
Guide Rest Api Concepts And Programmers

Modern API Development with Spring and Spring Boot
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to Building Microservices Using Akka HTTP with Scala in a One-Wee
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APIs: A Strategy Guide
Entwurfsmuster von Kopf bis Fuß
React Interview Guide
Web-Services mit REST
A Practical Guide to Hybrid Natural Language Processing
The Rest API Design Handbook
API Testing and Development with Postman
Making Money with Alexa Skills - A Developer's Guide
Hands-On RESTful API Design Patterns and Best Practices
Getting Started with IBM API Connect: Concepts and Architecture Guide
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Redux Quick Start Guide
Building Web APIs with ASP.NET Core
RESTful Java Web Services
CCNP and CCIE Data Center Core DCCOR 350-601 Official Cert Guide
Server Side development with Node.js and Koa.js Quick Start Guide
Ethical Hacker's Penetration Testing Guide
RESTful Java Web Services - Third Edition
IBM Cloud Object Storage System Product Guide
RESTful Java Web Services
Restful Java Web Services Second Edition
Service-Oriented Computing
ASP.NET Web API 2: Building a REST Service from Start to Finish
RESTful Web APIs
Designing RESTful APIs

WARE PATRICIA

Modern API Development with Spring and Spring Boot Independently Published
Learn how to architect, implement, and administer a complex Splunk Enterprise environment and extract valuable insights from business data. Key Features Understand the various components of Splunk and how they work together to provide a powerful Big Data analytics solution. Collect and index data from a wide variety of common machine data sources Design searches, reports, and dashboard visualizations to provide business data insights Book Description Splunk is a leading platform and solution for collecting, searching, and extracting value from ever increasing amounts of big data - and big data is eating the world! This book covers all the crucial Splunk topics and gives you the information and examples to get the immediate job done. You will find enough insights to support further research and use Splunk to suit any business environment or situation. Splunk 7.x Quick Start Guide gives you a thorough understanding of how Splunk works. You will learn about all the critical tasks for architecting, implementing, administering, and utilizing Splunk Enterprise to collect, store, retrieve, format, analyze, and visualize machine data. You will find step-by-step examples based on real-world experience and practical use cases that are applicable to all Splunk environments. There is a careful balance between adequate coverage of all the critical topics with short but relevant deep-dives into the configuration options and steps to carry

out the day-to-day tasks that matter. By the end of the book, you will be a confident and proficient Splunk architect and administrator. What you will learn Design and implement a complex Splunk Enterprise solution Configure your Splunk environment to get machine data in and indexed Build searches to get and format data for analysis and visualization Build reports, dashboards, and alerts to deliver critical insights Create knowledge objects to enhance the value of your data Install Splunk apps to provide focused views into key technologies Monitor, troubleshoot, and manage your Splunk environment Who this book is for This book is intended for experienced IT personnel who are just getting started working with Splunk and want to quickly become proficient with its usage. Data analysts who need to leverage Splunk to extract critical business insights from application logs and other machine data sources will also benefit from this book. **Start Building Restful Microservices Using Akka HTTP with Scala: A Quick Start Guide to Building Microservices Using Akka HTTP with Scala in a One-Wee** BPB Publications In today's market, where rival web services compete for attention, a well-designed REST API is a must-have feature. This concise book presents a set of API design rules, drawn primarily from best practices that stick close to the Web's REST architectural style. Along with rules for URI design and HTTP use, you'll learn guidelines for media types and representational forms. REST APIs are ubiquitous, but few of them follow a consistent design methodology. Using these simple rules, you will design web service APIs that adhere to recognized web standards. To assist you, author Mark MassÃ© introduces the Web

Resource Modeling Language (WRML), a conceptual framework he created for the design and implementation of REST APIs. Learn design rules for addressing resources with URIs Apply design principles to HTTP's request methods and response status codes Work with guidelines for conveying metadata through HTTP headers and media types Get design tips to address the needs of client programs, including the special needs of browser-based JavaScript clients Understand why REST APIs should be designed and configured, not coded

