

## Read free Web api design apigee (Download Only)

API Play Framework 2 APIs: A Strategy Guide API Design Patterns Patterns for API Design Principles of Web API Design Software Architectures REST API Design Rulebook Google Certified Professional Cloud Architect RESTful Web Service-Driven Approaches to Architecture and Enterprise Integration Teaching and Learning in a Digital World Web Engineering API Security for White Hat Hackers Serverless Design Patterns and Best Practices Mastering ServiceStack API-Design Policy Design in the Age of Digital Adoption Practical API Architecture and Development with Azure and AWS Architecting Google Cloud Solutions Paging Dr. Within Digital Java EE 7 Web Application Development Design Patterns for Cloud Native Applications Pro RESTful APIs Emerging Technologies for Developing Countries Cisco Certified DevNet Professional DEVCOR 350-901 Official Cert Guide Learning Domain-Driven Design Microservices Design Patterns Handbook of Research on Architectural Trends in Service-Driven Computing Creating Maintainable APIs Google Cloud Certified Professional Cloud Architect All-in-One Exam Guide Enterprise API Management Serverless Computing: Principles and Paradigms Salesforce Lightning Platform Enterprise Architecture Business Intelligence: Concepts, Methodologies, Tools, and Applications Designing and Building Solid Microservice Ecosystems PaaS, IaaS, And SaaS: Complete Cloud Infrastructure IaaS Mastery: Infrastructure As A Service Data Management at Scale



## API Design Patterns *2021-07-20*

a collection of best practices and design standards for web and internal apis in api design patterns you will learn guiding principles for api patterns fundamentals of resource layout and naming handling data types for any programming language standard methods that ensure predictability field masks for targeted partial updates authentication and validation methods for secure apis collective operations for moving managing and deleting data advanced patterns for special interactions and data transformations api design patterns reveals best practices for building stable user friendly apis these design patterns can be applied to solve common api problems and flexibly altered to fit your specific needs hands on examples and relevant use cases illustrate patterns for api fundamentals advanced functionalities and even uncommon scenarios apis are contracts that define how applications services and components communicate api design patterns provide a shared set of best practices specifications and standards that ensure apis are reliable and simple for other developers to use this book collects and explains the most important patterns from both the api design community and the experts at google api design patterns lays out a set of design principles for building internal and public facing apis google api expert jj geewax presents patterns that ensure your apis are consistent scalable and flexible you ll improve the design of the most common apis plus discover techniques for tricky edge cases precise illustrations relevant examples and detailed scenarios make every pattern clear and easy to understand

## Patterns for API Design *2022-12-05*

proven patterns for designing evolvable high quality apis for any domain technology or platform apis enable breakthrough innovation and digital transformation in organizations and ecosystems of all kinds to create user friendly reliable and well performing apis architects designers and developers need expert design guidance this practical guide cuts through the complexity of api conversations and their message contents introducing comprehensive guidelines and heuristics for designing apis sustainably and specifying them clearly for whatever technologies or platforms you use in patterns for api design simplifying integration with loosely coupled message exchanges five expert architects and developers cover the entire api lifecycle from launching projects and establishing goals through defining requirements elaborating designs planning evolution and creating useful documentation they crystallize the collective knowledge of many practitioners into 44 api design patterns consistently explained with context pros and cons conceptual solutions and concrete examples to make their pattern language accessible they present a domain model a running case study decision narratives with pattern selection options and criteria and walkthroughs of real world projects applying the patterns in two different industries identify and overcome api design challenges with patterns size your endpoint types and operations adequately design request and response messages

and their representations refine your message design for quality plan to evolve your apis document and communicate your api contracts combine patterns to solve real world problems and make the right tradeoffs this book provides a healthy mix of theory and practice containing numerous nuggets of deep advice but never losing the big picture grounded in real world experience and documented with academic rigor applied and practitioner community feedback incorporated i am confident that it will serve the community well today and tomorrow prof dr dr h c frank leymann managing director institute of architecture of application systems university of stuttgart

## **Principles of Web API Design 2021**

principles of api design is a comprehensive start to finish guide to the processes required for effective api design unlike other books it covers the entire lifecycle leading api and microservices consultant james higinbotham shows how api development teams can successfully integrate processes that occur before during and after api design to scale api development far beyond single individuals or small teams higinbotham addresses rest in depth while also fully covering rpc and graph based api design as well as messaging streaming and event based async apis coverage includes the art of api design and an overview of the api design process crafting job stories conducting eventstorming sessions and modeling api capabilities designing apis that can easily evolve implementing apis and moving to microservices improving api quality through effective testing documentation and protection mechanisms establishing and maturing your api program leveraging program and data management techniques that scale

