9 4.3. XML Resolver 9 4.4. Docbook Source files 9 4.5. Stylesheets and Driver files 10 4.6. StyleSheet information 11 4.8. Titlepages 11	2. Introduction	2
2.3. Caveat Emptor! 3 3. Using the Framework 4 3.1. How to set up your documentation files 4 3.2. Customizing your documentation file layout 5 3.3. Writing your documentation 6 3.4. Notes 7 Changing the paper size 7 Changing the paper size 7 Selecting images for inclusion 7 Adding a new DocBook file to your documentation build 8 4. Developer information 9 4.1. ant files 9 4.2. DocBook reference files 9 4.3. XML Resolver 9 4.4. Docbook Source files 9 4.5. Stylesheets and Driver files 10 4.6. StyleSheet information 11 4.8. Titlepages 11	2.1. Why another framework for rendering docbook?	2
3. Using the Framework 4 3.1. How to set up your documentation files 4 3.2. Customizing your documentation file layout 5 3.3. Writing your documentation 6 3.4. Notes 7 Changing the paper size 7 Referencing images 7 Selecting images for inclusion 7 Adding a new DocBook file to your documentation build 8 4. Developer information 9 4.1. ant files 9 4.2. DocBook reference files 9 4.3. XML Resolver 9 4.4. Docbook Source files 9 4.5. Stylesheets and Driver files 10 4.6. StyleSheet customizations 10 4.7. PDF StyleSheet information 11 4.8. Titlepages 11	2.2. What you need	3
3.1. How to set up your documentation files 4 3.2. Customizing your documentation file layout 5 3.3. Writing your documentation 6 3.4. Notes 7 Changing the paper size 7 Referencing images 7 Selecting images for inclusion 7 Adding a new DocBook file to your documentation build 8 4. Developer information 9 4.1. ant files 9 4.2. DocBook reference files 9 4.3. XML Resolver 9 4.4. Docbook Source files 9 4.5. Stylesheets and Driver files 10 4.6. StyleSheet customizations 10 4.7. PDF StyleSheet information 11 4.8. Titlepages 11	2.3. Caveat Emptor!	3
3.2. Customizing your documentation file layout 5 3.3. Writing your documentation 6 3.4. Notes 7 Changing the paper size 7 Referencing images 7 Selecting images for inclusion 7 Adding a new DocBook file to your documentation build 8 4. Developer information 9 4.1. ant files 9 4.2. DocBook reference files 9 4.3. XML Resolver 9 4.4. Docbook Source files 9 4.5. Stylesheets and Driver files 10 4.6. StyleSheet customizations 10 4.7. PDF StyleSheet information 11 4.8. Titlepages 11		
3.3. Writing your documentation 6 3.4. Notes 7 Changing the paper size 7 Referencing images 7 Selecting images for inclusion 7 Adding a new DocBook file to your documentation build 8 4. Developer information 9 4.1. ant files 9 4.2. DocBook reference files 9 4.3. XML Resolver 9 4.4. Docbook Source files 9 4.5. Stylesheets and Driver files 10 4.6. StyleSheet information 10 4.7. PDF StyleSheet information 11	3.1. How to set up your documentation files	4
3.4. Notes7Changing the paper size7Referencing images7Selecting images for inclusion7Adding a new DocBook file to your documentation build84. Developer information94.1. ant files94.2. DocBook reference files94.3. XML Resolver94.4. Docbook Source files94.5. Stylesheets and Driver files104.6. StyleSheet customizations104.7. PDF StyleSheet information114.8. Titlepages11	3.2. Customizing your documentation file layout	5
Changing the paper size7Referencing images7Selecting images for inclusion7Adding a new DocBook file to your documentation build84. Developer information94.1. ant files94.2. DocBook reference files94.3. XML Resolver94.4. Docbook Source files94.5. Stylesheets and Driver files104.6. StyleSheet customizations104.7. PDF StyleSheet information114.8. Titlepages11	3.3. Writing your documentation	6
Referencing images7Selecting images for inclusion7Adding a new DocBook file to your documentation build84. Developer information94.1. ant files94.2. DocBook reference files94.3. XML Resolver94.4. Docbook Source files94.5. Stylesheets and Driver files104.6. StyleSheet customizations104.7. PDF StyleSheet information114.8. Titlepages11	3.4. Notes	7
Selecting images for inclusion7Adding a new DocBook file to your documentation build84. Developer information94.1. ant files94.2. DocBook reference files94.3. XML Resolver94.4. Docbook Source files94.5. Stylesheets and Driver files104.6. StyleSheet customizations104.7. PDF StyleSheet information114.8. Titlepages11	Changing the paper size	7
Adding a new DocBook file to your documentation build84. Developer information94.1. ant files94.2. DocBook reference files94.3. XML Resolver94.4. Docbook Source files94.5. Stylesheets and Driver files104.6. StyleSheet customizations104.7. PDF StyleSheet information114.8. Titlepages11	Referencing images	. 7
4. Developer information 9 4.1. ant files 9 4.2. DocBook reference files 9 4.3. XML Resolver 9 4.4. Docbook Source files 9 4.5. Stylesheets and Driver files 10 4.6. StyleSheet customizations 10 4.7. PDF StyleSheet information 11 4.8. Titlepages 11	Selecting images for inclusion	7
4.1. ant files94.2. DocBook reference files94.3. XML Resolver94.4. Docbook Source files94.5. Stylesheets and Driver files104.6. StyleSheet customizations104.7. PDF StyleSheet information114.8. Titlepages11	Adding a new DocBook file to your documentation build	8
4.2. DocBook reference files94.3. XML Resolver94.4. Docbook Source files94.5. Stylesheets and Driver files104.6. StyleSheet customizations104.7. PDF StyleSheet information114.8. Titlepages11	4. Developer information	9
4.3. XML Resolver94.4. Docbook Source files94.5. Stylesheets and Driver files104.6. StyleSheet customizations104.7. PDF StyleSheet information114.8. Titlepages11	4.1. ant files	9
4.4. Docbook Source files94.5. Stylesheets and Driver files104.6. StyleSheet customizations104.7. PDF StyleSheet information114.8. Titlepages11	4.2. DocBook reference files	9
4.5. Stylesheets and Driver files104.6. StyleSheet customizations104.7. PDF StyleSheet information114.8. Titlepages11	4.3. XML Resolver	9
4.6. StyleSheet customizations104.7. PDF StyleSheet information114.8. Titlepages11	4.4. Docbook Source files	9
4.7. PDF StyleSheet information114.8. Titlepages11	4.5. Stylesheets and Driver files	10
4.8. Titlepages 11	4.6. StyleSheet customizations	10
	4.7. PDF StyleSheet information	11
5. Acknowledgements 12	4.8. Titlepages	11
	5. Acknowledgements	12

