

Free ebook Essential linux device drivers pearson open source software development series Full PDF

The Rise of Open-Source Software Producing Open Source Software Best Practices for commercial use of open source software Free/open Source Software Development FUNDAMENTALS OF OPEN SOURCE SOFTWARE Emerging Free and Open Source Software Practices Open Sources Succeeding with Open Source Open Source Understanding Open Source and Free Software Licensing Open Source Software Law Perspectives on Free and Open Source Software Open Source Open Source Software Inside Linux Software How Open Source Ate Software CPU Open Source for the Enterprise Multi-Disciplinary Advancement in Open Source Software and Processes Open Source Licensing Handbook of Research on Open Source Software: Technological, Economic, and Social Perspectives Open Source Software Dynamics, Processes, and Applications Open Source Software Management Framework Research Anthology on Usage and Development of Open Source Software Acquisitions and Open Source Software Development Open Source Technology Open Source For Business Best Practices for Commercial Use of Open Source Software Rebel Code Software Development CVS The Cathedral & the Bazaar For Fun and Profit The Janus Face of Commercial Open Source Software Communities The Success of Open Source The Economics of Open Source Software Development Managing Open Source Projects Free and Open Source Enterprise Resource Planning: Systems and Strategies

The Rise of Open-Source Software

2005-10-07

open source software finds its connections with free software and is part of free and open source software over the extended term open source software oss is a form of computer software program that releases source code under a licensing legitimacy wherein the copyright holder allows users the privilege to analyze modify and share the software to anyone and for any productive purpose open source software may be created either freely and collaboratively open source software is a case in point of open collaboration the progress of open source software will offer assorted perspectives beyond those of a single enterprise a 2008 study from the standish group reported that the implementation of open source software models culminated in savings for customers of around 60 billion 48 billion annually initiatives of open source software are undertaken and managed by a network of voluntary programming associations and are commonly used in the gamut of both free and commercial outputs

Producing Open Source Software

2019-10-30

the corporate market is now embracing free open source software like never before as evidenced by the recent success of the technologies underlying lamp linux apache mysql and php each is the result of a publicly collaborative process among numerous developers who volunteer their time and energy to create better software the truth is however that the overwhelming majority of free software projects fail to help you beat the odds o reilly has put together producing open source software a guide that recommends tried and true steps to help free software developers work together toward a common goal not just for developers who are considering starting their own free software project this book will also help those who want to participate in the process at any level the book tackles this very complex topic by distilling it down into easily understandable parts starting with the basics of project management it details specific tools used in free software projects

including version control irc bug tracking and wikis author karl fogel known for his work on cvs and subversion offers practical advice on how to set up and use a range of tools in combination with open mailing lists and archives he also provides several chapters on the essentials of recruiting and motivating developers as well as how to gain much needed publicity for your project while managing a team of enthusiastic developers most of whom you ve never even met can be challenging it can also be fun producing open source software takes this into account too as it speaks of the sheer pleasure to be had from working with a motivated team of free software developers

Best Practices for commercial use of open source software

2005-01-01

this book enables you to leverage the state of the art of creating open source based business models and of managing open source in the development cycle of commercial software and during due diligence in mergers and acquisitions in addition it provides information about why investments in open source makes sense practitioners investors and consultants created this book to help professionals in the software business like investors executives business developers product managers architects developers quality managers development operations managers as well as students to get acquainted and proficient in using open source products in a commercial context first the focus is on business model impact of open source products and open source licenses dr karl michael popp gives an overview of the different types of business models for open source companies dr josef waltl shows how open source licenses and intellectual property strategies can create a unique business model based on a combination of open source and proprietary software then the focus is on detection and license compliance aspects of open source software in mergers and acquisitions the acquisition of a software vendor requires the review of intellectual property rights including open source license compliance as described by dr karl michael popp the following new chapter authored by joseph jacks from oss capital provides fundamentals of the open source business by elaborating on value

creation and value capture for commercial open source companies then two chapters cover the offerings of tool vendors for governance of open source software but also for development enablement first bill weinberg and greg olsen show the broad offering of solutions of black duck software a provider for open source governance and enablement tools the next new chapter provided by snyk focuses on development aspects of using open source software as part of commercial products like assistance for developers in selection and in continuously updating open source components during the software development lifecycle

