Eclipse Workbench User Guide

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 provides 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.

The NetBeans Platform is the world's only modular Swing application framework, used by very large organizations in mission-critical scenarios, such as at Boeing and Northrop Grumman, as well as in the financial sector and in the oil/gas industry. For these large customers in enterprises who are increasingly interested in Maven and OSGi, the book will have particular relevance. The Definitive Guide to NetBeansTM Platform 7 is a thorough and authoritative introduction to the open-source NetBeans Platform, covering all its major APIs in detail, with relevant code examples used throughout. Provides a completely updated definitive guide to the NetBeans Platform, using the latest APIs, coding patterns, and methodologies. Focuses strongly on business features in an application, since Oracle's customers are particularly interested in business-related aspects. For example, how to OSGi, how to add authentication/security, how to monetize from a modular application. The original German book on which this title is based was well received. The NetBeans Platform Community has put together this English translation, which covers the latest NetBeans Platform 7 APIs. With an introduction by known NetBeans Platform experts Jaroslav Tulach and Tim Boudreau, this is the most up-to-date book on this topic at the moment. All NetBeans Platform developers will gain something from this book, because several topics in the book have not been documented anywhere else.

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 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.

Everything you need to know—and then some! It's the fastest-growing, coolest Linux distribution out there, and now you can join the excitement with this information-packed guide. Want to edit graphics? Create a spreadsheet? Manage groups? Set up an NFS server? You'll learn it all and more with the expert guidance, tips, and techniques in this first-ever soup-to-nuts book on Ubuntu. From the basics for newcomers to enterprise management for system administrators, it's what you need to succeed with Ubuntu. Master the fundamentals for desktop and networks Send e-mail, share files, edit text, and print Download music, watch DVDs, and play games Use Ubuntu on laptops, go wireless, or synch it with your PDA Set up Web, mail, print, DNS, DHCP, and other servers Manage groups and secure your network What's on the CD-ROM? Test-drive Ubuntu on your computer without changing a thing using the bootable Ubuntu Desktop Live CD included with this book. If you decide to install it permanently, a simple, easy-to-use installer is provided. Also on the CD, you'll find: Popular open-source software for Microsoft(r) Windows(r), such as AbiWord, Firefox(r), GIMP, and more An easy-to-use application that simplifies installing these programs on your Microsoft Windows system System Requirements: Please see the "About the CD-ROM Appendix" for details and complete system requirements. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Rational Application Developer for WebSphere Software V8 Programming Guide
Java Programming
Managing the VMware Infrastructure and vSphere
The Definitive Guide to the ARM Cortex-M0
Phpeclipse
Ubuntu Linux Bible

Explains how to customize the Java integrated development environment, covering navigation, terminology, extension, the plug-in architecture, and frameworks.

Selected Papers from the Ninth International. This volume presents papers from the Ninth International Baltic Conference on Databases and Information Systems Baltic DBIS 2010 which took place in Riga, Latvia in July 2010. Since this successful biennial series began in 1994, the Baltic DBIS confer

Step-by-step guide that introduces novices to using all major features of Eclipse 3 Eclipse is an open source extensible integrated development environment (IDE) that helps Java programmers build best-of-breed integrated tools covering the whole software lifecycle-from conceptual modeling to deployment Eclipse is fast becoming the development platform of choice for the Java community Packed with code-rich, real-world examples that show programmers how to speed up the development of applications by reusing and extending existing Eclipse components Describes SWT and JFace (Eclipse's alternative to the Java AWT and Swing) and demonstrates them in practice in a JavaLayer based MP3 player Shows how Eclipse can be used as a tool platform and application framework

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

A User Guide

C/C++ Users Journal

Security Compliance in Model-driven Development of Software Systems in Presence of Long-Term Evolution and Variants

Mastering XPages

EMF

The Definitive Guide to SWT and JFace

Written for novice programmers who need to learn Eclipse, the new integrated, open-source development environment, this book covers three areas that are of crucial interest—Eclipse, IBM's Software Widget Toolkit (the SWT), and JDBC. Questions such as how to use the new Eclipse Integrated Development Environment; how to create a complete functioning application with Eclipse; and where to get the software, how to install it, and how to configure it are answered. Options that programmers would use in a real production to be instantly productive in Eclipse and the steps needed to take to create a program or modifying an existing program are addressed.

