

Security Architecture And Analysis Avid

The Bulletin of the Atomic Scientists is the premier public resource on scientific and technological developments that impact global security. Founded by Manhattan Project Scientists, the Bulletin's iconic "Doomsday Clock" stimulates solutions for a safer world. Focusing on the recent proliferation of Wi-Fi in hospital systems, this book explains how Wi-Fi is transforming clinical work flows and infusing new life into the types of mobile devices being implemented in hospitals. Drawing on years of consulting with hospitals in the US and abroad, and with first-hand experiences from one of the largest healthcare systems in the United States, it covers the key areas associated with wireless network design, security, and support. Reporting on cutting-edge developments and emerging standards in Wi-Fi technologies, the book explores security implications for each device type. It covers real-time location services and emerging trends in cloud-based wireless architecture.

This book contains comprehensive, up-to-date, and authoritative technical information on the internal structure of the FreeBSD open-source operating system. Coverage includes the capabilities of the system; how to effectively and efficiently interface to the system; how to maintain, tune, and configure the operating system; and how to extend and enhance the system. The authors provide a concise overview of FreeBSD's design and implementation. Then, while explaining key design decisions, they detail the concepts, data structures, and algorithms used in implementing the systems facilities. As a result, this book can be used as an operating systems textbook, a practical reference, or an in-depth study of a contemporary, portable, open-source operating system. -- Provided by publisher.

The annotated diaries of the late influential American diplomat and foreign policy strategist span ninety years of U.S. history while sharing his insights into Depression-era capitalism, the Cold War, and his literary achievements.

Netcat Power Tools

Data-Driven Security

Plan and Design Robust Security Architectures

Monthly Catalogue, United States Public Documents

On Engineering Technologies that Can Deliver Trustworthy Safeguards

Writing About Architecture

This book explores the fundamentals of smart cities along with issues, controversies, problems and applications concerning security and privacy in smart city development. Future smart cities must incorporate innovations like smart rainwater harvesting, smart street lighting, digital identity management, solar energy, intelligent transport systems and emerging communication applications. The target audience of the book includes professionals, researchers, academics, advanced-level students, technology developers, doctors and biologists working in the field of smart city applications. Professionals will find innovative ideas for marketing and research, while developers can use various technologies like IoTand block chain to develop the applications discussed here. As the book shows, by integrating new technologies, the cities of the future are becoming a reality today.

Extraordinary architecture addresses so much more than mere practical considerations. It inspires and provokes while creating a seamless experience of the physical world for its users. It is the rare writer that can frame the discussion of a building in a way that allows the reader to see it with new eyes. Writing About Architecture is a handbook on writing effectively and critically about buildings and cities. Each chapter opens with a reprint of a significant essay written by a renowned architecture critic, followed by a close reading and discussion of the writer's strategies. Lange offers her own analysis using contemporary examples as well as a checklist of questions at the end of each chapter to help guide the writer. This important addition to the Architecture Briefs series is based on the author's design writing courses at New York University and the School of Visual Arts. Lange also writes a popular online column for Design Observer and has written for Dwell, Metropolis, New York magazine, and The New York Times. Writing About Architecture includes analysis of critical writings by Ada Louise Huxtable, Lewis Mumford, Herbert Muschamp, Michael Sorkin, Charles Moore, Frederick Law Olmsted, and Jane Jacobs. Architects covered include Marcel Breuer, Diller Scofidio + Renfro, Field Operations, Norman Foster, Frank Gehry, Frederick Law Olmsted, SOM, Louis Sullivan, and Frank Lloyd Wright.

This perceptive book critically explores why the United States continues to pursue failed policies in Latin America. Leading scholars explain how policies intended to promote the rule of law instead generate corruption and institutional crisis, why policies seeking to promote democratization and stabilization instead generate populist authoritarianism and destabilization, and why the war on drugs and the war on terror have neither reduced narcotics trafficking nor increased citizen security in the region. Reviewing official policy and its defenders and critics alike, this indispensable book focuses on the reasons for the failure of U.S. policies and their disastrous significance for both Latin America and the United States.