1. Preface

1.1 About this Project

This project started out as a framework to render documentation for the Apache Velocity project (http://velocity.apache.org/) and ended somehow up to be a generic framework to render DocBook documents using Java and driven by Apache ant.

While DocBook format seems to be ubiquitous these days, to our surprise there were not many generic frameworks around that could render all kinds of formats, are platform independent, do not require lots of infrastructure installed and are easily customizable.

Projects either use heavily customized and hacked style sheets or a mix of Java and other applications. Adjusting such a rendering framework to the needs of the Apache Velocity project was not easy, so at some point, we decided to redo this (almost) from scratch.

1.2 License Information

Copyright © 2006-2007 The Apache Software Foundation.

Licensed under the Apache License, Version 2.0 (the "License") you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

1.3 Author Information

This framework and documentation was written by the Apache Velocity Developers. If you have questions, found a bug or have enhancements, please contact us through the Apache Velocity Development Mailing list at <dev@velocity.apache.org>

2. Introduction

2.1 Why another framework for rendering docbook?

The Velocity project used a simple HTML based format called *XDOC* for its documentation for a very long time. However, *XDOC* is not really popular outside the Apache world¹, it renders somehow into HTML but no other formats (unless you consider a set of alpha and beta-level plugins for maven-1 and maven-2) and tool support for this format is not really there.

When an XML based format for documentation is considered, DocBook seems to be a natural choice. So we decided to take a stab at rendering the existing Velocity Docs that are end-user specific (Users Guide, Developers Guide, Reference and the likes) through DocBook.

What we wanted to have, was a framework, that...

- ...renders multiple documents into multiple formats with an uniform look without having to copy a large number of stylesheets, images and other supporting files around.
- ...separates the render framework and the actual documentation to render. It should be sufficient to install the framework only once and then reference it.
- ...uses the standard DocBook XML and XSL zip files available for download. Many of the open source DocBook frameworks use heavily hacked versions and we want to be able to keep up with releases without having to patch the released files every time.
- ... uses current versions of the DocBook reference files, the libraries and supporting tools.
- Apache • ...render all formats without connecting to the Internet. Using the XML. resolver, it should the framework completely standalone. See be possible to use http://xml.apache.org/commons/components/resolver/resolver-article.html for an explanation.
- ...has some documentation so you understand what happens when a format gets rendered and how.
- ...that can be customized easily (if you consider customizing complex XSL style sheets 'easy').
- ...that is platform independent and uses 100% pure Java. No external programs should be needed or called.
- ...that is driven by Apache ant and could be easily embedded into larger builds.

