

Contents



Acknowledgments	xi
Introduction	xiii
Chapter 1 An Open Source Primer	1
The Birth of the Internet	1
First Key Internet Technology	5
Unix	5
Sun Microsystems: The Network Is the Computer	7
The Shared Ethic	8
Email	10
Xanadu	10
Mosaic from NCSA	12
Free Software Foundation	14
Linux	15
Cathedrals and Bazaars	18
Others Follow Netscape's Example	20
Summary	22

Chapter 2	Open Source in Business Terms	23
	A Gift Economy	24
	In Commercial Terms	25
	Licenses, Licenses, Licenses	26
	An Open Economy	29
	Brooks' Law	31
	Do Commercial Interests Combine with Voluntariness?	33
	Open Maintenance	34
	Summary	35
Chapter 3	The Open Source Philosophy	37
	Shareware, Freeware, and Public Domain	38
	Electronic Frontier Foundation	41
	Free Software Movement	44
	Open Source	46
	The Open Source Definition (Version 1.7)	48
	OSI Certified Mark	50
	Transcopyright	51
	A New Openness	51
	Open Content	53
	Summary	57
Chapter 4	Open Source and the Internet Economy	59
	Open as a Business Strategy	60
	Try It First Information	63
	Standards	65
	Network Effects	66
	Expectation Management	67
	Positive Feedback	68
	Prosumers	70
	Summary	71
Chapter 5	Network Organizations	73
	Different Types of Networks	74

	Hierarchy or Collaboration?	75
	More Definitions	77
	Open Source Networks	78
	Summary	79
Chapter 6	Managing a Virtual Team	81
	The Paradigm Shift	81
	General Principles of Organization	82
	Network Organizations	83
	It All Depends on Trust	84
	Business Development Networks	87
	Global Virtual Teams	89
	Lead Rather Than Manage	92
	Open Management and Cultural Importance	93
	Flat Organizations and Short Power Distance	95
	Summary	99
Chapter 7	Managing Distributed Open Source Projects	101
	The Open Source Team	103
	Network or Virtual Organization?	103
	Principal Differences	104
	Relationship Management	106
	Trust and Respect	107
	Knowledge Management	111
	Technology Management	112
	Project Management Activities	114
	Motivation Encourages Project Collaboration	115
	Necessary Competencies	116
	Groupware	119
	Choosing the Right Product	124
	Obtaining a Critical Mass	126
	Interfaces and Documentation	129
	Human Interaction	130
	Summary	130

Chapter 8	Tools for Building Open Source Products	133
	Version Handling Systems	134
	Problem Reporting Tools	139
	Summary	143
Chapter 9	Open Source Tool Tips	145
	Software	145
	Knowledge Base Systems	150
	Enterprise Resource Planning	151
	Other Resources	152
	Summary	154
Chapter 10	Setting Up an Open Source Project	155
	Motivations for Open Source	155
	Open Source Methodology	157
	Build a Team	161
	Clearinghouses	164
	Summary	166
Chapter 11	Open Source Management Anecdotes	167
	Open Aid to Developing Countries	168
	Even the Largest Sites Use Open Source	168
	Time Is the Critical Factor in Open Source	170
	Summary	172
Chapter 12	Are You Ready for Open Source?	173
	Practical Advice	173
	Open Source Benefits	175
	The Five Open Source Commandments	177
	Social Aspects of Open Source	178
Index		181