

# Onbase Api Umentation

[Java SE 8 for Programmers](#) [API Management](#) [Machine Vision Algorithms in Java](#) **Build APIs You Won't Hate** [Continuous API Management](#) [Hacking APIs](#) [Creating Maintainable APIs](#) [RESTful API Design](#) [Trends and Advances in Information Systems and Technologies](#) [Big Java Testing](#) [Web APIs](#) [Big Java: Early Objects, 6th Edition](#) **Fundamental Approaches to Software Engineering** [Applying Computational Linguistics on API Documentation](#) **Design and Build Great Web APIs** **SUSE Manager 3.1** [Designing Web APIs with Strapi](#) **Pro ASP.NET Web API Web Services - ICWS 2020** [APIs: A Strategy Guide](#) **Continuous API Management** **Web Engineering** [RESTful Web APIs](#) [Designing APIs with Swagger and OpenAPI](#) [Implementing Oracle API Platform Cloud Service](#) **Software Architecture** [Practical Python Data Wrangling and Data Quality](#) [Horstmann, Java Concepts Early Objects, Eighth Edition](#) [The Design of Web APIs](#) [Java Concepts](#) **Current Trends in Web Engineering** [Bug Bounty Bootcamp](#) **Apache Cordova 4 Programming** [Camel in Action](#) **The Java Tutorial** **React Material-UI Cookbook** **Web Data APIs for Knowledge Graphs** [Node Cookbook](#) [Java 2 For Dummies](#) **JavaScript Application Design**

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**Software Architecture** Sep 09 2020 This book constitutes the refereed proceedings of the 15th International Conference on Software Architecture, ECSA 2021, held in Sweden, in September 2021. Due to the COVID-19 pandemic, the conference was held virtually. For the Research Track, 11 full papers, presented together with 5 short papers, were carefully reviewed and selected from 58 submissions. The papers are organized in topical sections as follows: architectures for reconfigurable and self-adaptive systems; machine learning for software architecture; architectural knowledge, decisions, and rationale; architecting for quality attributes; architecture-centric source code analysis; and experiences and learnings from industrial case studies.

[APIs: A Strategy Guide](#) Mar 16 2021 Programmers used to be the only people excited about APIs, but now a growing number of companies see them as a hot new product channel. This concise guide describes the tremendous business potential of APIs, and demonstrates how you can use them to provide valuable services to clients, partners, or the public via the Internet. You'll learn all the steps necessary for building a cohesive API business strategy from experts in the trenches. Facebook and Twitter APIs continue to be extremely successful, and many other companies find that API demand greatly exceeds website traffic. This book offers executives, business development teams, and other key players a complete roadmap for creating a viable API product. Learn about the rise of APIs and why your business might need one Understand the roles of asset owners, providers, and developers in the API value chain Build strategies for designing, implementing, and marketing your product Devise an effective process for security and user management Address legal issues, such as rights management and terms of use Manage traffic and user experience with a reliable operating model Determine the metrics you need to measure your API's success

**Current Trends in Web Engineering** Apr 04 2020 This book constitutes the thoroughly refereed post-workshop proceedings and the doctoral symposium of the 12th International Conference on Web Engineering, ICWE 2012, held in Berlin, Germany, in July 2012. The volume contains four workshops and a doctoral consortium, each focusing on specific research issues that contribute to the main themes of the ICWE conference: MDWE 2012: Eighth International Workshop on Model-Driven and Agile Engineering for the Web, ComposableWeb 2012: Fourth International Workshop on Lightweight Integration on the Web, WeRE 2012: Third Workshop on the Web and Requirements Engineering, QWE 2012: Third International Workshop on Quality in Web Engineering.

**Hacking APIs** May 30 2022 Hacking APIs is a crash course in web API security testing that will prepare you to penetration-test APIs, reap high rewards on bug bounty programs, and make your own APIs more secure. Hacking APIs is a crash course on web API security testing that will prepare you to penetration-test APIs, reap high rewards on bug bounty programs, and make your own APIs more secure. You'll learn how REST and GraphQL APIs work in the wild and set up a streamlined API testing lab with Burp Suite and Postman. Then you'll master tools useful for reconnaissance, endpoint analysis, and fuzzing, such as Kiterunner and OWASP Amass. Next, you'll learn to perform common attacks, like those targeting an API's authentication mechanisms and the injection vulnerabilities commonly found in web applications. You'll also learn techniques for bypassing protections against these attacks. In the book's nine guided labs, which target intentionally vulnerable APIs, you'll practice: • Enumerating APIs users and endpoints using fuzzing techniques • Using Postman to discover an excessive data exposure vulnerability • Performing a JSON Web Token attack against an API authentication process • Combining multiple API attack techniques to perform a NoSQL injection • Attacking a GraphQL API to uncover a broken object level authorization vulnerability By the end of the book, you'll be prepared to uncover those high-payout API bugs other hackers aren't finding and improve the security of applications on the web.