¹And not even in the Apache world...

2.2 What you need

- A Java Runtime. All testing has been done using the Sun JSDK 1.5.0
- Apache Ant version 1.6 or better. The build script uses the macrodef task which was introduced in ant 1.6. Any later version should work, too. Get it from http://ant.apache.org/
- The Sun JAI libraries. Please see the README.FIRST file on how to get and install these.

Everything else needed should be included in this package.

2.3 Caveat Emptor!

This framework has been written for the Velocity documentation and we also tried to do a reasonably good job in documentating it.

In any case, the last and final word is in the Subversion repository for the DocBook Framework at http://svn.apache.org/repos/asf/velocity/docbook/trunk/

The reference on how to setup and build documentation is the Velocity documentation at http://svn.apache.org/repos/asf/velocity/docs/ and also the DocBook Framework documentation itself which is located in the docs/ subfolder of the distribution. If in doubt, please check there on how the framework is used.

3. Using the Framework

3.1 How to set up your documentation files

Writing documentation is not just writing text. Often, an author wants to add images, customize the layout of the pages or use specific style information to format documentation in e.g. HTML format. All the required files must be found by the DocBook Framework for creating output files.

```
<root>
 +---- build.xml 0
 +---- project.properties 2
 +-- src
      +-- docbook 8
      +-- styles
           +-- pdf 4
            +-- html 6
      +-- CSS
           +-- html G
      +-- images 🕑
```

Figure 3.1. Recommended layout for a documentation project

- ant build file
- **2** custom settings for your build
- Docbook sources
- Output Custom styles for PDF
- G Custom styles for HTML
- CSS files for HTML
- Image files for PDF/HTML

It is possible to customize this file layout further to adjust it to existing documentation. If you start a new documentation project, then we recommend that you start with this layout until you are familiar on how the DocBook Framework behaves.

3.2 Customizing your documentation file layout

Unless you absolutely want to change the default settings for building your documentation, you only need to put a single property into the *project.properties* file.

dbf.basedir = <path to your DocBook Framework installation>

Figure 3.2. Minimum project.properties file

The following additional settings can be changed inside the properties file. Except paper type (see below), these settings normally do not need to be changed:

Table 3.1. DocBook Framework properties

property name	default value	property function
paper.type	Letter	Paper output size for PDF docs
src.dir	\${basedir}/src	docbook and related sources dir
style.src.dir	\${src.dir}/styles	custom styles directory
docbook.src.dir	\${src.dir}/docbook	docbook files directory
images.src.dir	<pre>\${src.dir}/images</pre>	images location
css.src.dir	\${src.dir}/css	css files location
target.dir	\${basedir}/target	output directory
tmp.dir	<pre>\${target.dir}/tmp</pre>	temporary files location

If you do not want to use an absolute location for the dbf.basedir property (e.g. because you want to check the documentation into a version control system and do not want to update the file all the time depending on who checks this file out where), you can put the DocBook Framework in a subdirectory of your documentation.

If you use Subversion, you can even use the svn:externals setting to do this automatically:

Add the following line to the svn:externals property of your documentation root

docbook http://svn.apache.org/repos/asf/velocity/docbook/trunk

and use the following dbf.basedir setting¹:

dbf.basedir = \${basedir}/docbook

¹This also ensures that everytime you check out your documentation, you will get the lastest version of the DocBook Framework.

To render your documentation files, you should write a simple ant build file which calls the framework using the docbook.dir and docbook.file properties. If your docbook file is located in src/docbook/manual/ToolManual.xml, your ant build file looks like this:

```
<project name="dbf-docbook" default="all" basedir=".">
<project name="dbf-docbook" default="all" basedir=".">
<property file="project.properties"/>
<target name="all" description="Build documentation">
<ant antfile="${dbf.basedir}/build-docbook.xml" target="all">
<property name="docbook.dir" value="manual"/>
<property name="docbook.dir" value="manual"/>
<property name="docbook.file" value="ToolManual"/>
</ant>
</project>
```

Figure 3.3. Sample ant build file for rendering documentation

The resulting documentation file will be located in subdirectories of the target/manualdirectory.

3.3 Writing your documentation

Your DocBook source files normally reside in subdirectories below the src/docbook folder. Each document has its own folder that is referenced through the docbook.dir property as shown above.

In the example above, running ant all (or just ant) will build all the documentation formats for the ToolManual DocBook file.