The Complete Book of Data Anonymization: From Planning to Implementation supplies a 360-degree view of data privacy protection using data anonymization. It examines data anonymization from both a practitioner's and a program sponsor's perspective. Discussing analysis, planning, setup, and governance, it illustrates the entire process of adapting an

Systems Analysis and Design in a Changing World

Core Concepts

Network World

The Kennan Diaries

Modern Data Warehousing, Mining, and Visualization

Joint Force Quarterly

The 'Storming of the Capitol' was, for many, the culminating media performance of the four-year presidency of Donald Trump. His presidency and its 'final act', bore all the hallmarks of a 21st century form of populism and media-politico spectacle that may yet come to dominate the political scene in the US, and worldwide, for years to come. The questions that such events raise are complex, varied and operative across a multitude of disciplines. This book engages with these vexed questions in the broad fields of politics and media, but does so, uniquely, through the prism of architecture. This book does not, however, limit its view to the recent events in Washington DC or the United States. Rather, it seeks to use those events as the starting point for a critique of architecture in the tapestry of mediated forms of protest and 'political action' more generally. Each chapter draws on case studies from across timeframes and across nations. The book sharpens our critique of the relationship between direct political action, its media representation and the role it assigns to architecture - as played out globally in the age of mass media. In doing so, it opens up broader debates about the past, present and future roles of architecture as a political tool in the context of international political systems now dominated by changing and unpredictable uses of media, and characterised by an increasingly volatile and at times violent form of political activism. It is essential reading for any student or researcher engaging with these questions.

Looks at the process of educational change and examines how a successful school reform project at one institution can be applied to other schools to achieve similar levels of improvement.

Standards for the design of interior spaces should be based on the measurement of human beings and their perception of space, with special consideration for disabled, elderly, and children

Refined and streamlined, SYSTEMS ANALYSIS AND DESIGN IN A CHANGING WORLD, 7E helps students develop the conceptual, technical, and managerial foundations for systems analysis design and implementation as well as project management principles for systems development. Using case driven techniques, the succinct 14-chapter text focuses on content that is key for success in today’s market. The authors’ highly effective presentation teaches both traditional (structured) and object-oriented (OO) approaches to systems analysis and design. The book highlights use cases, use diagrams, and use case descriptions required for a modeling approach, while demonstrating their application to traditional, web development, object-oriented, and service-oriented architecture approaches. The Seventh Edition’s refined sequence of topics makes it easier to read and understand than ever. Regrouped analysis and design chapters provide more flexibility in course organization. Additionally, the text’s running cases have been completely updated and now include a stronger focus on connectivity in applications. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Design and Implementation of the FreeBSD Operating System

Standard & Poor's Stock Reports

Architecture and Science-Fiction Film

The Process of Software Architecting

Build, deploy, and secure Microservices using TypeScript combined with Node.js

New York Stock Exchange, American Stock Exchange, Nasdaq Stock Market and regional exchanges

This award-winning book, substantially updated to reflect the latest developments in the field, introduces the concepts and best practices of software architecture--how a software system is structured and how that system's elements are meant to interact. Distinct from the details of implementation, algorithm, and data representation, an architecture holds the key to achieving system quality, is a reusable asset that can be applied to subsequent systems, and is crucial to a software organization's business strategy. Drawing on their own extensive experience, the authors cover the essential technical topics for designing, specifying, and validating a system. They also emphasize the importance of the business context in which large systems are designed. Their aim is to present software architecture in a real-world setting, reflecting both the opportunities and constraints that companies encounter. To that end, case studies that describe successful architectures illustrate key points of both technical and organizational discussions. Topics new to this edition include: Architecture design and analysis, including the Architecture Tradeoff Analysis Method (ATAM) Capturing quality requirements and achieving them through quality scenarios and tactics Using architecture reconstruction to recover undocumented architectures Documenting architectures using the Unified Modeling Language (UML) New case studies, including Web-based examples and a wireless Enterprise JavaBeans™ (EJB) system designed to support wearable computers The financial aspects of architectures, including use of the Cost Benefit Analysis Method (CBAM) to make decisions If you design, develop, or manage the building of large software systems (or plan to do so), or if you are interested in acquiring such systems for your corporation or government agency, use Software Architecture in Practice, Second Edition, to get up to speed on the current state of software architecture.