[Testing Web APIs](#) Dec 25 2021 Ensure your web APIs are consistent and bug-free by implementing an automated testing process. In Testing Web APIs you will: Design and implement a web API testing strategy Set up a test automation suite Learn contract testing with Pact Facilitate collaborative discussions to test web API designs Perform exploratory tests Experiment safely in a downloadable API sandbox environment Testing Web APIs teaches you to plan and implement the perfect testing strategy for your web APIs. In it, you'll explore dozens of different testing activities to help you develop a custom testing regime for your projects. This practical book demystifies abstract strategic concepts by applying them to common API testing scenarios, revealing how these complex ideas work in the real world. You'll learn to take a risk-driven approach to API testing, and build a strategy that goes beyond the basics of code and requirements coverage. Your whole team will soon be involved in ensuring quality! Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Web APIs are the public face of your application, and they need to be perfect. Implementing an automated testing program is the best way to ensure that your web APIs are production ready. About the book Testing Web APIs is a unique and practical guide, from the initial design of your testing suite through techniques for documentation, implementation, and delivery of consistently excellent APIs. You'll see a wide range of testing techniques, from exploratory to live testing of production code, and how to save time with automation using industry-standard tools. This book helps take the hassle out of API testing. What's inside Design and implement a web API testing strategy Set up a test automation suite Contract testing with Pact Hands-on practice in the downloadable API sandbox About the reader For dedicated software QA and testers, or experienced developers. Examples in Java. About the author Mark Winteringham is the OpsBoss at Ministry of Testing, where he teaches many aspects of software testing. Table of Contents PART 1 THE VALUE OF WEB API TESTING 1 Why and how we test web APIs 2 Beginning our testing journey 3 Quality and risk PART 2 BEGINNING OUR TEST STRATEGY 4 Testing API designs 5 Exploratory testing APIs 6 Automating web API tests 7 Establishing and implementing a testing

strategy PART 3 EXPANDING OUR TEST STRATEGY 8 Advanced web API automation 9 Contract testing 10 Performance testing 11 Security testing 12 Testing in production

**Applying Computational Linguistics on API Documentation** Sep 21 2021 An important software engineering artifact used by developers and maintainers to assist in software comprehension and maintenance is source code documentation. It provides the insight needed by software engineers when performing a task, and therefore ensuring the quality of documentation is extremely important. Since software documentation is written in informal natural language, ensuring its quality needs to be performed manually. In this work, we present a novel and automated approach for assessing the quality of in-line documentation using Natural Language Processing (NLP), also known as Computational Linguistics. We gear our efforts towards targeting both the quality of the language used within API documentation, and determining the consistency between source code and its comments.

**RESTful Web APIs** Dec 13 2020 The popularity of REST in recent years has led to tremendous growth in almost-RESTful APIs that don't include many of the architecture's benefits. With this practical guide, you'll learn what it takes to design usable REST APIs that evolve over time. By focusing on solutions that cross a variety of domains, this book shows you how to create powerful and secure applications, using the tools designed for the world's most successful distributed computing system: the World Wide Web. You'll explore the concepts behind REST, learn different strategies for creating hypermedia-based APIs, and then put everything together with a step-by-step guide to designing a RESTful Web API. Examine API design strategies, including the collection pattern and pure hypermedia Understand how hypermedia ties representations together into a coherent API Discover how XMDP and ALPS profile formats can help you meet the Web API "semantic challenge" Learn close to two-dozen standardized hypermedia data formats Apply best practices for using HTTP in API implementations Create Web APIs with the JSON-LD standard and other the Linked Data approaches Understand the CoAP protocol for using REST in embedded systems

**Creating Maintainable APIs** Apr 28 2022 Build straightforward and maintainable APIs to create services that are usable and maintainable. Although this book focuses on distributed services, it also emphasizes how the core principles apply even to pure OOD and OOP constructs. The overall context of Creating Maintainable APIs is to classify the topics into four main areas: classes and interfaces, HTTP REST APIs, messaging APIs, and message payloads (XML, JSON and JSON API as well as Apache Avro). What You Will Learn Use object-oriented design constructs and their APIs Create and manage HTTP REST APIs Build and manage maintainable messaging APIs, including the use of Apache Kafka as a principal messaging hub Handle message payloads via JSON Who This Book Is For Any level software engineers and very experienced programmers.

