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Cellulose Theo G.M. Van De Ven 2013-08-28 Cellulose is destined to play a major role in the emerging bioeconomy. Awareness of the environment and a depletion of fossil fuels are some of the driving forces for looking at forest biomaterials for an alternative source of energy, chemicals and materials. The importance of cellulose is widely recognized world-wide and as such the field of cellulose science is expanding exponentially. Cellulose, the most abundant biopolymer on earth, has unique properties which makes it an ideal starting point for transforming it into useful materials. To achieve this, a solid knowledge of cellulose is essential. As such this book on cellulose, the first in a series of three, is very timely. It deals with fundamental aspect of cellulose, giving the reader a good appreciation of the richness of cellulose properties. Book Cellulose - Fundamental Aspects is a good introduction to books Cellulose - Medical, Pharmaceutical and Electronic Applications and Cellulose - Biomass Conversion , in which applications of cellulose and its conversion to other materials are treated.
Software Architecture with Python Anand Balachandran Pillai 2017-04-28 Architect and design highly scalable, robust, clean, and highly performant applications in Python About This Book Identify design issues and make the necessary adjustments to achieve improved performance Understand practical architectural quality attributes from the perspective of a practicing engineer and architect using Python Gain knowledge of architectural principles and how they can be used to provide accountability and rationale for architectural decisions Who This Book Is For This book is for experienced Python developers who are aspiring to become the architects of enterprise-grade applications or software architects who would like to leverage Python to create effective blueprints of applications. What You Will Learn Build programs with the right architectural attributes Use Enterprise Architectural Patterns to solve scalable problems on the Web Understand design patterns from a Python perspective Optimize the performance testing tools in Python Deploy code in remote environments or on the Cloud using Python Secure architecture applications in Python In Detail This book starts off by explaining how Python fits into an application architecture. As you move along, you will understand the architecturally significant demands and how to determine them. Later, you'll get a complete understanding of the different architectural quality requirements that help an architect to build a product that satisfies business needs, such as maintainability/reusability, testability, scalability, performance, usability, and security. You will use various techniques such as incorporating DevOps, Continuous Integration, and more to make your application robust. You will understand when and when not to use object orientation in your applications. You will be able to think of the future and design applications that can scale proportionally to the growing business. The focus is on building the business logic based on the business process documentation and which frameworks are to be used when. We also cover some important patterns that are to be taken into account while solving design problems as well as those in relatively new domains such as the Cloud. This book will help you understand the ins and outs of Python so that you can make those critical design decisions that not just live up to but also surpass the expectations of your clients. Style and approach Filled with examples and use cases, this guide takes a no-nonsense approach to help you with everything it takes to become a successful software architect.
Siebel Field Service Guide
F&S Index Europe Annual 1999
Apple I Replica Creation Tom Owad 2005-02-17 The perfect book for computer hobbyists, Apple I Replica Creation: Back to the Garage is sure to equally appeal both to kids with gift certificates looking for fun on a snowy January day as well as to adults eager to learn the basics of simple microcomputer design. The book will begin by teaching readers the basics of computer processing by discussing the functionality of the 9 chip on the Apple I motherboard. From there, readers will be taught the basics of memory access and video input and output. Readers then learn how to assemble the various hardware components into a fully functioning Apple I replica. Finally, readers will learn how to write their own applications to take run on their new/old computer. *Written by the webmaster of AppleFritter.com, which is the most popular Mac hobbyist Web site on the internet with over 10,000 visitors a day. *Interest in vintage Apple I Computers is extremely high, with original machines selling for as much as $50,000. *The only modern-day book to address general microcomputer design from a hobbyist perspective
Building Digital Experience Platforms Shailesh Kumar Shivakumar 2019-01-31 Use digital experience platforms (DXP) to improve your development productivity and release timelines. Leverage the pre-integrated feature sets of DXPs in your organization's digital transformation journey to quickly develop a personalized, secure, and robust enterprise platform. In this book the authors examine various features of DXPs and provide rich insights into building each layer in a digital platform. Proven best practices are presented with examples for designing and building layers. A special focus is provided on security and quality attributes needed for business-critical enterprise applications. The authors cover modern and emerging digital trends such as Blockchain, IoT, containers, chatbots, artificial intelligence, and more. The book is divided into five parts related to requirements/design, development, security, infrastructure, and case study. The authors employ proven real-world methods, best practices, and security and integration techniques derived from their rich experience. An elaborate digital transformation case study for a banking application is included. What You'll Learn Develop a digital experience platform from end to endUnderstand best practices and proven methods for designing overall architecture, user interface and integration components, security, and infrastructureStudy real-world cases, including an elaborate digital transformation building an enterprise platform for a banking applicationKnow the open source tools and technology frameworks that can be used to build DXPs Who This Book Is For Web developers, full stack developers, digital enthusiasts, digital project managers, and architects
Java Message Service David A Chappell 2000-12-04 This book is a thorough introduction to Java Message Service (JMS), the standard Java application program interface (API) from Sun Microsystems that supports the formal communication known as "messaging" between computers in a network. JMS provides a common interface to standard messaging protocols and to special messaging services in support of Java programs. The messages exchange crucial data between computers, rather than between users--information such as event notification and service requests. Messaging is often used to coordinate programs in dissimilar systems or written in different programming languages.Using the JMS interface, a programmer can invoke

