

Online Library Version Control With Git Powerful Tools And Techniques For Collaborative Software Development By Jon Loeliger Matthew Mccullough 2nd Second Edition 2012

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Linux for Developers
GitBazaar Version Control
Pro Git
Introducing GitHub
Dynamic Documents with R and knitr
Professional Git
Git Version Control Cookbook
Jump Start Git
Git Version Control Cookbook
Efficient R Programming
Git Best Practices Guide
Mercurial: The Definitive Guide
Git for Teams
Mastering Git
Version Control with Git
Pro Git
Python Interactive Computing and Visualization Cookbook
GitHub Essentials
Git Pocket Guide
GitLab Quick Start Guide
Ruby on Rails Tutorial
Pragmatic Version Control Using Git
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Version Control with Git and GitHub
Git in Practice
Effective Computation in Physics
Modern JavaScript Web Development Cookbook
Beginning Git and GitHub
Version Control with Git
Git Essentials
Pragmatic Guide to Git
Subversion 1.6 Official Guide
Version Control with Git
Learn Git in a Month of Lunches
Learn Version Control With Git
Jump Start Git
ServiceNow: Building Powerful Workflows
Version Control by Example
Git: Mastering Version Control

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2nd Second Edition 2012
Linux for Developers

Get a Jump Start on version control with Git today! If you've worked on a web development project of any size, you've probably used Git, the most broadly adopted distributed version control system available. It enables you to store different versions of project files and directories, so you can roll back to an earlier one if something goes wrong. And since it's distributed, it smoothes the path for dev team collaboration. This short, practical book will help you to: Understand Git's core philosophy. Get started with Git: install it, learn the basic commands, and set up your first project. Work with Git as part of a collaborative team. Use Git's debugging tools for maximum debug efficiency. Master Git workflow Take control with Git's advanced features: reflog, rebase, stash, and more. Use Git with cloud-based Git repository host services like Github and Bitbucket. See how Git's used effectively on large open-source projects. Whether you're a Git newbie or you've been using it for some time but only really scratching the surface of its capabilities, this book will help you to gain a deep understanding of how Git works, and how to use it to streamline your workflow.

Git

Master the management of IT Service using full potential of ServiceNow. About This

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Book Leverage ServiceNow's capabilities to achieve improved service management and excellent results in your IT operations by following step-by-step, practical instructions Build core administration, management, and maintenance skills with IT service management and IT operations management Improve your workflow efficiency by designing and creating responsive and automated workflows Who This Book Is For This course is for IT professionals, ServiceNow administrators, and developers who would like to gain greater control of ServiceNow and its architecture to design and create automated workflows. You should be familiar with JavaScript and basic computing technologies, but you can be new to ServiceNow. What You Will Learn Acquire and configure your own free personal developer instance of ServiceNow Read (and write!) clear, effective requirements for ServiceNow development Avoid common pitfalls and missteps that could seriously impact future progress and upgradeability Use the ServiceNow plugins to manage development Build and publish custom applications for service management Write efficient and effective client-side JavaScript Find out how to authenticate and secure Web Services Integrate and exchange data with people and systems Create and secure your systems with proper access control In Detail ServiceNow is a SaaS application that provides workflow form-based applications. It is an ideal platform for creating enterprise-level applications, giving requesters and fulfillers improved visibility and access to a process. ServiceNow-based applications often replace email by providing a better way to get work done. This course will show you how to put important ServiceNow features to work in the real

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world. We will introduce key concepts and examples on managing and automating IT services, and help you build a solid foundation towards this new approach. You will then learn more about the power of tasks, events, and notifications. We'll then focus on using web services and other mechanisms to integrate ServiceNow with other systems. Further on, you'll learn how to secure applications and data, and understand how ServiceNow performs logging and error reporting. At the end of this course, you will acquire immediately applicable skills to rectify everyday problems encountered on the ServiceNow platform. The course provides you with highly practical content explaining ServiceNow from the following Packt books: Learning ServiceNow ServiceNow Cookbook Mastering ServiceNow, Second Edition Style and approach This pragmatic guide follows problem-solution based approach to help you configure the ServiceNow and eliminate the challenges faced when implementing and using ServiceNow. It enables you to configure and manage ServiceNow, and learn the fundamentals of the ServiceNow platform.

Bazaar Version Control

Provides information on using Git to track, merge, and manage software projects.

Pro Git

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This instructive book takes you step by step through ways to track, merge, and manage both open source and commercial software projects with Mercurial, using Windows, Mac OS X, Linux, Solaris, and other systems. Mercurial is the easiest system to learn when it comes to distributed revision control. And it's a very flexible tool that's ideal whether you're a lone programmer working on a small project, or part of a huge team dealing with thousands of files. Mercurial permits a countless variety of development and collaboration methods, and this book offers several concrete suggestions to get you started. This guide will help you: Learn the basics of working with a repository, changesets, and revisions Merge changes from separate repositories Set up Mercurial to work with files on a daily basis, including which ones to track Get examples and tools for setting up various workflow models Manage a project that's making progress on multiple fronts at once Find and fix mistakes by isolating problem sources Use hooks to perform actions automatically in response to repository events Customize the output of Mercurial Mercurial: The Definitive Guide maintains a strong focus on simplicity to help you learn Mercurial quickly and thoroughly.