**React Material-UI Cookbook** Oct 30 2019 Develop modern-day applications by implementing Material Design principles in React using Material-UI Key Features Use React components to build intuitive UI elements Explore a variety of styles and themes in the Material-UI framework using React components Learn practical React recipes and best practices for building modern web applications Book Description Material-UI is a component library for rendering UI elements, using modern best practices from React and Material Design. This book will show you how you can create impressive and captivating modern-day web apps by implementing Material Design considerations. The book is designed to help you use a variety of Material-UI components to enhance UI functionality, along with guiding you through React best practices, and using state, context, and other new React 16.8 features. You will start with layout and navigation, exploring the Grid component and understanding how it's used to build layouts for your Material-UI apps. Using Material-UI components, you'll then explore the technique of effectively presenting information. In later sections, you will also learn about the different components for user interactions such as the text input component and buttons. Finally, the book will get you up to speed with customizing the look and feel of your app, right from creating a Material-UI theme through to styling icons and text. By the end of this book, you will have developed the skills you need to improve the look and feel of your applications using Material-UI components. What you will learn Build the overall structure and navigation for your Material-UI app Present simple and complex information in a variety of ways Develop interactive and intuitive controls Group content into sections using tabs and expansion panels Create a general page layout with Material-UI grids Use lists for complex data, and cards for detailed information Who this book is for This book is for React developers who want to implement Material Design principles in their applications. You will also find this book helpful if you are a developer who wants to build a UI using React components without having to build your own UX framework.

**Java 2 For Dummies** Jul 28 2019 This updated bestseller covers programming essentials for the newest version of Java, the popular platform-independent, object-oriented programming language The material is fully updated and focuses on the new Java SDK 1.5, addressing the needs of new or inexperienced Java developers The fun and easy writing style walks readers through Java syntax basics and helps them write their first program Shows readers how to create basic Java objects and figure out when they can reuse existing code The new edition is also modified to better address the readers who may have some programming knowledge, but who are new to Java

**API Management** Oct 03 2022 Maximize the impact of your assets and business services by providing APIs for developers and other users. The journey described in this book starts with identifying business assets. As part of the API team, you then need to identify and define the requirements of traffic management, security, mediation, and orchestration. You also must define metrics for the analytics to measure the success of the overall API program. API documentation and the ease of developer onboarding also determine the success of the APIs. Finally, monetization of these APIs leads to revenue generation for the enterprise. Author De — an expert in building and managing API solutions — provides enterprise architects, designers, and technologists with insight into the world of APIs and the various technical aspects of building and managing an effective API management solution. API Management: Developing and Managing APIs for your Organization: Introduces the basics of APIs and highlights their value Provides an overview of technologies for building an API management solution and defines the requirements, including how to build a RESTful API Offers design principles for building developer-friendly APIs Explains how to secure your APIs Shows how to use API analytics to measure the success of your APIs Demonstrates how to monetize APIs Finally, API Management touches on various technical nuances of creating, distributing, and managing an API. This book will not only help you learn how to design, build, deploy, and manage an API for an enterprise scale, but also generate revenue for your organization. What You'll Learn Discover the API life cycle Design and develop APIs Implement API security Test your APIs Deploy and monitor your APIs Who This Book Is For Enterprise architects, technology enthusiasts, security architects, and operations specialists.

**Web Engineering** Jan 14 2021 This book constitutes the proceedings of the 20th International Conference on Web Engineering, ICWE 2020, which was planned to take place in Helsinki, Finland, during June 9-12, 2020. Due to the corona pandemic the conference changed to a virtual format. The total of 24 full and 10 short contributions presented in this volume were carefully reviewed and selected from 78 submissions. The book also contains 4 PhD and 7 demo papers. The papers were organized in topical sections named: User interface technologies; performance of Web technologies; machine learning; testing of Web applications; emotion detection; location-aware applications; sentiment analysis; open data; liquid Web applications; Web-based learning; PhD symposium; demos and posters.

**The Java Tutorial** Dec 01 2019 Based on the online version that has become one of the world's most visited programmer documentation sites, this is a remarkably clear, practical, hands-on introduction to the Java 2 Platform. The bonus CD-ROM contains all major versions of the Java Platform.

**JavaScript Application Design** Jun 26 2019 Summary JavaScript Application Design: A Build First Approach introduces JavaScript developers to techniques that will improve the quality of their software as well as their web development workflow. You'll begin by learning how to establish build processes that are appropriate for JavaScript-driven development. Then, you'll walk through best practices for productive day-to-day development, like running tasks when your code changes, deploying applications with a single command, and monitoring the state of your application once it's in production. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book The fate of most applications is often sealed before a single line of code has been written. How is that possible? Simply, bad design assures bad results. Good design and effective processes are the foundation on which maintainable applications are built, scaled, and improved. For JavaScript developers, this means discovering the tooling, modern libraries, and architectural patterns that enable those improvements. JavaScript Application Design: A Build First Approach introduces techniques to improve software quality and development workflow. You'll begin by learning how to establish processes

