

Contents

<i>About the Author</i>	<i>xi</i>
<i>About the Technical Reviewers</i>	<i>xiii</i>
<i>Acknowledgments</i>	<i>xv</i>
<i>Introduction</i>	<i>xvii</i>
<i>What You Need to Know</i>	<i>xxi</i>
<i>System Requirements</i>	<i>xxii</i>
<i>Perl Version</i>	<i>xxii</i>
 <i>Chapter 1 CPAN</i>	 <i>1</i>
<i>Why Contribute to CPAN?</i>	<i>1</i>
<i>Network Topology</i>	<i>3</i>
<i>Browsing CPAN</i>	<i>6</i>
<i>Searching CPAN</i>	<i>12</i>
<i>Installing CPAN Modules</i>	<i>13</i>
<i>ActivePerl PPM</i>	<i>19</i>
<i>Bundles</i>	<i>20</i>
<i>CPAN's Future</i>	<i>20</i>
<i>Summary</i>	<i>20</i>
 <i>Chapter 2 Perl Module Basics</i>	 <i>21</i>
<i>Using Modules</i>	<i>22</i>
<i>Packages</i>	<i>24</i>
<i>Modules</i>	<i>27</i>
<i>Read the Fine Manuals</i>	<i>64</i>
<i>Summary</i>	<i>64</i>

Chapter 3	Module Design and Implementation	65
Check Your Slack		65
Size Matters		66
Document First		66
Interface Design		73
Summary		94
Chapter 4	CPAN Module Distributions	95
Module Installation		95
Always Begin with h2xs		98
Exploring the Distribution		112
Portability		122
Choosing a License		126
Summary		128
Chapter 5	Submitting Your Module to CPAN	129
Requesting Comments		129
Requesting a CPAN Author ID		131
Registering Your Namespace		132
Uploading Your Module Distribution		134
Post-Upload Processing		137
Summary		138
Chapter 6	Module Maintenance	139
Growing a User Community		139
Managing the Source		142
Making Releases		161
Summary		163
Chapter 7	Great CPAN Modules	165
What Makes a Great CPAN Module?		165
CGI.pm		166
DBI		168
Storable		169
Net::FTP		170
LWP		171
XML::SAX		172
Parse::RecDescent		173
Summary		174

Chapter 8	Programming Perl in C	175
Why C?		175
The Perl C API		176
References		204
Summary		204
Chapter 9	Writing C Modules with XS	205
A Real-World Example		205
Getting Started with XS		206
XSUB Techniques		216
XS Interface Design and Construction		220
Learning More about XS		235
Summary		236
Chapter 10	Writing C Modules with Inline::C	237
Inline::C Walkthrough		237
Getting Up Close and Personal		239
Getting Started with Inline::C		240
Inline::C Techniques		244
Learning More about Inline::C		251
Summary		251
Chapter 11	CGI Application Modules for CPAN	253
Introduction to CGI::Application		253
Advanced CGI::Application		263
CGI::Application and CPAN		269
Summary		271
Index		273