Develop skills to build powerful plug-ins with Eclipse IDE through examples About This Book Create useful plug-ins to make Eclipse work for you Learn how to migrate Eclipse 3.x plug-ins to Eclipse 4.x From automation to testing, find out how to get your IDE performing at an impressive standard Who This Book Is For This book is for Java developers familiar with Eclipse who need more from the IDE. This book will sharpen your confidence and make you a more productive developer with a tool that supports rather than limits you. What You Will Learn Create plug-ins for Eclipse 4.x Test plug-ins automatically with JUnit Display tree and table information in views Upgrade Eclipse 3.x plug-ins to Eclipse 4.x Find out how to build user interfaces from SWT and JFace Run tasks in the background and update the user interface asynchronously Automate builds of plug-ins and features Automate user interface tests with SWTBot In Detail Eclipse is used by everyone from indie devs to NASA engineers. Its popularity is underpinned by its impressive plug-in ecosystem, which allows it to be extended to meet the needs of whoever is using it. This book shows you how to take full advantage of the Eclipse IDE by building your own useful plug-ins from start to finish. Taking you through the complete process of plug-in development, from packaging to automated testing and deployment, this book is a direct route to quicker, cleaner Java development. It may be for beginners, but we're confident that you'll develop new skills quickly. Pretty soon you'll feel like an expert, in complete control of your IDE. Don't let Eclipse define you - extend it with the plug-ins you need today for smarter, happier, and more effective development. Style and approach Packed with plenty of examples so you're never stuck, or never left simply reading instructions, this book encourages you to get started immediately. This book is for developers who want to develop, not just learn.

Eclipse has established itself as a dominant force in the application-development space. Key to the success of Eclipse is the ability of developers to extend its functionality using plug-ins. This new edition of Eclipse: Building Commercial-Quality Plug-ins is the definitive, start-to-finish guide to building commercial-quality Eclipse plug-ins, with an emphasis on adding the sophistication and polish that paying customers demand. The book provides both a quick introduction to using Eclipse for new users and a reference for experienced Eclipse users wishing to expand their knowledge and improve the quality of their Eclipse-based products. Revised to take advantage of pure Eclipse 3.1 and 3.2 APIs, this widely praised bestseller presents detailed, practical coverage of every aspect of plug-in development and specific solutions for the challenges developers are most likely to encounter. All code examples, relevant API listings, diagrams, and screen captures have been updated. Some Eclipse concepts--such as actions, views, and editors--have not changed radically, but now have additional functionality and capabilities. Other areas, such as the Eclipse plug-in infrastructure, have changed drastically due to the Eclipse shift towards an OSGi-based infrastructure. This edition is fully updated to address these new advances for Eclipse developers. Includes a quick introduction to Eclipse for experienced Java programmers Serves as a systematic reference for experienced Eclipse users Introduces all the tools you need to build Eclipse and Rational plug-ins Explains the Eclipse architecture and the structure of plug-ins and extension points Offers practical guidance on building Eclipse user interfaces with SWT and JFace Shows how to use change tracking, perspectives, builders, markers, natures, and more Covers internationalization, help systems, features, and branding This book is designed for anyone who wants a deep understanding of Eclipse, and every experienced developer interested in extending Eclipse or the Rational Software Development Platform.