designed to optimize the quality of your work. You'll execute tasks whenever your code changes, run tests on every commit, and deploy in an automated fashion. Then you'll focus on designing modular components and composing them together to build robust applications. This book assumes readers understand the basics of JavaScript. What's Inside Automated development, testing, and deployment processes JavaScript fundamentals and modularity best practices Modular, maintainable, and well-tested applications Master asynchronous flows, embrace MVC, and design a REST API About the Author Nicolas Bevacqua is a freelance developer with a focus on modular JavaScript, build processes, and sharp design. He maintains a blog at ponyfoo.com. Table of Contents PART 1 BUILD PROCESSES Introduction to Build First Composing build tasks and flows Mastering environments and the development workflow Release, deployment, and monitoring PART 2 MANAGING COMPLEXITY Embracing modularity and dependency management Understanding asynchronous flow control methods in JavaScript Leveraging the Model-View-Controller Testing JavaScript components REST API design and layered service architectures

**Design and Build Great Web APIs** Aug 21 2021 APIs are transforming the business world at an increasing pace. Gain the essential skills needed to quickly design, build, and deploy quality web APIs that are robust, reliable, and resilient. Go from initial design through prototyping and implementation to deployment of mission-critical APIs for your organization. Test, secure, and deploy your API with confidence and avoid the "release into production" panic. Tackle just about any API challenge with more than a dozen open-source utilities and common programming patterns you can apply right away. Good API design means starting with the API-First principle - understanding who is using the API and what they want to do with it - and applying basic design skills to match customers' needs while solving business-critical problems. Use the Sketch-Design-Build method to create reliable and scalable web APIs quickly and easily without a lot of risk to the day-to-day business operations. Create clear sequence diagrams, accurate specifications, and machine-readable API descriptions all reviewed, tested, and ready to turn into fully-functional NodeJS code. Create reliable test collections with Postman and implement proper identity and access control security with AuthO-without added cost or risk to the company. Deploy all of this to Heroku using a continuous delivery approach that pushes secure, well-tested code to your public servers ready for use by both internal and external developers. From design to code to test to deployment, unlock hidden business value and release stable and scalable web APIs that meet customer needs and solve important business problems in a consistent and reliable manner.

**RESTful API Design** Mar 28 2022 Looking for Best Practices for RESTful APIs? This book is for you! Why? Because this book is packed with practical experience on what works best for RESTful API Design. You want to design APIs like a Pro? Use API description languages to both design APIs and develop APIs efficiently. The book introduces the two most common API description languages RAML, OpenAPI, and Swagger. Your company cares about its customers? Learn API product management with a customer-centric design and development approach for APIs. Learn how to manage APIs as a product and how to follow an API-first approach. Build APIs your customers love! You want to manage the complete API lifecycle? An API development methodology is proposed to guide you through the lifecycle: API inception, API design, API development, API publication, API evolution, and maintenance. You want to build APIs right? This book shows best practices for REST design, such as the correct use of resources, URIs, representations, content types, data formats, parameters, HTTP status codes, and HTTP methods. Your APIs connect to legacy systems? The book shows best practices for connecting APIs to existing backend systems. Your APIs connect to a mesh of microservices? The book shows the principles for designing APIs for scalable, autonomous microservices. You expect lots of traffic on your API? The book shows you how to achieve high performance, availability and maintainability. You want to build APIs that last for decades? We study API versioning, API evolution, backward- and forward-compatibility and show API design patterns for versioning. The API-University Series is a modular series of books on API-related topics. Each book focuses on a particular API topic, so you can select the topics within APIs, which are relevant for you.

**Apache Cordova 4 Programming** Feb 01 2020 'Apache Cordova 4 Programming' is the complete introduction to Apache Cordova 4 and Adobe PhoneGap for experienced mobile developers. Leading Cordova expert John Wargo explains what makes Cordova so important, and shows how to install and use its newest tools, from the Cordova CLI to its native SDKs. If you're brand new to Cordova, this book will be just what you need to get started. If you're familiar with an older version, it will offer you detailed guidance and making the most of Cordova 4's powerful enhancements, as well as the core APIs you may already be using.

**Java Concepts** May 06 2020 This book introduces programmers to objects at a gradual pace. The syntax boxes are revised to show typical code examples rather than abstract notation. This includes optional example modules using Alice and Greenfoot. The examples feature annotations with dos and don'ts along with cross references to more detailed explanations in the text. New tables show a large number of typical and cautionary examples. New programming and review problems are also presented that ensure a broad coverage of topics. In addition, Java 7 features are included to provide programmers with the most up-to-date information.