the messaging services of IBM's MQSeries, Progress Software's SonicMQ, and other popular messaging product vendors. In addition, JMS supports messages that contain serialized Java objects and messages that contain Extensible Markup Language (XML) pages.Messaging is a powerful new paradigm that makes it easier to uncouple different parts of an enterprise application. Messaging clients work by sending messages to a message server, which is responsible for delivering the messages to their destination. Message delivery is asynchronous, meaning that the client can continue working without waiting for the message to be delivered. The contents of the message can be anything from a simple text string to a serialized Java object or an XML document.Java Message Service shows how to build applications using the point-to-point and publish-and-subscribe models; how to use features like transactions and durable subscriptions to make an application reliable; and how to use messaging within Enterprise JavaBeans. It also introduces a new EJB type, the MessageDrivenBean, that is part of EJB 2.0, and discusses integration of messaging into J2EE.
IBM Eserver PSeries Sizing and Capacity Planning G. Benton Gibbs 2004
Performance Testing with JMeter - Second Edition Bayo Erinle 2015-04-24 This book is great for developers, quality assurance engineers, testers, and test managers new to Apache JMeter, or those who are looking to get a good grounding in how to effectively use and become proficient with JMeter. No prior testing experience is required.
Practical Subversion Garrett Rooney 2007-03-01 * Gets right to what you need to know; Covers advanced topics not documented in other books. * Eases transition from other Version Control systems. * Explains how to integrate Subversion with common development tools; Shows you how to embed Subversion in your own programs. * Rooney is one of the Subversion developers.
Python 101 Michael Driscoll 2014-06-03 Learn how to program with Python from beginning to end. This book is for beginners who want to get up to speed quickly and become intermediate programmers fast!
Handbook of Lubrication and Tribology George E. Totten 2006-04-06 When it was first published some two decades ago, the original Handbook of Lubrication and Tribology stood on technology's cutting-edge as the first comprehensive reference to assist the emerging science of tribology lubrication. Later, followed by Volume II, Theory and Design and Volume III, Monitoring, Materials, Synthetic Lubricants, and Ap
Radio Frequency and Microwave Electronics Illustrated Matthew M. Radmanesh 2001 Foreword by Dr. Asad Madni, C. Eng., Fellow IEEE, Fellow IEE Learn the fundamentals of RF and microwave electronics visually, using many thoroughly tested, practical examples RF and microwave technology are essential throughout industry and to a world of new applications-in wireless communications, in Direct Broadcast TV, in Global Positioning System (GPS), in healthcare, medical and many other sciences. Whether you're seeking to strengthen your skills or enter the field for the first time, Radio Frequency and Microwave Electronics Illustrated is the fastest way to master every key measurement, electronic, and design principle you need to be effective. Dr. Matthew Radmanesh uses easy mathematics and a highly graphical approach with scores of examples to bring about a total comprehension of the subject. Along the way, he clearly introduces everything from wave propagation to impedance matching in transmission line circuits, microwave linear amplifiers to hard-core nonlinear active circuit design in Microwave Integrated Circuits (MICs). Coverage includes: A scientific framework for learning RF and microwaves easily and effectively Fundamental RF and microwave concepts and their applications The characterization of two-port networks at RF and microwaves using S-parameters Use of the Smith Chart to simplify analysis of complex design problems Key design considerations for microwave amplifiers: stability, gain, and noise Workable considerations in the design of practical active circuits: amplifiers, oscillators, frequency converters, control circuits RF and Microwave Integrated Circuits (MICs) Novel use of "live math" in circuit analysis and design Dr. Radmanesh has drawn upon his many years of practical experience in the microwave industry and educational arena to introduce an exceptionally wide range of practical concepts and design methodology and techniques in the most comprehensible fashion. Applications include small-signal, narrow-band, low noise, broadband and multistage transistor amplifiers; large signal/high power amplifiers; microwave transistor oscillators, negative-resistance circuits, microwave mixers, rectifiers and detectors, switches, phase shifters and attenuators. The book is intended to provide a workable knowledge and intuitive understanding of RF and microwave electronic circuit design. Radio Frequency and Microwave Electronics Illustrated includes a comprehensive glossary, plus appendices covering key symbols, physical constants, mathematical identities/formulas, classical laws of electricity and magnetism, Computer-Aided-Design (CAD) examples and more. About the Web Site The accompanying web site has an "E-Book" containing actual design examples and methodology from the text, in Microsoft Excel environment, where files can easily be manipulated with fresh data for a new design.
Adobe After Effects 3.1 Indianapolis Adobe Systems Incorporated 1997 Written by the staff of the Adobe After Effects product team, this book is the fastest, easiest way to learn and master Adobe After Effects and have it up and working in hours. The CD contains movies, clips, images, sounds, and type used in tutorial files.
Software Engineering Frameworks for the Cloud Computing Paradigm Zaigham Mahmood 2013-04-19 This book presents the latest research on Software Engineering Frameworks for the Cloud Computing Paradigm, drawn from an international selection of researchers and practitioners. The book offers both a discussion of relevant software engineering approaches and practical guidance on enterprise-wide software deployment in the cloud environment, together with real-world case studies. Features: presents the state of the art in software engineering approaches for developing cloud-suitable applications; discusses the impact of the cloud computing paradigm on software engineering; offers guidance and best practices for students and practitioners; examines the stages of the software development lifecycle, with a focus on the requirements engineering and testing of cloud-based applications; reviews the efficiency and performance of cloud-based applications; explores feature-driven and cloud-aided software design; provides relevant theoretical frameworks, practical approaches and future research directions.
Honoring the Code Matt Barton 2016-04-19 If you want to be successful in any area of game development-game design, programming, graphics, sound, or publishing-you should know how standouts in the industry approach their work and address problems. In Honoring the Code: Conversations with Great Game Designers, 16