## **Software Architectures 2024-06-26**

learn how to create successful architectural designs and improve your current design practices designing software architectures 2nd edition provides a practical step by step methodology for architecture design that any professional software engineer can use with structured methods supported by reusable chunks of design knowledge and rich case studies that demonstrate how to use the methods the attribute driven design method may not have changed since this book s first printing but almost everything else about the industry has in this newly updated edition you will find new chapters on supporting business agility through api centric design deployability cloud based solutions and technical debt in design humberto cervantes and rick kazman illuminate best practices for how architects should design complex systems so you can make design decisions in systematic repeatable and cost effective ways this book will help you become a better more confident designer who can create high quality architectures with ease the new edition includes a clear explanation of the attribute driven design method new chapters focused on the technical environments and contexts of contemporary design two new case studies on the hotel pricing system and digital twin

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platform coverage of current architecture topics like cloud computing devops and large scale systems methods to make architecture design agile and achievable register your product at informit.com register for convenient access to downloads updates and or corrections as they become available

## **REST API Design Rulebook *2011-10-18***

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 massâ introduces the 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

## **Google Certified Professional Cloud Architect *2023-11-13***

are you aspiring to become a certified expert in cloud architecture on the google cloud platform gcp look no further this comprehensive guide is your key to mastering the essential concepts and skills needed to ace the google certified professional cloud architect exam dive into the world of cloud computing with a focus on google cloud platform this book takes you on a journey from the fundamentals of cloud computing to in depth discussions on gcp services identity and access management resource management networking compute containers storage databases data analytics cloud operations and more enhance your exam preparedness with a collection of practice exam questions each question is designed to mimic the format and content of the actual certification exam detailed explanations accompany each answer providing valuable insights and clarifications to solidify your understanding key features comprehensive coverage explore a wide range of gcp services and topics ensuring you have a well rounded understanding of cloud architecture principles hands on insight gain practical insights through hands on examples and scenarios preparing you for real world challenges in cloud architecture practice exam questions test your knowledge with a set of carefully crafted practice exam questions and receive detailed explanations for each answer strategic learning path follow a strategic learning path that progressively builds your skills and

knowledge making complex concepts accessible and understandable preparation guidance receive guidance on exam preparation strategies best practices and tips to boost your confidence and performance on the certification exam it professionals aspiring to become google certified professional cloud architects cloud enthusiasts seeking comprehensive insights into google cloud platform services and practices professionals aiming to validate their cloud architecture skills with a globally recognized certification equip yourself with the knowledge and confidence to architect scalable secure and highly available solutions on google cloud platform whether you re new to cloud technology or an experienced professional this guide is tailored to elevate your skills and prepare you for success in the dynamic world of cloud architecture unlock the doors to your cloud journey get ready to pass the google certified professional cloud architect exam with flying colors

## **RESTful Web APIs 2007-12**

RESTful APIs

## **Service-Driven Approaches to Architecture and Enterprise Integration 2013-06-30**

while business functions such as manufacturing operations and marketing often utilize various software applications they tend to operate without the ability to interact with each other and exchange data this provides a challenge to gain an enterprise wide view of a business and to assist real time decision making service driven approaches to architecture and enterprise integration addresses the issues of integrating assorted software applications and systems by using a service driven approach supporting the dynamics of business needs this book highlights the tools techniques and governance aspects of design and implements cost effective enterprise integration solutions it is a valuable source of information for software architects soa practitioners and software engineers as well as researchers and students in pursuit of extensible and agile software design

## **Teaching and Learning in a Digital World 2018-02-09**

this book gathers the proceedings of the 20th international conference on interactive collaborative learning icl2017 held in budapest hungary on 27 29 september 2017 the authors are currently witnessing a significant transformation in the development of education the impact of globalisation on all areas of human life the exponential acceleration of technological

developments and global markets and the need for flexibility and agility are essential and challenging elements of this process that have to be tackled in general but especially in engineering education to face these current real world challenges higher education has to find innovative ways to quickly respond to them since its inception in 1998 this conference has been devoted to new approaches in learning with a focus on collaborative learning today the icl conferences offer a forum for exchange concerning relevant trends and research results and for sharing practical experience gained while developing and testing elements of new technologies and pedagogies in the learning context

## ***Web Engineering 2013-07-08***

this book constitutes the refereed proceedings of the 13th international conference on engineering icwe 2013 held in aalborg denmark in july 2013 the 21 full research papers 4 industry papers and 11 short papers presented were carefully reviewed and selected from 92 submissions the scientific program was completed with 7 workshops 6 demonstrations and posters the papers cover a wide spectrum of topics such as among others web mining and knowledge extraction semantic and linked data management crawling and web research model driven web engineering component based web engineering rich internet applications rias and client side programming web services and end user development