**Web Data APIs for Knowledge Graphs** Sep 29 2019 This book describes a set of methods, architectures, and tools to extend the data pipeline at the disposal of developers when they need to publish and consume data from Knowledge Graphs (graph-structured knowledge bases that describe the entities and relations within a domain in a semantically meaningful way) using SPARQL, Web APIs, and JSON. To do so, it focuses on the paradigmatic cases of two middleware software packages, grlc and SPARQL Transformer, which automatically build and run SPARQL-based REST APIs and allow the specification of JSON schema results, respectively. The authors highlight the underlying principles behind these technologies—query management, declarative languages, new levels of indirection, abstraction layers, and separation of concerns—, explain their practical usage, and describe their penetration in research projects and industry. The book, therefore, serves a double purpose: to provide a sound and technical description of tools and methods at the disposal of publishers and developers to quickly deploy and consume Web Data APIs on top of Knowledge Graphs; and to propose an extensible and heterogeneous Knowledge Graph access infrastructure that accommodates a growing ecosystem of querying paradigms.

**Fundamental Approaches to Software Engineering** Oct 23 2021 This book constitutes the refereed proceedings of the 14th International Conference on Fundamental Approaches to Software Engineering, FASE 2011, held in Saarbrücken, Germany, March 26—April 3, 2011, as part of ETAPS 2011, the European Joint Conferences on Theory and Practice of Software. The 29 revised full papers presented together with one full length invited talk were carefully reviewed and selected from 99 full paper submissions. The papers are organized in topical sections on verification, specification and modeling, reachability and model checking, model driven engineering, software development for QoS, testing: theory and new trends, testing in practice, code development and analysis, and empirical studies.

**Horstmann, Java Concepts Early Objects, Eighth Edition** Jul 08 2020

**Implementing Oracle API Platform Cloud Service** Oct 11 2020 Work with the newest Oracle API Platform Cloud Service to interface with the increasingly complex array of services your clients want. Key Features Understand the architecture and functionality of the new Oracle API Cloud Service Platform Understand typical use cases for the new platform and how it can work for you Design your own APIs, then deploy and customize your APIs Implement Oauth 2.0 policy and custom policies Migrate from Oracle 12c solutions to the new Oracle API platform Book Description Implementing Oracle API Platform Cloud Service moves from theory to practice using the newest Oracle API management platform. This critical new platform for Oracle developers allows you to interface the complex array of services your clients expect in the modern world. First, you'll learn about Oracle's new platform and get an overview of it, then you'll see a use case showing the functionality and use of this new platform for Oracle customers. Next, you'll see the power of Apiary and begin designing your own APIs. From there, you'll build and run microservices and set up the Oracle API gateways. Moving on, you'll discover how to customize the developer portal and publish your own APIs. You'll spend time looking at configuration management on the new platform, and implementing the Oauth 2.0 policy, as well as custom policies. The latest finance modules from Oracle will be examined, with some of the third party alternatives in sight as well. This broad-scoped book completes your journey with a clear examination of how to transition APIs from Oracle API Management 12c to the new Oracle API Platform, so that you can step into the future confidently. What you will learn Get an overview of the Oracle API Cloud Service Platform See typical use cases of the Oracle API Cloud Service Platform Design your own APIs using Apiary Build and run microservices Set up API gateways with the new API platform from Oracle Customize

developer portals Configuration management Implement OAuth 2.0 policies Implement custom policies Get a policy SDK overview Transition from Oracle API Management 12c to the new Oracle API platform Who this book is for This book is for all Oracle developers who are working or plan to work with the Oracle API Platform Cloud Service.

**Node Cookbook** Aug 28 2019 Discover practical recipes to get to grips with Node.js concepts and programming models for delivering a scalable server-side for your applications Key Features Implement practical solutions for scaling, securing, and testing your Node.js web apps effectively Build and deploy scalable microservices architecture with the power of Node.js 14 Discover techniques for debugging and testing Node.js applications Book Description A key technology for building web applications and tooling, Node.js brings JavaScript to the server enabling full-stack development in a common language. This fourth edition of the Node Cookbook is updated with the latest Node.js features and the evolution of the Node.js framework ecosystems. This practical guide will help you to get started with creating, debugging, and deploying your Node.js applications and cover solutions to common problems, along with tips to avoid pitfalls. You'll become familiar with the Node.js development model by learning how to handle files and build simple web applications and then explore established and emerging Node.js web frameworks such as Express.js and Fastify. As you advance, you'll discover techniques for detecting problems in your applications, handling security concerns, and deploying your applications to the cloud. This recipe-based guide will help you to easily navigate through various core topics of server-side web application development with Node.js. By the end of this Node book, you'll be well-versed with core Node.js concepts and have gained the knowledge to start building performant and scalable Node.js applications. What you will learn Understand the Node.js asynchronous programming model Create simple Node.js applications using modules and web frameworks Develop simple web applications using web frameworks such as Fastify and Express Discover tips for testing, optimizing, and securing your web applications Create and deploy Node.js microservices Debug and diagnose issues in your Node.js applications Who this book is for The book is for web developers who have knowledge of JavaScript and want to gain a broad understanding of Node.js concepts for server-side development.