Table 3.2. Default formats built by the DocBook Framework

pdf	Adobe PDF format	
html	Multiple HTML files, one file for each section	
htmlsingle	One big HTML file	

Both of the HTML format directories will also contain a Zip file suitable for distribution, which contains all HTML files, images and optional CSS files.

3.4 Notes

Changing the paper size

The DocBook Framework renders the pages of the PDF output by default in *US Letter* format (8.5 x 11 inches). This allows printing the resulting PDF in both Letter and A4 format.

If you want to reformat the PDF documentation in A4, you can use the paper.type property when invoking ant or by setting it permanently in the project.properties file.

```
ant -Dpaper.type=A4 will render the documentation in A4.
```

Figure 3.4. Rendering documentation in A4 format

Referencing images

While the docbook files are located in their respective subdirectories below src/docbook, your image files should be put into the src/images directory.

When writing documentation, images are referenced as images/<your image file name here> because this is where they will end up when rendering your documentation.



Warning

If your DocBook writing tool does not allow you to specify image locations, it might not be able to locate the images from src/images and just display a broken image symbol. If this concerns you, you can create a symbolic link inside the source directory where your DocBook files reside to the src/images directory.

Selecting images for inclusion

By default, all docbook images are included along with the images in the src/images directory.

To explicitly select images for inclusion, you can create a file which contains inclusion patters for an ant filterset². This file must be called <projectname>.<output-type>_imageincludes.txt (for example, the html version of the foo project would reference src/docbook/foo/foo.html_imageincludes.txt) and it must be located in the src/docbook/<projectname> directory.

This file consists of line delineated file patterns that will be used to match the images to include.

²see http://ant.apache.org/manual/CoreTypes/filterset.html

Adding a new DocBook file to your documentation build

Create a new subdirectory inside src/docbook. This is where your new DocBook document will reside.

In your documentation ant build file, you must then add a reference to render your new document. To add a DocBook document called *NewGuide.xml* which has been located in the guide subdirectory, see the following example:

```
<ant antfile="build-docbook.xml" target="all">
   <property name="docbook.dir" value="guide"/> ①
   <property name="docbook.file" value="NewGuide"/> ②
</ant>
```

Figure 3.5. Adding a new DocBook document

- The new DocBook file is located in src/docbook/guide.
- This is the name of the main docbook file WITHOUT the ending. The framework will add .xml when opening the DocBook file automatically.

When you add a new document to the framework, you should make sure that it references DocBook DTD files which can be resolved locally. Included are the DTD files for DocBook 4.5, so your document declaration should be

<!DOCTYPE book PUBLIC "-//OASIS//DTD DocBook XML V4.5//EN"
 "http://www.oasis-open.org/docbook/xml/4.5/docbookx.dtd">

Figure 3.6. Recommended DTD for DocBook documents.

If you use a different doctype definition, the DocBook Framework will still render your documents, but it will have to connect to the Internet to retrieve the definition files every time you run the build process.

4. Developer information



Important

First take a look at the MANIFEST file in the root directory to get an idea what is in this package and what the various files are supposed to do.

4.1 ant files

The build.xml file in your documentation directory contains only the driver targets for rendering the documentation. The actual work is done through targets defined in the build-docbook.xml ant file in the DocBook Framework.

This file normally should not be changed! If you have to, please let us know, so we can incorporate your changes and/or bug fixes into the main distribution.

build-docbook.xml contains three main targets: pdf, html and htmlsingle. Each is responsible for rendering a format. If you want to add another format, please style your new target similar to these.

All default settings are kept in the docbook.properties file in the root directory. There should be no need to change these properties, they can be customized in your project directory by using a project.properties file.

4.2 DocBook reference files

We use the DocBook XML and XSL distribution archives without any changes to them. The reference files are located in the src/zip folder and are expanded into the target/ directory before the rendering process.

The file names must be reflected in the docbook.xml.version and docbook.xsl.version properties in the docbook.properties file. If you want to use e.g. a newer XSL version, you can put it into src/zip and update the docbook.properties to reflect this change. Let us know how it works out for you.

4.3 XML Resolver

The framework uses the Apache XML commons resolver to avoid accessing the Internet for Catalog files. The resolver is configured through the CatalogManager.properties and xml-catalog.xml files in the src/resolver directory of the distribution.

If you update e.g. the Docbook XML version, you must also update the catalog file to match the new version. Else the rendering process will have no knowledge of your changes and access the Internet to download the required DTD files.

4.4 Docbook Source files

The sources for each DocBook document to render should be in subdirectories of src/docbook. Each document has its own subdirectory and gets rendered separately. Adding a new document is described in the *Adding a new DocBook file to your Documentation build* note above.