Spunk 7.x Quick Start Guide Apress
Jetzt aktuell zu Java 8: Dieses Buch ist ein moderner Klassiker zum Thema Entwurfsmuster. Mit dem einzigartigen Von Kopf bis Fuß-Lernkonzept gelingt es den Autoren, die anspruchsvolle Materie witzig, leicht verständlich und dennoch gründlich darzustellen. Jede Seite ist ein Kunstwerk für sich, mit vielen visuellen Überraschungen, originellen Comic-Zeichnungen, humorvollen Dialogen und geistreichen Selbstlernkontrollen. Spätestens, wenn es mal wieder heißt "Spitzen Sie Ihren Bleistift", wird dem Leser klar, dass bei diesem Buch sein Mitmachen gefragt ist. Das ist nicht nur unterhaltsam, sondern auch effektiv: Komplexe Sachverhalte lassen sich nach Erkenntnis der modernen Lernwissenschaft am gründlichsten über mehrere verschiedene Kanäle verstehen. Das Buch verspricht dem Leser daher nicht nur Spaß beim Lernen, er wird nach der Lektüre auch die Herausforderungen des Software-Designs meistern können.

Microservices (mitp Professional)
CreateSpace
Create fully featured APIs with the ASP.NET Core framework! This practical guide shows you how to design and implement APIs using the REST and

GraphQL standards. Building Web APIs with ASP.NET Core is a practical beginner's guide to creating your first web APIs using ASP.NET Core. In it, you'll develop an API that feeds web-based services, including websites and mobile apps, for a board games application. Structured just like a real-world development project, each chapter introduces a new feature request. You'll build your API with an ecosystem of ASP.NET Core tools that help simplify everything from setting up your data model to generating documentation. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

APIs: A Strategy Guide "O'Reilly Media, Inc."
Explore the world of APIs and learn how to integrate them with production-ready applications using Postman and the Newman CLI Key Features Learn the tenets of effective API testing and API design Gain an in-depth understanding of the various features Postman has to offer Know when and how to use Postman for creating high-quality APIs for software and web apps Book Description Postman enables the exploration and testing of web APIs, helping testers and developers figure out how an API works. With Postman, you can create effective test automation for any APIs. If you want to put your knowledge of APIs to work quickly, this practical guide to using Postman will help you get started. The book provides a hands-on approach to learning the implementation and associated methodologies that will have you up and running with Postman in no time. Complete with step-by-step explanations of essential concepts, practical examples, and self-assessment questions, this book begins by taking you through the principles of effective

API testing. A combination of theory coupled with real-world examples will help you learn how to use Postman to create well-designed, documented, and tested APIs. You'll then be able to try some hands-on projects that will teach you how to add test automation to an already existing API with Postman, and guide you in using Postman to create a well-designed API from scratch. By the end of this book, you'll be able to use Postman to set up and run API tests for any API that you are working with. What you will learn

Find out what is involved in effective API testing
Use data-driven testing in Postman to create scalable API tests
Understand what a well-designed API looks like
Become well-versed with API terminology, including the different types of APIs
Get to grips with performing functional and non-functional testing of an API
Discover how to use industry standards such as OpenAPI and mocking in Postman
Who this book is for
The book is for software testing professionals and software developers looking to improve product and API quality through API test automation. You will find this book useful if you understand APIs and want to build your skills for creating, testing, and documenting APIs. The book assumes beginner-level knowledge of JavaScript and API development.