**Bug Bounty Bootcamp** Mar 04 2020 Bug Bounty Bootcamp teaches you how to hack web applications. You will learn how to perform reconnaissance on a target, how to identify vulnerabilities, and how to exploit them. You'll also learn how to navigate bug bounty programs set up by companies to reward security professionals for finding bugs in their web applications. Bug bounty programs are company-sponsored programs that invite researchers to search for vulnerabilities on their applications and reward them for their findings. This book is designed to help beginners with little to no security experience learn web hacking, find bugs, and stay competitive in this booming and lucrative industry. You'll start by learning how to choose a program, write quality bug reports, and maintain professional relationships in the industry. Then you'll learn how to set up a web hacking lab and use a proxy to capture traffic. In Part 3 of the book, you'll explore the mechanisms of common web vulnerabilities, like XSS, SQL injection, and template injection, and receive detailed advice on how to find them and bypass common protections. You'll also learn how to chain multiple bugs to maximize the impact of your vulnerabilities. Finally, the book touches on advanced techniques rarely covered in introductory hacking books but that are crucial to understand to hack web applications. You'll learn how to hack mobile apps, review an application's source code for security issues, find vulnerabilities in APIs, and automate your hacking process. By the end of the book, you'll have learned the tools and techniques necessary to be a competent web hacker and find bugs on a bug bounty program.

**Designing APIs with Swagger and OpenAPI** Nov 11 2020 Designing APIs with Swagger and OpenAPI introduces a design-first approach. Written for developers new to API design, it follows the lifecycle of an API project from concept to production. You'll explore the dos and don'ts of APIs through progressively complete examples. You'll get hands-on experience designing APIs for specific business needs, using open source tools to generate documentation, and building developer-friendly components like mocks and client SDKs.

**Big Java** Jan 26 2022 This book introduces programmers to objects at a gradual pace. The syntax boxes are revised to show typical code examples rather than abstract notation. This includes optional example modules using Alice and Greenfoot. The examples feature annotations with dos and don'ts along with cross references to more detailed explanations in the text. New tables show a large number of typical and cautionary examples. New programming and review problems are also presented that ensure a broad coverage of topics. In addition, Java 7 features are included to provide programmers with the most up-to-date information.

**Practical Python Data Wrangling and Data Quality** Aug 09 2020 There are awesome discoveries to be made and valuable stories to be told in datasets--and this book will help you uncover them. Whether you already work with data or just want to understand its possibilities, the techniques and advice in this practical book will help you learn how to better clean, evaluate, and analyze data to generate meaningful insights and compelling visualizations. Through foundational concepts and worked examples, author Susan McGregor provides the concepts and tools you need to evaluate and analyze all kinds of data and communicate your findings effectively. This book provides a methodical, jargon-free way for practitioners of all levels to harness the power of data. Use Python 3.8+ to read, write, and transform data from a variety of sources Understand and use programming basics in Python to wrangle data at scale Organize, document, and structure your code using best practices Complete exercises either on your own machine or on the web Collect data from structured data files, web pages, and APIs Perform basic statistical analysis to make meaning from data sets Visualize and present data in clear and compelling ways.

**Trends and Advances in Information Systems and Technologies** Feb 24 2022 This book includes a selection of papers from the 2018 World Conference on Information Systems and Technologies (WorldCIST'18), held in Naples, Italy on March 27-29, 2018. WorldCIST is a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and the challenges of modern information systems and technologies research together with their technological development and applications. The main topics covered are: A) Information and Knowledge Management; B) Organizational Models and Information Systems; C) Software and Systems Modeling; D) Software Systems, Architectures, Applications and Tools; E) Multimedia Systems and Applications; F) Computer Networks, Mobility and Pervasive Systems; G) Intelligent and Decision Support Systems; H) Big Data Analytics and Applications; I) Human-Computer Interaction; J) Ethics, Computers & Security; K) Health Informatics; L) Information Technologies in Education; M) Information Technologies in Radiocommunications; N) Technologies for Biomedical Applications.