Gain practical experience of creating security solutions and designing secure, highly available, and dynamic infrastructure for your organization Key Features Architect complex security structures using standard practices and use cases Integrate security with any architecture solution Implement cybersecurity architecture in various enterprises Book Description Solutions in the IT domain have been undergoing massive changes. There was a time when bringing your own devices to work was like committing a crime. However, with an evolving IT industry comes emerging security approaches. Hands-On Cybersecurity for Architects will help you to successfully design, integrate, and implement complex security structures in any solution whilst ensuring that the solution functions as expected. To start with, you will get to grips with the fundamentals of recent cybersecurity practices, followed by acquiring and understanding your organization's requirements. You will then move on to learning how to plan and design robust security architectures, along with practical approaches to performing various security assessments. Once you have grasped all this, you will learn to design and develop key requirements, such as firewalls, virtual private networks (VPNs), wide area networks (WANs), and digital certifications. In addition to this, you will discover how to integrate upcoming security changes on Bring your own device (BYOD), cloud platforms, and the Internet of Things (IoT), among others. Finally, you will explore how to design frequent updates and upgrades for your systems as per your enterprise's needs. By the end of this book, you will be able to architect solutions with robust security components for your infrastructure. What you will learn Understand different security architecture layers and their integration with all solutions Study SWOT analysis and dig into your organization's requirements to drive the strategy Design and implement a secure email service approach Monitor the age and capacity of security tools and architecture Explore growth projections and architecture strategy Identify trends, as well as what a security architect should take into consideration Who this book is for Hands-On Cybersecurity for Architects is for you if you are a security, network, or system administrator interested in taking on more complex responsibilities such as designing and implementing complex security structures. Basic understanding of network and computer security implementation will be helpful. This book is also ideal for non-security architects who want to understand how to integrate security into their solutions.

It's All Analytics! The Foundations of AI, Big Data and Data Science Landscape for Professionals in Healthcare, Business, and Government (978-0-367-35968-3, 325690) Professionals are challenged each day by a changing landscape of technology and terminology. In recent history, especially in the last 25 years, there has been an explosion of terms and methods that automate and improve decision-making and operations. One term, "analytics," is an overarching description of a compilation of methodologies. But AI (artificial intelligence), statistics, decision science, and optimization, which have been around for decades, have resurged. Also, things like business intelligence, online analytical processing (OLAP) and many, many more have been born or reborn. How is someone to make sense of all this methodology and terminology? This book, the first in a series of three, provides a look at the foundations of artificial intelligence and analytics and why readers need an unbiased understanding of the subject. The authors include the basics such as algorithms, mental concepts, models, and paradigms in addition to the benefits of machine learning. The book also includes a chapter on data and the various forms of data. The authors wrap up this book with a look at the next frontiers such as applications and designing your environment for success, which segue into the topics of the next two books in the series.

For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce.

Attacks and Defenses

From Planning to Implementation

Security and Privacy Applications for Smart City Development

The Art of Memory Forensics

The Theory and Practice of Security

Department of Defense Appropriations for 1998: Army Acquisitions Program

There are more than one billion Android devices in use today, each one a potential target. Unfortunately, many fundamental Android security features have been little more than a black box to all but the most elite security professionals—until now. In Android Security Internals, top Android security expert Nikolay Etenkov takes us under the hood of the Android security system. Etenkov describes Android security architecture from the bottom up, delving into the implementation of major security-related components and subsystems, like Binder IPC, permissions, cryptographic providers, and device administration. You'll learn: –How Android permissions are declared, used, and enforced –How Android manages application packages and employs code signing to verify their authenticity –How Android implements the Java Cryptography Architecture (JCA) and Java Secure Socket Extension (JSSE) frameworks –About Android's credential storage system and APIs, which let applications store cryptographic keys securely –About the online account management framework and how Google accounts integrate with Android –About the implementation of verified boot, disk encryption, lockscreen, and other device security features –How Android's bootloader and recovery OS are used to perform full system updates, and how to obtain root access With its unprecedented level of depth and detail, Android Security Internals is a must-have for any security-minded Android developer.