Entwurfsmuster von Kopf bis Fuß

Springer

A step-by-step guide that will help you design, develop, scale, and deploy RESTful APIs with TypeScript 3 and Node.js

Key Features
Gain in-depth knowledge of OpenAPI and Swagger to build scalable web services
Explore a variety of test frameworks and test runners such as Stryker, Mocha, and Chai
Create a pipeline by Dockerizing your environment using Travis CI, Google Cloud Platform, and GitHub

Description In the world of web development, leveraging data is the key to developing comprehensive applications, and RESTful APIs help you to achieve this systematically. This book will guide you in designing and developing web services with the power of TypeScript 3 and Node.js. You'll design REST APIs using best practices for request handling, validation, authentication, and authorization. You'll also understand how to enhance the capabilities of your APIs with ODMs, databases, models and views, as well as asynchronous callbacks. This book will guide you in securing your environment by testing your services and initiating test automation with different testing approaches. Furthermore, you'll get to grips with developing secure, testable, and more efficient code, and be able to scale and deploy TypeScript 3 and Node.js-powered RESTful APIs on cloud platforms such as the Google Cloud Platform. Finally, the book will help you explore microservices and give you an overview of what GraphQL can allow you to do. By the end of this book, you will be able to use RESTful web services to create your APIs for mobile and web apps and other platforms. What you will learn

Explore various methods to plan your services in a scalable way
Understand how to handle different request types and the response status code
Get to grips with securing web services
Delve into error handling and logging your web services for improved debugging
Uncover the microservices architecture and GraphQL
Create automated CI/CD pipelines for release and deployment strategies
Who this book is for
If you're a developer who has a basic understanding of REST concepts and want to learn how to design and develop RESTful APIs, this book is for

you. Prior knowledge of TypeScript will help you make the most out of this book. *React Interview Guide* Simon and Schuster

"Creating channels with application programming interfaces"--Cover.

Web-Services mit REST O'Reilly Germany

A developer's guide to designing, testing, and securing production-ready modern APIs with the help of practical ideas to improve your application's functionality Key Features Build resilient software for your enterprises and customers by understanding the complete API development life cycle Overcome the challenges of traditional API design by adapting to a new and evolving culture of modern API development Use Spring and Spring Boot to develop future-proof scalable APIs Book Description The philosophy of API development has evolved over the years to serve the modern needs of enterprise architecture, and developers need to know how to adapt to these modern API design principles. Apps are now developed with APIs that enable ease of integration for the cloud environment and distributed systems. With this Spring book, you'll discover various kinds of production-ready API implementation using REST APIs and explore async using the reactive paradigm, gRPC, and GraphQL. You'll learn how to design evolving REST-based APIs supported by HATEOAS and ETAGs and develop reactive, async, non-blocking APIs. After that, you'll see how to secure REST APIs using Spring Security and find out how the APIs that you develop are consumed by the app's UI. The book then takes you through the process of testing, deploying, logging, and monitoring your APIs. You'll also explore API development using gRPC and

GraphQL and design modern scalable architecture with microservices. The book helps you gain practical knowledge of modern API implementation using a sample e-commerce app. By the end of this Spring book, you'll be able to develop, test, and deploy highly scalable, maintainable, and developer-friendly APIs to help your customers to transform their business. What you will learn Understand RESTful API development, its design paradigm, and its best practices Become well versed in Spring's core components for implementing RESTful web services Implement reactive APIs and explore async API development Apply Spring Security for authentication using JWT and authorization of requests Develop a React-based UI to consume APIs Implement gRPC inter-service communication Design GraphQL-based APIs by understanding workflows and tooling Gain insights into how you can secure, test, monitor, and deploy your APIs Who this book is for This book is for inexperienced Java programmers, comp science, or coding boot camp graduates who have knowledge of basic programming constructs, data structures, and algorithms in Java but lack the practical web development skills necessary to start working as a developer. Professionals who've recently joined a startup or a company and are tasked with creating real-world web APIs and services will also find this book helpful. This book is also a good resource for Java developers who are looking for a career move into web development to get started with the basics of web service development.

A Practical Guide to Hybrid Natural Language Processing "O'Reilly Media, Inc."

