

## Contents

<i>Preface</i>	<i>page</i>	ix
<i>Acknowledgments</i>		xi
<b>1. Introduction</b>		1
1.1 Why Open Source		2
1.2 Preview		11
<b>Section One: Open Source – Internet Applications, Platforms, and Technologies</b>		
<b>2. Open Source Internet Application Projects</b>		21
2.1 The WWW and the Apache Web Server		23
2.2 The Browsers		37
2.3 Fetchmail		50
2.4 The Dual License Business Model		61
2.5 The P’s in LAMP		70
2.6 BitTorrent		77
2.7 BIND		78
<b>3. The Open Source Platform</b>		80
3.1 Operating Systems		81
3.2 Windowing Systems and Desktops		99
3.3 GIMP		111
<b>4. Technologies Underlying Open Source Development</b>		119
4.1 Overview of CVS		120
4.2 CVS Commands		124
4.3 Other Version Control Systems		143
4.4 Open Source Software Development Hosting Facilities and Directories		151

Cambridge University Press

978-0-521-88103-6 - Open Source: Technology and Policy

Fadi P. Deek and James A. M. Mchugh

Table of Contents

[More information](#)

viii

Contents

## Section Two: Social, Psychological, Legal, and Economic Aspects of Open Source

<b>5. Demographics, Sociology, and Psychology of Open Source Development</b>	159
5.1 Scale of Open Source Development	160
5.2 Demographics and Statistical Profile of Participants	162
5.3 Motivation of Participants	164
5.4 Group Size and Communication	166
5.5 Social Psychology and Open Source	168
5.6 Cognitive Psychology and Open Source	181
5.7 Group Problem Solving and Productivity	190
5.8 Process Gains and Losses in Groups	197
5.9 The Collaborative Medium	206
<b>6. Legal Issues in Open Source</b>	222
6.1 Copyrights	223
6.2 Patents	228
6.3 Contracts and Licenses	232
6.4 Proprietary Licenses and Trade Secrets	236
6.5 OSI – The Open Source Initiative	243
6.6 The GPL and Related Issues	250
<b>7. The Economics of Open Source</b>	265
7.1 Standard Economic Effects	266
7.2 Open Source Business Models	272
7.3 Open Source and Commoditization	281
7.4 Economic Motivations for Participation	285

## Section Three: Free Software: The Movement, the Public Sector, and the Future

<b>8. The GNU Project</b>	297
8.1 The GNU Project	297
8.2 The Free Software Foundation	302
<b>9. Open Source in the Public Sector</b>	309
9.1 Open Source in Government and Globally	310
9.2 Open Source in Education	316
<b>10. The Future of the Open Source Movement</b>	325
<i>Glossary</i>	336
<i>Subject Index</i>	351
<i>Author Index</i>	366