

Contents

About this book 5

Structured authoring and XML 7

- What is structured authoring? 8
- What is XML? 11
- The impact of structured authoring on a publishing workflow 16
- Workflow options 21
- Roles and responsibilities 26
- Developing a business case for structured authoring and XML 29
- Does your organization need structure? 34
- Implementing a structured workflow 35
- Summary 38

Managing implementation of structured authoring 39

- Implications of structure 40
- Costs 40
- Implementation effort 42
- Identifying implementation goals and metrics 43
- Defining roles and responsibilities 44
- Establishing timeline and milestones 45
- Performing structure analysis 46
- Creating structure definition files and application files 47
- Creating a legacy document conversion process 48
- Setting up output paths 48
- Developing documentation 49
- Delivering training 50
- Converting legacy documents 51
- Creating change management process 52
- Providing transition support and validating implementation against success criteria 52
- Summary 53

Assessing DITA as a foundation for XML implementation	55
What is DITA?	56
Business case for DITA	57
Architecture overview	60
Implementing DITA versus implementing custom XML architecture	69
Resources	71
Hacking the DITA Open Toolkit	73
What's in this paper?	74
Hacking vs. elegance	74
DITA OT overview	76
CSS changes	79
HTML headers and footers	82
Modifying XSL transforms	83
Packaging up your overrides	90
Hacking and specialization	94
Summary	99
Creating PDF files from DITA content	101
Typography versus velocity	102
Support of DITA features	105
The DITA OT and an XSL-FO processor	105
DITA-capable XML authoring tools with PDF file conversion	109
ePublisher 2009	112
Help authoring tools with DITA import and PDF file conversion	113
DITA-capable page layout software with PDF file conversion	122
XML publishing tools	128
Conclusion	130

Configuring fonts in FOP and the DITA Open Toolkit 133

- A box of beautifully enticing promise 134
- The extended analogy 134
- The story on PDF files and fonts 135
- Configuring the DITA Open Toolkit build file for FOP 136
- Defining fonts in the FOP configuration file 137
- XSL-FO stylesheets and FOP-registered fonts 141

Customizing PDF output in the DITA Open Toolkit 145

- PDF production in the DITA OT 146
- What kinds of changes can you make? 146
- Updating the title page 149
- Updating headers and footers 153
- Handling fonts 156
- Altering element formatting in attribute sets 156
- Altering element formatting in templates 158
- Modifying page layouts 159
- Modifying chapter characteristics 165
- Modifying table characteristics 168
- Summary 176

Removing XML whitespace in structured FrameMaker documents 177

- Introduction 178
- The basic concepts 180
- Stylesheet organization 181
- Root template 182
- Match processing instruction nodes 183
- Match text nodes 183
- Match attributes 185
- Match other nodes 186
- Keepspace template 187
- Using the stylesheet 187
- The complete stylesheet 189

Friend or foe? Web 2.0 in technical communication 193

Cardinality in communication 194

User assistance in a Web 2.0 world 197

Technical Writing 2.0 210

Integrating Web 2.0 and user assistance 211