Introducing GitHub

This pocket guide is the perfect on-the-job companion to Git, the distributed version control system. It provides a compact, readable introduction to Git for new users, as well as a reference to common commands and procedures for those of

you with Git experience. Written for Git version 1.8.2, this handy task-oriented guide is organized around the basic version control functions you need, such as making commits, fixing mistakes, merging, and searching history. Examine the state of your project at earlier points in time Learn the basics of creating and making changes to a repository Create branches so many people can work on a project simultaneously Merge branches and reconcile the changes among them Clone an existing repository and share changes with push/pull commands Examine and change your repository's commit history Access remote repositories, using different network protocols Get recipes for accomplishing a variety of common tasks

Dynamic Documents with R and knitr

If you're new to GitHub, this concise book shows you just what you need to get started and no more. It's perfect for project and product managers, stakeholders, and other team members who want to collaborate on a development project—whether it's to review and comment on work in progress or to contribute specific changes. It's also great for developers just learning GitHub. GitHub has rapidly become the default platform for software development, but it's also ideal for other text-based documents, from contracts to screenplays. This hands-on book shows you how to use GitHub's web interface to view projects and collaborate effectively with your team. Learn how and why people use GitHub to collaborate

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View the status of a project—recent changes, outstanding work, and historic changes Create and edit files through GitHub without learning Git Suggest changes to projects you don't have permission to edit directly Use tools like issues, pull requests, and branches to specify and collaborate on changes Create a new GitHub repository to control who has access to your project

Professional Git

Get up to speed on Git for tracking, branching, merging, and managing code revisions. Through a series of step-by-step tutorials, this practical guide takes you quickly from Git fundamentals to advanced techniques, and provides friendly yet rigorous advice for navigating the many functions of this open source version control system. This thoroughly revised edition also includes tips for manipulating trees, extended coverage of the reflog and stash, and a complete introduction to the GitHub repository. Git lets you manage code development in a virtually endless variety of ways, once you understand how to harness the system's flexibility. This book shows you how. Learn how to use Git for several real-world development scenarios Gain insight into Git's common-use cases, initial tasks, and basic functions Use the system for both centralized and distributed version control Learn how to manage merges, conflicts, patches, and diffs Apply advanced techniques such as rebasing, hooks, and ways to handle submodules Interact with Subversion (SVN) repositories—including SVN to Git conversions Navigate, use, and contribute

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to open source projects though GitHub

Git Version Control Cookbook

The book follows a Blended Learning Approach (Learning through multiple modes: Readers learn theory to understand the concept and reinforce it by practically doing it). The new concepts are introduced using examples of common day to day activities for quick realization spread across topics. For the computer literate who want to leverage the advantage of maintaining multiple versions of files/folders to go back and forth in time with respect to the files content. For developers, administrators, analysts, architects and any others who want to perform a simultaneous, collaborative or work in parallel on the same set of files.

Jump Start Git

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Used by sites as varied as Twitter, GitHub, Disney, and Airbnb, Ruby on Rails is one of the most popular frameworks for developing web applications, but it can be challenging to learn and use. Whether you're new to web development or new only to Rails, Ruby on Rails™ Tutorial, Fourth Edition, is the solution. Best-selling author

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and leading Rails developer Michael Hartl teaches Rails by guiding you through the development of three example applications of increasing sophistication. The tutorial's examples focus on the general principles of web development needed for virtually any kind of website. The updates to this edition include full compatibility with Rails 5, a division of the largest chapters into more manageable units, and a huge number of new exercises interspersed in each chapter for maximum reinforcement of the material. This indispensable guide provides integrated tutorials not only for Rails, but also for the essential Ruby, HTML, CSS, and SQL skills you need when developing web applications. Hartl explains how each new technique solves a real-world problem, and then he demonstrates it with bite-sized code that's simple enough to understand, yet novel enough to be useful. Whatever your previous web development experience, this book will guide you to true Rails mastery. This book will help you Install and set up your Rails development environment, including pre-installed integrated development environment (IDE) in the cloud Go beyond generated code to truly understand how to build Rails applications from scratch Learn testing and test-driven development (TDD) Effectively use the Model-View-Controller (MVC) pattern Structure applications using the REST architecture Build static pages and transform them into dynamic ones Master the Ruby programming skills all Rails developers need Create high-quality site layouts and data models Implement registration and authentication systems, including validation and secure passwords Update, display, and delete users Upload images in production using a cloud storage service Implement

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account activation and password reset, including sending email with Rails Add social features and microblogging, including an introduction to Ajax Record version changes with Git and create a secure remote repository at Bitbucket Deploy your applications early and often with Heroku