Memory forensics provides cutting edge technology to help investigate digital attacks Memory forensics is the art of analyzing computer memory (RAM) to solve digital crimes. As a follow-up to the best seller Malware Analyst's Cookbook, experts in the fields of malware, security, and digital forensics bring you a step-by-step guide to memory forensics—now the most sought after skill in the digital forensics and incident response fields. Beginning with introductory concepts and moving toward the advanced, The Art of Memory Forensics: Detecting Malware and Threats in Windows, Linux, and Mac Memory is based on a five day training course that the authors have presented to hundreds of students. It is the only book on the market that focuses exclusively on memory forensics and how to deploy such techniques properly. Discover memory forensics techniques: How volatile memory analysis improves digital investigations Proper investigative steps for detecting stealth malware and advanced threats How to use free, open source tools for conducting thorough memory forensics Ways to acquire memory from suspect systems in a forensically sound manner The next era of malware and security breaches are more sophisticated and targeted, and the volatile memory of a computer is often overlooked or destroyed as part of the incident response process. The Art of Memory Forensics explains the latest technological innovations in digital forensics to help bridge this gap. It covers the most popular and recently released versions of Windows, Linux, and Mac, including both the 32 and 64-bit editions.

An indispensable guide to the newest version of the Google Certified Professional Cloud Architect certification The newly revised Second Edition of the Google Cloud Certified Professional Cloud Architect Study Guide delivers a proven and effective roadmap to success on the latest Professional Cloud Architect accreditation exam from Google. You'll learn the skills you need to excel on the test and in the field, with coverage of every exam objective and competency, including focus areas of the latest exam such as Kubernetes, Anthos, and multi-cloud architectures. The book explores the design, analysis, development, operations, and migration components of the job, with intuitively organized lessons that align with the real-world job responsibilities of a Google Cloud professional and with the PCA exam topics. Architects need more than the ability to recall facts about cloud services, they need to be able to reason about design decisions. This study guide is unique in how it helps you learn to think like an architect: understand requirements, assess constraints, choose appropriate architecture patterns, and consider the operational characteristics of the systems you design. Review questions and practice exams use scenario-based questions like those on the certification exam to build the test taking skills you will need. In addition to comprehensive material on compute resources, storage systems, networks, security, legal and regulatory compliance, reliability design, technical and business processes, and more, you'll get: The chance to begin or advance your career as an in-demand Google Cloud IT professional Invaluable opportunities to develop and practice the skills you'll need as a Google Cloud Architect Access to the Sybex online learning center, with chapter review questions, full-length practice exams, hundreds of electronic flashcards, and a glossary of key terms The ideal resource for anyone preparing for the Professional Cloud Architect certification from Google, Google Cloud Certified Professional Cloud Architect Study Guide, 2nd Edition is also a must-read resource for aspiring and practicing cloud professionals seeking to expand or improve their technical skillset and improve their effectiveness in the field.

Data collection allows today's businesses to cater to each customer's individual needs and provides a necessary edge in a competitive market. However, any breach in confidentiality can cause serious consequences for both the consumer and the company. The Handbook of Research on Emerging Developments in Data Privacy brings together new ideas on how to deal with potential leaks of valuable customer information.

Highlighting the legal aspects of identity protection, trust and security, and detection techniques, this comprehensive work is a valuable resource for any business, legal, or technology professional looking to improve information security within their organization.

TypeScript Microservices

The Building News and Engineering Journal

Hands-On Cybersecurity for Architects

Department of Defense Appropriations for 1998

JFQ.

