Eclipse Ide Manual

A Manual of Chinese MetaphorJava ProgrammingEMFEclipse DistilledEclipse For DummiesSystems Architecture Modeling with the Arcadia MethodMastering Software Variability with FeatureIDEJavaScript & jQuery: The Missing ManualEclipse Rich Client PlatformBook of VaadinAltova® MapForce® 2011 User & Reference ManualThe Java EE 7 TutorialEclipse 3Introduction to JVM LanguagesAltova® UModel® 2011 User & Reference ManualDeveloping Programming Courses with Moodle and VPLImplementing Domain-Specific Languages with Xtext and XtendJava Methods, Second AP EditionEclipse in ActionAdobe ColdFusion AnthologyThe Definitive Guide to JythonBuilding Embedded Linux SystemsMonoStream Processing with Apache FlinkApache Maven CookbookPHP & MySQL: The Missing ManualIntroduction to Programming Using PythonProgramming AndroidJava EE Development with EclipseEclipse IDE Pocket GuideAndroid Apps with EclipseProgramming AndroidEclipseYocto Project Development ManualEclipse Web Tools PlatformExploring Raspberry PiJavaScript & jQuery: The Missing ManualEffective JavaApache Solr EssentialsPowers' Central Station Directory and Buyers' Manual

A Manual of Chinese Metaphor

To observe an eclipse is to witness a rare and unusual event. Under darkened skies the sun becomes a negative image of itself, its corona transforming the landscape into a strange space where anything might happen, and any story may be true In the spirit of classic science fiction anthologies such as Universe, Orbit, and Starlight, master anthologist Jonathan Strahan (The Best Science Fiction and Fantasy of the Year) presents the non-themed genre anthology Eclipse: New Science Fiction and Fantasy. Here you will find stories where strange and wonderful things happen--where reality is eclipsed by something magical and new. Continuing in the footsteps of the multiple-award-nominated anthologies Eclipse One and Eclipse Two, Eclipse Three delivers new fiction by some of the genre's most celebrated authors, including Karen Joy Fowler's story of a family's desperation and a rebellious young woman's strange incarceration; Ellen Klages's fable of a practical girl, an unusual tortoise, and an ancient mathematical puzzle; Pat Cadigan's story of a mysterious photograph and two friends' journey through space and time in order to solve its riddle; Jeffrey Ford's tale of a legendary sword imbued with the power to turn flesh to coral, and of the artist that wields it; Daniel Abraham's story of divine providence, sacred oaths, and the omens that indicate whether a man is fit to be king; and Caitlin R. Kiernan's chronicle of an astronaut whose memories of a lover lost to an alien intelligence haunt her.

Java Programming

Java programmers know how finicky Java can be to work with. An omitted semi-colon or the slightest typo will cause the Java command-line compiler to spew pages of annoying error messages across your screen. And it doesn't fix them--that's up to you: fix them, compile again, and hope that nothing goes wrong this time.Eclipse, the popular Java integrated development environment (IDE) provides an elegant and powerful remedy for this common, frustrating scenario. It

doesn't just catch your errors before you compile, it also suggests solutions. All you need to do is point and click. And it's free--what could be better? Still, if you're like most programmers, mastering a new technology--no matter how productive it will make you in the long run--is going to take a chunk out of your productivity now. You want to get up to speed quickly without sacrificing efficiency.O'Reilly's new guide to the technology, Eclipse, provides exactly what you're looking for: a fast-track approach to mastery of Eclipse. This insightful, hands-on book delivers clear and concise coverage, with no fluff, that gets down to business immediately. The book is tightly focused, covering all aspects of Eclipse: the menus, preferences, views, perspectives, editors, team and debugging techniques, and how they're used every day by thousands of developers. Development of practical skills is emphasized with dozens of examples presented throughout the book.From cover-to-cover, the book is pure Eclipse, covering hundreds of techniques beginning with the most basic Java development through creating your own plug-in editors for the Eclipse environment. Some of the topics you'll learn about include: Using Eclipse to develop Java code Testing and debugging Working in teams using CVS Building Eclipse projects using Ant The Standard Widget Toolkit (SWT) Web development Developing Struts applications with Eclipse From basics to advanced topics, Eclipse takes you through the fundamentals of Eclipse and more. You may be an Eclipse novice when you pick up the book, but you'll be a pro by the time you've finished.