The Definitive Guide to the ARM Cortex-M0 is a guide for users of ARM Cortex-M0 microcontrollers. It presents many examples to make it easy for novice embedded-software developers to use the full 32-bit ARM Cortex-M0 processor. It provides an overview of ARM and ARM processors and discusses the benefits of ARM Cortex-M0 over 8-bit or 16-bit devices in terms of energy efficiency, code density, and ease of use, as well as their features and applications. The book describes the architecture of the Cortex-M0 processor and the programmers model, as well as Cortex-M0 programming and instruction set and how these instructions are used to carry out various operations. Furthermore, it considers how the memory architecture of the Cortex-M0 processor affects software development; Nested Vectored Interrupt Controller (NVIC) and the features it supports, including flexible interrupt management, nested interrupt support, vectored exception entry, and interrupt masking; and Cortex-M0 features that target the embedded operating system. It also explains how to develop simple applications on the Cortex-M0, how to program the Cortex-M0 microcontrollers in assembly and mixed-assembly languages, and how the low-power features of the Cortex-M0 processor are used in programming. Finally, it describes a number of ARM Cortex-M0 products, such as microcontrollers, development boards, starter kits, and development suites. This book will be useful to both new and advanced users of ARM Cortex devices, from students and hobbyists to researchers, professional embedded- software developers, electronic enthusiasts, and even semiconductor product designers. The first and definitive book on the new ARM Cortex-M0 architecture targeting the large 8-bit and 16-bit microcontroller market Explains the Cortex-M0 architecture and how to program it using practical examples Written by an engineer at ARM who was heavily involved in its development

VMware VI and vSphere SDK
Eclipse IDE Pocket Guide
A Developer's Guide
A Guide for Java Developers
24-Hour Trainer
POWER8 High-performance Computing Guide IBM Power System S822LC (8335-GTB) Edition

IBM® WebSphere® Application Server V8.5 includes a Liberty profile, which is a highly composable, dynamic application server profile. It is designed for two specific use cases: Developer with a smaller production run time, and production environments. For a developer, it focuses on the tasks that a developer does most frequently and makes it possible for the developer to complete those tasks as quickly and as simply as possible. For production environments, it provides a dynamic, small footprint run time to be able to maximize system resources. This IBM Redbooks® publication provides you with information to effectively use the WebSphere Application Server V8.5 Liberty profile along with the WebSphere Application Server Developer Tools for Eclipse, for development and testing of web applications that do not require a full Java Platform. It provides a quick guide on getting started, providing a scenario-based approach to demonstrate the capabilities of the Liberty profile along with the developer tools. This provides a simplified, but comprehensive, application development and testing environment. The intended audience for this book is developers of web and Open Services Gateway initiative (OSGi) applications who are familiar with web and OSGi application concepts. This book has been updated to reflect the new features in WebSphere Application Server.

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.

IBM® Rational® Application Developer for WebSphere® Software V8 is the full-function Eclipse 3.6 technology-based development platform for developing JavaTM Platform, Standard Edition Version 6 (Java SE 6) and Java Platform, Enterprise Edition Version 6 (Java EE 6) applications. Beyond this function, Rational Application Developer provides development tools for technologies, such as OSGi, Service Component Architecture (SCA), Web 2.0, and XML. It has a focus on applications to be deployed to IBM WebSphere Application Server and IBM WebSphere Portal. Rational Application Developer provides integrated development tools for all development roles, including web developers, Java developers, business analysts, architects, and enterprise programmers. This IBM Redbooks® publication is a programming guide that highlights the features and tooling included with Rational Application Developer V8.0.1. Many of the chapters provide working examples that demonstrate how to use the tooling to develop applications and achieve the benefits of visual and rapid application development. This publication is an update of Rational Application Developer V7.5 Programming Guide, SG24-7672.

IBM® Rational® Application Developer for WebSphere® Software V7.0 (for short, Rational Application Developer) is the full function Eclipse 3.2 based development platform for developing JavaTM 2 Platform Standard Edition (J2SETM) and Java 2 Platform Enterprise Edition (J2EETM) applications with a focus on applications to be deployed to IBM WebSphere Application Server and IBM WebSphere Portal. Rational Application Developer provides integrated development tools for all development roles, including Web developers, Java developers, business analysts, architects, and enterprise programmers. Rational Application Developer is part of the IBM Rational Software Delivery Platform (SDP), which contains products in four life cycle categories: - Architecture management, which includes integrated development environments (Application Developer is here) - Change and release management - Process and portfolio management - Quality management This IBM Redbooks® publication is a programming guide that highlights the features and tooling included with Rational Application Developer V7.0. Many of the chapters provide working examples that demonstrate how to use the tooling to develop applications, as well as achieve the benefits of visual and rapid application development. This publication is an update of Rational Application Developer V6 Programming Guide, SG24-6449. This book consists of six parts: - Introduction to Rational Application Developer - Develop applications - Test and debug applications - Deploy and profile applications - Team development - Appendixes