Git Version Control Cookbook

Over 90 recipes to help you write clean code, solve common JavaScript problems, and work on popular use cases like SPAs, microservices, native mobile development with Node, React, React Native and Electron. Key Features Over 90 practical recipes to help you write clean and maintainable JavaScript codes with the latest ES8 Leverage the power of leading web frameworks like Node and React to build modern web apps Features comprehensive coverage of tools and techniques needed to create multi-platform apps with JavaScript Book Description JavaScript has evolved into a language that you can use on any platform. Modern JavaScript Web Development Cookbook is a perfect blend of solutions for traditional JavaScript development and modern areas that developers have lately been exploring with JavaScript. This comprehensive guide teaches you how to work with JavaScript on servers, browsers, mobile phones and desktops. You will start by exploring the new features of ES8. You will then move on to learning the use of ES8 on servers (with Node.js), with the objective of producing services and microservices and dealing with authentication and CORS. Once you get

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accustomed to ES8, you will learn to apply it to browsers using frameworks, such as React and Redux, which interact through Ajax with services. You will then understand the use of a modern framework to develop the UI. In addition to this, development for mobile devices with React Native will walk you through the benefits of creating native apps, both for Android and iOS. Finally, you'll be able to apply your new-found knowledge of server-side and client-side tools to develop applications with Electron. What you will learn Use the latest features of ES8 and learn new ways to code with JavaScript Develop server-side services and microservices with Node.js Learn to do unit testing and to debug your code Build client-side web applications using React and Redux Create native mobile applications for Android and iOS with React Native Write desktop applications with Electron Who this book is for This book is for developers who want to explore the latest JavaScript features, frameworks, and tools for building complete mobile, desktop and web apps, including server and client-side code. You are expected to have working knowledge of JavaScript to get the most out of this book.

Efficient R Programming

Are you looking for a new version control system? Perhaps what you're using now is too cumbersome, or you just want to try something new to manage a pet project. With Git by Ryan Hodson, you can get up and running with one of the fastest-spreading revision control systems out there. Complete with vivid

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diagrams, clear code samples, and a careful walk-through of primary features, this free e-book is your quick guide to how Git operates, what its advantages are, and how you can incorporate it into your own workflow. This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject . We hope you find this book useful in shaping your future career & Business.

Git Best Practices Guide

Git is the version control system developed by Linus Torvalds for Linux kernel development. It took the open source world by storm since its inception in 2005, and is used by small development shops and giants like Google, Red Hat, and IBM, and of course many open source projects. A book by Git experts to turn you into a Git expert Introduces the world of distributed version control Shows how to build a Git development workflow

Mercurial: The Definitive Guide

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Get a Jump Start on version control with Git today! Most engineers we meet prefer Git over other distributed version control systems. These systems let you store different versions of project files and directories, so you can roll back to an earlier one if something goes wrong. And since they're distributed, they smooth the path for dev team collaboration. But what is it about Git that makes it mission-critical on so many web projects? Spend just one weekend with this hands-on tutorial, and you'll know the answer. Understand Git's core philosophy. Get started with Git: install it, learn the basic commands, and set up your first project. Work with Git as part of a collaborative team. Use Git's debugging tools for maximum debug efficiency. Take control with Git's advanced features: relog, rebase, stash, and more. Use Git with cloud-based Git repository host services like Github and Bitbucket. See how Git's used effectively on large open-source projects. Git was created by Linus Torvalds, who invented Linux, so it comes with the best credentials. What are you waiting for? Get a jump start on Git today.

Git for Teams

Are you looking for a new version control system? Perhaps what you're using now is too cumbersome, or you just want to try something new to manage a pet project. With Git by Ryan Hodson, you can get up and running with one of the fastest-spreading revision control systems out there. Complete with vivid diagrams, clear code samples, and a careful walk-through of primary features, this

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free e-book is your quick guide to how Git operates, what its advantages are, and how you can incorporate it into your own workflow. This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject . We hope you find this book useful in shaping your future career & Business.

Mastering Git

This book is a step-by-step tutorial for beginner to intermediate developers who want to get started with Bazaar quickly. This book is designed for anyone who may be new to version control systems. If you are a programmer, system administrator, designer, writer, or translator, you can benefit greatly from using Bazaar in your projects. Those who are familiar with version control systems will find this book a fast and easy way to understand Bazaar.

Version Control with Git

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There's a change in the air. High-profile projects such as the Linux Kernel, Mozilla, Gnome, and Ruby on Rails are now using Distributed Version Control Systems (DVCS) instead of the old stand-bys of CVS or Subversion. Git is a modern, fast, DVCS. But understanding how it fits into your development can be a daunting task without an introduction to the new concepts. Whether you're just starting out as a professional programmer or are an old hand, this book will get you started using Git in this new distributed world.