EMF

Adobe ColdFusion remains one of today’s significant Web services tools and frameworks, and stands to become even more important as a possible primary tool for cloud development as well. As important as ColdFusion is and continues to become, we thought it would be a good idea to tap the leading authority on ColdFusion, the Fusion Authority. We asked this community to compile the most important issues in their developer and user experiences into one single volume—an anthology of the most current technical articles published in the Fusion Authority Quarterly Update. In it, you’ll get the following: The best and brightest ColdFusion expertise available today, from inside and outside of Adobe The most up-to-date content with the latest releases of ColdFusion Case studies and instances where ColdFusion is used in cloud-based development Rather than take a soup-to-nuts approach that covers every single topic, including those that most people have learned already, this book takes specific items of interest and explains them so that you can hit the ground running, rather than having to wait until you’ve read the entire book.

Eclipse Distilled

Discover WTP, the New End-to-End Toolset for Java-Based Web Development The Eclipse Web Tools Platform (WTP) seamlessly integrates all the tools today’s Java Web developer needs. WTP is both an unprecedented Open Source resource for working developers and a powerful foundation for state-of-the-art commercial products. Eclipse Web Tools Platform offers in-depth descriptions of every tool included in WTP, introducing powerful capabilities never before available in Eclipse. The authors cover the entire Web development process–from defining Web application architectures and development processes through testing and beyond. And if you’re seeking to extend WTP, this book provides an introduction to the

platform’s rich APIs. The book also Presents step-by-step coverage of developing persistence, business logic, and presentation tiers with WTP and Java Introduces best practices for multiple styles of Web and Java EE development Demonstrates JDBC database access and configuration Shows how to configure application servers for use with WTP Walks through creating Web service application interfaces Covers automated testing with JUnit and Cactus, and automated builds utilizing Ant, Maven, and CruiseControl Introduces testing and profiling Web applications with the Eclipse Test and Performance Tools Platform (TPTP) project Describes how to extend WTP with new servers, file types, and WSDL extensions Foreword Preface Acknowledgments About the Authors Part I: Getting Started Chapter 1: Introduction Chapter 2: About the Eclipse Web Tools Platform Project Chapter 3: Quick Tour Chapter 4: Setting Up Your Workspace Part II: Java Web Application Development Chapter 5: Web Application Architecture and Design Chapter 6: Organizing Your Development Project Chapter 7: The Presentation Tier Chapter 8: The Business Logic Tier Chapter 9: The Persistence Tier Chapter 10: Web Services Chapter 11: Testing Part III: Extending WTP Chapter 12: Adding New Servers Chapter 13: Supporting New File Types Chapter 14: Creating WSDL Extensions Chapter 15: Customizing Resource Resolution Part IV: Products and Plans Chapter 16: Other Web Tools Based on Eclipse Chapter 17: The Road Ahead Glossary References Index This book is an invaluable resource for every Eclipse and enterprise Java Web developer: both those who use Eclipse to build other Web applications, and those who build Eclipse technologies into their own products. Complete source code examples are available at www.eclipsewtp.org.

Eclipse For Dummies

If you can build websites with CSS and JavaScript, this book takes you to the next level—creating dynamic, database-driven websites with PHP and MySQL. Learn how to build a database, manage your content, and interact with users. With step-by-step tutorials, this completely revised edition gets you started with expanded coverage of the basics and takes you deeper into the world of server-side programming. The important stuff you need to know: Get up to speed quickly. Learn how to install PHP and MySQL, and get them running on both your computer and a remote server. Gain new techniques. Take advantage of the all-new chapter on integrating PHP with HTML web pages. Manage your content. Use the file system to access user data, including images and other binary files. Make it dynamic. Create pages that change with each new viewing. Build a good database. Use MySQL to store user information and other data. Keep your site working. Master the tools for fixing things that go wrong. Control operations. Create an administrative interface to oversee your site.

Systems Architecture Modeling with the Arcadia Method

Provides a thorough guide to using Eclipse features and plugins effectively in the context of real-world Java development.