Building Commercial-Quality Plug-ins

Rational Application Developer V7 Programming Guide

C in a Nutshell

Principles, Patterns, and Plug-ins

Eclipse Modeling Framework

Contributing to Eclipse

bull; Shows how EMF unifies three important technologies: Java, XML, and UML bull; Provides a comprehensive overview of the EMF classes including a complete quick reference for all the classes and methods in the EMF 1.1 API bull; Includes examples of many common framework customizations and programming techniques

Take advantage of the leading open source integrated development environment to develop, organize, and debug your PHP web development projects.

The IBM® Tivoli® Change and Configuration Management Database (CCMDB) is one of the key components of the IBM Service Management (ISM) strategy. It is the foundation for automating and supporting change and configuration management processes as described by the Information Technology Infrastructure Library (ITIL®). These process solutions provide best practice implementations of processes based not only on ITIL, but on the IBM Process Reference Model for ITTM and other standards as well. This IBM Redbooks® publication provides information that can be used by clients, partners, or IBM field personnel who are looking to engage in an effort to implement change and configuration management processes in an enterprise environment utilizing the IBM Tivoli Change and Configuration Management Database (CCMDB) V 7.2.1 product. It covers the new features available with CCMDB V7.2 and CCMDB V7.2.1, as well as details about the underlying components of the product and utilizing the product to support robust IT processes such as change and configuration management. It also focuses on the details of the data model, process engine, and the Change and Configuration management Process Management Programs (PMPs). This book provides a reference for IT Specialists and IT Architects working with the CCMDB V7.2.1 product.

** While the promise of Java has always been "Write Once, Run Anywhere," SWT and JFace make it a reality. Write it once but run on all different platforms. * Major revision of Eclipse 3.0 is coming out (probably April or May, 2004)– this book will be up to date (3.0) with no "time bomb" shelf life. Covers SWT 3.0 (in development) and 2.1. * Eclipse is free and open source and will become even more important over next year or so/ Eclipse will be the editor of choice for all developers going forward – the standard IDE for open source development. * Offers GUI designers an alternative to developing with Swing.*

IBM High-Performance Computing Insights with IBM Power System AC922 Clustered Solution
Eclipse
Annual SIGDOC ... : the ... Annual International Conference
Embedded Linux Development Using Eclipse
Eclipse Cookbook
Anwendungen und Plug-Ins mit Java entwickeln

Drive Even More Value from Virtualization: Write VMware® Applications that Automate Virtual Infrastructure Management Companies running VMware have already achieved enormous gains through virtualization. The next wave of benefits will come when they reduce the time and effort required to run and manage VMware platforms. The VMware Infrastructure Software Development Kit (VI SDK) includes application programming interfaces (APIs) that allow developers and administrators to do just that. Until now, there has been little documentation for the APIs. In VMware VI and vSphere SDK, software architect Steve Jin demystifies the entire VMware VI and new vSphere SDK and offers detailed, task-based coverage of using the APIs to manage VMware more efficiently and cost-effectively. Jin walks you through using the VI SDK and cloud-computing vSphere SDK to manage ESX servers, ESX clusters, and VirtualCenter servers in any environment–no matter how complex. Drawing on his extensive expertise working with VMware strategic partners and enterprise customers, he places the VI SDK in practical context, presenting realistic samples and proven best practices for building robust, effective solutions. Jin demonstrates how to manage every facet of a VMware environment, including inventory, host systems, virtual machines (VMs), snapshots, VMotion, clusters, resource pools, networking, storage, data stores, events, alarms, users, security, licenses, and scheduled tasks. Coverage includes Understanding how the VI SDK fits into your VMware VI and Cloud Ready vSphere Environment Discovering the VI and vSphere SDK from the bottom up Using the author's new VI Java API to write shorter, faster, and more maintainable code Managing VI and vSphere inventory and configurations Moving running VMs and storages across different physical platforms without disruption Optimizing system resources, hardening system securities, backing up VMs and other resources Leveraging events, alarms, and scheduled tasks to automate the system management Developing powerful applications that integrate multiple API features and run on top of or alongside VMware platforms Using the VI SDK to monitor performance Scripting with the VI SDK: building solutions with VI Perl, PowerShell, and Jython Avoiding the pitfalls that trip up VMware VI developers Integrating with and extending VMware platforms using VI SDK This book is an indispensable resource for all VMware developers and administrators who want to get more done in less time; for hardware vendors who want to integrate their products with VMware; for ISV developers building new VMware applications; and for every professional and student seeking a deeper mastery of virtualization.