4.5 Stylesheets and Driver files

For each of the formats used by the framework, a stylesheet driver file exists in the DocBook Framework in src/styles. These files are pdf.xsl, html.xsl and htmlsingle.xsl.

The driver files are intended to reference the actual style sheet customization and to add some framework specific elements through filtering. This two step process has been chosen because *html* and *htmlsingle* are very similar and it makes no sense to maintain two sets of stylesheet customizations that are virtually identical.

Before usage, these files are copied to target/tmp using an ant filter set. This allows you to use the following replacements in the driver files:

Filter token	Default Value	Token function
@file.prefix@	file:// (Unix)	Prefix for loading a file through the XSL processor.
	file:/// (Windows)	
@docbook.xml@	(computed at runtime)	Location of the DocBook XML files
@docbook.xsl@	(computed at runtime)	Location of the DocBook XSL style sheets
@src.dir@	\${basedir}/src	Location of the source files (DocBook, Images etc.)
@tmp.dir@	\${basedir}/target/tmp	Directory for temporary (scratch) files
@ <type>.target.dir@ (type is pdf for PDF, html for multi-page HTML and htmlsingle for single-page HTML)</type>	(computed at runtime)	Points to the target directory into which the document is rendered

Table 4.1. ant filter tokens in the stylesheet customization files

Please refer to the provided driver files in src/styles in the DocBook Framework on how to use the filter set.

4.6 StyleSheet customizations

You can customize the stylesheets used to render the documentation by adding style files to your project.

The *html* and *htmlsingle* render process uses the same set of customizations, so there are only two possible locations, one for PDF and one for HTML.

The files are located in your project under src/styles/pdf and src/styles/html respectively. The DocBook Framework only loads a file named custom.xsl file from the directory, which in turn can load additional files.

4.7 PDF StyleSheet information

In the footer, the <releaseinfo> and <productname> elements of the DocBook document are displayed. Each document should have these fields defined.

4.8 Titlepages

Similar to the style sheet customizations, the DocBook Framework can use custom title pages when rendering PDF and HTML output.

The title page format files are also be kept in the src/styles/html and src/styles/pdf sub-directories of your documentation project. If no custom page is given, a default title page is used.

5. Acknowledgements

DocBook is a fairly complex format and using and customizing the XSL style sheets available is not really straightforward. So by googling left and right and looking at other DocBook rendering frameworks that are in the open source, we tried to model similarities and sometimes just copied some of the ideas.

This DocBook Framework is literally standing on the shoulders of other projects, in particular:

- *The DocBook Format* by Norman Walsh; (C) 1999-2006 by Norman Walsh, OASIS and O'Reilly, especially all the documentation that is available from http://www.docbook.org/
- *The DocBook FAQ* maintained by Dave Pawson and available from http://www.dpawson.co.uk/docbook/. We wouldn't have survived without it.
- *DocBook XSL: The Complete Guide* by Bob Stayton. This is an invaluable reference to the DocBook style sheets. Find it online at http://sagehill.net/ or buy the E-book.
- *The DocBook Project* located at http://docbook.sourceforge.net/. They maintain the XSL style sheets used to transform DocBook into other formats and also link to the docbook mailing list archives.
- *The Apache XML commons resolver* available from http://xml.apache.org/commons/components/resolver/
- *The* XMLmind XML Editor from XMLMind, available through http://www.xmlmind.com/xmleditor/Thiscross-platform, pure Java editor not only runs well on Linux, Windows and MacOS but also offers DocBook WYSIWYG support and has a free version! And if you pay for it, you get the source code for it too.

Ideas on how to render elements, to arrange things and how to do more obscure things like title pages or use CSS to render HTML, we've taken (sometimes literally by cut and paste) from the following projects:

- *The Spring Framework documentation*. It hooked us on the idea that Velocity should have DocBook documentation, too. Their DocBook framework is really nice, however it proved to be 'not exactly what we were looking for' (see above). Spring is an example on how good documentation makes all the difference between a successful and popular project and 'the others'. Thanks a lot, Spring guys! Download Spring Framework from http://www.springframework.org/.
- *The "ant and docbook" styler suite* by Dawid Weiss, available from http://www.cs.put.poznan.pl/dweiss/xml/projects/ant-docbook-styler/index.xml . We stole his CSS style sheet almost verbatim. Thanks a lot, Dawid!
- *The Maven sdocbook plugin* by Siegfried Goeschl, Per Olesen and Carlos Sanchez, available at the SourceForge Maven plugin page at http://maven-plugins.sourceforge.net/maven-sdocbook-plugin/