**The Design of Web APIs** Jun 06 2020 Web APIs are everywhere, giving developers an efficient way to interact with applications, services, and data. Well-designed APIs are a joy to use; poorly-designed APIs are cumbersome, confusing, and frustrating. The Design of Web APIs is a practical, example packed guide to crafting extraordinary web APIs. Author Arnaud Lauret demonstrates fantastic design principles and techniques you can apply to both public and private web APIs. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

**Camel in Action** Jan 02 2020 Summary Camel in Action, Second Edition is the most complete Camel book on the market. Written by core developers of Camel and the authors of the highly acclaimed first edition, this book distills their experience and practical insights so that you can tackle integration tasks like a pro. Forewords by James Strachan and Dr. Mark Little Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Apache Camel is a Java framework that implements enterprise integration patterns (EIPs) and comes with over 200 adapters to third-party systems. A concise DSL lets you build integration logic into your app with just a few lines of Java or XML. By using Camel, you benefit from the testing and experience of a large and vibrant open source community. About the Book Camel in Action, Second Edition is the definitive guide to the Camel framework. It starts with core concepts like sending, receiving, routing, and transforming data. It then goes in depth on many topics such as how to develop, debug, test, deal with errors, secure, scale, cluster, deploy, and monitor your Camel applications. The book also discusses how to run Camel with microservices, reactive systems, containers, and in the cloud. What's Inside Coverage of all relevant EIPs Camel microservices with Spring Boot Camel on Docker and Kubernetes Error handling, testing, security, clustering, monitoring, and deployment Hundreds of examples in Java and XML About the Reader Readers should be familiar with Java. This book is accessible to beginners and invaluable to experts. About the Author Claus Ibsen is a senior principal engineer working for Red Hat specializing in cloud and

integration. He has worked on Apache Camel for the last nine years where he heads the project. Claus lives in Denmark. Jonathan Anstey is an engineering manager at Red Hat and a core Camel contributor. He lives in Newfoundland, Canada. Table of Contents Part 1 - First steps Meeting Camel Routing with Camel Part 2 - Core Camel Transforming data with Camel Using beans with Camel Enterprise integration patterns Using components Part 3 - Developing and testing Microservices Developing Camel projects Testing RESTful web services Part 4 - Going further with Camel Error handling Transactions and idempotency Parallel processing Securing Camel Part 5 - Running and managing Camel Running and deploying Camel Management and monitoring Part 6 - Out in the wild Clustering Microservices with Docker and Kubernetes Camel tooling Bonus online chapters Available at <https://www.manning.com/books/camel-in-action-second-edition> and in electronic versions of this book: Reactive Camel Camel and the IoT by Henryk Konsek

**Designing Web APIs with Strapi** Jun 18 2021 Leverage the power of Strapi to build self-hosted, customizable, and performant content APIs Key Features Discover how Strapi can help you build APIs quickly and focus on your products and features Learn how to put Strapi into practice by implementing it in real-world scenarios Understand how to use Strapi's powerful features to customize your APIs Book Description Strapi is a Node.js-based, flexible, open-source headless CMS with an integrated admin panel that anyone can use and helps save API development time. APIs built with Strapi can be consumed using REST or GraphQL from any client. With this book, you'll take a hands-on approach to exploring the capabilities of the Strapi platform and creating a custom API from scratch. This book will help JavaScript developers to put their knowledge to work by guiding them through building powerful backend APIs. You'll see how to effortlessly create content structures that can be customized according to your needs, and gain insights into how to write, edit, and manage your content seamlessly with Strapi. As you progress through the chapters, you'll discover a wide range of Strapi features, as well as understand how to add complex features to the API such as user authentication, data sorting, and pagination. You'll not only learn how to find and use existing plugins from the open-source community but also build your own plugins with custom functionality with the Strapi plugin API and add them to the admin panel. Finally, you'll learn how to deploy the API to Heroku and AWS. By the end of this book, you'll be able to build powerful, scalable, and secure APIs using Strapi. What you will learn Explore Strapi and understand how it works Define content types to build APIs quickly and efficiently Understand authentication and authorization in Strapi Create production-ready APIs with Strapi Deploy the Strapi API to various environments, including Heroku and AWS Use best practices to run the Strapi API in production Sync permissions to access the API between multiple environments Write basic tests for API utilities as well as the endpoint Who this book is for This book is for backend and frontend JavaScript developers. Experienced API developers will learn a new, fast, and flexible way of building APIs, while frontend developers will be able to take a step toward becoming full-stack developers by learning how to leverage Strapi for building APIs quickly. Basic knowledge of JavaScript and REST API concepts is assumed.

**Continuous API Management** Feb 12 2021 A lot of work is required to release an API, but the effort doesn't always pay off. Overplanning before an API matures is a wasted investment, while underplanning can lead to disaster. This practical guide provides maturity models for individual APIs and multi-API landscapes to help you invest the right human and company resources for the right maturity level at the right time. How do you balance the desire for agility and speed with the need for robust and scalable operations? Four experts from the API Academy show software architects, program directors, and product owners how to maximize the value of their APIs by managing them as products through a continuous life cycle. Learn which API decisions you need to govern and how and where to do so Design, deploy, and manage APIs using an API-as-a-product (AaaP) approach Examine ten pillars that form the foundation of API product work Learn how the continuous improvement model governs changes throughout an API's lifetime Explore the five stages of a complete API product life cycle Delve into team roles needed to design, build, and maintain your APIs Learn how to manage your API landscape—the set of APIs published by your organization

**Big Java: Early Objects, 6th Edition** Nov 23 2021 Cay Horstmann's sixth edition of Big Java, Early Objects provides an approachable introduction to fundamental programming techniques and design skills, helping students master basic concepts and become competent coders. Updates for the Java 8 software release and additional visual design elements make this student-friendly text even more engaging. The text is known for its realistic programming examples, great quantity and variety of homework assignments, and programming exercises that build student problem-solving abilities. This edition now includes problem solving sections, more example code online, and exercise from Science and Business.