The approach we take is ideal for

software developers with some, or extensive, programming experience: we design a RESTful API, which serves as our software specification, and implement it with every framework discussed in the book—there are no hypothetical examples; only practical working applications. This book is for Java developers who want to code RESTful web services using any of the open source RESTful frameworks available to date, for example, JAX-RS implementations such as Jersey and RESTEasy, the Restlet lightweight framework, or Struts 2 with the REST plug-in. You don't need to know REST, as we cover the theory of REST and web services; however, you should be familiar with the Java language and have some understanding of Java web applications. For each framework, we develop the same web service outlined in Chapter 4, so there is lots of working code available. This is a practical guide and the majority of the book is about coding RESTful web services, and not just about the theory of REST.

The Rest API Design Handbook Packt Publishing Ltd

This book provides readers with a practical guide to the principles of hybrid approaches to natural language processing (NLP) involving a combination of neural methods and knowledge graphs. To this end, it first introduces the main building blocks and then describes how they can be integrated to support the effective implementation of real-world NLP applications. To illustrate the ideas described, the book also includes a comprehensive set of experiments and exercises involving different algorithms over a selection of domains and corpora in various NLP tasks. Throughout, the authors show how to leverage complementary

representations stemming from the analysis of unstructured text corpora as well as the entities and relations described explicitly in a knowledge graph, how to integrate such representations, and how to use the resulting features to effectively solve NLP tasks in a range of domains. In addition, the book offers access to executable code with examples, exercises and real-world applications in key domains, like disinformation analysis and machine reading comprehension of scientific literature. All the examples and exercises proposed in the book are available as executable Jupyter notebooks in a GitHub repository. They are all ready to be run on Google Colaboratory or, if preferred, in a local environment. A valuable resource for anyone interested in the interplay between neural and knowledge-based approaches to NLP, this book is a useful guide for readers with a background in structured knowledge representations as well as those whose main approach to AI is fundamentally based on logic. Further, it will appeal to those whose main background is in the areas of machine and deep learning who are looking for ways to leverage structured knowledge bases to optimize results along the NLP downstream.

API Testing and Development with Postman O'Reilly Media

Explore the necessary concepts of REST API development by building few real world services from scratch. About This Book Follow best practices and explore techniques such as clustering and caching to achieve a reactive, scalable web service Leverage the Gin Framework to quickly implement RESTful endpoints Learn to implement a client library for a RESTful web service using Go Who This Book Is For This book is

intended for those who want to learn to build RESTful web services with a framework like Gin. To make best use of the code samples included in the book, you should have a basic knowledge of Go programming. What You Will Learn Create HTTP handler and introspect the Gorilla Mux router OAuth 2 implementation with Go Build RESTful API with Gin Framework Create REST API with MongoDB and Go Build a working client library and unit test for REST API Debug, test, and profile RESTful APIs with each of the frameworks Optimize and scale REST API using microservices In Detail REST is an architectural style that tackles the challenges of building scalable web services and in today's connected world, APIs have taken a central role on the web. APIs provide the fabric through which systems interact, and REST has become synonymous with APIs. The depth, breadth, and ease of use of Go, makes it a breeze for developers to work with it to build robust Web APIs. This book takes you through the design of RESTful web services and leverages a framework like Gin to implement these services. The book starts with a brief introduction to REST API development and how it transformed the modern web. You will learn how to handle routing and authentication of web services along with working with middleware for internal service. The book explains how to use Go frameworks to build RESTful web services and work with MongoDB to create REST API. You will learn how to integrate Postgres SQL and JSON with a Go web service and build a client library in Go for consuming REST API. You will learn how to scale APIs using the microservice architecture and deploy the REST APIs using Nginx as a proxy server. Finally you will learn how to metricize a REST API using an API

Gateway. By the end of the book you will be proficient in building RESTful APIs in Go. Style and Approach This book is a step-by-step, hands-on guide to designing and building RESTful web services.

Making Money with Alexa Skills - A Developer's Guide Packt Publishing Ltd The MERN stack is a collection of great tools - MongoDB, ExpressJS, React, and Node - that provide a strong base for a developer to build easily maintainable web applications. With each of them a JavaScript or JavaScript-based technology, the shared programming language means it takes less time to develop web applications.