Free/open Source Software Development

2014-09-16

free open source software development uses a multitude of research approaches to explore free and open source software development processes attributes of their products and the workings within the development communities

FUNDAMENTALS OF OPEN SOURCE SOFTWARE

2007-06-30

free open source software have been growing enormously in the field of information technology open source software oss is a software whose source code is accessible for alteration or enrichment by other programmers this book gives a detailed analysis of open source software and their fundamentals and so is meant for the beginners who want to learn and write programs using open source software it also educates on how to download and instal these open source free software in the system the topics covered in the book broadly aims to develop familiar open source software oss associated with database web portal and scientific application development software platforms like android mysql php python perl grid computing and open source cloud and their applications are explained through various examples and programs the platforms like oss and linux are also introduced in the book recapitulation

given at the end of each chapter enables the readers to take a quick revision of the topics numerous examples in the form of programs are given to enable the students to understand the theoretical concepts and their applicative knowledge the book is an introductory textbook on open source software oss for the undergraduate students of computer science engineering cse and postgraduate students of computer application mca salient features the procedure for installing software linux android php mysql perl and python both in linux and windows operating systems are discussed in the book numerous worked out example programs are introduced inclusion of several questions drawn from previous question papers in chapter end exercises

Emerging Free and Open Source Software Practices

1999-01-03

this book is a collection of empirical research regarding the status of f oss projects presenting a framework and state of the art references on f oss projects reporting on case studies covering a wide range of f oss applications and domains it asserts trends in the evolution of software practices and solutions to the challenges ubiquitous nature free and open source software provides provided by publisher

Open Sources

2005

freely available source code with contributions from thousands of programmers around the world this is the spirit of the software revolution known as open source open source has grabbed the computer industry s attention netscape has opened the source code to mozilla ibm supports apache major database vendors have ported their products to linux as enterprises realize the power of the open source development model open source is becoming a viable mainstream alternative to commercial software now in open sources leaders of open source come together for the first time to discuss the new vision of the software industry they have

created the essays in this volume offer insight into how the open source movement works why it succeeds and where it is going for programmers who have labored on open source projects open sources is the new gospel a powerful vision from the movement s spiritual leaders for businesses integrating open source software into their enterprise open sources reveals the mysteries of how open development builds better software and how businesses can leverage freely available software for a competitive business advantage the contributors here have been the leaders in the open source arena brian behlendorf apache kirk mckusick berkeley unix tim o reilly publisher o reilly associates bruce perens debian project open source initiative tom paquin and jim hamerly mozilla org netscape eric raymond open source initiative richard stallman gnu free software foundation emacs michael tiemann cygnus solutions linus torvalds linux paul vixie bind larry wall perl this book explains why the majority of the internet s servers use open source technologies for everything from the operating system to serving and email key technology products developed with open source software have overtaken and surpassed the commercial efforts of billion dollar companies like microsoft and ibm to dominate software markets learn the inside story of what led netscape to decide to release its source code using the open source mode learn how cygnus solutions builds the world s best compilers by sharing the source code learn why venture capitalists are eagerly watching red hat software a company that gives its key product linux away for the first time in print this book presents the story of the open source phenomenon told by the people who created this movement open sources will bring you into the world of free software and show you the revolution

Succeeding with Open Source

2007-11-05

it organizatons are increasingly investigating the use of open source software for its cost effectiveness and flexibility however myths about open source software persist for example that it runs only on linux or that it is not stable enough for demanding production environments dispelling those myths leading companies such as amazon com and google rely on

open source software and many more companies will make the switch in the years ahead succeeding with open source is the first book written specifically for it managers who need to evaluate select and use open source software the author begins with the fundamentals of open source solutions and how they differ greatly from commercial software he then introduces the open source maturity model osmm an invaluable resource for assessing open source products for their production readiness book jacket title summary field provided by blackwell north america inc all rights reserved