Written by two world class programmers and software designers, this guide explains how to extend Eclipse for software projects and how to use Eclipse to create software tools that improve development time.

The new edition of this classic O'Reilly reference provides clear, detailed explanations of every feature in the C language and runtime library, including multithreading, type-generic macros, and library functions that are new in the 2011 C standard (C11). If you want to understand the effects of an unfamiliar function, and how the standard library requires it to behave, you'll find it here, along with a typical example. Ideal for experienced C and C++ programmers, this book also includes popular tools in the GNU software collection. You'll learn how to build C programs with GNU Make, compile executable programs from C source code, and test and debug your programs with the GNU debugger. In three sections, this authoritative book covers: C language concepts and language elements, with separate chapters on types, statements, pointers, memory management, I/O, and more The C standard library, including an overview of standard headers and a detailed function reference Basic C programming tools in the GNU software collection, with instructions on how use them with the Eclipse IDE

This IBM® Redbooks® publication demonstrates and documents that IBM Power SystemsTM high-performance computing and technical computing solutions deliver faster time to value with powerful solutions. Configurable into highly scalable Linux clusters, Power Systems offer extreme performance for demanding workloads such as genomics, finance, computational chemistry, oil and gas exploration, and high-performance data analytics. This book delivers a high-performance computing solution implemented on the IBM Power System S822LC. The solution delivers high application performance and throughput based on its built-for-big-data architecture that incorporates IBM POWER8® processors, tightly coupled Field Programmable Gate Arrays (FPGAs) and accelerators, and faster I/O by using Coherent Accelerator Processor Interface (CAPI). This solution is ideal for clients that need more processing power while simultaneously increasing workload density and reducing datacenter floor space requirements. The Power S822LC offers a modular design to scale from a single rack to hundreds, simplicity of ordering, and a strong innovation roadmap for graphics processing units (GPUs). This publication is targeted toward technical professionals (consultants, technical support staff, IT Architects, and IT Specialists) responsible for delivering cost effective high-performance computing (HPC) solutions that help uncover insights from their data so they can optimize business results, product development, and scientific discoveries

The Definitive Guide to NetBeansTM Platform 7
Eclipse in Action
Jetzt lerne ich Eclipse
Eclipse Plug-ins
Rational Application Developer V7.5 Programming Guide
Using the Full-Featured IDE

IBM® Rational® Application Developer for WebSphere® Software v7.5 (Application Developer, for short) is the full function Eclipse 3.4 based development platform for developing JavaTM Standard Edition Version 6 (Java SE 6) and Java Enterprise Edition Version 5 (Java EE 5) applications with a focus on applications to be deployed to IBM WebSphere Application Server and IBM WebSphere Portal. Ratio provides integrated development tools for all development roles, including Web developers, Java developers, business analysts, architects, and enterprise programmers. Rational Application Developer is part of the IBM Rational Software Delivery Platform (SDP), which contains products in four life cycle categories: - Architecture management, which includes integrated development environments - Change Process and portfolio management - Quality management This IBM RedbooksTM publication is a programming guide that highlights the features and tooling included with Rational Application Developer v7.5. Many of the chapters provide working examples that demonstrate how to use the tooling to develop applications, as well as achieve the benefits of visual and rapid application development. This public Rational Application Developer V7 Programming Guide, SG24-7501.

Eclipse is a powerful open source platform that gives Java developers a new way to approach development projects. In this 'Cookbook' Steve Holzner demystifies Eclipse with practical recipes for more than 800 situations that may be encountered.

For ensuring a software system's security, it is vital to keep up with changing security precautions, attacks, and mitigations. Although model-based development enables addressing security already at design-time, design models are often inconsistent with the implementation or among themselves. An additional burden are variants of software systems. To ensure security in this context, we present an appro automated change propagation, allowing security experts to specify security requirements on the most suitable system representation. We automatically check all system representations against these requirements and provide security-preserving refactorings for preserving security compliance. For both, we show the application to variant-rich software systems. To support legacy systems, we allow to rever UML models and semi-automatically map existing design models to the implementation. Besides evaluations of the individual contributions, we demonstrate the approach in two open-source case studies, the iTrust electronics health records system and the Eclipse Secure Storage.

This IBM® Redbooks® publication documents and addresses topics to set up a complete infrastructure environment and tune the applications to use an IBM POWER9TM hardware architecture with the technical computing software stack. This publication is driven by a CORAL project solution. It explores, tests, and documents how to implement an IBM High-Performance Computing (HPC) solution on a PO system by using IBM technical innovations to help solve challenging scientific, technical, and business problems. This book documents the HPC clustering solution with InfiniBand on IBM Power SystemsTM AC922 8335-GTH and 8335-GTX servers with NVIDIA Tesla V100 SXM2 graphics processing units (GPUs) with NVLink, software components, and the IBM SpectrumTM Scale parallel file system. This recommendations about the components that are used to provide a cohesive clustering environment that includes job scheduling, parallel application tools, scalable file systems, administration tools, and a high-speed interconnect. This book is divided into three parts: Part 1 focuses on the planners of the solution, Part 2 focuses on the administrators, and Part 3 focuses on the developers. This book targets (consultants, technical support staff, IT architects, and IT specialists) who are responsible for delivering cost-effective HPC solutions that help uncover insights among clients' data so that they can act to optimize business results, product development, and scientific discoveries.

Eclipse Step by Step
Implementing an IBM High-Performance Computing Solution on IBM POWER8
The Definitive Reference
The Java Developer's Guide to Eclipse
Implementing an IBM High-Performance Computing Solution on IBM Power System S822LC
Conference Proceedings

The Eclipse environment solves the problem of having to maintain your own Integrated Development Environment (IDE), which is time consuming and costly. Embedded tools can also be easily integrated into Eclipse. The C/C++CDT is ideal for the embedded community with more than 70% of embedded developers using this language to write embedded code. Eclipse simplifies embedded system development and then eases its integration into larger platforms and frameworks. In this book, Doug Abbott examines Eclipse, an IDE, which can be vital in saving money and time in the design and development of an embedded system. Eclipse was created by IBM in 2001 and then became an open-source project in 2004. Since then it has become the de-facto IDE for embedded developers. Virtually all of the major Linux vendors have adopted this platform, including MontaVista, LynuxWorks, and Wind River. *Details the Eclipse Integrated Development Environment (IDE) essential to streamlining your embedded development process *Overview of the latest C/C++ Developer's Toolkit (CDT) *Includes case studies of Eclipse use including Monta Vista, LynuxWorks, and Wind River