Mastering Software Variability with FeatureIDE

JavaScript lets you supercharge your HTML with animation, interactivity, and visual

effects—but many web designers find the language hard to learn. This easy-to-read guide not only covers JavaScript basics, but also shows you how to save time and effort with the jQuery and jQuery UI libraries of prewritten JavaScript code. You'll build web pages that feel and act like desktop programs—with little or no programming. The important stuff you need to know: Pull back the curtain on JavaScript. Learn how to build a basic program with this language. Get up to speed on jQuery. Quickly assemble JavaScript programs that work well on multiple web browsers. Transform your user interface. Learn jQuery UI, the JavaScript library for interface features like design themes and controls. Make your pages interactive. Create JavaScript events that react to visitor actions. Use animations and effects. Build drop-down navigation menus, pop-ups, automated slideshows, and more. Collect data with web forms. Create easy-to-use forms that ensure more accurate visitor responses. Practice with living examples. Get step-by-step tutorials for web projects you can build yourself.

JavaScript & jQuery: The Missing Manual

A step-by-step guide that enables you to quickly implement a DSL with Xtext and Xtend in a test-driven way with the aid of simplified examples.This book is for programmers who want to learn about Xtext and how to use it to implement a DSL (or a programming language) together with Eclipse IDE tooling. It assumes that the user is familiar with Eclipse and its functionality. Existing basic knowledge of a compiler implementation would be useful, though not strictly required, since the book will explain all the stages of the development of a DSL.

Eclipse Rich Client Platform

Jython is an open source implementation of the high-level, dynamic, object-oriented scripting language Python seamlessly integrated with the Java platform. The predecessor to Jython, JPython, is certified as 100% Pure Java. Jython is freely available for both commercial and noncommercial use and is distributed with source code. Jython is complementary to Java. The Definitive Guide to Jython, written by the official Jython team leads, covers Jython 2.5 (or 2.5.x)—from the basics to more advanced features. This book begins with a brief introduction to the language and then journeys through Jython's different features and uses. The Definitive Guide to Jython is organized for beginners as well as advanced users of the language. The book provides a general overview of the Jython language itself, but it also includes intermediate and advanced topics regarding database, web, and graphical user interface (GUI) applications; Web services/SOA; and integration, concurrency, and parallelism, to name a few.

Book of Vaadin

This is a book for people who teach programming. We have been using Moodle/VPL in Computer Sciences and Engineering courses at UFSC for some years now and this book reflects our experiences. It is not only a step-by-step manual for the novice teacher wanting to start to use VPL in her lectures, but also a detailed report, describing experiences that anyone can reproduce, showing all the possibilities that VPL can offer in conjunction with Moodle. In this book we will go

step-by-step through the whole process of building and configuring programming assignments using VPL: - beginning at the simplest programming exercise, where VPL acts simply as an homogeneous, Moodle-integrated programming and running environment and allows the teacher to plan and perform both lab activities that require student attendance and assignments for distance courses, without worrying if the required IDE, compiler or operating system version is properly installed at the lab or the student's home, - up to complex programming projects where VPL controls a set of source code files, some provided by the teacher and some developed by the student, acts as coding style and plagiarism judge and automatically evaluates and grades the projects, running tests based upon a set of test cases developed by the teacher. "I believe this book will mark a breakthrough in the material available for professors who would like to start using VPL. The book may also be valuable for those who are currently using the tool, showing them many utilities that probably they have never imagined. From my point of view

Altova® MapForce® 2011 User & Reference Manual

The following list describes what you can get from this book: Information that lets you get set up to develop using the Yocto Project. Information to help developers who are new to the open source environment and to the distributed revision control system Git, which the Yocto Project uses. An understanding of common end-to-end development models and tasks. Information about common development tasks generally used during image development for embedded devices. Information on using the Yocto Project integration of the QuickEMUlator (QEMU), which lets you simulate running on hardware an image you have built using the OpenEmbedded build system. Many references to other sources of related information.

The Java EE 7 Tutorial

Are you looking for a deeper understanding of the Java™ programming language so that you can write code that is clearer, more correct, more robust, and more reusable? Look no further! Effective Java™, Second Edition, brings together seventy-eight indispensable programmer’s rules of thumb: working, best-practice solutions for the programming challenges you encounter every day. This highly anticipated new edition of the classic, Jolt Award-winning work has been thoroughly updated to cover Java SE 5 and Java SE 6 features introduced since the first edition. Bloch explores new design patterns and language idioms, showing you how to make the most of features ranging from generics to enums, annotations to autoboxing. Each chapter in the book consists of several “items” presented in the form of a short, standalone essay that provides specific advice, insight into Java platform subtleties, and outstanding code examples. The comprehensive descriptions and explanations for each item illuminate what to do, what not to do, and why. Highlights include: New coverage of generics, enums, annotations, autoboxing, the for-each loop, varargs, concurrency utilities, and much more Updated techniques and best practices on classic topics, including objects, classes, libraries, methods, and serialization How to avoid the traps and pitfalls of commonly misunderstood subtleties of the language Focus on the language and its most fundamental libraries: java.lang, java.util, and, to a lesser extent, java.util.concurrent and java.io Simply put, Effective Java™, Second Edition,

presents the most practical, authoritative guidelines available for writing efficient, well-designed programs.

