
Continuous Api Management

Making The Right Decisi

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API Management
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RESTful Web APIs
Designing Web APIs
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API Economy 101
Microservices: Up and Running
Continuous API Management
APIs: A Strategy Guide
Principles of Web API Design
Software Engineering at Google
Continuous Architecture in Practice

Building Hypermedia APIs with HTML5 and Node
Continuous Discovery Habits
Accelerating Modernization with Agile Integration
Enterprise, Business-Process and Information Systems Modeling
The Power of Project Leadership

*Continuous Api
Management Making
The Right Decisi*

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LORELAI TOWNSEND

Software Business IBM Redbooks
For many organizations, a big part of DevOps' appeal is software automation using infrastructure-as-code techniques. This book presents developers, architects, and infra-ops engineers with a more practical option. You'll learn how a container-centric approach from OpenShift, Red Hat's cloud-based PaaS, can help your team deliver quality

software through a self-service view of IT infrastructure. Three OpenShift experts at Red Hat explain how to configure Docker application containers and the Kubernetes cluster manager with OpenShift's developer- and operational-centric tools. Discover how this infrastructure-agnostic container management platform can help companies navigate the murky area where infrastructure-as-code ends and application automation begins. Get an application-centric view of automation—and understand why it's

important Learn patterns and practical examples for managing continuous deployments such as rolling, A/B, blue-green, and canary Implement continuous integration pipelines with OpenShift's Jenkins capability Explore mechanisms for separating and managing configuration from static runtime software Learn how to use and customize OpenShift's source-to-image capability Delve into management and operational considerations when working with OpenShift-based application workloads Install a self-contained local version of the OpenShift environment on your computer
[DevOps with OpenShift](#) O'Reilly Media
The Full-Lifecycle Guide to API Design
Principles of Web API Design brings together principles and processes to

help you succeed across the entire API design lifecycle. Drawing on extensive in-the-trenches experience, leading consultant James Higginbotham helps you align every stakeholder on specific outcomes, design APIs that deliver value, and scale the design process from small teams to the entire organization. Higginbotham helps you bring an "outside-in" perspective to API design to reflect the voices of customers and product teams, map requirements to specific and well-organized APIs, and choose the right API style for writing them. He walks through a real-world example from the ground up, offering guidance for anyone designing new APIs or extending existing APIs. Deliver great APIs by getting your design processes right Gain agreement on specific

outcomes from design teams, customers, and other stakeholders Craft job stories, conduct EventStorming, and model capabilities Identify the right APIs, and organize operations into coherent API profiles Choose the best styles for each project: REST, gRPC, GraphQL, or event-based async APIs Refine designs based on feedback from documenters, testers, and customers Decompose APIs into microservices Mature your API program, implementing design and management processes that scale This guide is invaluable for anyone involved in planning or building APIs--architects, developers, team leaders, managers in single and multi-team environments, and any technical or business professional delivering "API-as-a-product" offerings. Register your book for convenient access

to downloads, updates, and/or corrections as they become available. See inside book for details.

Site Reliability Engineering Apress

This book contains the proceedings of two long-running events held along with the CAiSE conference relating to the areas of enterprise, business-process and information systems modeling: * the 22nd International Conference on Business Process Modeling, Development and Support, BPMDS 2021, and * the 26th International Conference on Exploring Modeling Methods for Systems Analysis and Development, EMMSAD 2021. The conferences were planned to take place in Melbourne, Australia, during June 28-29, 2021, but changed to an online format due to the COVID-19 pandemic. For BPMDS 10 full

papers and 1 short paper were carefully reviewed and selected for publication from a total of 26 submissions; for EMMSAD 13 full papers and 1 short paper were accepted from 34 submissions. The papers were organized in topical sections as follows: BPMDS: Improving event data quality in coherence with business requirements; enhancing the value of data in processes improvement; event stream and predictive monitoring; modeling languages and reference models; EMMSAD: Enterprise modeling; handling models and modeling methods; threat and evidence modeling; and model-driven engineering and applications. DevOps for Digital Leaders SAP PRESS
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

Design Patterns for Cloud Native Applications "O'Reilly Media, Inc."