Pro Git

Attain expert-level proficiency with Git for enhanced productivity and efficient collaboration by mastering advanced distributed version control features About This Book Set up Git for solo and collaborative development Harness the full power of Git version control system to customize Git behavior, manipulate history, integrate external tools and explore platform shortcuts A detailed guide, which explains how to apply advanced Git techniques and workflows and ways to handle submodules Who This Book Is For If you are a Git user with reasonable knowledge of Git and familiarity with basic concepts such as branching, merging, staging, and workflows, this is the book for you. Basic knowledge of installing Git and software configuration management concepts is essential. What You Will Learn Explore project history, find revisions using different criteria, and filter and format how history looks Manage your working directory and staging area for commits and

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interactively create new revisions and amend them Set up repositories and branches for collaboration Submit your own contributions and integrate contributions from other developers via merging or rebasing Customize Git behavior system-wide, on a per-user, per-repository, and per-file basis Take up the administration and set up of Git repositories, configure access, find and recover from repository errors, and perform repository maintenance Chose a workflow and configure and set up support for the chosen workflow In Detail Git is one of the most popular types of Source Code Management (SCM) and Distributed Version Control System (DVCS). Despite the powerful and versatile nature of the tool enveloping strong support for nonlinear development and the ability to handle large projects efficiently, it is a complex tool and often regarded as “user-unfriendly”. Getting to know the ideas and concepts behind the architecture of Git will help you make full use of its power and understand its behavior. Learning the best practices and recommended workflows should help you to avoid problems and ensure trouble-free development. The book scope is meticulously designed to help you gain deeper insights into Git's architecture, its underlying concepts, behavior, and best practices. Mastering Git starts with a quick implementation example of using Git for a collaborative development of a sample project to establish the foundation knowledge of Git operational tasks and concepts. Furthermore, as you progress through the book, the tutorials provide detailed descriptions of various areas of usage: from archaeology, through managing your own work, to working with other developers. This book also helps augment your understanding to

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examine and explore project history, create and manage your contributions, set up repositories and branches for collaboration in centralized and distributed version control, integrate work from other developers, customize and extend Git, and recover from repository errors. By exploring advanced Git practices, you will attain a deeper understanding of Git's behavior, allowing you to customize and extend existing recipes and write your own. Style and approach Step-by-step instructions and useful information make this book the ultimate guide to understanding and mastering Git. This book will show road to mastery example by example, while explaining mental model of Git. The Introduction section covers the 'Essentials' just for refreshing the basics. The main highlight is that the concepts are based on HOW the technology/framework works and not just practical 'WHAT to do'.

IPython Interactive Computing and Visualization Cookbook

This book will teach you what you need to know to start using GitHub effectively for collaborating and working on your software projects. Key Features Effectively use GitHub by learning its key features to leverage the power of Git and make collaboration on code easy to work with. Be more productive on the development workflow of your projects using the valuable toolset that GitHub provides. Explore the world of GitHub by following simple, step-by-step, real-world scenarios accompanied by helpful, explanatory screenshots. Book Description Whether you are an experienced developer or a novice, learning to work with Version Control

Systems is a must in the software development world. Git is the most popular tool for that purpose, and GitHub was built around it, leveraging its powers by bringing it to the web. Starting with the basics of creating a repository, you will then learn how to manage the issue tracker, the place where discussions about your project take place. Continuing our journey, we will explore how to use the wiki and write rich documentation that will accompany your project. You will also master organization/team management and some of the features that made GitHub so well known, including pull requests. Next, we will focus on creating simple web pages hosted on GitHub and lastly, we will explore the settings that are configurable for a user and a repository. What you will learn Create and upload repositories to your account Create organizations and manage teams with different access levels on repositories Use the issue tracker effectively and add context to issues with labels and milestones Create, access, and personalize your user account and profile settings Build a community around your project using the sophisticated tools GitHub provides Create GitHub pages and understand web analytics Who this book is for This book is for experienced or novice developers with a basic knowledge of Git. If you ever wanted to learn how big projects such as Twitter, Google, or even GitHub collaborate on code, then this book is for you.

GitHub Essentials

More physicists today are taking on the role of software developer as part of their

research, but software development isn't always easy or obvious, even for physicists. This practical book teaches essential software development skills to help you automate and accomplish nearly any aspect of research in a physics-based field. Written by two PhDs in nuclear engineering, this book includes practical examples drawn from a working knowledge of physics concepts. You'll learn how to use the Python programming language to perform everything from collecting and analyzing data to building software and publishing your results. In four parts, this book includes: Getting Started: Jump into Python, the command line, data containers, functions, flow control and logic, and classes and objects Getting It Done: Learn about regular expressions, analysis and visualization, NumPy, storing data in files and HDF5, important data structures in physics, computing in parallel, and deploying software Getting It Right: Build pipelines and software, learn to use local and remote version control, and debug and test your code Getting It Out There: Document your code, process and publish your findings, and collaborate efficiently; dive into software licenses, ownership, and copyright procedures

Git Pocket Guide

A series of practical recipes to simplify the Git learning experience and increase your productivity when using Git version control Key Features Explore practical recipes to use Git's most advanced features Learn how Git references its objects

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and how history is recorded Use `reflog` and `git fsck` to recover lost information Book Description Git is one of the most popular tools for versioning. Git Version Control Cookbook builds on the success of the previous edition and provides you with an up-to-date guide to solving problems related to versioning. You'll start by learning about the Git data model and how it stores files and looks at commits. By using simple commands, you'll learn how to navigate through the database. Once you have accustomed yourself to the basics, you'll explore techniques to configure Git with comprehensive examples and configuration targets. You'll gain insights into improving your understanding of branches and recovery from mistakes — right from committing to a wrong branch to recovering lost commits or files. You'll then move on to discovering the features that Git rebase has to offer and use regular Git merge on other branches. You'll explore Git notes and learn how to utilize the `update`, `list`, and `search` commands. In addition to this, you'll learn how to extract metadata from repositories and automate your daily tasks using Git hooks. You'll then study in detail repository maintenance, patching, and offline sharing. By the end of the book, you'll have grasped various tips and tricks for everyday usage, while increasing your knowledge of Git providers, integrations, and clients. What you will learn Understand the Git data model and use commands to navigate the database Find out how you can recover lost commits or files Force a rebase on some branches and use regular Git to merge on the rest Master the techniques required to extract metadata from repositories Explore Git notes and learn about the various features that it offers See how to decode different subcommands Who

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this book is for The Git Version Control Cookbook is for you if you are a developer or Build Release manager looking for a full-fledged practical guide that will take your Git knowledge to the next level. Basic knowledge of GNU tools and shell or bash scripting is needed.

GitLab Quick Start Guide

Quickly and Easily Write Dynamic Documents Suitable for both beginners and advanced users, Dynamic Documents with R and knitr, Second Edition makes writing statistical reports easier by integrating computing directly with reporting. Reports range from homework, projects, exams, books, blogs, and web pages to virtually any documents related to statistical graphics, computing, and data analysis. The book covers basic applications for beginners while guiding power users in understanding the extensibility of the knitr package. New to the Second Edition A new chapter that introduces R Markdown v2 Changes that reflect improvements in the knitr package New sections on generating tables, defining custom printing methods for objects in code chunks, the C/Fortran engines, the Stan engine, running engines in a persistent session, and starting a local server to serve dynamic documents Boost Your Productivity in Statistical Report Writing and Make Your Scientific Computing with R Reproducible Like its highly praised predecessor, this edition shows you how to improve your efficiency in writing reports. The book takes you from program output to publication-quality reports,

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Ruby on Rails Tutorial

Learn everything you need to take full control of your workflow with Git with this curated Learning Path – dive in and transform the way you work About This Book Master all the basic concepts of Git to protect your code and make it easier to evolve Filled with practical recipes that will teach you how to use the most advanced features of the Git system Harness the full power of the Git version control system to customize Git behavior, manipulate history, integrate external tools, and explore platform shortcuts Who This Book Is For This learning path is for software developers who want to become proficient at using the Git version control system. A basic understanding of any version control system would be beneficial. What You Will Learn Transport your work to a remote repository in a centralized manner Experiment with your code without affecting functional code files Explore some tools used to migrate to Git from other versioning systems without losing your development history Understand the Git data model and how you can navigate the database with simple commands Debug with Git and use various techniques to find faulty commits Customize Git behavior system-wide, on a per-user, per-repository, and per-file basis Master administering and setting up Git repositories, configuring access, finding and recovering from repository errors, and performing repository maintenance Chose a workflow and configure/set up support

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for the chosen workflow In Detail Git is one of the most popular types of Distributed Version Control System. Since its inception, it has attracted skilled developers due to its robust, powerful, and reliable features. Like most powerful tools, Git can be hard to approach for the newcomers. However, this learning path will help you overcome this fear and become adept at all the basic and advanced tasks in Git. This course starts with an introduction to version control systems before you delve deeply into the essentials of Git. This serves as a primer for the topics to follow such as branching and merging, creating and managing a GitHub personal repository, and fork and pull requests. You'll also learn how to migrate from SVN using Git tools or TortoiseGit and migrate from other VCSs, concluding with a collection of resources, links, and appendices. As you progress on to the next module, you will learn how you can automate the usual Git processes by utilizing the hook system built into Git. It also covers advanced repository management, including different options to rewrite the history of a Git repository before you discover how you can work offline with Git, how to track what is going on behind the scenes, and how to use the stash for different purposes. Moving forward, you will gain deeper insights into Git's architecture, its underlying concepts, behavior, and best practices. It gives a quick implementation example of using Git for a collaborative development of a sample project to establish the foundation knowledge of Git operational tasks and concepts. By exploring advanced Git practices, you will attain a deeper understanding of Git's behavior, allowing you to customize and extend existing recipes and write your own. This Learning Path is a

blend of content, all packaged up keeping your journey in mind. It includes content from the following Packt products: Git Essentials, Ferdinando Santacroce Git Version Control Cookbook, Aske Olsson and Rasmus Voss Mastering Git, Jakub Narebski Style and approach Its step-by-step approach with useful information makes this course the ultimate guide to understanding and mastering Git. This course will show the road to mastery example by example, while also explaining the mental model of Git.