Eclipse 3

If you are a Java developer or a manager who has experience with Apache Maven and want to extend your knowledge, then this is the ideal book for you. Apache Maven Cookbook is for those who want to learn how Apache Maven can be used for build automation. It is also meant for those familiar with Apache Maven, but want to understand the finer nuances of Maven and solve specific problems.

Introduction to JVM Languages

NOTE: You are purchasing a standalone product; MyProgrammingLab does not come packaged with this content. If you would like to purchase both the physical text and MyProgrammingLab search for ISBN-10: 0133050556/ISBN-13: 9780133050554. That package includes ISBN-10: 0132747189/ISBN-13: 9780132747189 and ISBN-10: 0133019861/ISBN-13: 9780133019865 . MyProgrammingLab should only be purchased when required by an instructor. Introduction to Programming Using Python is intended for use in the introduction to programming course. Daniel Liang is known for his "fundamentals-first" approach to teaching programming concepts and techniques. "Fundamentals-first" means that students learn fundamental programming concepts like selection statements, loops, and functions, before moving into defining classes. Students learn basic logic and programming concepts before moving into object-oriented programming, and GUI programming. Another aspect of Introduction to Programming Using Python is that in addition to the typical programming examples that feature games and some math, Liang gives an example or two early in the chapter that uses a simple graphic to engage the students. Rather than asking them to average 10 numbers together, they learn the concepts in the context of a fun example that generates something visually interesting. Using the graphics examples is optional in this textbook. Turtle graphics can be used in Chapters 1-5 to introduce the fundamentals of programming and Tkinter can be used for developing comprehensive graphical user interfaces and for learning object-oriented programming.

Altova® UModel® 2011 User & Reference Manual

Includes Gtk#, MonoDevelop, Web services, and IKVM.

Developing Programming Courses with Moodle and VPL

Implementing Domain-Specific Languages with Xtext and Xtend

Eclipse is the world's most popular IDE for Java development. And although there are plenty of large tomes that cover all the nooks and crannies of Eclipse, what you really need is a quick, handy guide to the features that are used over and over

again in Java programming. You need answers to basic questions such as: Where was that menu? What does that command do again? And how can I set my classpath on a per-project basis? This practical pocket guide gets you up to speed quickly with Eclipse. It covers basic concepts, including Views and editors, as well as features that are not commonly understood, such as Perspectives and Launch Configurations. You'll learn how to write and debug your Java code--and how to integrate that code with tools such as Ant and JUnit. You'll also get a toolbox full of tips and tricks to handle common--and sometimes unexpected--tasks that you'll run across in your Java development cycle. Additionally, the Eclipse IDE Pocket Guide has a thorough appendix detailing all of Eclipse's important views, menus, and commands. The Eclipse IDE Pocket Guide is just the resource you need for using Eclipse, whether it's on a daily, weekly, or monthly basis. Put it in your back pocket, or just throw it in your backpack. With this guide in hand, you're ready to tackle the Eclipse programming environment.

Java Methods, Second AP Edition

Presents instructions for creating Android applications for mobile devices using Java.