groundbreaking game developers share their stories and offer advice for anyone

The Cloud at Your Service Arthur Mateos 2010-11-21 Cloud Computing is here to stay. As an economically viable way for businesses of all sizes to distribute computing, this technology shows tremendous promise. But the intense hype surrounding the Cloud is making it next to impossible for responsible IT managers and businessdecision-makers to get a clear understanding of what the Cloud really means, what it might do for them, when it is practical, and what their future with the Cloud looks like. The Cloud at Your Service helps cut through all this fog to help enterprises make these critical decisions based on facts and the authors' informed unbiased recommendations and predictions. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

Applying Real-world BPM in an SAP Environment Ann Rosenberg 2011 • Learn what business process management (BPM) is and how to get started within an SAP context• Benefit from a comprehensive compilation of use cases from early adopters• Discover SAP technology, methodology, governance, process-based implementation content, and performance & value metricsIn this unique book, you will learn how to span the gap between business processes and information technology, as well as how to apply BPM within SAP projects. The authors provide extensive information on everything you need to know about the processes and methods to implement BPM (new ASAP, process-based implementation content, BPM technology, and more). Through real-world examples, best practices, and advice from SAP experts, you will understand how BPM works and how you can best use it to your advantage. Additionally, use cases from industry leaders and innovators show you how these early adopters improved their businesses by using BPM technology and methodology.Linking Strategy to OperationExplore how a company's business model is linked to the process model, therefore including performance and value drivers.BPM AnatomyGet an in-depth look at what makes BPM in SAP environments so effective, and understand all of the options and unique add-ons that are available for you to link to your SAP system.Real-Life ExamplesExplore use cases from different industries to understand how BPM can be applied to your project to maximize efficiency, streamline process performance, achieve performance and value creation, and optimize customer relations.Applicable Software for BPMLearn how standard software in general and SAP products in particular relate to the BPM approach.Bonus MaterialAccess additional articles via the SAP PRESS website on some of BPM's future trends and more advanced fields from top BPM and SAP experts and researchers.Highlights☐ Business Model Management• Performance and Value Drivers• ASAP 7 Core Methodology and Business• Add-Ons to ASAP• Implementation Quality and Process-Based• Implementation• Governance Framework and Agile• Methodology• Enterprise Architecture and SOA• SAP NetWeaver BPM and BRM• SAP NetWeaver Composition Environment• Rules and Decision Management• Process Lifecycles• Business Value Management