Hands-On RESTful API Design Patterns and Best Practices Packt Publishing Ltd Understand the core concepts of hapi and learn to build RESTful APIs that are quick, useful, and productive. Created by the mobile team at Walmart Labs, hapi is a light Node.js framework that is perfect for building API servers, websites, and HTTP proxy applications. You will learn the basics of hapi and use those skills to build an application and a REST API with MySQL. You'll then cover two industry-relevant projects in detail and understand how to apply hapi, how to maintain security, and how to tackle errors without having to use workarounds. Used by companies such as PayPal and Mozilla, hapi is a key framework for anyone serious about enterprise web development. Focus your time on critical project tasks instead of building infrastructure: use this book today. What You'll Learn Utilize the power of RESTful APIs and Node.js Work with hapi including all the core concepts Manage security and testing Use promises and asynchronous programming effectively Build your first hapi application Who This Book Is For

Anyone with basic knowledge of JavaScript or Node.js who wants to learn to work with hapi. A primer for the relevant Node.js and JavaScript is provided so those with general programming experience can also use this book.

Getting Started with IBM API Connect: Concepts and Architecture Guide Cisco Press

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.

RESTful Web APIs Packt Publishing Ltd
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

REST API Design Rulebook Packt Publishing Ltd

Follow real-world API projects from concept to production, and learn hands-on how to describe and design APIs using OpenAPI. In Designing APIs with Swagger and OpenAPI you will learn how to: Understand OpenAPI syntax and structure Use Swagger and other tooling to create OpenAPI definitions Design authentication and authorization Turn an OpenAPI description into online documentation Automate processes and generating code Iterate an API design with user stories Build a frontend against a mock server Generate backend code with Swagger Codegen Versioning an API

and dodging breaking changes Work with cross-functional teams Designing APIs with Swagger and OpenAPI is a comprehensive guide to designing and describing your first RESTful API using the most widely adopted standards. Following expert instruction from Swagger core contributor Josh Ponelat and API consultant Lukas Rosenstock, you'll spend each chapter progressively expanding the kind of APIs you'll want to build in the real world. You'll utilize OpenAPI and Swagger to help automate your workflow, and free up your time to work on more exciting features. Learn the syntax and structure of OpenAPI definitions, create and iterate on an API design with common tools, and release your API to the public. About the technology Create web APIs that customers and developers will love! Using Swagger, a collection of tools for defining and documenting REST APIs, you will build safe, controlled access to your software. And because Swagger implements the vendor-neutral OpenAPI specification, you'll be building to the same standards adopted by Google, Microsoft, and Amazon. About the book 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. What's inside OpenAPI syntax and structure Using Swagger to create OpenAPI definitions Automating processes and generating code Working with cross-functional

teams About the reader For web developers. No prior knowledge of Swagger or OpenAPI required. About the author Josh Ponelat is the Swagger Open Source lead at SmartBear. Lukas Rosenstock is an independent software developer and API consultant. *Building RESTful Web Services with Java EE 8* Packt Publishing Ltd Build effective RESTful APIs for enterprise with design patterns and REST framework's out-of-the-box capabilities Key Features Understand advanced topics such as API gateways, API securities, and cloudImplement patterns programmatically with easy-to-follow examplesModernize legacy codebase using API connectors, layers, and microservicesBook Description This book deals with the Representational State Transfer (REST) paradigm, which is an architectural style that allows networked devices to communicate with each other over the internet. With the help of this book, you'll explore the concepts of service-oriented architecture (SOA), event-driven architecture (EDA), and resource-oriented architecture (ROA). This book covers why there is an insistence for high-quality APIs toward enterprise integration. It also covers how to optimize and explore endpoints for microservices with API gateways and touches upon integrated platforms and Hubs for RESTful APIs. You'll also understand how application delivery and deployments can be simplified and streamlined in the REST world. The book will help you dig deeper into the distinct contributions of RESTful services for IoT analytics and applications. Besides detailing the API design and development aspects, this book will assist you in designing and developing production-ready, testable, sustainable, and enterprise-grade APIs. By the end of

the book, you'll be empowered with all that you need to create highly flexible APIs for next-generation RESTful services and applications. What you will learn

Explore RESTful concepts, including URI, HATEOAS, and Code on Demand

Study core patterns like Statelessness, Pagination, and Discoverability

Optimize endpoints for linked microservices with API gateways

Delve into API authentication, authorization, and API security implementations

Work with Service Orchestration to craft composite and process-aware services

Expose RESTful protocol-based APIs for cloud computing

Who this book is for This book is primarily for web, mobile, and cloud services developers, architects, and consultants who want to build well-designed APIs for creating and sustaining enterprise-class applications. You'll also benefit from this book if you want to understand the finer details of RESTful APIs and their design techniques along with some tricks and tips.

Domain-Driven Design with Java - A Practitioner's Guide Apress

Master core REST concepts and create RESTful web services in Java

About This Book* Build efficient and secure RESTful web APIs in Java..* Design solutions to produce, consume and visualize RESTful web services using WADL, RAML, and Swagger* Familiarize the role of RESTful APIs usage in emerging technology trends like Cloud, IoT, Social Media.

Who This Book Is For If you are a web developer with a basic understanding of the REST concepts and envisage to get acquainted with the idea of designing and developing RESTful web services, this is the book for you. As all the code samples for the book are written in Java, proficiency in Java is a must.

What You Will Learn* Introduce yourself to the

RESTful software architectural style and the REST API design principles* Make use of the JSR 353 API, JSR 374 API, JSR 367 API and Jackson API for JSON processing* Build portable RESTful web APIs, making use of the JAX-RS 2.1 API* Simplify API development using the Jersey and RESTEasy extension APIs* Secure your RESTful web services with various authentication and authorization mechanisms* Get to grips with the various metadata solutions to describe, produce, and consume RESTful web services* Understand the design and coding guidelines to build well-performing RESTful APIs* See how the role of RESTful web services changes with emerging technologies and trends

In Detail

Representational State Transfer (REST) is a simple yet powerful software architecture style to create lightweight and scalable web services. The RESTful web services use HTTP as the transport protocol and can use any message formats, including XML, JSON (widely used), CSV, and many more, which makes it easily inter-operable across different languages and platforms.

This successful book is currently in its 3rd edition and has been used by thousands of developers. It serves as an excellent guide for developing RESTful web services in Java. This book attempts to familiarize the reader with the concepts of REST. It is a pragmatic guide for designing and developing web services using Java APIs for real-life use cases following best practices and for learning to secure REST APIs using OAuth and JWT. Finally, you will learn the role of RESTful web services for future technological advances, be it cloud, IoT or social media. By the end of this book, you will be able to efficiently build robust, scalable, and secure RESTful web services using Java APIs.

Style and

approach Step-by-step guide to designing and developing robust RESTful web services. Each topic is explained in a simple and easy-to-understand manner with lots of real-life use-cases and their solutions.

Designing APIs with Swagger and OpenAPI Packt Publishing Ltd

Discover security posture, vulnerabilities, and blind spots ahead of the threat actor

KEY FEATURES

- Includes illustrations and real-world examples of pentesting web applications, REST APIs, thick clients, mobile applications, and wireless networks.
- Covers numerous techniques such as Fuzzing (FFuF), Dynamic Scanning, Secure Code Review, and bypass testing.
- Practical application of Nmap, Metasploit, SQLmap, OWASP ZAP, Wireshark, and Kali Linux.