Eclipse in Action

EMF: Eclipse Modeling Framework Dave Steinberg Frank Budinsky Marcelo Paternostro Ed Merks Series Editors: Erich Gamma • Lee Nackman • John Wiegand The Authoritative Guide to EMF Modeling and Code Generation The Eclipse Modeling Framework enables developers to rapidly construct robust applications based on surprisingly simple models. Now, in this thoroughly revised Second Edition, the project’s developers offer expert guidance, insight, and examples for solving real-world problems with EMF, accelerating development processes, and improving software quality. This edition contains more than 40% new material, plus updates throughout to make it even more useful and practical. The authors illuminate the key concepts and techniques of EMF modeling, analyze EMF’s most important framework classes and generator patterns, guide you through choosing optimal designs, and introduce powerful framework customizations and programming techniques. Coverage includes • Defining models with Java, UML, XML Schema, and Ecore • NEW: Using extended Ecore modeling to fully unify XML with UML and Java • Generating high-quality code to implement models and editors • Understanding and customizing generated code • Complete documentation of @model Javadoc tags, generator model properties, and resource save and load options • NEW: Leveraging the latest EMF features, including extended metadata, feature maps, EStore, cross-reference adapters, copiers, and content types • NEW: Chapters on change recording, validation, and utilizing EMF in stand-alone and Eclipse RCP applications • NEW: Modeling generics with Ecore and generating Java 5 code About the Authors Dave Steinberg is a software developer in IBM Software Group. He has worked with Eclipse and modeling technologies since joining the company, and has been a committer on the EMF project since its debut in 2002. Frank Budinsky, a senior architect in IBM Software Group, is an original coinventor of EMF and a founding member of the EMF project at Eclipse. He is currently cochair of the Service Data Objects (SDO) specification technical committee at OASIS and lead SDO architect for IBM. Marcelo Paternostro is a software architect

and engineer in IBM Software Group. He is an EMF committer and has been an active contributor to several other Eclipse projects. Before joining IBM, Marcelo managed, designed, and implemented numerous projects using Rational's tools and processes. Ed Merks is the project lead of EMF and a colead of the top-level Modeling project at Eclipse. He holds a Ph.D. in Computing Science and has many years of in-depth experience in the design and implementation of languages, frameworks, and application development environments. Ed works as a software consultant in partnership with itemis AG.

Adobe ColdFusion Anthology

The Definitive Guide to Jython

Expand Raspberry Pi capabilities with fundamental engineering principles Exploring Raspberry Pi is the innovators guide to bringing Raspberry Pi to life. This book favors engineering principles over a 'recipe' approach to give you the skills you need to design and build your own projects. You'll understand the fundamental principles in a way that transfers to any type of electronics, electronic modules, or external peripherals, using a "learning by doing" approach that caters to both beginners and experts. The book begins with basic Linux and programming skills, and helps you stock your inventory with common parts and supplies. Next, you'll learn how to make parts work together to achieve the goals of your project, no matter what type of components you use. The companion website provides a full repository that structures all of the code and scripts, along with links to video tutorials and supplementary content that takes you deeper into your project. The Raspberry Pi's most famous feature is its adaptability. It can be used for thousands of electronic applications, and using the Linux OS expands the functionality even more. This book helps you get the most from your Raspberry Pi, but it also gives you the fundamental engineering skills you need to incorporate any electronics into any project. Develop the Linux and programming skills you need to build basic applications Build your inventory of parts so you can always "make it work" Understand interfacing, controlling, and communicating with almost any component Explore advanced applications with video, audio, real-world interactions, and more Be free to adapt and create with Exploring Raspberry Pi.

Building Embedded Linux Systems

This book is an illustrative guide for the understanding and implementation of model-based systems and architecture engineering with the Arcadia method, using Capella, a new open-source solution. More than just another systems modeling tool, Capella is a comprehensive and extensible Eclipse application that has been successfully deployed in a wide variety of industrial contexts. Based on a graphical modeling workbench, it provides systems architects with rich methodological guidance using the Arcadia method and modeling language. Intuitive model editing and advanced viewing capabilities improve modeling quality and productivity, and help engineers focus on the design of the system and its architecture. This book is the first to help readers discover the richness of the Capella solution. Describes the tooled implementation of the Arcadia method Highlights the toolset widely

deployed on operational projects in all Thales domains worldwide (defense, aerospace, transportation, etc.) Emphasizes the author’s pedagogical experience on the methods and the tools gained through conducting more than 80 training sessions for a thousand engineers at Thales University Examines the emergence of an ecosystem of organizations, including industries that would drive the Capella roadmap according to operational needs, service and technology suppliers who would develop their business around the solution, and academics who would pave the future of the engineering ecosystem

Mono

Quick and painless Java programming with expert multimedia instruction Java Programming 24-Hour Trainer, 2nd Edition is your complete beginner's guide to the Java programming language, with easy-to-follow lessons and supplemental exercises that help you get up and running quickly. Step-by-step instruction walks you through the basics of object-oriented programming, syntax, interfaces, and more, before building upon your skills to develop games, web apps, networks, and automations. This second edition has been updated to align with Java SE 8 and Java EE 7, and includes new information on GUI basics, lambda expressions, streaming API, WebSockets, and Gradle. Even if you have no programming experience at all, the more than six hours of Java programming screencasts will demonstrate major concepts and procedures in a way that facilitates learning and promotes a better understanding of the development process. This is your quick and painless guide to mastering Java, whether you're starting from scratch or just looking to expand your skill set. Master the building blocks that go into any Java project Make writing code easier with the Eclipse tools Learn to connect Java applications to databases Design and build graphical user interfaces and web applications Learn to develop GUIs with JavaFX If you want to start programming quickly, Java Programming 24-Hour Trainer, 2nd Edition is your ideal solution.