.NET Design Patterns Praseed Pai 2017-01-31 Explore the world of .NET design patterns and bring the benefits that the right patterns can offer to your toolkit today About This Book Dive into the powerful fundamentals of .NET framework for software development The code is explained piece by piece and the application of the pattern is also showcased. This fast-paced guide shows you how to implement the patterns into your existing applications Who This Book Is For This book is for those with familiarity with .NET development who would like to take their skills to the next level and be in the driver's seat when it comes to modern development techniques. Basic object-oriented C# programming experience and an elementary familiarity with the .NET framework library is required. What You Will Learn Put patterns and pattern catalogs into the right perspective Apply patterns for software development under C#/.NET Use GoF and other patterns in real-life development scenarios Be able to enrich your design vocabulary and well articulate your design thoughts Leverage object/functional programming by mixing OOP and FP Understand the reactive programming model using Rx and RxJs Writing compositional code using C# LINQ constructs Be able to implement concurrent/parallel programming techniques using idioms under .NET Avoiding pitfalls when creating compositional, readable, and maintainable code using imperative, functional, and reactive code. In Detail Knowing about design patterns enables developers to improve their code base, promoting code reuse and making their design more robust. This book focuses on the practical aspects of programming in .NET. You will learn about some of the relevant design patterns (and their application) that are most widely used. We start with classic object-oriented programming (OOP) techniques, evaluate parallel programming and concurrency models, enhance implementations by mixing OOP and functional programming, and finally to the reactive programming model where functional programming and OOP are used in synergy to write better code. Throughout this book, we'll show you how to deal with architecture/design techniques, GoF patterns, relevant patterns from other catalogs, functional programming, and reactive programming techniques. After reading this book, you will be able to convincingly leverage these design patterns (factory pattern, builder pattern, prototype pattern, adapter pattern, facade pattern, decorator pattern, observer pattern and so on) for your programs. You will also be able to write fluid functional code in .NET that would leverage concurrency and parallelism! Style and approach This tutorial-based book takes a step-by-step approach. It covers the major patterns and explains them in a detailed manned along with code examples.

Implementing Automated Software Testing Elfriede Dustin 2009-03-04 "This book fills a huge gap in our knowledge of software testing. It does an excellent job describing how test automation differs from other test activities, and clearly lays out what kind of skills and knowledge are needed to automate tests. The book is essential reading for students of testing and a bible for practitioners." —Jeff Offutt, Professor of Software Engineering, George Mason University "This new book naturally expands upon its predecessor, Automated Software Testing, and is the perfect reference for software practitioners applying automated software testing to their development efforts. Mandatory reading for software testing professionals!" —Jeff Rashka, PMP, Coauthor of Automated Software Testing and Quality Web Systems Testing accounts for an increasingly large percentage of the time and cost of new software development. Using automated software testing (AST), developers and software testers can optimize the software testing lifecycle and thus reduce cost. As technologies and development grow increasingly complex, AST becomes even more indispensable. This book builds on some of the proven practices and the automated testing lifecycle methodology (ATLM) described in Automated Software Testing and provides a renewed practical, start-to-finish guide to implementing AST successfully. In Implementing Automated Software Testing, three leading experts explain AST in detail, systematically reviewing its components, capabilities, and limitations. Drawing on their experience deploying AST in both defense and commercial industry, they walk you through the entire implementation process—identifying best practices, crucial success factors, and key pitfalls along with solutions for avoiding them. You will learn how to: Make a realistic business case for AST, and use it to drive your initiative Clarify your testing requirements and develop an automation strategy that reflects them Build efficient test environments and choose the right automation tools and techniques for your environment Use proven metrics to continuously track your progress and adjust accordingly Whether you're a test professional, QA specialist, project manager, or developer, this book can help you bring unprecedented efficiency to testing—and then use AST to improve your entire development lifecycle.