**SUSE Manager 3.1** Jul 20 2021 The SUSE Manager 3.1 - API Documentation guide will help you to learn how to easily automate many of the tasks you perform everyday. All API calls are grouped by common functionality. This book is available for free in many languages and different formats on the [suse.com](https://www.suse.com) web site. This book is printed in grayscale.

**Web Services - ICWS 2020** Apr 16 2021 This book constitutes the proceedings of the International Conference on Web of Services, ICWS 2020, held virtually as part of SCF 2020, in Honolulu, HI, USA, in September 2020. The 14 full papers presented in this volume were carefully reviewed and selected from 52 submissions. The conference proceeding ICWS 2020 presents the latest fundamental advances in the state of the art and practice of Web-based services, identify emerging research topics, and define the future of Web-based services. All topics regarding Web-centric services, enabling technologies and applications align with the theme of ICWS.

**Java SE 8 for Programmers** Nov 04 2022 Summary: "Written for programmers with a background in high level language programming, the book applies the Deitel signature live code approach to teaching programming and explores the Java language in depth ... "

**Pro ASP.NET Web API** May 18 2021 Pro ASP.NET Web API shows you how to build flexible, extensible web services that run seamlessly on a range of operating systems and devices, from desktops to tablets to smart phones—even the ones we don't know today. ASP.NET Web API is a new framework designed to simplify web service architecture. So if you're tired of interoperability issues between inflexible web services and clients tied to specific platforms or programming languages, or if you've ever struggled with WCF, this book is for you. To start with, you'll get up to speed on Web API's modern HTTP programming model, REST and your hosting options. You'll then dive into building a real application over a series of three chapters, so you can get an immediate feel for how this technology works in practice. The second half of the book features dedicated chapters on topics like routing, controllers, validation and tracing, and the authors close with discussions on performance, hosting and an all-important look at unit testing to help you prepare your application for the real world. ASP.NET Web API makes HTTP a first-class citizen of .NET. With Pro ASP.NET Web API, you can build HTTP-based web services for your company or business, expose your data to the world across different formats and devices and gain the best possible global reach for your application.

**Machine Vision Algorithms in Java** Sep 02 2022 This book presents key machine vision techniques and algorithms, along with the associated Java source code. Special features include a complete self-contained treatment of all topics and techniques essential to the understanding and implementation of machine vision; an introduction to object-oriented programming and to the Java programming language, with particular reference to its imaging capabilities; Java source code for a wide range of real-world image processing and analysis functions; an introduction to the Java 2D imaging and Java Advanced Imaging (JAI) API; and a wide range of illustrative examples.

**Continuous API Management** Jun 30 2022 A lot of work is required to release an API, but the effort doesn't always pay off. Overplanning before an API matures is a wasted investment, while underplanning can lead to disaster. The second edition of this book provides maturity models for individual APIs and multi-API landscapes to help you invest the right human and company resources for the right maturity level at the right time. How do you balance the desire for agility and speed with the need for robust and scalable operations? Four experts show software architects, program directors, and product owners how to maximize the value of their APIs by managing them as products through a continuous lifecycle. Learn which API decisions you need to govern Design, deploy, and manage APIs using an API-as-a-product (AaaP) approach Examine 10 pillars that form the foundation of API product work Learn how the continuous improvement model governs changes throughout an API's lifetime Explore the five stages of a complete API product lifecycle Delve into team roles needed to design, build, and maintain your APIs Learn how to manage APIs published by your organization

**Build APIs You Won't Hate** Aug 01 2022 API development is becoming increasingly common for server-side developers thanks to the rise of front-

end JavaScript frameworks, iPhone applications, and API-centric architectures. It might seem like grabbing stuff from a data source and showing it out as JSON would be easy, but surviving changes in business logic, database schema updates, new features, or deprecated endpoints can be a nightmare. After finding many of the existing resources for API development to be lacking, Phil learned a lot of things the hard way through years of trial and error. This book aims to condense that experience, taking examples and explanations further than the trivial apples and pears nonsense tutorials often provide. By passing on some best practices and general good advice you can hit the ground running with API development, combined with some horror stories and how they were overcome/avoided/averted. This book will discuss the theory of designing and building APIs in any language or framework, with this theory applied in PHP-based examples.