Stream Processing with Apache Flink

Get started with Apache Flink, the open source framework that powers some of the world’s largest stream processing applications. With this practical book, you’ll explore the fundamental concepts of parallel stream processing and discover how this technology differs from traditional batch data processing. Longtime Apache Flink committers Fabian Hueske and Vasia Kalavri show you how to implement scalable streaming applications with Flink’s DataStream API and continuously run and maintain these applications in operational environments. Stream processing is ideal for many use cases, including low-latency ETL, streaming analytics, and real-time dashboards as well as fraud detection, anomaly detection, and alerting. You can process continuous data of any kind, including user interactions, financial transactions, and IoT data, as soon as you generate them. Learn concepts and challenges of distributed stateful stream processing Explore Flink’s system architecture, including its event-time processing mode and fault-tolerance model Understand the fundamentals and building blocks of the DataStream API, including its time-based and statefuloperators Read data from and write data to external systems with exactly-once consistency Deploy and configure Flink clusters Operate continuously running streaming applications

Apache Maven Cookbook

Develop, debug, test, and troubleshoot Java EE 7 applications rapidly with Eclipse About This Book Go beyond simply learning Java EE APIs and explore the complete workflow of developing enterprise Java applications Learn to use the features of Eclipse JEE to simplify Java EE application development Develop and deploy complete applications with JEE Who This Book Is For If you are a Java developer who has little or no experience in JEE application development or you have experience in JEE technology but are looking for tips to simplify and accelerate your development process, then this book is for you. What You Will Learn Set up Eclipse, Tomcat, and Glassfish server for JEE application development Use JSP, Servlet, JSF, and EJBs to create a user interface and write business logic Create JEE database applications using JDBC and JPA Handle asynchronous messages using MDBs for better scalability Deploy and debug JEE applications and create SOAP and REST web services Write unit tests and calculate code coverage Troubleshoot application performance and memory issues In Detail Java EE is a technology for developing enterprise class, scalable applications. With recent changes to Java EE specifications, JEE application development has become a lot simpler. However, recent changes have also added many new specifications, some of which compete with existing JEE specification. Along with JEE specifications and APIs, it is also very important to understand the entire application development process and tools that can help simplify and accelerate JEE application development. This guide provides a complete overview of developing JEE applications using Eclipse. The many features of the Eclipse IDE are explained. These enable the rapid development, debugging, testing, and deployment of JEE applications. You'll explore not just different JEE technologies and how to use them (JSP, JSF, JPA, JDBC, EJB, web services etc.), but also suitable technologies for different scenarios. The book starts with how to set up the development environment for JEE applications and then goes on to describe many JEE specifications in detail, with an emphasis on examples. You'll learn how to deploy an example application on Tomcat and Glassfish Application Server. You'll create a simple application that reads from a queue, processes the request, and publishes results to a topic and Eclipse MAT (Memory Analysis Tool) to debug memory issues. Style and approach This guide takes a step-by-step approach to developing, testing, debugging, and troubleshooting JEE applications, complete with examples and tips.

PHP & MySQL: The Missing Manual

Linux® is being adopted by an increasing number of embedded systems developers, who have been won over by its sophisticated scheduling and networking, its cost-free license, its open development model, and the support offered by rich and powerful programming tools. While there is a great deal of hype surrounding the use of Linux in embedded systems, there is not a lot of practical information. Building Embedded Linux Systems is the first in-depth, hard-core guide to putting together an embedded system based on the Linux kernel. This indispensable book features arcane and previously undocumented procedures for: Building your own GNU development toolchain Using an efficient embedded development framework Selecting, configuring, building, and installing a target-specific kernel Creating a complete target root filesystem Setting up, manipulating, and using solid-state storage devices Installing and configuring a bootloader for the