PHP This! is a beginners book for developers who are new to object oriented PHP web development. This goal of PHP This! is to teach the PHP skills needed to be a junior PHP developer. These skills include an introduction to object oriented PHP theory and instruction on how to apply that theory to build a full custom MVC application, unit testing with PHPUnit and code management with SVN. The instruction provided by this book also applies to experienced software engineers with expertise in other languages who have not had the opportunity yet to learn object oriented PHP or to those who are new to web development altogether. Object Oriented concepts can be confusing at first that is why PHP This! provides a simple way to explain a confusing subject. The clear explanations and examples will quickly teach you what Object Oriented PHP is and how to use it, test it and manage it. Some key chapters and subjects include: Chapter 1: Why Read This Book Sample Job Description: Jr. PHP Developer The Eight Primary Categories of JQuery Features Why Learn Object Oriented PHP Six Primary Advantages to Learning Object Oriented Programming Chapter 2: PHP Objects & Classes Overview - The Confusion of First Learning Object Oriented Theory Explanation of a Class Explanation of an Object Instantiation $this Variable Access Modifiers Inheritance Method Overriding Invoking Parent Methods Horizontal Inheritance - Using Traits Encapsulation Polymorphism Polymorphism vs. Method Overloading Polymorphism vs. Method Overriding Late Binding / Dynamic Binding Chapter 3: PHP Magic Methods Chapter 4: Abstract Classes & Methods abstract Keyword Extending sub-classes from an Abstract Base Class Abstract Methods final Keyword Chapter 5: Interfaces PHP Interfaces Explanation of What Interfaces Are and Why They are Useful interface & implements Keywords Implementing Multiple Interfaces Programming to the Interface Design-by-Contract Chapter 6: Static Methods & Properties The static Modifier The Scope Resolution Operator Static Properties Static Methods Singleton Pattern Late Static Binding The static Keyword vs. the self Keyword Chapter 7: PHP Error Control & Exception Handling The Built-in Exception Class Throwing an Exception The try-catch-finally Block Setting the Desired Error Sensitivity Level Setting Error Reporting 67 Error Reporting Sensitivity Levels Logging Options Chapter 8: The Model-View-Controller Design Pattern Understanding the Model-View-Controller Design Pattern Model View Controller The MCV URL Structure & URL Mapping Using the .htaccess File The index.php File The MVC Folder Structure Custom MVC Application - Restaurant Menu Management Application Showing the Menu Adding a Menu Item Assigning a Menu Item to a Menu Editing/Deleting Menu Items Download the Source Code for the Custom MVC Application (Restaurant Menu Management Application)

Producing a commercial-quality plug-in means going above and beyond the minimal requirements needed to integrate with Eclipse. It means attending to all those details that contribute to the "fit and polish" of a commercial offering. This comprehensive guide covers the entire process of plug-in development, including all the extra steps needed to achieve the highest quality results. Building on two internationally best-selling previous editions, Eclipse Plug-ins, Third Edition, has been fully revised to reflect the powerful new capabilities of Eclipse 3.4. Leading Eclipse experts Eric Clayberg and Dan Rubel present detailed, practical coverage of every aspect of plug-in development, as well as specific, proven solutions for the challenges developers are most likely to encounter. All code examples, relevant API listings, diagrams, and screen captures have been thoroughly updated to reflect both the Eclipse 3.4 API and the latest Java syntax. In addition, Clayberg and Rubel have completely revamped their popular Favorites View case study, reworking much of its content and recreating its code from scratch. The authors carefully cover new functionality added to existing Eclipse features, such as views and editors, and fully explain brand-new features such as Commands, GEF, and PDE Build. This extensively revised edition Thoroughly covers Eclipse's new preferences Illuminates the powerful new Eclipse Command Framework, which replaces Eclipse's older Action Framework Presents extensive new discussions of using commands with views and editors Introduces Mylyn, the new task-focused interface that reduces information overload and simplifies multi-tasking Contains an all-new chapter on using the Graphical Editing Framework (GEF) to build dynamic, interactive graphical user interface elements Walks you step by step through the entire PDE Build process Shows how to create update sites with p2, which replaces Eclipse's old Update Manager This book is designed for every experienced developer interested in extending the Eclipse platform, the Rational Software Development Platform, or any other platform that supports Eclipse plug-ins.

This IBM® Redbooks® publication documents and addresses topics to provide step-by-step programming concepts to tune the applications to use IBM POWER8® hardware architecture with the technical computing software stack. This publication explores, tests, and documents how to implement an IBM high-performance computing (HPC) solution on POWER8 by using IBM technical innovations to help solve challenging scientific, technical, and business problems. This book demonstrates and documents that the combination of IBM HPC hardware and software solutions delivers significant value to technical computing clients in need of cost-effective, highly scalable, and robust solutions. This book targets technical professionals (consultants, technical support staff, IT Architects, and IT Specialists) who are responsible for delivering cost-effective HPC solutions that help uncover insights among clients' data so that they can act to optimize business results, product development, and scientific discoveries.