DESCRIPTION The 'Ethical Hacker's Penetration Testing Guide' is a hands-on guide that will take you from the fundamentals of pen testing to advanced security testing techniques. This book extensively uses popular pen testing tools such as Nmap, Burp Suite, Metasploit, SQLmap, OWASP ZAP, and Kali Linux. A detailed analysis of pentesting strategies for discovering OWASP top 10 vulnerabilities, such as cross-site scripting (XSS), SQL Injection, XXE, file upload vulnerabilities, etc., are explained. It provides a hands-on demonstration of pentest approaches for thick client applications, mobile applications (Android), network services, and wireless networks. Other techniques such as Fuzzing, Dynamic Scanning (DAST), and so on are also demonstrated. Security logging, harmful activity monitoring, and pentesting for sensitive data are also included in the book. The book also covers web security automation with the help of writing

effective python scripts. Through a series of live demonstrations and real-world use cases, you will learn how to break applications to expose security flaws, detect the vulnerability, and exploit it appropriately. Throughout the book, you will learn how to identify security risks, as well as a few modern cybersecurity approaches and popular pentesting tools. **WHAT YOU WILL LEARN**

- Expose the OWASP top ten vulnerabilities, fuzzing, and dynamic scanning.
- Get well versed with various pentesting tools for web, mobile, and wireless pentesting.
- Investigate hidden vulnerabilities to safeguard critical data and application components.
- Implement security logging, application monitoring, and secure coding.
- Learn about various protocols, pentesting tools, and ethical hacking methods.

WHO THIS BOOK IS FOR This book is intended for pen testers, ethical hackers, security analysts, cyber professionals, security consultants, and anybody interested in learning about penetration testing, tools, and methodologies. Knowing concepts of penetration testing is preferable but not required.

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Hands-On RESTful Web Services with TypeScript 3

API-University Press
 Adopt a practical and modern approach to architecting and implementing DDD-inspired solutions to transform abstract business ideas into working software across the entire spectrum of the software development life cycle
 Key Features • Implement DDD principles to build simple, effective, and well-factored solutions • Use lightweight modeling techniques to arrive at a common collective understanding of the problem domain • Decompose monolithic applications into loosely coupled, distributed components using modern design patterns
 Book Description
 Domain-Driven Design (DDD) makes available a set of techniques and patterns that enable domain experts, architects, and developers to work together to decompose complex business problems into a set of well-factored, collaborating, and loosely coupled subsystems. This practical guide will help you as a developer and architect to put your knowledge to work in order to create elegant software designs that are enjoyable to work with and easy to reason about. You'll begin with an introduction to the concepts of domain-driven design and discover various ways to apply them in real-world scenarios. You'll also appreciate how DDD is extremely relevant when creating cloud native solutions that employ modern techniques such as event-driven microservices and fine-grained architectures. As you advance through the chapters, you'll get acquainted with core DDD's strategic design concepts

such as the ubiquitous language, context maps, bounded contexts, and tactical design elements like aggregates and domain models and events. You'll understand how to apply modern, lightweight modeling techniques such as business value canvas, Wardley mapping, domain storytelling, and event storming, while also learning how to test-drive the system to create solutions that exhibit high degrees of internal quality. By the end of this software design book, you'll be able to architect, design, and implement robust, resilient, and performant distributed software solutions. What you will learn • Discover how to develop a shared understanding of the problem domain • Establish a clear demarcation between core and peripheral systems • Identify how to evolve and decompose complex systems into well-factored components • Apply elaboration techniques like domain storytelling and event storming • Implement EDA, CQRS, event sourcing, and much more • Design an ecosystem of cohesive, loosely coupled, and distributed microservices • Test-drive the implementation of an event-driven system in Java • Grasp how non-functional requirements influence bounded context decompositions
 Who this book is for This book is for intermediate Java programmers looking to upgrade their software engineering skills and adopt a collaborative and structured approach to designing complex software systems. Specifically, the book will assist senior developers and hands-on architects to gain a deeper understanding of domain-driven design and implement it in their organization. Familiarity with DDD techniques is not a prerequisite; however, working knowledge of Java is expected.

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