Open Source

2004-08-16

from the internet s infrastructure to operating systems like gnu linux the open source movement comprises some of the greatest accomplishments in computing over the past quarter century its story embraces technological advances unprecedented global collaboration and remarkable tools for facilitating distributed development the evolution of the internet enabled an enormous expansion of open development allowing developers to exchange information and ideas without regard to constraints of space time or national boundary the movement has had widespread impact on education and government as well as historic cultural and commercial repercussions part i discusses key open source applications platforms and technologies used in open development part ii explores social issues ranging from demographics and psychology to legal and economic matters part iii discusses the free software foundation open source in the public sector government and education and future prospects

Understanding Open Source and Free Software Licensing

2004

if you ve held back from developing open source or free software projects because you don t understand the implications of the various licenses

you're not alone many developers believe in releasing their software freely but have hesitated to do so because they're concerned about losing control over their software licensing issues are complicated and both the facts and fallacies you hear word of mouth can add to the confusion understanding open source and free software licensing helps you make sense of the different options available to you this concise guide focuses on annotated licenses offering an in depth explanation of how they compare and interoperate and how license choices affect project possibilities written in clear language that you don't have to be a lawyer to understand the book answers such questions as what rights am i giving up how will my use of os fs licensing affect future users or future developers does a particular use of this software such as combining it with proprietary software leave me vulnerable to lawsuits following a quick look at copyright law contracts and the definition of open source the book tackles the spectrum of licensing including the mit or x bsd apache and academic free licenses the gpl lgpl and mozilla licenses the qt artistic and creative commons licenses classic proprietary licenses sun community source license and microsoft shared source project the book wraps up with a look at the legal effects both positive and negative of open source free software licensing licensing is a major part of what open source and free software are all about but it's still one of the most complicated areas of law even the very simple licenses are tricky understanding open source and free software licensing bridges the gap between the open source vision and the practical implications of its legal underpinnings if open source and free software licenses interest you this book will help you understand them if you're an open source free software developer this book is an absolute necessity

Open Source Software Law

2005

this unique and comprehensive resource provides you with a broad introduction to the area of software licensing in the information age the book helps you to understand the basic philosophy and key issues of open source software development and offers expert guidance on how to draft an open source license drawing on the author's legal and technical

background this invaluable reference explains the legal framework that has been developed to support the increasingly popular internet based open source and free software community

Perspectives on Free and Open Source Software

2006

leading free and open source software researchers and analysts consider the status of the open source revolution and its effect on industry and society

Open Source

2011-09

in recent years the way open source software is developed has taken hold as a valid alternative to commercial proprietary methods as have the products themselves e g the linux operating system apache web server software and mozilla firefox browser but what is open source software how is the open source community organized what makes this new model successful what effects has it had and might it have on the future of the it industry companies and government policies these and many other questions are answered in this book the first chapter gives a brief history of the open source community and the second chapter takes a close look at the relationship between intellectual property rights and software both open source and proprietary the next three chapters consider the who the open source community the how software development both within and outside the community and the what open source projects and product quality chapters 6 and 7 focus on the different users of open source software companies and governments respectively these are followed by two chapters that interpret the phenomenon first from an organizational point of view in chapter 8 and then using the theory of complex adaptive systems in chapter 9 the last chapter explores the current and potential applications of the concept underlying open source software in other fields sample chapter s chapter

1 history of open source 189 kb contents history of open source software and intellectual property rights the organization of the open source community software development models open source products and software quality strategies and business models government policies towards open source software new trends in work organization open source as a complex adaptive system developments readership postgraduate students academicians and practitioners in the field of technology management