Pragmatic Version Control Using Git

Port projects over from GitHub and convert SVN projects to GitLab hosted git projects Key Features Effective guide for GitLab migration from GitHub and SVN Learn to implement DevOps with GitLab 11 Manage projects with issue boards and time tracking Book Description Gitlab is an open source repository management and version control toolkit with an enterprise offering. This book is the ideal guide to GitLab as a version control system (VCS), issue management tool, and a continuous integration platform. The book starts with an introduction to GitLab, a walkthrough of its features, and explores concepts such as version control systems, continuous integration, and continuous deployment. It then takes you through the process of downloading and installing a local copy of the on-premise version of GitLab in Ubuntu and/or CentOS. You will look at some common workflows associated with GitLab workflow and learn about project management in

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GitLab. You will see tools and techniques for migrating your code base from various version control systems such as GitHub and SVN to GitLab. By the end of the book, you will be using Gitlab for repository management, and be able to migrate projects from other VCSs to GitLab. What you will learn Set up CI and test builds for your projects Understand the benefits and limitations of GitLab workflow Migrate from other common VCS platforms to Gitlab Create, review, and merge code changes Learn to branch local code and create a new branch in GitLab Configure sequential stages and simultaneous stages for CI/CD Access Mattermost for on-premise GitLab Discover the issue tracking features of GitLab Who this book is for The book is intended for the developers, SREs, and DevOps professionals who are looking for techniques to port their codebase to GitLab from GitHub or are looking to work with GitLab as their version control system of choice. If you've used other VCSs before, that will help with this book.

Version Control with Git

Linux for Developers shows you how to start writing great code for Linux, whether you're a Linux user with little or no coding experience, or an experienced Windows programmer. Leading IT trainer/author William "Bo" Rothwell begins with a clear and up-to-date review of modern open source software, including the licensing arrangements and tradeoffs all developers need to understand. He presents essential skills for both Linux command line and GUI environments, introducing

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text editors and other tools for efficient coding. Building on this knowledge, Rothwell introduces scripting tools such as Bash, Python, and Perl, as well as traditional object-oriented programming languages such as Java, C++, and C. Finally, he presents a full section on the powerful Git version control system, teaching skills you can use in Linux and many other environments. Access Linux systems, use GUIs, and work at the command line Learn how Linux organizes files and navigate its filesystem Use basic developer commands such as gzip and grep Edit programs with vi and vim, and explore alternative editors Perform basic sysadmin tasks that developers often need to handle Compare Linux languages to choose the best one for each task Write Bash scripts that interact with users or other shell features Program with Python and Perl: flow control, variables, and more Understand Linux features related to building C, C++, and Java programs Stay on top of complex projects with GIT revision control Work in GIT: staging, committing, branches, diffs, merges, and patches Manage local and remote GIT repositories This guide's modular coverage helps you quickly access whatever information you need right now.

Version Control with Git and GitHub

Annotation A guide to the popular version control system, this book walks Git users through the source control implications of how a team is structured, and how the software is delivered to clients. The book then covers not just how to use popular

work flow strategies, such as GitFlow, but why, and under what circumstances, these strategies should be applied.

Git in Practice

You won't find a top programmer, web developer, or web designer who doesn't use version control. Because it helps you produce better results and makes collaboration easy. Git is one of those version control systems - but not just any: Top projects like the Linux Kernel, Ruby On Rails, or jQuery use Git as their version control system of choice. Around the world, in teams large and small, Git is an essential part of the tool chain. Get up to speed on Git for tracking, branching, merging, and managing code revisions. Through a series of step-by-step tutorials, this practical guide takes you quickly from Git fundamentals to advanced techniques, and provides friendly yet rigorous advice for navigating the many functions of this open source version control system. Git lets you manage code development in a virtually endless variety of ways, once you understand how to harness the system's flexibility. This book "Version Control with Git: Powerful Collaborative Software Development for Version Control, Project Management, and Teamwork" shows you how. -Track and revise code using Git-Learn how to use Git for several real-world development scenarios-Gain insight into Git's common-use cases, initial tasks, and basic functions-Use the system for both centralized and distributed version control-Learn how to manage merges, conflicts, patches, and

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diffs-Push (upload) code to GitHub-Interact with Subversion (SVN) repositories- including SVN to Git conversions-Navigate, use, and contribute to open source projects though GitHubWhat you'll learn: Table of Contents.Chapter 1. Introduction to DevOpsChapter 2. Git - Environment SetupChapter 3. Git - Review ChangesChapter 4. Git - Stash OperationChapter 5. Git - Tag OperationChapter 6. Git - Handling ConflictsChapter 7. ConclusionABOUT THE AUTHOROTHER BOOKS BY MOUBACHIR MADANI FADOUL Click the BUY button now and download the book now to start learning Version Control with Git. Learn it fast and learn it well.

Effective Computation in Physics

Summary Learn Git in a Month of Lunches introduces the discipline of source code control using Git. Whether you're a newbie or a busy pro moving your source control to Git, you'll appreciate how this book concentrates on the components of Git you'll use every day. In easy-to-follow lessons designed to take an hour or less, you'll dig into Git's distributed collaboration model, along with core concepts like committing, branching, and merging. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book Git is the source code control system preferred by modern development teams. Its decentralized architecture and lightning-fast branching let you concentrate on your code instead of tedious version control tasks. At first, Git may seem like a sprawling beast. Fortunately, to get started you just need to master a few essential

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techniques. Read on! Learn Git in a Month of Lunches introduces the discipline of source code control using Git. Helpful for both newbies who have never used source control and busy pros, this book concentrates on the components of Git you'll use every day. In easy-to-follow lessons that take an hour or less, you'll dig into Git's distributed collaboration model, along with core concepts like committing, branching, and merging. This book is a road map to the commands and processes you need to be instantly productive. What's Inside Start from square one—no experience required The most frequently used Git commands Mental models that show how Git works Learn when and how to branch code About the Reader No previous experience with Git or other source control systems is required. About the Author Rick Umali uses Git daily as a developer and is a skilled consultant, trainer, and speaker. Table of Contents Before you begin An overview of Git and version control Getting oriented with Git Making and using a Git repository Using Git with a GUI Tracking and updating files in Git Committing parts of changes The time machine that is Git Taking a fork in the road Merging branches Cloning Collaborating with remotes Pushing your changes Keeping in sync Software archaeology Understanding git rebase Workflows and branching conventions Working with GitHub Third-party tools and Git Sharpening your Git

Modern JavaScript Web Development Cookbook

Get up to speed on Git for tracking, branching, merging, and managing code

revisions. Through a series of step-by-step tutorials, this practical guide takes you quickly from Git fundamentals to advanced techniques, and provides friendly yet rigorous advice for navigating the many functions of this open source version control system. This thoroughly revised edition also includes tips for manipulating trees, extended coverage of the relog and stash, and a complete introduction to the GitHub repository. Git lets you manage code development in a virtually endless variety of ways, once you understand how to harness the system's flexibility. This book shows you how. Learn how to use Git for several real-world development scenarios Gain insight into Git's common-use cases, initial tasks, and basic functions Use the system for both centralized and distributed version control Learn how to manage merges, conflicts, patches, and diffs Apply advanced techniques such as rebasing, hooks, and ways to handle submodules Interact with Subversion (SVN) repositories—including SVN to Git conversions Navigate, use, and contribute to open source projects though GitHub

Beginning Git and GitHub

If you are a software developer with little or no experience of versioning systems, or are familiar with other centralized versioning systems, then this book is for you. If you have some experience working with command lines or using Linux admin or just using Unix and want to know more about Git, then this book is ideal for you.

Version Control with Git

This is the official guide and reference manual for Subversion 1.6 - the popular open source revision control technology.

Git Essentials

This practical guide contains a wide variety of recipes, taking you through all the topics you need to know about to fully utilize the most advanced features of the Git system. If you are a software developer or a build and release engineer who uses Git in your daily work and want to take your Git knowledge to the next level, then this book is for you. To understand and follow the recipes included in this book, basic knowledge of Git command-line code is mandatory.

Pragmatic Guide to Git

If you are a developer and you want to completely master Git without heavy theory, this is the book for you. A reasonable knowledge level and basic understanding of Git concepts will get you started with this book.

Subversion 1.6 Official Guide

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Intended to anyone interested in numerical computing and data science: students, researchers, teachers, engineers, analysts, hobbyists Basic knowledge of Python/NumPy is recommended. Some skills in mathematics will help you understand the theory behind the computational methods.

Version Control with Git

Learn Git in a Month of Lunches

Learn to create and enforce checks and controls for tracking, merging, and approval of changes in your source code Key Features Explore version control, its importance, and usage Learn to use Git individually and as part of a team Understand debugging, maintenance, and deployment with Git and GitHub Book Description Introduction to Git and GitHub begins with setting up and configuring Git on your computer along with creating a repository and using it for exercises throughout the book. With the help of multiple activities, you'll learn concepts that show various stages of a file—from when it is untracked to when it is set for tracking under version control. As you make your way through the chapters, you'll learn to navigate through the history of a repository, fetch and deliver code to GitHub, and undo code changes. The first half of the book ends with you learning

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to work with branches, storing and retrieving changes temporarily, and merging the desired changes into a repository. In the second half, you'll learn about forking as part of a collaborative workflow. You'll also address modularity and duplication through submodules, tracing and rectifying faulty changes, and maintaining repositories. By the end of this book, you will have learned how to effectively deploy applications using GitHub. What you will learn Understand and implement best practices in version control Explain the GitHub User Interface Understand what is Feature Branch Workflow and implement its features Use forking features, such as submodules and rebasing Master commands for debugging and maintaining a repository Implement continuous integration with CircleCi or TravisCi Gain insight into release management and how GitHub enables software releases Who this book is for If you want to migrate from other version control tools or want to learn more about Git, Introduction to Git and GitHub is for you. Prior experience in coding or familiarity with using the Bash command line interface will help you easily grasp concepts.

Learn Version Control With Git

Pro Git (Second Edition) is your fully-updated guide to Git and its usage in the modern world. Git has come a long way since it was first developed by Linus Torvalds for Linux kernel development. It has taken the open source world by storm since its inception in 2005, and this book teaches you how to use it like a

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pro. Effective and well-implemented version control is a necessity for successful web projects, whether large or small. With this book you'll learn how to master the world of distributed version workflow, use the distributed features of Git to the full, and extend Git to meet your every need. Written by Git pros Scott Chacon and Ben Straub, *Pro Git (Second Edition)* builds on the hugely successful first edition, and is now fully updated for Git version 2.0, as well as including an indispensable chapter on GitHub. It's the best book for all your Git needs.

Jump Start Git

Leverage the power of Git to smooth out the development cycle *Professional Git* takes a professional approach to learning this massively popular software development tool, and provides an up-to-date guide for new users. More than just a development manual, this book helps you get into the Git mindset—extensive discussion of corollaries to traditional systems as well as considerations unique to Git help you draw upon existing skills while looking out—and planning for—the differences. Connected labs and exercises are interspersed at key points to reinforce important concepts and deepen your understanding, and a focus on the practical goes beyond technical tutorials to help you integrate the Git model into your real-world workflow. Git greatly simplifies the software development cycle, enabling users to create, use, and switch between versions as easily as you switch between files. This book shows you how to harness that power and flexibility to

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streamline your development cycle. Understand the basic Git model and overall workflow Learn the Git versions of common source management concepts and commands Track changes, work with branches, and take advantage of Git's full functionality Avoid trip-ups and missteps common to new users Git works with the most popular software development tools and is used by almost all of the major technology companies. More than 40 percent of software developers use it as their primary source control tool, and that number continues to grow; the ability to work effectively with Git is rapidly approaching must-have status, and Professional Git is the comprehensive guide you need to get up to speed quickly.

ServiceNow: Building Powerful Workflows

Need to learn how to wrap your head around Git, but don't need a lot of hand holding? Grab this book if you're new to Git, not to the world of programming. Git tasks displayed on two-page spreads provide all the context you need, without the extra fluff.

Version Control by Example

Learn the fundamentals of version control through step-by-step tutorials that will teach you the ins-and-outs of Git. This book is your complete guide to how Git and

GitHub work in a professional team environment. Divided into three parts – Version Control, Project Management and Teamwork – this book reveals what waits for you in the real world and how to resolve the problems you may run into. Once past the basics of Git, you'll see how to manage a software project, and finally how to utilize Git and GitHub to work effectively as a team. You'll examine how to plan, follow and execute a project with GitHub, and then apply those concepts to real-world situations. Workaround the pitfalls that most programmers fall into when driving a project with Git by using proven tactics to avoid them. You will also be taught the easiest and quickest ways to resolve merge conflicts. A lot of modern books on Git don't go into depth about non-technical topics. Beginning Git and GitHub will help you cover all the bases right at the start of your career. What You'll Learn Review basic and advanced concepts of Git Apply Project Management skills using GitHub Solve conflicts or, ideally, avoid them altogether Use advanced concepts for a more boosted workflow Who This book Is For New developers, developers that have never worked in a team environment before, developers with basic knowledge of Git or GitHub, or anyone who works with text documents.

Git: Mastering Version Control

There are many excellent R resources for visualization, data science, and package development. Hundreds of scattered vignettes, web pages, and forums explain how to use R in particular domains. But little has been written on how to simply

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make R work effectively—until now. This hands-on book teaches novices and experienced R users how to write efficient R code. Drawing on years of experience teaching R courses, authors Colin Gillespie and Robin Lovelace provide practical advice on a range of topics—from optimizing the set-up of RStudio to leveraging C++—that make this book a useful addition to any R user’s bookshelf. Academics, business users, and programmers from a wide range of backgrounds stand to benefit from the guidance in Efficient R Programming. Get advice for setting up an R programming environment Explore general programming concepts and R coding techniques Understand the ingredients of an efficient R workflow Learn how to efficiently read and write data in R Dive into data carpentry—the vital skill for cleaning raw data Optimize your code with profiling, standard tricks, and other methods Determine your hardware capabilities for handling R computation Maximize the benefits of collaborative R programming Accelerate your transition from R hacker to R programmer

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