Collaborative Application Lifecycle Management with IBM Rational Products Mats

Göthe 2008-01-01

Sams Teach Yourself E-Commerce Programming with ASP in 21 Days Stephen Walther 1996-04-20 The friendly, tutorial style of Sams Teach Yourself E-Commerce Programming with ASP in 21 Days empowers you to create your own online stores quickly and easily. Using online-proven methods, Stephen Walther, an expert e-commerce developer, provides you with an understanding of online commerce applications, then guides you through the use of VBScript and ASP's built-in objects, enabling you to create your own dynamic, database-driven e-commerce solutions. This book does not stop at just creating the online store. The author teaches you to create order tracking systems, manage advertising, create store reports, personalize the shopping experience and much more.

UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools Martin Gogolla 2001-09-19 This book contains a range of essays on topics in the emerging field of 'constitutional political economy'. This field of enquiry is strongly associated with the name of James M. Buchanan whose research program has been the point of departure for this field. The essays are a selection of those written by colleagues and researchers in the field to honor Buchanan on the occasion of his 80th birthday. They cover a wide range of topics but fall primarily into two sets: one set dealing with methodological aspects of the c.p.e. approach; the other dealing with specific applications in a variety of policy areas, ranging from 'economic transformation' to monetary policy regimes to health care. One particular issue in the methodological area relates to the model of motivation used - and more especially, the role of 'morality' in economic and political behavior. The five essays on this topic make up one of the sections of the book, and justify reference to the issue in the volume's title.

Java/J2EE Job Interview Companion Arulkumaran Kumaraswamipillai 2007 400+ Java/J2EE Interview questions with clear and concise answers for: job seekers (junior/senior developers, architects, team/technical leads), promotion seekers, pro-active learners and interviewers. Lulu top 100 best seller. Increase your earning potential by learning, applying and succeeding. Learn the fundamentals relating to Java/J2EE in an easy to understand questions and answers approach. Covers 400+ popular interview Q&A with lots of diagrams, examples, code snippets, cross referencing and comparisons. This is not only an interview guide but also a quick reference guide, a refresher material and a roadmap covering a wide range of Java/J2EE related topics. More Java J2EE interview questions and answers & resume resources at http: //www.lulu.com/java-succes

Software Architecture with C# 9 and .NET 5 Gabriel Baptista 2020-12-28 Design scalable and high-performance enterprise applications using the latest features of C# 9 and .NET 5 Key FeaturesGain fundamental and comprehensive software architecture knowledge and the skillset to create fully modular appsDesign high-performance software systems using the latest features of .NET 5 and C# 9Solve scalability problems in web apps using enterprise architecture patternsBook Description Software architecture is the practice of implementing structures and systems that streamline the software development process and improve the quality of an app. This fully revised and expanded second edition, featuring the latest features of .NET 5 and C# 9, enables you to acquire the key skills, knowledge, and best practices required to become an effective software architect. This second edition features additional explanation of the principles of Software architecture, including new chapters on Azure Service Fabric, Kubernetes, and Blazor. It also includes more discussion on security, microservices, and DevOps, including GitHub deployments for the software development cycle. You will begin by understanding how to transform user requirements into architectural needs and exploring the differences between functional and non-functional requirements. Next, you will explore how to carefully choose a cloud solution for your infrastructure, along with the factors that will help you manage your app in a cloud-based environment. Finally, you will discover software design patterns and various software approaches that will allow you to solve common problems faced during development. By the end of this book, you will be able to build and deliver highly scalable enterprise-ready apps that meet your organization's business requirements. What you will learnUse different techniques to overcome real-world architectural challenges and solve design consideration issuesApply architectural approaches such as layered architecture, service-oriented architecture (SOA), and microservicesLeverage tools such as containers, Docker, Kubernetes, and Blazor to manage microservices effectivelyGet up to speed with Azure tools and features for delivering global solutionsProgram and maintain Azure Functions using C# 9 and its latest featuresUnderstand when it is best to use test-driven development (TDD) as an approach for software developmentWrite automated functional test casesGet the best of DevOps principles to enable CI/CD environmentsWho this book is for This book is for engineers and senior software developers aspiring to become architects or looking to build enterprise applications with the .NET Stack. Basic familiarity with C# and .NET is required to get the most out of this book.

Java WebSocket Programming Dr. Danny Coward 2013-10-07 Master Application Development with Java WebSocket Build dynamic enterprise Web applications that fully leverage state-of-the-art communication technologies. Written by the leading expert on Java WebSocket programming, this Oracle Press guide offers practical development strategies and detailed example applications. Java WebSocket Programming explains how to design client/server applications, incorporate full-duplex messaging, establish connections, create endpoints, handle path mapping, and secure data. You'll also learn how to encrypt Web transmissions and enrich legacy applications with Java WebSocket. Develop Web applications using the Java WebSocket API Create and publish annotated and programmatic endpoints Manage the lifecycle events of WebSocket endpoints Maintain reliable connections across the endpoint lifecycle Manage synchronous and asynchronous messaging Define encoding and decoding strategies for complex messaging Configure message timeouts, size limits, and exceptions Map message paths and route incoming URIs to Web containers Secure data, authenticate users, and encrypt connections

Testing SAP Solutions Markus Helfen 2010-12-01 No testing means no Go-live! But how do you make sure that your tests are comprehensive and deliver valid results? This complete guide to test planning and test execution answers all of your questions. Not only will you learn the basics for a test strategy and a test methodology that fit the requirements of your solution, you will also understand functionality and usage of all the tools SAP and their partners provide for testing: Extensive, practical chapters on the most important tools, SAP Solution Manager and eCATT, as well as substantial coverage of TDMS, HP Quality Center, and SAP LoadRunner show exactly how to perform functional and performance tests. In addition, for each tool you'll find a real-life project report from a well known SAP customer.For this second edition, the book has been thoroughly revised and extended by more than 350 pages. New topics include SAP TAO, HP Quality Center, RunSAP, and SOA testing.

Java Performance Scott Oaks 2020-02-11 Coding and testing are generally considered separate areas of expertise. In this practical book, Java expert Scott Oaks takes the approach that anyone who works with Java should be adept at understanding how code behaves in the Java Virtual Machine—including the tunings likely to help performance. This updated second edition helps you gain in-depth knowledge of Java application performance using both the JVM and the Java platform. Developers and performance engineers alike will learn a variety of features, tools, and processes for improving the way the Java 8 and 11 LTS releases perform. While the emphasis is on production-supported releases and features, this book also features previews of exciting new technologies such as ahead-of-time compilation and experimental

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garbage collections. Understand how various Java platforms and compilers affect performance Learn how Java garbage collection works Apply four principles to obtain best results from performance testing Use the JDK and other tools to learn how a Java application is performing Minimize the garbage collector's impact through tuning and programming practices Tackle performance issues in Java APIs Improve Java-driven database application performance

Liferay Portal Performance Best Practices Samir Bhatt 2013-06-10 A step-by-step tutorial on implementing Liferay- based portals to learn performance best practices.The book is good for Liferay portal developers and architects who want to learn performance best practices for implementing Liferay- based solutions. It is assumed that you have a working knowledge of the Liferay portal.