## ***API Security for White Hat Hackers 2024-06-28***

become an api security professional and safeguard your applications against threats with this comprehensive guide key features gain hands on experience in testing and fixing api security flaws through practical exercises develop a deep understanding of api security to better protect your organization s data integrate api security into your company s culture and strategy ensuring data protection purchase of the print or kindle book includes a free pdf ebook book descriptionapis have evolved into an essential part of modern applications making them an attractive target for cybercriminals written for security professionals and developers this comprehensive guide offers practical insights into testing apis identifying vulnerabilities and fixing them with a focus on hands on learning this book guides you through securing your apis in a step by step manner you ll learn how to bypass authentication controls circumvent authorization controls and identify vulnerabilities in apis using open source and commercial tools moreover you ll gain the skills you need to write comprehensive vulnerability reports and recommend and implement effective mitigation strategies to address the identified vulnerabilities this book isn t just about hacking apis it s also about understanding how to defend them you ll explore various api security management strategies and understand how to use them to safeguard apis against emerging threats by the end of this book you ll have a profound understanding of api security and how to defend against the latest threats whether you re a developer security professional or ethical hacker this book will ensure that your apis are

secure and your organization's data is protected what you will learn implement api security best practices and industry standards conduct effective api penetration testing and vulnerability assessments implement security measures for api security management understand threat modeling and risk assessment in api security gain proficiency in defending against emerging api security threats become well versed in evasion techniques and defend your apis against them integrate api security into your devops workflow implement api governance and risk management initiatives like a pro who this book is for if you're a cybersecurity professional web developer or software engineer looking to gain a comprehensive understanding of api security this book is for you the book is ideal for those who have beginner to advanced level knowledge of cybersecurity and api programming concepts professionals involved in designing developing or maintaining apis will also benefit from the topics covered in this book

## **Serverless Design Patterns and Best Practices *2018-04-12***

get started with designing your serverless application using optimum design patterns and industry standard practices key features learn the details of popular software patterns and how they are applied to serverless applications understand key concepts and components in serverless designs walk away with a thorough understanding of architecting serverless applications book description serverless applications handle many problems that developers face when running systems and servers the serverless pay per invocation model can also result in drastic cost savings contributing to its popularity while it's simple to create a basic serverless application it's critical to structure your software correctly to ensure it continues to succeed as it grows serverless design patterns and best practices presents patterns that can be adapted to run in a serverless environment you will learn how to develop applications that are scalable fault tolerant and well tested the book begins with an introduction to the different design pattern categories available for serverless applications you will learn the trade offs between graphql and rest and how they fare regarding overall application design in a serverless ecosystem the book will also show you how to migrate an existing api to a serverless backend using aws api gateway you will learn how to build event driven applications using queuing and streaming systems such as aws simple queuing service sqs and aws kinesis patterns for data intensive serverless application are also explained including the lambda architecture and mapreduce this book will equip you with the knowledge and skills you need to develop scalable and resilient serverless applications confidently what you will learn comprehend the popular design patterns currently being used with serverless architectures understand the various design options and corresponding implementations for serverless web application apis learn multiple patterns for data intensive serverless systems and pipelines including mapreduce and lambda architecture learn how to leverage hosted databases queues streams storage services and notification services understand error handling and system monitoring in a serverless architecture a serverless architecture learn how to set up a serverless application for continuous integration continuous delivery and continuous deployment



who this book is for if you re a software architect engineer or someone who wants to build serverless applications which are non trivial in complexity and scope then this book is for you  
basic knowledge of programming and serverless computing concepts are assumed

## Mastering ServiceStack 2015-10-28

utilize servicestack as the rock solid foundation of your distributed system about this book take advantage of the various data providers to access authentication and authorization  
sessions cache and database leverage asynchronous processing for decoupling components to ease scaling monitor and tune the performance of your distributed system who this book  
is for mastering servicestack is targeted at developers who have already implemented web services with asmx wcf or servicestack and want to gain more insight into the possibilities  
servicestack has to offer to build distributed systems of all scales what you will learn design a prudent and resilient api following the restful design understand the internal processing  
chain and utilize the provided hooks incorporate servicestack as a full service provider to your existing distributed system leverage the power of asynchronous processing and add  
message queues to your architecture analyze and tune the performance of your service in detail mastering servicestack covers real life problems that occur over the lifetime of a  
distributed system and how to solve them by deeply understanding the tools of servicestack distributed systems is the enterprise solution that provide flexibility reliability scaling and  
performance servicestack is an outstanding tool belt to create such a system in a frictionless manner especially sophisticated designed and fun to use the book starts with an introduction  
covering the essentials but assumes you are just refreshing are a very fast learner or are an expert in building web services then the book explains servicestack s data transfer object  
patterns and teach you how it differs from other methods of building web services with different protocols such as soap and soa it also introduces more low level details such as how to  
extend the user auth message queues and concepts on how the technology works by the end of this book you will understand the concepts framework issues and resolutions related to  
servicestack style and approach a step by step approach that follows the natural requirements of a distributed system in a conversational style