target Cross-compiling a slew of utilities and packages Debugging your embedded system using a plethora of tools and techniques Details are provided for various target architectures and hardware configurations, including a thorough review of Linux's support for embedded hardware. All explanations rely on the use of open source and free software packages. By presenting how to build the operating system components from pristine sources and how to find more documentation or help, this book greatly simplifies the task of keeping complete control over one's embedded operating system, whether it be for technical or sound financial reasons.Author Karim Yaghmour, a well-known designer and speaker who is responsible for the Linux Trace Toolkit, starts by discussing the strengths and weaknesses of Linux as an embedded operating system. Licensing issues are included, followed by a discussion of the basics of building embedded Linux systems. The configuration, setup, and use of over forty different open source and free software packages commonly used in embedded Linux systems are also covered. uClibc, BusyBox, U-Boot, OpenSSH, thttpd, tftp, strace, and gdb are among the packages discussed.

Introduction to Programming Using Python

Programming Android

If you are a competent developer with experience of working with technologies similar to Apache Solr and want to develop efficient search applications, then this book is for you. Familiarity with the Java programming language is required.

Java EE Development with Eclipse

Eclipse IDE Pocket Guide

JavaScript lets you supercharge your HTML with animation, interactivity, and visual effects—but many web designers find the language hard to learn. This jargon-free guide covers JavaScript basics and shows you how to save time and effort with the jQuery library of prewritten JavaScript code. You'll soon be building web pages that feel and act like desktop programs, without having to do much programming. The important stuff you need to know: Make your pages interactive. Create JavaScript events that react to visitor actions. Use animations and effects. Build drop-down navigation menus, pop-ups, automated slideshows, and more. Improve your user interface. Learn how the pros make websites fun and easy to use. Collect data with web forms. Create easy-to-use forms that ensure more accurate visitor responses. Add a dash of Ajax. Enable your web pages to communicate with a web server without a page reload. Practice with living examples. Get step-by-step tutorials for web projects you can build yourself.

Android Apps with Eclipse

This book gives a detailed introduction into the Eclipse platform and covers all relevant aspects of Eclipse RCP development. Every topic in this book has a

content section in which the topic is explained and afterwards you have several exercises to practice your learning. You will be guided through all relevant aspects of Eclipse 4 development using an comprehensive example which you continue to extend in the exercises. You will learn about the new programming concepts of Eclipse 4, e.g. the application model, dependency injection, CSS styling, the renderer framework, the event system and much more. Proven Eclipse technologies like SWT, JFace viewers, OSGi modularity and services, data binding, etc. are also covered in detail. This book requires a working knowledge of Java and assumes that you are familiar in using the Eclipse IDE for standard Java development. It assumes no previous experience of Eclipse plug-in and Eclipse RCP development.

Programming Android

Eclipse

In the 'distilled' tradition this is a concise introduction to Eclipse for developers of all levels.

Yocto Project Development Manual

Get thoroughly up to speed on Android programming, and learn how to create up-to-date user experiences for both handsets and tablets. With this book's extensively revised second edition, you'll focus on Android tools and programming essentials, including best practices for using Android 4 APIs. If you're experienced with Java or Objective-C, you'll gain the knowledge necessary for building well-engineered applications. Programming Android is organized into four parts: Part One helps programmers with some Java or iOS experience get off to a fast start with the Android SDK and Android programming basics. Part Two delves into the Android framework, focusing on user interface and graphics class hierarchies, concurrency, and databases. It's a solid foundation for understanding of how the most important parts of an Android application work. Part Three features code skeletons and patterns for accelerating the development of apps that use web data and Android 4 user interface conventions and APIs. Part Four delivers practical coverage of Android's multimedia, search, location, sensor, and account APIs, plus the Native Development Kit, enabling developers to add advanced capabilities. This updated edition of Programming Android focuses on the knowledge and developer priorities that are essential for successful Android development projects.

Eclipse Web Tools Platform

Eclipse is the most adopted integrated development environment (IDE) for Java programmers. And, now, Eclipse seems to be the preferred IDE for Android apps developers. Android Apps with Eclipse provides a detailed overview of Eclipse, including steps and the screenshots to help Android developers to quickly get up to speed on Eclipse and to streamline their day-to-day software development. This book includes the following: Overview of Eclipse fundamentals for both Java and C/C++ Development. Using Eclipse Android Development Toolkit (ADT) to develop,

debug, and troubleshoot Android applications. Using Eclipse C/C++ Development Toolkit (CDT) in conjunction with Android Native Development Kit (NDK) to integrate, develop and troubleshoot native Android components through Eclipse.