Open Source Software

2007-03

open source software a survey from 10 000 feet provides an overview of the history development and applications of open source software oss oss is software distributed with a license allowing access to its source code free redistribution the creation of derived works and unrestricted use the history of open source software can be traced back to the 1950s open source applications cover most areas of consumer and business software the organization of open source development projects often differs from proprietary ones in terms of their organizational structure membership leadership contribution policies and quality control behind a successful oss project is its community ranging from core developers to passive users the key defining element of open source software is its license which must satisfy a list of important requirements there are numerous open source licenses and they mainly differ in how they treat derived software some contain provisions that maintain its availability in open source form while others allow more flexibility the emergence of open source software is fueling the economy as a whole through its widespread adoption as a cheap alternative to pricey proprietary products and as a driver behind many successful e business ventures open source is also directly affecting specific sectors the software development industry through competition and new business opportunities hardware development through lower cost and barriers of entry consumer led innovation and policy enforcement difficulties academia through valuable opportunities for research and student involvement in real world applications as well as the availability of

software tools and the provision of pioneering new courses it can lead to new design production marketing and business models as well as ways to develop large complex software systems in an organic manner challenges lie ahead and problems still need to be overcome so the potential for future research on OSS is large more important however is the ability of open source development models to democratize technology and innovation

Inside Linux Software

2018-08-21

Open source software development models like rpm and unix OS are becoming more popular in Linux. Open source software development models like rpm and unix OS are becoming more popular in Linux. Open source software development models like rpm and unix OS are becoming more popular in Linux.

How Open Source Ate Software

2020-04-06

Learn how free software became open source and how you can sell open source software. This book provides a historical context of how open source has thoroughly transformed how we write software, how we cooperate, how we communicate, how we organize, and ultimately how we think about business values. You'll look at project and community examples including Linux, BSD, Apache, and Kubernetes. Understand the open source development model and how open source has influenced approaches more broadly, even proprietary software such as open betas. You'll also examine the flipside: the second machine age and the challenges of open source-based business models. Today, open source serves as shorthand for much broader trends and behaviors. It's not just about a free in all senses of the word alternative to commercial software; it increasingly is the new commercial software. How open source ate software reveals how open source has much in common and is often closely allied with many other trends in business and society. You'll see how it enables projects that go beyond any individual company that makes open source not just a story about software but a story about

almost everything what you ll learn understand open source opportunities and challenges sell software if you re giving it away apply open source principles more broadly to openorg devops etc review which organizational incentives you can implement who this book is for anyone who has an interest in what is happening in open source and the open source community and anyone who is contemplating making a business that involves open source

CPU

2005-07-27

cpu 4bitcpu 2003 16 30 2019 9 29 2003 8

Open Source for the Enterprise

2011-03-31

open source software is changing the world of information technology but making it work for your company is far more complicated than simply installing a copy of linux if you are serious about using open source to cut costs accelerate development and reduce vendor lock in you must institutionalize skills and create new ways of working you must understand how open source is different from commercial software and what responsibilities and risks it brings open source for the enterprise is a sober guide to putting open source to work in the modern it department open source software is software whose code is freely available to anyone who wants to change and redistribute it new commercial support services smaller licensing fees increased collaboration and a friendlier platform to sell products and services are just a few of the reasons open source is so attractive to it departments some of the open source projects that are in current widespread use in businesses large and small

include linux freebsd apache mysql postgresql jboss and perl these have been used to such great effect by google amazon yahoo and major commercial and financial firms that a wave of publicity has resulted in recent years bordering on hype large vendors such as ibm novell and hewlett packard have made open source a lynchpin of their offerings open source has entered a new area where it is being used as a marketing device a collaborative software development methodology and a business model this book provides something far more valuable than either the cheerleading or the fear mongering one hears about open source the authors are dan woods former cto of thestreet.com and a consultant and author of several books about it and gautam guliani director of software architecture at kaplan test prep admissions each has used open source software for some 15 years at it departments large and small they have collected the wisdom of a host of experts from it departments open source communities and software companies open source for the enterprise provides a top to bottom view not only of the technology but of the skills required to manage it and the organizational issues that must be addressed here are the sorts of questions answered in the book why is there a productization gap in most open source projects how can the maturity of open source be evaluated how can the roi of open source be calculated what skills are needed to use open source what sorts of open source projects are appropriate for it departments at the beginner intermediate advanced and expert levels what questions need to be answered by an open source strategy what policies for governance can be instituted to control the adoption of open source what new commercial services can help manage the risks of open source do differences in open source licenses matter how will using open source transform an it department praise for open source for the enterprise open source has become a strategic business issue decisions on how and where to choose to use open source now have a major impact on the overall direction of it abilities to support the business both with capabilities and by controlling costs this is a new game and one generally not covered in existing books on open source which continue to assume that the readers are deep dive technologists open source for the enterprise provides everyone from business managers to technologists with the balanced view that has been missing well worth the time to read and also worth encouraging others in your enterprise to read as well andy mulholland global cto capgemini open source for the

enterprise is required reading for anyone working with or looking to adopt open source technologies in a corporate environment its practical no bs approach will make sure you re armed with the information you need to deploy applications successfully as well as helping you know when to say no if you re trying to sell opensource to management this book will give you the ammunition you need if you re a manager trying to drive down cost using open source this book will tell you what questions to ask your staff in short it s a clear concise explanation of how to successfully leverage open source without making the big mistakes that can get you fired kevin bedell founding editor of linuxworld magazine

Multi-Disciplinary Advancement in Open Source Software and Processes

2005

this book reviews the development design and use of free and open source software providing relevant topics of discussion for programmers as well as researchers in human computer studies online and virtual collaboration and e learning provided by publisher

Open Source Licensing

2007-04-30

i have studied rosen s book in detail and am impressed with its scope and content i strongly recommend it to anybody interested in the current controversies surrounding open source licensing john terpstra samba org cofounder samba team linux and open source software have forever altered the computing landscape the important conversations no longer revolve around the technology but rather the business and legal issues rosen s book is must reading for anyone using or providing open source solutions stuart open source development labs a complete guide to the law of open source for developers managers and lawyers now that open source software is blossoming around the world it is crucial to understand how open source licenses work and their solid legal foundations open source initiative general counsel lawrence rosen presents a plain english

guide to open source law for developers managers users and lawyers
rosen clearly explains the intellectual property laws that support open
source licensing carefully reviews today s leading licenses and helps you
make the best choices for your project or organization coverage includes
explanation of why the sco litigation and other attacks won t derail open
source dispelling the myths of open source licensing intellectual property
law for nonlawyers ownership and licensing of copyrights patents and
trademarks academic licenses bsd mit apache and beyond the reciprocal
bargain at the heart of the gpl alternative licenses mozilla cpl osl and afl
benefits of open source and the obligations and risks facing businesses
that deploy open source software choosing the right license considering
business models product architecture ip ownership license compatibility
issues relicensing and more enforcing the terms and conditions of open
source licenses shared source eventual source and other alternative
models to open source protecting yourself against lawsuits

Handbook of Research on Open Source Software: Technological, Economic, and Social Perspectives

2013-02-28

this handbook of research is one of the few texts to combine open source
software oss in public and private sector activities into a single reference
source it examines how the use of oss affects practices in society
business government education and law

Open Source Software Dynamics, Processes, and Applications

2007

the innovative process of open source software is led in greater part by
the end users therefore this aspect of open source software remains
significant beyond the realm of traditional software development open
source software dynamics processes and applications is a

multidisciplinary collection of research and approaches on the applications and processes of open source software highlighting the development processes performed by software programmers the motivations of its participants and the legal and economic issues that have been raised this book is essential for scholars students and practitioners in the fields of software engineering and management as well as sociology

Open Source Software Management Framework

1999-07

summary open source software oss not only challenges the conventional ways of developing software but it is also a basis for new businesses and business models companies that use oss in their business need a comprehensive view on how to deal with the phenomena not just one narrow view from a specific scientific discipline to provide answers to the multifaceted phenomena four finnish universities in co operation with several companies launched a multidisciplinary tekes funded project titled ossi managing open source software as an integrated part of business the research project aims to build a management framework providing answers to companies practical challenges regarding the utilization of open source software the main results of ossi research project are summarized in this report that serves as the final report of the project the report concentrates on presenting the tools and models that together form the oss management framework the results are written by keeping mind the needs of companies as ossi project has foremost been an industry driven research guiding the researchers to work together to bring multidisciplinary but yet unified view for companies looking to utilize oss publisher description

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2021-06-25

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Research Anthology on Usage and Development of Open Source Software

2021-08-10

the quick growth of computer technology and development of software caused it to be in a constant state of change and advancement this advancement in software development meant that there would be many types of software developed in order to excel in usability and efficiency among these different types of software was open source software one that grants permission for users to use study change and distribute it freely due to its availability open source software has quickly become a valuable asset to the world of computer technology and across various disciplines including education business and library science the research anthology on usage and development of open source software presents comprehensive research on the design and development of open source software as well as the ways in which it is used the text discusses in depth the way in which this computer software has been made into a collaborative effort for the advancement of software technology discussing topics such as iso standards big data fault prediction open collaboration and software development this anthology is essential for computer engineers software developers it specialists and consultants instructors librarians managers executives professionals academicians researchers and students

Acquisitions and Open Source Software Development

2009-05

participation of firms in open source software oss development is steadily increasing in fact a substantial part of oss projects today are developed

in informal collaboration between firms and a community of voluntary contributors as more and more firms are active in oss acquisitions of firms active in oss development occur increasingly often yet despite the economic and practical importance of oss research has so far overlooked this phenomenon this dissertation explores this phenomenon of acquisitions of firms active in oss development michael vetter examines the role of oss in the pre acquisition phase and the impact of acquisitions on oss development in the post acquisition phase using qualitative and quantitative research methods the author examines acquisition motives acquisition likelihood timing of acquisitions and outcomes of acquisitions and discuss mechanisms behind variations across acquisitions the findings from the studies contribute to research on acquisitions and oss development while also providing insights into how to leverage oss in target search selection and evaluation processes as well as how to effectively manage acquisitions of firms active in oss and the communities around them

Open Source Technology

2017

heather meeker s open source for business is a practical readable guide to help businesspeople engineers and lawyers understand open source software licensing based on the author s twenty years as an attorney working at the crossroads of intellectual property and technology this guide explains the legal and technical principles behind open source licensing so you can make the right decisions for your business it offers tips on using open source contributing to open source projects and releasing your own open source software you ll also get access to quick reference tables on the major open source licenses plus forms and checklists you can use to promote compliance in this book you will learn why open source is not a virus what the gpl is and how to handle it when and how to conduct open source audits what a user friendly open source policy looks like how to avoid and respond to open source enforcement claims how to use open source to fight patent infringement claims how to manage trademarks for open source products

Open Source For Business

2015-08-07

this book describes the state of the art of creating open source based business models and of managing open source in the development cycle of commercial software and during due diligence in mergers and acquisitions practitioners and consultants created this book to help professionals in the software business like executives business developers product managers architects developers quality managers development operations managers as well as students to get acquainted and proficient in using open source products in a commercial context first the focus is on business model impact of open source products and open source licenses dr karl michael popp gives an overview of the different types of business models for open source companies dr josef waltl shows how open source licenses and intellectual property strategies can create a unique business model based on a combination of open source and proprietary software then the focus is on detection and license compliance aspects of open source software in mergers and acquisitions the acquisition of a software vendor requires the review of intellectual property rights including open source license compliance as described by dr karl michael popp then two chapters cover the offerings of tool vendors for governance of open source software but also for development enablement first bill weinberg and greg olsen show the broad offering of solutions of black duck software a provider for open source governance and enablement tools then versioneye focuses on development aspects of using open source software as part of commercial products they cover assistance for developers in selecting and in continuously updating open source components during the software development lifecycle

Best Practices for Commercial Use of Open Source Software

2009-02-18

open source began as the mantra of a small group of idealistic hackers

and has blossomed into the all important slogan for progressive business and computing this fast moving narrative starts at ground zero with the dramatic incubation of open source software by linux and its enigmatic creator linus torvalds with firsthand accounts it describes how a motley group of programmers managed to shake up the computing universe and cause a radical shift in thinking for the post microsoft era a powerful and engaging tale of innovation versus big business rebel code chronicles the race to create and perfect open source software and provides the ideal perch from which to explore the changes that cyberculture has engendered in our society based on over fifty interviews with open source protagonists such as torvalds and open source guru richard stallman rebel code captures the voice and the drama behind one of the most significant business trends in recent memory

Rebel Code

2012-02-28

to understand the principles and practice of software development there is no better motivator than participating in a software project with real world value and a life beyond the academic arena software development an open source approach immerses students directly into an agile free and open source software foss development process it focuses on the methodologies and goals that drive the development of foss combining principles with real world skill building such as debugging refactoring and writing the text explains the software development process through an integration of foss principles agile techniques modern collaboration tools community involvement and teamwork the authors highlight the value of collaboration as a fundamental paradigm for software development they show how an effective development team can often create better quality software than an individual working in isolation written by experienced software developers and educators this book enables students to gain a rich appreciation of the principles and practice of foss development it also helps them become better writers programmers and software community members resource the book s companion website provides a wealth of resources downloadable foss development projects including design documents use cases and code bases a discussion forum for

instructors and students to share their experiences and exchange ideas about particular issues raised by these projects supporting materials for common foss development tasks such as setting up a version control system an ide a project code base and a unit test suite additional exercises that reflect a wide variety of software projects and other activities

Software Development

1999

CVS

CVS

2002-06

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CVS

2001

the free and open source software movement from its origins in hacker culture through the development of gnu and linux to its commercial use today in the 1980s there was a revolution with far reaching consequences a revolution to restore software freedom in the early 1980s after decades of making source code available with programs most programmers ceased sharing code freely a band of revolutionaries self described hackers challenged this new norm by building operating systems with source code that could be freely shared in for fun and profit christopher tozzi offers an account of the free and open source software foss revolution from its origins as an obscure marginal effort by a small group of programmers to the widespread commercial use of open source software today tozzi explains foss s historical trajectory shaped by eccentric personalities including richard stallman and linus torvalds and driven both by ideology and pragmatism by fun and profit tozzi examines

hacker culture and its influence on the unix operating system the reaction to unix s commercialization and the history of early linux development he describes the commercial boom that followed when companies invested billions of dollars in products using foss operating systems the subsequent tensions within the foss movement and the battles with closed source software companies especially microsoft that saw foss as a threat finally tozzi describes foss s current dominance in embedded computing mobile devices and the cloud as well as its cultural and intellectual influence

The Cathedral & the Bazaar

2024-04-09

fifteen years ago software was primarily developed either within an organizational field of voluntary open source software communities or within an organizational field of commercial companies within the organizational field of open source software participants looked upon themselves as programmers and users modifying and sharing codes making them available to everyone for free within the field of commercial companies managers and employees perceived software as a commodity that could be bought and sold and the development of the software was wrapped in copyrights and licenses today commercial companies are involved in activities within open source software communities in many different ways how did people start to co operate with the enemy on software development is the leading question in the book the answers are based on in depth studies of three empirical cases showing different variations of successful co operation in all three cases the development has raised serious identity questions like who am i who are my friends and enemies and what is the right thing for me to do in the future the book is for everyone interested in software development and or open innovation processes and will be of particular interest for organizational scholars as it draws heavily on sociological concepts like institutional logics institutional work and institutional actors