Web Scraping with Python Richard Lawson 2015-10-28 Successfully scrape data from any website with the power of Python About This Book A hands-on guide to web scraping with real-life problems and solutions Techniques to download and extract data from complex websites Create a number of different web scrapers to extract information Who This Book Is For This book is aimed at developers who want to use web scraping for legitimate purposes. Prior programming experience with Python would be useful but not essential. Anyone with general knowledge of programming languages should be able to pick up the book and understand the principals involved. What You Will Learn Extract data from web pages with simple Python programming Build a threaded crawler to process web pages in parallel Follow links to crawl a website Download cache to reduce bandwidth Use multiple threads and processes to scrape faster Learn how to parse JavaScript-dependent websites Interact with forms and sessions Solve CAPTCHAs on protected web pages Discover how to track the state of a crawl In Detail The Internet contains the most useful set of data ever assembled, largely publicly accessible for free. However, this data is not easily reusable. It is embedded within the structure and style of websites and needs to be carefully extracted to be useful. Web scraping is becoming increasingly useful as a means to easily gather and make sense of the plethora of information available online. Using a simple language like Python, you can crawl the information out of complex websites using simple programming. This book is the ultimate guide to using Python to scrape data from websites. In the early chapters it covers how to extract data from static web pages and how to use caching to manage the load on servers. After the basics we'll get our hands dirty with building a more sophisticated crawler with threads and more advanced topics. Learn step-by-step how to use Ajax URLs, employ the Firebug extension for monitoring, and indirectly scrape data. Discover more scraping nitty-gritties such as using the browser renderer, managing cookies, how to submit forms to extract data from complex websites protected by CAPTCHA, and so on. The book wraps up with how to create high-level scrapers with Scrapy libraries and implement what has been learned to real websites. Style and approach This book is a hands-on guide with real-life examples and solutions starting simple and then progressively becoming more complex. Each chapter in this book introduces a problem and then provides one or more possible solutions.

Performance Testing With JMeter 2.9 Bayo Erinle 2013-01-01 Performance Testing With JMeter 2.9 is a standard tutorial that will help you polish your fundamentals, guide you through various advanced topics, and along the process help you learn new tools and skills.This book is for developers, quality assurance engineers, testers, and test managers new to Apache JMeter, or those who are looking to get a good grounding in how to effectively use and become proficient with it. No prior testing experience is required.

Modern ERP: Select, Implement, and Use Today's Advanced Business Systems Marianne Bradford 2020-06-15 Modern ERP provides a comprehensive overview of enterprise resource planning (ERP) systems and related systems and technologies and can be used in an undergraduate or graduate information systems or supply chain course. The book is also useful and practical for professionals interested in learning more about ERP systems. This 4th edition continues to be vendor-agnostic and has been substantially revised to keep pace with technological advances and current research in ERP. Modern ERP begins with an introduction to ERP, followed by ERP technology, business process reengineering (BPR), and process mapping. Also discussed is the myriad of activities involved in planning for and implementing ERP systems and the functionality included in ERP such as financial management, sales and order fulfillment, supply chain, and human capital management. The book concludes with ERP security and business analytics. Innovative graphics and screenshots of ERP, CRM, and business analytics software have been included in the text to facilitate the learning process.

Rootkits and Bootkits Alex Matrosov 2019-05-07 Rootkits and Bootkits will teach you how to understand and counter sophisticated, advanced threats buried deep in a machine's boot process or UEFI firmware. With the aid of numerous case studies and professional research from three of the world's leading security experts, you'll trace malware development over time from rootkits like TDL3 to present-day UEFI implants and examine how they infect a system, persist through reboot, and evade security software. As you inspect and dissect real malware, you'll learn: • How Windows boots—including 32-bit, 64-bit, and UEFI mode—and where to find vulnerabilities • The details of boot process security mechanisms like Secure Boot, including an overview of Virtual Secure Mode (VSM) and Device Guard • Reverse engineering and forensic techniques for analyzing real malware, including bootkits like Rovnix/Carberp, Gapz, TDL4, and the infamous rootkits TDL3 and Festi • How to perform static and dynamic analysis using emulation and tools like Bochs and IDA Pro • How to better understand the delivery stage of threats against BIOS and UEFI firmware in order to create detection capabilities • How to use virtualization tools like VMware Workstation to reverse engineer bootkits and the

Intel Chipsec tool to dig into forensic analysis Cybercrime syndicates and malicious actors will continue to write ever more persistent and covert attacks, but the game is not lost. Explore the cutting edge of malware analysis with Rootkits and Bootkits. Covers boot processes for Windows 32-bit and 64-bit operating systems.