Exploring Raspberry Pi

JavaScript & jQuery: The Missing Manual

In his friendly, easy-to-understand style, the bestsellingauthor of Java 2 For Dummies shows developers how to get up to speed fast onthis popular Java IDE Eclipse, an open source product originally developed by IBM,has an estimated 500,000 users-a 45 percent market share among JavaIDEs Shows Java developers how to maximize programming productivitywith Eclipse, covering all the basics as well as advancedtechniques such as using Ant, developing new Eclipse plug-ins, andworking with Javadocs JAR files

Effective Java

This book is a self-contained, practical introduction how to use FeatureIDE for modeling and implementing variable systems. In particular, readers learn how to analyze domains using feature models, specify requirements in form of configurations, and how to generate code based on conditional compilation and feature-oriented programming. Given the interactive style of the book, readers can directly try out the open-source development environment. All code examples are available in the standard distribution on GitHub and can immediately been used for individual modifications. Each part of the book is presented as a step-by-step tutorial and additionally illustrated using an ongoing example of elevator control software written in Java. Written by the core development team of FeatureIDE, this book is suitable for students using a tool for deepening the theoretical foundations of variability modeling and implementation, and as a reference for practitioners needing a stable and scalable tool for industrial applications. FeatureIDE is the most used open-source tool for feature modeling and has been continuously improved since 2004. The success of FeatureIDE is due to being a vehicle for cutting-edge product-line research by still providing an easy-to-use and seamless integration into Eclipse.

Apache Solr Essentials

The Java EE 7 Tutorial: Volume 1, Fifth Edition, is a task-oriented, example-driven guide to developing enterprise applications for the Java Platform, Enterprise Edition 7 (Java EE 7). Written by members of the Java EE documentation team at Oracle, this book provides new and intermediate Java programmers with a deep understanding of the platform. This guide includes descriptions of platform features and provides instructions for using the latest versions of NetBeans IDE and GlassFish Server Open Source Edition. The book introduces platform basics, including resource creation, resource injection, and packaging. It covers JavaServer Faces, Java Servlets, the Java API for WebSocket, the Java API for JSON Processing (JSON-P), internationalization and localization, Bean Validation, Contexts and

Dependency Injection for Java EE (CDI), and web services (JAX-WS and JAX-RS).

Powers' Central Station Directory and Buyers' Manual

Explore the Java Virtual Machine with modern programming languages About This Book This guide provides in-depth coverage of the Java Virtual Machine and its features Filled with practical examples, this book will help you understand the core concepts of Java, Scala, Clojure, Kotlin, and Groovy Work with various programming paradigms and gain knowledge about imperative, object-oriented and functional programming Who This Book Is For This book is meant for programmers who are interested in the Java Virtual Machine (JVM) and want to learn more about the most popular programming languages that can be used for JVM development. Basic practical knowledge of a modern programming language that supports object-oriented programming (JavaScript, Python, C#, VB.NET, and C++) is assumed. What You Will Learn Gain practical information about the Java Virtual Machine Understand the popular JVM languages and the Java Class Library Get to know about various programming paradigms such as imperative, object-oriented, and functional Work with common JVM tools such as Eclipse IDE, Gradle, and Maven Explore frameworks such as SparkJava, Vert.x, Akka and JavaFX Boost your knowledge about dialects of other well-known programming languages that run on the JVM, including JavaScript, Python, and Ruby In Detail Anyone who knows software development knows about the Java Virtual Machine. The Java Virtual Machine is responsible for interpreting Java byte code and translating it into actions. In the beginning, Java was the only programming language used for the JVM. But increasing complexity of the language and the remarkable performance of the JVM created an opening for a new generation of programming languages. If you want to build a strong foundation with the Java Virtual Machine and get started with popular modern programming languages, then this book is for you. The book will begin with a general introduction of the JVM and its features, which are common to the JVM languages, helping you get abreast with its concepts. It will then dive into explaining languages such as Java, Scala, Clojure, Kotlin, and Groovy and will show how to work with each language, their features, use cases, and pros and cons. By writing example projects in those languages and focusing on each language's strong points, it will help you find the programming language that is most appropriate for your particular needs. By the end of the book, you will have written multiple programs that run on the Java Virtual Machine and know about the differences between the various languages. Style and approach This practical, example-filled guide will help you get started with the JVM and some of its most popular languages.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION