

# Contents

<b>Introduction</b>	<b>xvii</b>
<b>Chapter 1: Wikis at Work</b>	<b>1</b>
<b>Wiki History</b>	<b>2</b>
Web 2.0 and Social Media	4
New Business Models	5
<b>Web Content Management Systems</b>	<b>9</b>
Content Management Life Cycle	9
Workflow and User Management	10
Content Authoring	12
Organization	12
<b>When to Wiki</b>	<b>14</b>
Running a Successful Wiki	15
Wikis in the Enterprise	20
<b>Summary</b>	<b>20</b>
<b>Chapter 2: Installing MediaWiki</b>	<b>21</b>
<b>Development Environment</b>	<b>22</b>
<b>Installing the Prerequisites</b>	<b>22</b>
Installing Apache	23
Installing PHP	25
Installing MySQL	27
Installing Postgres	28
<b>Installing MediaWiki</b>	<b>29</b>
Step One: Download MediaWiki	29
Step Two: Copy to Web Server	30
Installing Through the Web	31
<b>Configuring Short URLs</b>	<b>36</b>
<b>Summary</b>	<b>38</b>
<b>Chapter 3: Getting Started with MediaWiki</b>	<b>39</b>
<b>The MediaWiki Application</b>	<b>39</b>
Code Organization	40
Architecture	41
Customizing the Installation	41

## Contents

---

<b>Fresh Wiki</b>	<b>51</b>
<b>Wiki Pages</b>	<b>52</b>
Creating Pages	52
Wiki Titles and URLs	52
Page Types	54
Article Pages	55
Redirect Pages	57
Disambiguation Pages	57
<b>Namespaces</b>	<b>57</b>
Category Namespace	58
Image Namespace	59
User Namespace	60
Talk Namespace	60
Project Namespace	60
Help Namespace	60
MediaWiki Namespace	61
Template Namespace	61
Special Namespace	61
Media Namespace	62
<b>User Actions</b>	<b>62</b>
Users and Roles	62
Changing Permissions	66
<b>Actions</b>	<b>68</b>
Custom Views with Parameters	70
<b>Summary</b>	<b>71</b>
<b>Chapter 4: Writing and Editing Content</b>	<b>73</b>
<b>Writing for the Web</b>	<b>73</b>
Wikitext versus WYSIWYG	74
Wiki Content	76
<b>Writing and Editing</b>	<b>76</b>
Editing Pages	77
Previewing Changes	78
Summary Field	79
History	79
Options for Logged-in Users	80
<b>Creating Links</b>	<b>80</b>
Wiki (Internal) Links	80
External Links	84
Interwiki Links	85

---

## Contents

---

<b>Formatting and Styles</b>	<b>85</b>
Comments	87
<b>Headings</b>	<b>87</b>
Lines and Breaks	91
<b>Block-Level Elements</b>	<b>91</b>
Preformatted Text	92
<b>Lists</b>	<b>94</b>
Nested Lists	96
Mixed Nested Lists	97
<b>Tables</b>	<b>99</b>
Basic Tables	99
Table Attributes	100
Colspan and Rowspan	102
Combining Tables and Lists	104
<b>HTML on Wiki Pages</b>	<b>105</b>
Character and Entity References	105
Sanitizing	106
Ruby text, for East Asian languages	109
Footnotes	109
Signatures	110
<b>Editing Alternatives</b>	<b>111</b>
Toolbar	111
<b>Summary</b>	<b>112</b>
<b>Chapter 5: Images and Files</b>	<b>113</b>
<hr/>	
<b>File Uploads</b>	<b>113</b>
Enabling Uploads	113
Uploading Images	114
The Image Page	115
File Types	117
<b>Image Linking and Embedding</b>	<b>118</b>
The Image Namespace	119
The Media Namespace	120
Extended Image Syntax	121
Image Display Width	122
Image Alignment	122
Thumbnails and Frames	125
Image Galleries	129
<b>Uploading Documents</b>	<b>134</b>
<b>Summary</b>	<b>135</b>

## Contents

---

<b>Chapter 6: Page Actions and Version Control</b>	<b>137</b>
<b>How Pages Work</b>	<b>137</b>
Components of a Page	138
Revisions	139
<b>Actions</b>	<b>143</b>
Permissions	143
Viewing Pages	146
Editing and Modifying Pages	148
Previous Versions	149
Deleting Pages	153
Protecting Pages	154
Page Metadata	156
<b>Redirects</b>	<b>159</b>
<b>Special Pages</b>	<b>159</b>
Importing and Exporting Pages	159
<b>Summary</b>	<b>160</b>
<b>Chapter 7: Information Architecture: Organizing Your Wiki</b>	<b>161</b>
<b>How Users Find Information</b>	<b>161</b>
<b>Site Navigation</b>	<b>161</b>
<b>Search</b>	<b>162</b>
Search Preferences	163
Search Options	164
Apache Lucene Search	165
<b>Category Pages</b>	<b>165</b>
Adding a Page to a Category	165
Creating Categories	166
Linking to Category Pages Using Alternate Text	167
Sorting Categories	167
Editing Category Pages	167
Subcategories	167
Multi-Faceted Categories	169
Categories as Folksonomies	170
<b>Improving Findability</b>	<b>170</b>
Redirects and Synonyms	170
Disambiguation Pages	171
<b>Wiki Gardening</b>	<b>171</b>
<b>Summary</b>	<b>172</b>

---

## Contents

---

<b>Chapter 8: Magic Words, Templates, and Skins</b>	<b>173</b>
<b>Magic Words</b>	<b>173</b>
Directives	174
Variables	174
Parser Functions	178
Creating Links with Variables and Parser Functions	181
<b>Templates</b>	<b>181</b>
<b>User Interface</b>	<b>185</b>
Interface Messages	185
Skins	188
<b>Summary</b>	<b>196</b>
<b>Chapter 9: Extensions</b>	<b>197</b>
<b>MediaWiki Hooks</b>	<b>197</b>
The Parsing Process	198
<b>XML Tag Extensions</b>	<b>204</b>
The Setup Function	205
The Render Function	205
The Complete Extension	206
<b>Parser Functions</b>	<b>208</b>
The Setup Function	208
The Render Function	209
The Magic Function	209
The Complete Extension	210
Default Values	211
Return Values	211
Using Global Objects	211
<b>Parser Functions with Messages</b>	<b>212</b>
The Extension Object	212
The Setup Function	213
The Magic Function	213
The Complete Extension	215
<b>Hook Extensions</b>	<b>217</b>
ParserBeforeStrip Hook	217
EditPage::showEditForm:initial Hook	217
<b>Special Pages</b>	<b>219</b>
<b>Summary</b>	<b>221</b>

## Contents

---

<b>Chapter 10: The MediaWiki API</b>	<b>223</b>
<b>Bots: pywikipedia.py</b>	<b>223</b>
Configuring pywikipedia.py	224
editarticle.py	226
spellcheck.py	227
<b>API.php</b>	<b>229</b>
Configuration	229
Accessing the API	230
Actions	230
Formats	230
Python Script	234
In Development	254
api.py	254
<b>Summary</b>	<b>261</b>
<b>Chapter 11: Wiki Performance</b>	<b>263</b>
<b>Wikipedia Architecture</b>	<b>264</b>
<b>Caching</b>	<b>265</b>
Purging the Cache	265
Cache Types	266
Browser Cache	266
File Cache	269
Memcached	270
Alternative PHP Cache (APC)	273
<b>Improving Performance</b>	<b>276</b>
Serializing Messages	276
Miser Mode	276
Managing Spiders	278
<b>Maintenance Scripts</b>	<b>282</b>
Configuration	283
Backup	283
Import Files	286
<b>Summary</b>	<b>286</b>
<b>Index</b>	<b>287</b>