IBM Tivoli Change and Configuration Management Database (CCMDB) V7.2.1 Implementation Guide
Selected Papers from the Ninth International Baltic Conference, DB & IS 2010
A Step-by-Step Guide to XPages Application Development and the XSP Language
einfache Java-Programmierung in der Open-Source-Welt ; [Start ohne Vorwissen]
IBM WebSphere Application Server Liberty Profile Guide for Developers
Eclipse 3ではじめるPHP5プログラミング入門 Eclipse PDT対応

IBM's Best-Selling Guide to XPages Development–Now Updated and Expanded for Lotus Notes/Domino 9.0.1 XPages instantly revolutionized Notes/Domino application development, and the newest versions deliver unprecedented performance and flexibility. Now, the popular insider's guide to XPages development has been updated and expanded to reflect all these improvements, through IBM Notes/Domino 9.0.1 and beyond. Three key members of the IBM XPages team have brought together comprehensive knowledge for delivering outstanding solutions. They have added several hundred pages of new content, including four new chapters. Drawing on their unsurpassed experience, they present new tips, samples, and best practices reflecting the platform's growing maturity. Writing for both XPages newcomers and experts, they cover the entire project lifecycle, including problem debugging, performance optimization, and application scalability. This second edition of Mastering XPages fully addresses enhancements to the XPages data sources for Domino views and documents; the latest XPages mobile library; the new Domino Designer Server-Side JavaScript debugger; and improvements to integrated technologies such as Dojo and CKEditor. Nearly every chapter contains at least one downloadable sample application, offering extensive hands-on practice. This guide concludes with complete references to XSP tags, relevant Java/JavaScript classes, and XSP style classes. Coverage includes * Understanding XPages' development paradigm, tooling, runtime framework, and application architecture * Configuring Domino Designer and integrating XPages Extension Library * Constructing application logic and using data binding controls * Reading/writing Notes documents: from use cases to design properties * Using Views, including examples of accessing calendars via REST * Making the most of Notes/Domino 9.0's new DataView control * Coding: from the basics to fully customized behavior * Advanced scripting: AJAX, Dojo, @Functions, managed beans, and more * Extending the Rich Text Editor's functionality * Building and consuming new controls with Extensibility APIs * Taking web applications offline in the Notes client * Building mobile apps: controls, design patterns, and best practices * Debugging Server-Side JavaScript with Domino Designer 9.0 * Creating apps that look and work great–for local and global audiences * Systematically optimizing performance and scalability * Protecting data and users: leveraging Domino and Notes security models

PDT(PHP Development Tools)登場。XAMPPでPHP環境を簡単にセットアップ。

This IBM® Redbooks® publication documents and addresses topics to provide step-by-step customizable application and programming solutions to tune application and workloads to use IBM Power SystemsTM hardware architecture. This publication explores, tests, and documents the solution to use the architectural technologies and the software solutions that are available from IBM to help solve challenging technical and business problems. This publication also demonstrates and documents that the combination of IBM high-performance computing (HPC) solutions (hardware and software) delivers significant value to technical computing clients who are in need of cost-effective, highly scalable, and robust solutions. First, the book provides a high-level overview of the HPC solution, including all of the components that makes the HPC cluster: IBM Power System S822LC (8335-GTB), software components, interconnect switches, and the IBM SpectrumTM Scale parallel file system. Then, the publication is divided in three parts: Part 1 focuses on the developers, Part 2 focuses on the administrators, and Part 3 focuses on the evaluators and planners of the solution. The IBM Redbooks publication is targeted toward technical professionals (consultants, technical support staff, IT Architects, and IT Specialists) who are responsible for delivering cost-effective HPC solutions that help uncover insights from vast amounts of client's data so they can optimize business results, product development, and scientific discoveries.

Professional Eclipse 3 for Java Developers
PHP This! a Beginners Guide to Learning Object Oriented PHP
Databases and Information Systems VI
Eclipse Plug-in Development: Beginner's Guide