For Fun and Profit

2012

much of the innovative programming that powers the internet creates operating systems and produces software is the result of open source code that is code that is freely distributed as opposed to being kept secret by those who write it leaving source code open has generated some of the most sophisticated developments in computer technology including most notably linux and apache which pose a significant challenge to microsoft in the marketplace as steven weber discusses open source s success in a highly competitive industry has subverted many assumptions about how businesses are run and how intellectual products are created and protected traditionally intellectual property law has allowed companies to control knowledge and has guarded the rights of the innovator at the expense of industry wide cooperation in turn engineers of new software code are richly rewarded but as weber shows in spite of the conventional wisdom that innovation is driven by the promise of individual and corporate wealth ensuring the free distribution of code among computer programmers can empower a more effective process for building intellectual products in the case of open source independent programmers sometimes hundreds or thousands of them make unpaid contributions to software that develops organically through trial and error weber argues that the success of open source is not a freakish exception to economic principles the open source community is guided by standards rules decisionmaking procedures and sanctioning mechanisms weber explains the political and economic dynamics of this mysterious but important market development table of contents preface 1 property and the problem of software 2 the early history of open source 3 what is open source and how does it work 4 a maturing model of production 5 explaining open source microfoundations 6 explaining open source macro organization 7 business models and the law 8 the code that changed the world notes index reviews of this book in the world of open source software true believers can be a fervent bunch linux for example may act as a credo as well as an operating system but there is much substance beyond zealotry says steven weber the author of the success of open source an open source operating system offers its source code

up to be played with extended debugged and otherwise tweaked in an orgy of user collaboration the author traces the roots of that ethos and process in the early years of computers he also analyzes the interface between open source and the worlds of business and law as well as wider issues in the clash between hierarchical structures and networks a subject with relevance beyond the software industry to the war on terrorism nina c ayoub chronicle of higher education reviews of this book a valuable new account of the open source software movement edward rothstein new york times we can blindly continue to develop reward protect and organize around knowledge assets on the comfortable assumption that their traditional property rights remain inviolate or we can listen to steven weber and begin to make our peace with the uncomfortable fact that the very foundations of our familiar knowledge as property world have irrevocably shifted alan kantrow chief knowledge officer monitor group ever since the invention of agriculture human beings have had only three social engineering tools for organizing any large scale division of labor markets and the carrots of material benefits they offer hierarchies and the sticks of punishment they impose and charisma and the promises of rapture they offer now there is the possibility of a fourth mode of effective social organization one that we perhaps see in embryo in the creation and maintenance of open source software my berkeley colleague steven weber s book is a brilliant exploration of this fascinating topic j bradford delong department of economics university of california at berkeley steven weber has produced a significant insightful book that is both smart and important the most impressive achievement of this volume is that weber has spent the time to learn and think about the technological sociological business and legal perspectives related to open source the success of open source is timely and more thought provoking than almost anything i ve come across in the past several years it deserves careful reading by a wide audience jonathan aronson annenberg school for communication university of southern california

The Janus Face of Commercial Open Source

Software Communities

2009-06-30

publisher description

The Success of Open Source

2006-08-04

the only guide to managing and integrating the open source model with the phenomenal success of linux companies are taking open source business solutions much more seriously than ever before this book helps to satisfy the growing demand for guidance on how to manage open source enterprise development projects expert jan sandred explores the open source philosophy describes current software tools for managing open source projects and provides expert guidance on how to organize and manage open source projects using the internet as a collaboration tool with the help of several fascinating and instructive case studies sandred explores practical concerns such as building motivating and managing virtual teams structuring tasks and meeting deadlines establishing trust project management software tools maintaining project security and more

The Economics of Open Source Software Development

2002-03-14

free open source enterprise resource planning systems fos erp are gaining popularity and acceptance due to two main factors their lack of licensing fees and customizability given this organizations are able to easily adopt and manipulate these systems to meet their individual needs free and open source enterprise resource planning systems and strategies unites research on fos erp comparing differences with proprietary enterprise resource planning products and demonstrating key research factors it includes cases demonstrating how small enterprises

have benefited from fos erp in spain and in belgium along with difficulties encountered and solutions developed this essential reference addresses key issues such as security and legal risks as well as challenges opportunities and barriers to adoption

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2011-12-31

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