Mastering SoapUI Pranai Nandan 2016-08-30 Master the art of testing and automating your SOA using SoapUI About This Book Design real-time test automation frameworks for Enterprise applications using SoapUI Learn how to solve test automation issues for complex systems A complete guide to understanding SOA automation from quality assurance to business assurance Who This Book Is For The book is intended for test architects, SOA test specialists, automation testers, test managers, and software developers who have a good understanding of SOA, web services, Groovy Scripting, and the SOAP UI tool. What You Will Learn Familiarize yourself with Test Web services from functional, nonfunctional, and security aspects Learn to test real-time service orchestrations Design test automation solutions for SOA-based Enterprise applications Learn multilayer test automation Selenium plus SoapUI under a single umbrella Integrate your SoapUI framework with Jenkins In Detail SoapUI is an open-source cross-platform testing application that provides complete test coverage and supports all the standard protocols and technologies. This book includes real-time examples of implementing SoapUI to achieve quality and business assurance. Starting with the features and functionalities of SoapUI, the book will then focus on functional testing, load testing, and security testing of web services. Furthermore, you will learn how to automate your services and then design data-driven, keyword-driven, and hybrid-driven frameworks in SoapUI. Then the book will show you how to test UIs and services using SoapUI with the help of Selenium. You will also learn how to integrate SoapUI with Jenkins for CI and SoapUI test with QC with backward- and forward-compatibility. The final part of the book will show you how to virtualize a service response in SoapUI using Service Mocking. You will finish the journey by discovering the best practices for SoapUI test automation and preparing yourself for the online certification of SoapUI. Style and approach Filled with real-time examples, this book will help readers take their knowledge to the next level. This book is a comprehensive guide that will cover the end-to-end life cycle of implementing SoapUI in various phases of software testing and the software development life cycle.

Upgrading SAP® Maurice Sens 2008-02-21 The purpose of this book is to remove the veil of secrecy surrounding SAP upgrade techniques and concepts, and to provide the user with a detailed description of the steps needed for a successful implementation. Today more than 12 million people in 120 countries who are working for 36,200 companies are using SAP on a regular basis. This popular, but very complex software system must be constantly reconfigured and upgraded to accommodate its latest releases. Upgrading SAP provides a complete overview of the process to upgrade from one SAP release to the next one and explains with detailed descriptions, the use of all relevant SAP upgrade tools. Along with a technical description of the SAP NetWeaver Application Server (AS), it also discusses personnel issues and the economic ramifications of such an upgrade project. Examples in this book are based on various different SAP products and releases, such as SAP NetWeaver 2004, 2004S (also known as NetWeaver 7.0 and 7.1), and SAP Business Suite 2005 with SAP ERP 6.0, BI, CRM, SCM, and SRM. Conceived as both a teaching book and as a reference manual, it covers all the techniques, background information, notes, tips, and tricks needed for any SAP upgrade project. A CD-ROM accompanies the book with templates and outlines for the upgrading process, as well as third-party SAP-related material.

Software Quality Assurance Rajiv Chopra 2018-04-09 This overview of software quality assurance testing in a "self-teaching" format contains easy-to- understand chapters with tips and insights about software quality, its basic concepts, applications, and practical case studies. It includes numerous, end-of-chapter questions with answers to test your knowledge and reinforce mastery of the concepts being presented. The book also includes state of the art material on the video-game testing process (Chapter 14) and a game-testing plan template (Chapter 15) and Game Testing by the Numbers (Chapter 16). Features: • Covers important topics such as black, white, and gray box testing, test management, automation, levels of testing, quality models, system and acceptance testing and more • Covers video game testing and effectiveness • Self-teaching method includes software lab experiments, numerous exercises (many with answers), projects, and case studies

Java" Puzzlers: Traps, Pitfalls, And Corner Cases Bloch 2005-09

SoapUI Cookbook Rupert Anderson 2015-02-27 This book is aimed at developers and technical testers who are looking for a quick way to take their SoapUI skills and understanding to the next level. Even if you are new to SoapUI but have basic Java skills and a reasonable grasp of RESTFul and Soap web services, then you should have no problem making use of this book.

Data Sources 2000

Software Testing Rajiv Chopra 2018-02-05 This overview of software testing provides key concepts, case studies, and numerous techniques to ensure software is reliable and secure. Using a self-teaching format, the book covers important topics such as black, white, and gray box testing, video game testing, test point analysis, automation, and levels of testing. Includes end-of-chapter multiple-choice questions / answers to increase mastering of the topics. Features: • Includes case studies, case tools, and software lab experiments • Covers important topics such as black, white, and gray box testing, test management, automation, levels of testing, • Covers video game testing • Self-teaching method includes numerous exercises, projects, and case studies