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## ***API-Design 2019-05-02***

application programming interfaces apis sind allgegenwärtig denn softwareentwickler benutzen sie nicht nur ständig sondern entwerfen sie häufig auch dieses buch bietet erstmals eine umfassende anleitung für das vielfältige thema api design neben theoretischen konzepten werden zahlreiche praktische hinweise und programmbeispiele für java apis gegeben remote apis in form von restful http soap webservices und messaging die für moderne webanwendungen und andere verteilte systeme enorm wichtig sind spielen in diesem buch ebenfalls eine zentrale rolle aus dem inhalt entwurf leicht benutzbarer apis kompatibilität und versionierung objektkollaboration fluent apis und thread sicherheit dokumentation skalierbarkeit caching api management nach der erfolgreichen lektüre dieses buches kennen sie die grundlagen von apis und sind in der lage objektorientierte apis für softwarekomponenten und remote apis für verteilte systeme zu entwerfen in der zweiten auflage sind u a die behandlung des api standards odata zusätzliche informationen über graphql das jigsaw modulsystem von java und die metrik konnassenz zur untersuchung der Änderbarkeit von apis hinzugekommen

## ***Policy Design in the Age of Digital Adoption 2022-05-04***

a proven methodology to build a policyops function and public policy design frameworks for digital adoption supporting your organization s journey into new paradigms and service models such as cloud saas caas faas and devops key features understand and define policies that can be consumed across the business leverage a framework to embed policy as code into the organization learn how to use open policy agent and its powerful policy language rego book description policy as code pac is a powerful paradigm that enables organizations to implement validate and measure policies at scale policy design in the age of digital adoption is a comprehensive guide to understanding policies their design and implementation for cloud environments using a devops based framework you ll discover how to create the necessary automation its integration and which stakeholders to involve complete with essential concepts practical examples and self assessment questions this book will help you understand policies and how new technologies such as cloud microservices and serverless leverage policy as code you ll work with a custom framework to implement pac in the organization and advance to integrating policies guidelines and regulations into code to enhance the security and resilience posture of the organization you ll also examine existing tools evaluate them and learn a framework to implement pac so that technical and business teams can collaborate more effectively by the end of this book you ll have gained the confidence to design digital policies across your organizational environment what you will learn understand policies guidelines regulations and how they fit together in an organization discover policy related current challenges brought by digital transformation regarding policies find out about open policy engine

opa and other policy engines for different environments get to grips with the latest developments in pac through a review of the literature toolset and usage explore the pac framework to develop trust at scale leveraging patterns and best practices become familiar with tool evaluation and selection using real world examples who this book is for from decision makers such as chief information officers cios and chief information security officers cisos responsible for affecting change horizontally in an organization to cloud and devops architects and engineers this book will help professionals involved in designing implementing and measuring policies in their organizations a basic understanding of concepts such as cloud native technologies infrastructure as code devops and automation is necessary to get started with this book

## **Practical API Architecture and Development with Azure and AWS *2018-06-20***

learn the business and technical importance of api design and architecture using the available cloud services from azure and aws this book starts off with an introduction to apis and the concept of api economy from a business and organizational perspective you ll decide on a sustainable api strategy and api architecture based on different case scenarios you ll then look at actual examples on api development guidelines providing a practical view and approach towards the api development and aligning teams in api development this book walks you through the api gateway services available in azure and aws and reviews different approaches to api security this will prepare you for understanding the trade off between security and the frictionless api experience what you ll learn implement api gateways to streamline api development examine security mapping with api gateways from azure and aws apply api implementation using serverless architecture review evolving apis for monitoring and changing business requirements use code samples in api security implementations who this book is for developers and architects with net and web development experience who want to learn about api design

## ***Architecting Google Cloud Solutions 2021-05-14***

achieve your business goals and build highly available scalable and secure cloud infrastructure by designing robust and cost effective solutions as a google cloud architect key featuresgain hands on experience in designing and managing high performance cloud solutionsleverage google cloud platform to optimize technical and business processes using cutting edge technologies and servicesuse google cloud big data ai and ml services to design scalable and intelligent data solutionsbook description google has been one of the top players in the public cloud domain thanks to its agility and performance capabilities this book will help you design develop and manage robust secure and dynamic solutions to successfully meet your business needs you ll learn how to plan and design network compute storage and big data systems that incorporate security and compliance from the ground up the chapters will

cover simple to complex use cases for devising solutions to business problems before focusing on how to leverage google cloud s platform as a service paas and software as a service saas capabilities for designing modern no operations platforms throughout this book you ll discover how to design for scalability resiliency and high availability later you ll find out how to use google cloud to design modern applications using microservices architecture automation and infrastructure as code iac practices the concluding chapters then demonstrate how to apply machine learning and artificial intelligence ai to derive insights from your data finally you will discover best practices for operating and monitoring your cloud solutions as well as performing troubleshooting and quality assurance by the end of this google cloud book you ll be able to design robust enterprise grade solutions using google cloud platform what you will learn get to grips with compute storage networking data analytics and pricing discover delivery models such as iaas paas and saas explore the underlying technologies and economics of cloud computing design for scalability business continuity observability and resiliency secure google cloud solutions and ensure compliance understand operational best practices and learn how to architect a monitoring solution gain insights into modern application design with google cloud leverage big data machine learning and ai with google cloud who this book is for this book is for cloud architects who are responsible for designing and managing cloud solutions with gcp you ll also find the book useful if you re a system engineer or enterprise architect looking to learn how to design solutions with google cloud moreover cloud architects who already have experience with other cloud providers and are now beginning to work with google cloud will benefit from the book although an intermediate level understanding of cloud computing and distributed apps is required prior experience of working in the public and hybrid cloud domain is not mandatory

## Paging Dr. Within *2020-03-22*

as a patient would you like a patient listener are you tired of medicine treatment trial and error at your expense are you tired of being shuffled from one doctor to another do you want to get better and stay better as a doctor would you like more good information from patients relevant to their symptoms would you like to help patients get better and stay better are you open to venturing out of your comfort zone in diagnosing and treating patients do you sometimes wonder if there is more to diagnosing treating than what you were taught in medical school as a health medical innovator inventor engineer writer other creative person are you looking for some new ideas would you like to interface with the dr within each of us as an insurance company would you like to pay out less if you answered yes to any of the above maybe this book is for you this book describes the concepts of a patient listener and a super symptom checker human computer and or computer assisted human considering the big picture around health and or symptoms this book is about 250 pages a little over half written text the remainder contains many reference links from which you can build upon and learn from the author of this book has set up discussion groups for this book to help others share

network collaborate etc use of the information in this book may help the patient doctor and or others get better some common side effects may include a better understanding of what affects health and symptoms seeing the big picture surrounding symptoms better health less dependence on medication treatment generally feeling better experiencing less perceived stress more contentment with self and life perceiving more control of your life in general realizing there are always options no matter what new insights on what could be done to make it better note continued use of the information in this book may result in staying better ask your doctor if getting better and staying better are right for you

## ***Digital Java EE 7 Web Application Development 2015-09-30***

develop java enterprise applications to meet the emerging digital standards using java ee 7 about this book build modern java ee web applications that insert update retrieve and delete customer data with up to date methodologies delve into the essential javascript programming language and become proficient with front end technologies that integrate with the java platform learn about javaserver faces its lifecycle and custom tags and build exciting digital applications with the aid of handpicked real world examples who this book is for if you are a professional java engineer and want to develop well rounded and strong java development skills then this book is for you what you will learn understand and apply updated javaserver faces key features including html5 support resource library constructs and pass through attributes build web applications that conform to digital standards and governance and leverage the java ee 7 web architecture construct modern jsf forms that apply validation add ajax for immediate validation and write your own validators augment a traditional web application with jsf 2 2 flow beans and flow scope beans program single page applications including angularjs and design java restful back end services for integration utilize modern web frameworks such as bootstrap and foundation in your jsf applications create your own jsf custom components that generate reusable content for your stakeholders and their businesses in detail digital java ee 7 presents you with an opportunity to master writing great enterprise web software using the java ee 7 platform with the modern approach to digital service standards you will first learn about the lifecycle and phases of javaserver faces become completely proficient with different validation models and schemes and then find out exactly how to apply ajax validations and requests next you will touch base with jsf in order to understand how relevant cdi scopes work later you ll discover how to add finesse and pizzazz to your digital work in order to improve the design of your e commerce application finally you will deep dive into angularjs development in order to keep pace with other popular choices such as backbone and ember js by the end of this thorough guide you ll have polished your skills on the digital java ee 7 platform and be able to creat exiting web application style and approach this book takes a step by step and detailed approach coaching you through real world scenarios the book s style is designed for those who enjoy a thorough educational approach

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## ***Design Patterns for Cloud Native Applications 2021-05-17***

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

## ***Pro RESTful APIs 2017-03-20***

discover the restful technologies including rest json xml jax rs web services soap and more for building today s microservices big data applications and web service applications this book is based on a course the oracle based author is teaching for uc santa cruz silicon valley which covers architecture design best practices and coding labs pro restful apis design gives you all the fundamentals from the top down from the top architecture through the middle design to the bottom coding this book is a must have for any microservices or web services developer building applications and services what you ll learn discover the key restful apis including rest json xml jax soap and more use these for web services and data exchange especially in today s big data context harness xml json rest and jax rs in examples and case studies apply best practices to your solutions architecture who this book is for experienced web programmers and developers

## ***Emerging Technologies for Developing Countries 2018-12-13***

this book constitutes the refereed proceedings of the second international eai conference on emerging technologies for developing countries africateg 2018 held in cotonou benin in may 2018 the 12 revised full papers and 4 short papers were selected from 27 submissions the papers are organized thematically in tracks starting with its and security applications and it

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services gaming and user experience

## **Cisco Certified DevNet Professional DEVCOR 350-901 Official Cert Guide *2022-08-15***

trust the best selling official cert guide series from cisco press to help you learn prepare and practice for exam success they are built with the objective of providing assessment review and practice to help ensure you are fully prepared for your certification exam understand and apply cisco certified devnet professional devcor 350 901 exam topics assess your knowledge with chapter opening quizzes review key concepts with exam preparation tasks this is the ebook edition of the cisco certified devnet professional devcor 350 901 official cert guide this ebook does not include access to the companion website with practice exam that comes with the print edition cisco certified devnet professional devcor 350 901 official cert guide presents you with an organized test preparation routine through the use of proven series elements and techniques do i know this already quizzes open each chapter and enable you to decide how much time you need to spend on each section exam topic lists make referencing easy chapter ending exam preparation tasks help you drill on key concepts you must know thoroughly cisco certified devnet professional devcor 350 901 official cert guide focuses specifically on the objectives for the devnet professional devcor 350 901 exam four leading cisco devnet experts share preparation hints and test taking tips helping you identify areas of weakness and improve both your conceptual knowledge and hands on skills material is presented in a concise manner focusing on increasing your understanding and retention of exam topics well regarded for its level of detail assessment features comprehensive design scenarios and challenging review questions and exercises this official study guide helps you understand the concepts and apply the techniques you need to enable you to succeed on the exam the first time it helps you learn all the topics on the devcor 350 901 exam deepening your knowledge of software development and design distributed apps app design problem solving databases architectural patterns and more apis rest apis error handling flow control usage optimization oauth2 authorization cisco platforms api or script usage with webex teams firepower meraki intersight ucs cisco dna appdynamics custom dashboards application deployment and security ci cd pipelines docker kubernetes containers data privacy secret storage owasp threat mitigation encryption and more infrastructure and automation model driven telemetry restconf ansible puppet configuration management app hosting

## **Learning Domain-Driven Design *2021-10-08***

building software is harder than ever as a developer you not only have to chase ever changing technological trends but also need to understand the business domains behind the software this practical book provides you with a set of core patterns principles and practices for analyzing business domains understanding business strategy and most importantly

aligning software design with its business needs author vlad khononov shows you how these practices lead to robust implementation of business logic and help to future proof software design and architecture you ll examine the relationship between domain driven design ddd and other methodologies to ensure you make architectural decisions that meet business requirements you ll also explore the real life story of implementing ddd in a startup company with this book you ll learn how to analyze a company s business domain to learn how the system you re building fits its competitive strategy use ddd s strategic and tactical tools to architect effective software solutions that address business needs build a shared understanding of the business domains you encounter decompose a system into bounded contexts coordinate the work of multiple teams gradually introduce ddd to brownfield projects

### ***Microservices Design Patterns 2014-06-30***

uncover the secrets to building robust and scalable microservices architectures in the digital era microservices design patterns is your essential guide to navigating the complex landscape of modern software development whether you re a seasoned architect or a curious developer this book offers a deep dive into proven design patterns that empower you to create agile scalable and resilient microservices inside you ll explore strategies for scaling microservices fault tolerance and resilience patterns service discovery and communication patterns security best practices monitoring and observability techniques with real world examples and practical insights this book is a must read for anyone looking to master microservices design elevate your software development skills and stay ahead in the rapidly evolving world of technology ready to revolutionize your approach to microservices dive into microservices design patterns today get your copy now and embark on a journey to architecting the future of scalable software

### **Handbook of Research on Architectural Trends in Service-Driven Computing 2016-11-14**

research into the next generation of service architecture techniques has enabled the design development and implementation of dynamic adaptive and autonomic services to enable enterprises to efficiently align information technology with their agile business requirements and foster smart services and seamless enterprise integration handbook of research on architectural trends in service driven computing explores delineates and discusses recent advances in architectural methodologies and development techniques in service driven computing this comprehensive publication is an inclusive reference source for organizations researchers students enterprise and integration architects practitioners software developers and software engineering professionals engaged in the research development and integration of the next generation of computing



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## ***Creating Maintainable APIs 2021-02-19***

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

## ***Google Cloud Certified Professional Cloud Architect All-in-One Exam Guide 2019-07-23***

everything you need to succeed on the google cloud certified professional cloud architect exam in one accessible study guide take the challenging google cloud certified professional cloud architect exam with confidence using the comprehensive information contained in this invaluable self study guide the book provides a thorough overview of cloud architecture and google cloud platform gcp and shows you how to pass the test beyond exam preparation the guide also serves as a valuable on the job reference written by a recognized expert in the field google cloud certified professional cloud architect all in one exam guide is based on proven pedagogy and features special elements that teach and reinforce practical skills the book contains accurate practice questions and in depth explanations you will discover how to design develop and manage robust secure scalable and highly available solutions to drive business objectives offers 100 coverage of every objective for the google cloud certified professional cloud architect exam online content includes 100 additional practice questions in the totaltester customizable exam engine written by a google cloud certified professional cloud architect

## ***Enterprise API Management 2023-05-11***

a strategy and implementation guide for building deploying and managing apis key featurescomprehensive end to end guide to business driven enterprise apisdistills years of experience with api and microservice strategiesprovides detailed guidance on implementing api led architectures in any businessbook description apis are the cornerstone of modern agile enterprise systems they enable access to enterprise services from a wide variety of devices act as a platform for innovation and open completely new revenue streams enterprise api management

shows how to define the right architecture implement the right patterns and define the right organization model for business driven apis drawing on his experience of developing api and microservice strategies for some of the world s largest companies luis weir explains how apis deliver value across an enterprise the book explores the architectural decisions implementation patterns and management practices for successful enterprise apis as well as providing clear actionable advice on choosing and executing the right api strategy in your enterprise with a relentless focus on creating business value luis weir reveals an effective method for planning building and running business products and services with apis what you will learn create api strategies to deliver business value monetize apis promoting them through public marketplaces and directories develop api led architectures applying best practice architecture patterns choose between rest graphql and grpc style api architectures manage apis and microservices through the complete life cycle deploy apis and business products as well as target operating models lead product based organizations to embrace devops and focus on delivering business capabilities who this book is for architects developers and technology executives who want to deliver successful api strategies that bring business value

## **Serverless Computing: Principles and Paradigms 2019-11-04**

this book explores how advances in graphic processing units gpus programmable logic devices tpus and field programmable gate arrays have altered the serverless computing landscape fpgas distributed system architectures and implementations have undergone significant changes due to the popularity of serverless computing making and releasing product applications doing market research and maintaining customer interactions might all benefit from the reduced infrastructure expenses made possible by serverless computing this book is a great resource for teachers and students interested in learning more about serverless computing some of the main questions surrounding serverless technology such as scalability and performance distribution are answered concepts and fundamentals of computing performance such as cost free operation good time and resource management fairness and interoperability are discussed serverless is at the forefront of this shift which has made data intensive distributed applications and open source platforms essential for any modern computer to function data centric queuing real time logging and monitoring querying and alarms are all examples of serverless services

## **Salesforce Lightning Platform Enterprise Architecture 2015-12-29**

key features use the lightning platform to build integrated scalable and robust apps focused on enterprise level customer demands use the lightning component framework to deliver modern and responsive user experiences targeting multiple devices through lightning experience and salesforce mobile extend your application with access to external services and ai

book descriptionsalesforce lightning provides a secure and scalable platform to build deploy customize and upgrade applications this book will take you through the architecture of building an application on the lightning platform to help you understand its features and best practices and ensure that your app keeps up with your customers increasing needs as well as the innovations on the platform this book guides you in working with the popular apaas offering from salesforce the lightning platform you ll see how to build and ship enterprise grade apps that not only leverage the platform s many productivity features but also prepare your app to harness its extensibility and customization capabilities you ll even get to grips with advanced application architectural design patterns such as separation of concerns unit testing and dependency integration you will learn to use apex and javascript with lightning components platform events among others with the help of a sample app illustrating patterns that will ensure your own applications endure and evolve with the platform finally you will become familiar with using salesforce dx to develop publish and monitor a sample app and experience standard application life cycle processes along with tools such as jenkins to implement ci cd by the end of this book you will have learned how to develop effective business apps and be ready to explore innovative ways to meet customer demands what you will learn create and deploy appexchange packages and manage upgrades understand enterprise application architecture patterns customize mobile and desktop user experience with lightning components manage large data volumes with asynchronous processing and big data strategies implement source control and continuous integration add ai to your application with einstein use lightning external services to integrate external code and data with your lightning application who this book is for this book is for lightning platform developers who want to discover the true potential of the platform to develop complex scalable applications for use in enterprise businesses

## ***Business Intelligence: Concepts, Methodologies, Tools, and Applications 2023-05-12***

data analysis is an important part of modern business administration as efficient compilation of information allows managers and business leaders to make the best decisions for the financial solvency of their organizations understanding the use of analytics reporting and data mining in everyday business environments is imperative to the success of modern businesses business intelligence concepts methodologies tools and applications presents a comprehensive examination of business data analytics along with case studies and practical applications for businesses in a variety of fields and corporate arenas focusing on topics and issues such as critical success factors technology adaptation agile development approaches fuzzy logic tools and best practices in business process management this multivolume reference is of particular use to business analysts investors corporate managers and entrepreneurs in a variety of prominent industries

## Designing and Building Solid Microservice Ecosystems *101-01-01*

It is not new to us that microservices are changing the way we conceive digital transformation as organizations embrace digital transformation every day more and more companies are betting on microservice adoption and there is a strong reason for this business needs to evolve and change at a fast pace in order to adapt itself to satisfy a demanding 2.0 digital customer's experience in terms of overall service quality ensuring that such a change occurs seamlessly and progressively is one of the goals for microservices and designing and building a solid microservice architecture is the way to guarantee that this happens from inception by observing principles, best practices, design patterns, and reference models. This book provides a comprehensive walkthrough across the different concepts, frameworks, methodologies, and architecture building blocks that make up a microservice ecosystem and constitute a reference architecture from which you can get to multiple sub-architectures and implementations. Being an architect, you'll learn how to better design microservice-led and event-centric architectures in the right way from the early beginning by showcasing learned lessons, best practices, do's and don'ts. If you are starting your architecture career, it's the right place to get introduced to concepts and methodologies that you will then grow over time as you acquire more experience. If you are a developer but willing to jump into the exciting architecture world, this can also be good reading. However, be warned that some basic architectural understandings and concepts need to be first incorporated before walking through the advanced concepts presented throughout this book. This book requires you to have some minimal background around Docker and microservices to better understand the more advanced concepts that are being explained.

## PaaS, IaaS, And SaaS: Complete Cloud Infrastructure *101-01-01*

Introducing the ultimate cloud infrastructure mastery bundle: PaaS, IaaS, and SaaS. Your complete guide from beginner to expert. Are you ready to skyrocket your cloud expertise? Unlock the power of Terraform, GCE, AWS, Microsoft Azure, Kubernetes, and IBM Cloud with this all-encompassing 12-in-1 book bundle. What's inside: 1. Terraform Essentials: Master Infrastructure as Code 2. Google Cloud Engine Mastery: Harness Google's Cloud Power 3. AWS Unleashed: Dominate Amazon Services 4. Azure Mastery: Excel with Microsoft's Cloud 5. Kubernetes Simplified: Conquer Container Orchestration 6. IBM Cloud Mastery: Navigate IBM's Cloud Solutions 7. Plus 5 more essential guides. Why choose our bundle? Comprehensive learning from beginner to expert. This bundle covers it all: real-world application, practical insights for real-world cloud projects, step-by-step guidance, clear and concise instructions for every skill level. Time-saving: get all the knowledge you need in one place. Stay current: up-to-date content for the latest cloud technologies. Affordable: save big compared to buying individual books. Unlock limitless possibilities.

whether you're an aspiring cloud architect, a seasoned developer, or a tech enthusiast, this bundle empowers you to build scalable and efficient cloud infrastructures, deploy and manage applications effortlessly, optimize cloud costs and resources, automate repetitive tasks with Terraform, orchestrate containers with Kubernetes, master multiple cloud platforms, ensure security and compliance. What our readers say: "this bundle is a game changer, I went from cloud novice to cloud expert in no time. The step-by-step guides make complex topics easy to understand. The knowledge in these books is worth every penny. I recommend it to all my colleagues." Bonus: exclusive access to resources, updates, and a community of fellow learners. Embark on your cloud journey today. Don't miss out on this limited-time opportunity to become a cloud infrastructure expert. Click "Add to Cart" now and elevate your cloud skills with the PaaS, IaaS, and SaaS Complete Cloud Infrastructure Bundle.

## IaaS Mastery: Infrastructure As A Service *2020-07-29*

Unlock the power of cloud infrastructure with IaaS Mastery Book Bundle. Are you ready to conquer the dynamic world of cloud infrastructure? Look no further than the IaaS Mastery Infrastructure As A Service Book Bundle, your comprehensive guide to mastering cloud technology with a focus on the industry's leading providers. Discover what's inside:

- Book 1: IaaS Fundamentals: A Beginner's Guide to Cloud Infrastructure** - Begin your journey with a solid foundation. Learn the essentials of cloud computing and understand the core principles of infrastructure as a service. Perfect for newcomers and those seeking a refresher on cloud basics.
- Book 2: Mastering IaaS: Building Scalable Cloud Solutions with AWS and GCP** - Dive into practical applications with Amazon Services (AWS) and Google Cloud Engine (GCP). Gain hands-on experience in creating scalable and resilient cloud solutions using these renowned platforms.
- Book 3: Advanced IaaS Architectures: Optimizing Microsoft Azure for Enterprises** - Elevate your expertise with a deep dive into Microsoft Azure. Explore advanced topics such as high performance, networks, scalable compute solutions, security measures, and automation tailored for enterprise workloads.
- Book 4: IaaS Expertise: Harnessing the Power of IBM Cloud for Enterprise Solutions** - Unleash the potential of IBM Cloud as a tool for enterprise transformation. Discover infrastructure offerings, networking strategies, security features, and advanced automation capabilities. Real-world enterprise success stories provide valuable insights.

Why choose IaaS Mastery? Comprehensive coverage from beginner to expert. This bundle covers everything you need to know about IaaS: hands-on experience, practical examples, and real-world scenarios. Ensure you're ready to apply your knowledge to top cloud providers. Learn from the best: AWS, GCP, Microsoft Azure, and IBM Cloud Enterprise. Focus on equipping yourself with skills tailored for the demands of large organizations. Future-proof your career. Cloud technology is the future. Stay ahead of the curve with this invaluable resource. Don't miss this opportunity to become an IaaS expert. Whether you're an IT professional, aspiring cloud enthusiast, or business leader, IaaS Mastery empowers you with the knowledge and skills to succeed in the digital age. Purchase the bundle today and embark on your journey to mastering cloud infrastructure.

## Data Management at Scale

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 strengtholt 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

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