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Design and Build Great Web APIs
Addison-Wesley

IBM® API Connect is an API management solution from IBM that offers capabilities to create, run, manage, and secure APIs and microservices. By using these capabilities, the full lifecycle of APIs for on-premises and cloud environments can be managed. This IBM Redpaper™ publication describes practical scenarios that show the API Connect capabilities for managing the full API life cycle, creating, running, securing, and managing the APIs. This Redpaper publication is targeted to users of an API Connect based API strategy, developers, IT architects, and technical evangelists. If you are not familiar with APIs or API Connect, we suggest that you read the Redpaper publication Getting Started with IBM API Connect: Concepts,

Architecture and Strategy Guide, REDP-5349, before reading this publication.

[RESTful Web API Patterns and Practices Cookbook](#) Springer Nature

Unsure of how or where to get started with Azure API Management, Microsoft's managed service for securing, maintaining, and monitoring APIs? Then this guide is for you. Azure API Management integrates services like Azure Kubernetes Services (AKS), Function Apps, Logic Apps, and many others with the cloud and provides users with a single, unified, and well-structured façade in the cloud. Mastering Azure API Management is designed to help API developers and cloud engineers learn all aspects of Azure API Management, including security and

compliance. It provides a pathway for getting started and learning valuable management and administration skills. You will learn what tools you need to publish a unified API façade towards backend services, independent of where and what they run on. You will begin with an overview of web APIs. You will learn about today's challenges and how a unified API management approach can help you address them. From there you'll dive into the key concepts of Azure API Management and be given a practical view and approach of API development in the context of Azure API Management. You'll then review different ways of integrating Azure API Management into your enterprise architecture. From there, you will learn how to optimally maintain and administer Azure API Management

to secure your APIs, and learn from them, gaining valuable insights through logging and monitoring. What You Will Learn Discover the benefits of an enterprise API platform Understand the basic concepts of API management in the Microsoft cloud Develop and publish your APIs in the context of Azure API Management Onboard users through the developer portal Help your team or other developers to publish their APIs more efficiently Integrate Azure API Management securely into your enterprise architecture Manage and maintain to secure your APIs and gain insights Who This Book Is For API developers, cloud engineers, and Microsoft Azure enthusiasts who want to deep dive into managing an API-centric enterprise architecture with Azure API

Management. To get the most out of the book, the reader should have a good understanding of micro services and APIs. Basic coding skills, including some experience with PowerShell and Azure, are also beneficial.

Continuous Delivery in Java Addison-Wesley Professional

In today's 'more for less' culture, the expectations of project management and delivery are no longer limited to budgets, schedules and quality. For projects to make an impact and have lasting value, the project manager must be able to strategize, innovate, motivate, empower and collaborate - in other words, project managers must learn how to lead. The Power of Project Leadership helps you transform into an effective project leader by shifting your

managerial mindset into one of inspiration, motivation and influence. The book describes what good project leadership looks like and explains how to make the transition using concrete tools and strategies. With underlying theories to help the reader understand how teams and individuals are motivated, it ensures that project managers lead with vision, continuously improve and innovate, work with intent, empower the team, get closer to stakeholders, remain authentic and establish a solid foundation for their projects. The book has a practical and engaging approach and draws on over 25 interviews with leading experts who have made the transition from project managers to project leaders. These experts come from a variety of sectors and companies;

including Expedia, British Gas, Standard Bank, Verizon Enterprise Solutions, Liquid Planner, and the UK Government. Enterprise API Management Apress

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. *Implementing Oracle API Platform Cloud Service* "O'Reilly Media, Inc."

Microservices architectures offer faster change speeds, better scalability, and cleaner, evolvable system designs. But implementing your first microservices architecture is difficult. How do you

make myriad choices, educate your team on all the technical details, and navigate the organization to a successful execution to maximize your chance of success? With this book, authors Ronnie Mitra and Irakli Nadareishvili provide step-by-step guidance for building an effective microservices architecture. Architects and engineers will follow an implementation journey based on techniques and architectures that have proven to work for microservices systems. You'll build an operating model, a microservices design, an infrastructure foundation, and two working microservices, then put those pieces together as a single implementation. For anyone tasked with building microservices or a microservices architecture, this guide is invaluable.

Learn an effective and explicit end-to-end microservices system design Define teams, their responsibilities, and guidelines for working together Understand how to slice a big application into a collection of microservices Examine how to isolate and embed data into corresponding microservices Build a simple yet powerful CI/CD pipeline for infrastructure changes Write code for sample microservices Deploy a working microservices application on Amazon Web Services

Continuous API Management BoD - Books on Demand

Learn how to successfully implement API management using Oracle's API Management Solution 12c About This Book Explore the key concepts, goals, and objectives of API Management and

learn how to implement it using the Oracle API Management Solution Understand the concepts and objectives of the Application Service Governance (ASG), along with the governance framework that encompasses people, processes, and technology Get to grips with API Management readiness assessments, gap analysis, digital reference architecture, and implementation roadmaps Who This Book Is For This book is for Enterprise Architects, Solution Architects, Technical Architects, and SOA and API consultants who want to successfully implement API Management using the Oracle API Management Solution products. What You Will Learn Understand how to manage a set of APIs Discover the differences and similarities between API

Management and SOA Governance, and where and how these two disciplines converge into Application Services Governance (ASG) Grasp information about ASG and how to define an ASG governance framework Understand the challenges for organizations looking to expose APIs to the external world. Identify common scenarios and how to solve them Define an Oracle API management deployment topology Install and configure Oracle API Catalog (OAC), Oracle API Manager (OAPIM), and Oracle API Gateway (OAG) Learn about API subscriptions and API community management with the OAPIM portal Implement Oracle API Manager (OAPIM) including creation, publishing, management and deprecation of APIs In Detail Oracle SOA Governance is a

comprehensive, service-orientated governance solution that is designed to make the transition to SOA easier. API management is the discipline that governs the software development lifecycle of APIs. It defines the tools and processes needed to build, publish and operate APIs including the management of the community of developers around it. This book illustrates how to successfully implement API Management in your organization. To achieve this, the importance of defining an API management strategy and implementation roadmap so that capabilities are implemented in the right order and timeframes is described. It starts by describing all of the fundamental concepts around API Management and related disciplines

such as SOA Governance and DevOps in order to dispel the confusion surrounding these topics. The book then takes you on the journey of implementing API Management, using a realistic case study of an organization that needs an API Management solution. You will start by identifying the key business drivers to implement APIs and then create an API Management strategy and a roadmap to realize this strategy. You'll then go through a number of use cases, each focused on addressing specific business requirements. These will help you understand each of the Oracle API Management products, how they fit into an overall architecture, and how to implement them. The book concludes by providing some tips and guidelines around defining a deployment topology

for the Oracle API Management products and the steps to install them. Style and approach This book is a comprehensive guide to successfully implementing a complete API Management solution from inception to implementation. The initial chapters introduce you to Oracle SOA Governance and API Management and from there, chapters are mainly hands-on and provide a full step-by-step walkthrough of how to implement the products of the Oracle API management solution to address realistic use cases. [Oracle API Management 12c Implementation](#) "O'Reilly Media, Inc." With the immense cost savings and scalability the cloud provides, the rationale for building cloud native applications is no longer in question. The real issue is how. With this practical

guide, developers will learn about the most commonly used design patterns for building cloud native applications using APIs, data, events, and streams in both greenfield and brownfield development. You'll learn how to incrementally design, develop, and deploy large and effective cloud native applications that you can manage and maintain at scale with minimal cost, time, and effort. Authors Kasun Indrasiri and Sriskandarajah Suhothayan highlight use cases that effectively demonstrate the challenges you might encounter at each step. Learn the fundamentals of cloud native applications Explore key cloud native communication, connectivity, and composition patterns Learn decentralized data management techniques Use event-driven

architecture to build distributed and scalable cloud native applications Explore the most commonly used patterns for API management and consumption Examine some of the tools and technologies you'll need for building cloud native systems

Workplace Learning Apress

Architecting High Performing, Scalable and Available Enterprise Web Applications provides in-depth insights into techniques for achieving desired scalability, availability and performance quality goals for enterprise web applications. The book provides an integrated 360-degree view of achieving and maintaining these attributes through practical, proven patterns, novel models, best practices, performance strategies, and continuous improvement

methodologies and case studies. The author shares his years of experience in application security, enterprise application testing, caching techniques, production operations and maintenance, and efficient project management techniques. Delivers holistic view of scalability, availability and security, caching, testing and project management Includes patterns and frameworks that are illustrated with end-to-end case studies Offers tips and troubleshooting methods for enterprise application testing, security, caching, production operations and project management Exploration of synergies between techniques and methodologies to achieve end-to-end availability, scalability, performance and security quality attributes 360-degree viewpoint

approach for achieving overall quality Practitioner viewpoint on proven patterns, techniques, methodologies, models and best practices. Bulleted summary and tabular representation of concepts for effective understanding Production operations and troubleshooting tips Architecting High Performing, Scalable and Available Enterprise Web Applications "O'Reilly Media, Inc." Research, strategize, market, and continuously measure the effectiveness of APIs to meet your SaaS business goals with this practical handbook Key Features Transform your APIs into revenue-generating entities by turning them into products Meet your business needs by improving the way you research, strategize, market, and

measure results. Create and implement a variety of metrics to promote growth. Book Description APIs are crucial in the modern market as they allow faster innovation. But have you ever considered your APIs as products for revenue generation? API Analytics for Product Managers takes you through the benefits of efficient researching, strategizing, marketing, and continuously measuring the effectiveness of your APIs to help grow both B2B and B2C SaaS companies. Once you've been introduced to the concept of an API as a product, this fast-paced guide will show you how to establish metrics for activation, retention, engagement, and usage of your API products, as well as metrics to measure the reach and effectiveness of

documentation—an often-overlooked aspect of development. Of course, it's not all about the product—as any good product manager knows; you need to understand your customers' needs, expectations, and satisfaction too. Once you've gathered your data, you'll need to be able to derive actionable insights from it. This is where the book covers the advanced concepts of leading and lagging metrics, removing bias from the metric-setting process, and bringing metrics together to establish long- and short-term goals. By the end of this book, you'll be perfectly placed to apply product management methodologies to the building and scaling of revenue-generating APIs. What you will learn. Build a long-term strategy for an API. Explore the concepts of the API life cycle and API

maturity Understand APIs from a product management perspective Create support models for your APIs that scale with the product Apply user research principles to APIs Explore the metrics of activation, retention, engagement, and churn Cluster metrics together to provide context Examine the consequences of gameable and vanity metrics Who this book is for If you're a product manager, engineer, or product executive charged with making the most of APIs for your SaaS business, then this book is for you. Basic knowledge of how APIs work and what they do is essential before you get started with this book, since the book covers the analytical side of measuring their performance to help your business grow.

Getting Started with IBM API Connect:

Scenarios Guide IBM Redbooks API is technology and digital product used for artificial intelligence, platform economy, and internet. It has the capability to change business models dramatically. APIs (application programming interfaces) are becoming a major competitive factor for companies. This book takes on the fundamental questions of API Economy and approaches the subject pragmatically and clearly without technical jargon. The book clarifies the birth and shape of the API Economy with numerous practical examples. This is the first API Economy book based on scientific references. Originally this popular book was written in Finnish. It is a great start for students and advanced professionals alike. After reading this book, you will understand

what it is all about and how to move forward and grow your business with APIs. The authors are leading Finnish API-experts with an abundance of experience from API and platform economy as authors, researchers, and lecturers and consultants.

Data Management at Scale O'Reilly Media

Learn to design, implement, measure, and improve DevOps programs that are tailored to your organization. This concise guide assists leaders who are accountable for the rapid development of high-quality software applications. In DevOps for Digital Leaders, deep collective experience on both sides of the dev-ops divide informs the global thought leadership and penetrating insights of the authors, all three of whom

are cross-portfolio DevOps leaders at CA Technologies. Aruna Ravichandran, Kieran Taylor, and Peter Waterhouse analyze the organizational benefits, costs, freedoms, and constraints of DevOps. They chart the coordinated strategy of organizational change, metrics, lean thinking, and investment that an enterprise must undertake to realize the full potential of DevOps and reach the sweet spot where accelerating code deployments drive increasing customer satisfaction, revenue, and profitability. Digital leaders are charged to bridge the dev-ops disconnect if their organizations are to survive and flourish in a business world increasingly differentiated by the degree to which dynamic application software development harmonizes with

operational resilience and reliability. This short book applies the DevOps perspective to the competitive challenge, faced by every high-performance IT organization today, of integrating and automating open source, cloud, and enterprise tools, processes, and techniques across the software development life cycle from requirements to release. What You Will Learn: Remove dependencies and constraints so that parallel practices can accelerate the development of defect-free software Automate continuous delivery across the software life cycle to eliminate release bottlenecks, manual labor waste, and technical debt accumulation Generate virtualized production-style testing of applications through real-time behavioral analytics

Adopt agile practices so operations teams can support developer productivity with automated feedback, streamline infrastructure monitoring, spot and resolve operations issues before they impact production, and improve customer experience Identify the DevOps metrics appropriate to your organization and integrate DevOps with your existing best practices and investment Who This Book Is For: IT leaders in large companies and government agencies who have any level of responsibility for the rapid development of high-quality software applications. The secondary readership is members of development and operations teams, security professionals, and service managers. Continuous API Management "O'Reilly

Media, Inc."

Unpack your API toolkit with this guide to SAP API Management. Learn how to use the API Designer to create enterprise APIs and discover how to manage their lifecycle. Walk through key processes that optimize your APIs and keep them running smoothly: traffic management, mediation, security, and monetization. Get expert guidance on building applications, generating integration flows, and running analytics. Master API management from end to end In this book, you'll learn about: a. API Lifecycle Walk through API management from end to end: design, management, consumption, and more. Understand how components such as the Developer Portal and API Gateway support the API lifecycle. b. Key Processes Make the

most of your APIs. See how to monitor traffic; perform message transformation, parsing, and validation; handle API security threats; and monetize API products. c. Consumption and Analytics Get your APIs working for you. Learn how to consume APIs in SAP Fiori apps, mobile apps built with SAP Mobile Services, and more. Then, analyze API consumption to gain insight into usage trends and performance. Highlights Include: 1) Architecture 2) End-to-end lifecycle 3) Design and development 4) Traffic management 5) Mediation 6) Security 7) Monetization 8) Consumption 9) Enterprise integration 10) Analytics 11) SAP API Business Hub Managing the Unmanageable Packt Publishing Ltd Using a web API to provide services to

application developers is one of the more satisfying endeavors that software engineers undertake. But building a popular API with a thriving developer ecosystem is also one of the most challenging. With this practical guide, developers, architects, and tech leads will learn how to navigate complex decisions for designing, scaling, marketing, and evolving interoperable APIs. Authors Brenda Jin, Saurabh Sahni, and Amir Shevat explain API design theory and provide hands-on exercises for building your web API and managing its operation in production. You'll also learn how to build and maintain a following of app developers. This book includes expert advice, worksheets, checklists, and case studies from companies including Slack, Stripe,

Facebook, Microsoft, Clouinary, Oracle, and GitHub. Get an overview of request-response and event-driven API design paradigms Learn best practices for designing an API that meets the needs of your users Use a template to create an API design process Scale your web API to support a growing number of API calls and use cases Regularly adapt the API to reflect changes to your product or business Provide developer resources that include API documentation, samples, and tools

API Analytics for Product Managers

O'Reilly Media

Continuous delivery adds enormous value to the business and the entire software delivery lifecycle, but adopting this practice means mastering new skills typically outside of a developer's

comfort zone. In this practical book, Daniel Bryant and Abraham Marín-Pérez provide guidance to help experienced Java developers master skills such as architectural design, automated quality assurance, and application packaging and deployment on a variety of platforms. Not only will you learn how to create a comprehensive build pipeline for continually delivering effective software, but you'll also explore how Java application architecture and deployment platforms have affected the way we rapidly and safely deliver new software to production environments. Get advice for beginning or completing your migration to continuous delivery. Design architecture to enable the continuous delivery of Java applications. Build application artifacts including fat

JARs, virtual machine images, and operating system container (Docker) images. Use continuous integration tooling like Jenkins, PMD, and find-secbugs to automate code quality checks. Create a comprehensive build pipeline and design software to separate the deploy and release processes. Explore why functional and system quality attribute testing is vital from development to delivery. Learn how to effectively build and test applications locally and observe your system while it runs in production.

SAP API Management Apress

As data management and integration continue to evolve rapidly, storing all your data in one place, such as a data warehouse, is no longer scalable. In the very near future, data will need to be

distributed and available for several technological solutions. With this practical book, you'll learn how to migrate your enterprise from a complex and tightly coupled data landscape to a more flexible architecture ready for the modern world of data consumption. Executives, data architects, analytics teams, and compliance and governance staff will learn how to build a modern scalable data landscape using the Scaled Architecture, which you can introduce incrementally without a large upfront

investment. Author Piethein Strengholt provides blueprints, principles, observations, best practices, and patterns to get you up to speed. Examine data management trends, including technological developments, regulatory requirements, and privacy concerns Go deep into the Scaled Architecture and learn how the pieces fit together Explore data governance and data security, master data management, self-service data marketplaces, and the importance of metadata