Hearings Before a Subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Fifth Congress, First Session

Technology's influence on privacy not only concerns consumers, political leaders, and advocacy groups, but also the software architects who design new products. In this practical guide, experts in data analytics, software engineering, security, and privacy policy describe how software teams can make privacy-protective features a core part of product functionality, rather than add them late in the development process. Ideal for software engineers new to privacy, this book helps you examine privacy-protective information management architectures and their foundational components—building blocks that you can combine in many ways. Policymakers, academics, students, and advocates unfamiliar with the technical terrain will learn how these tools can help drive policies to maximize privacy protection. Restrict access to data through a variety of application-level controls Use security architectures to avoid creating a single point of trust in your systems Explore federated architectures that let users retrieve an data without compromising data security Maintain and analyze audit logs as part of comprehensive system oversight Examine case studies to learn how these building blocks help solve real problems Understand the role and responsibilities of a Privacy Engineer for maintaining your privacy architecture

Originally released in 1996, Netcat is a networking program designed to read and write data across both Transmission Control Protocol (UDP) connections using the TCP/Internet Protocol (IP) protocol suite. Netcat is often referred to as a "Swiss Army knife" utility, and for good reason. Just like the multi-function usefulness of the venerable Swiss Army pocket knife, Netcat's functionality is helpful as both a standalone program and a backe-end tool in a wide range of applications. Some of the many uses of Netcat include port scanning, transferring files, grabbing banners, port listening and redirection, and more nefariously, a backdoor. This

the only book dedicated to comprehensive coverage of the tool's many features, and by the end of this book, you'll discover how Netcat can be one of the most valuable tools in your arsenal. * Get Up and Running with Netcat Simple yet powerful...Don't let the trouble-free installation and the easy command line belie the fact that Netcat is indeed a potent and powerful program. * Go PenTesting with Netcat Master Netcat's port scanning and service identification capabilities as well as obtaining Web server application information. Test and verify outbound firewall rules and avoid detection by using antivirus software and the Window Firewall. Also, create a backdoor using Netcat. * Conduct Enumeration and Scanning with Netcat, Nmap, and More! Netcat's not the only game in town...Learn the process of network of enumeration and scanning, and see how Netcat along with other tools such as Nmap and Scanrand can be used to thoroughly identify all of the assets on your network. * Banner Grabbing with Netcat Banner grabbing is a simple yet highly effective method of gathering information about a remote target, and can be performed with relative ease with the Netcat utility. * Explore the Dark Side of Netcat See the various ways Netcat has been used to provide malicious, unauthorized access to their targets. By walking through these methods used to gain unauthorized access to a system, you can learn how to prevent unauthorized access to your system. * Transfer Files Using Netcat The flexibility and simple operation allows Netcat to fill a niche when it comes to moving a file or files in a quick and easy fashion. Encryption is provided via several different avenues including integrated support on some of the more modern Netcat variants, tunneling via third-party tools, or operating system integrated IPsec policies. * Troubleshoot Your Network with Netcat Examine remote systems using Netcat's scanning ability. Test open ports to see if they really are active and see what protocols are on those ports. Communicate with different applications to determine what problems might exist, and gain insight into how to solve these problems. * Sniff Traffic within a System Use Netcat as a sniffer within a system to collect incoming and outgoing data. Set up Netcat to listen at ports higher than 1023 (the well-known ports), so you can use Netcat even as a normal user. * Comprehensive introduction to the #4 most popular open source security tool available * Tips and tricks on the legitimate uses of Netcat * Detailed information on its nefarious purposes * Demystifies some of the issues surrounding Netcat * Case studies featuring dozens of ways to use Netcat in daily tasks

For undergraduate/graduate-level Data Mining or Data Warehousing courses in Information Systems or Operations Management Departments electives. Taking a multidisciplinary user/manager approach, this text looks at data warehousing technologies necessary to support the business processes of the twenty-first century. Using a balanced, professional and conversational approach, it explores the basic concepts of data mining, warehousing, and visualization with an emphasis on both technical and managerial issues and the implication of these modern emerging technologies on those issues. Data mining and visualization exercises using an included fully-enabled, but time-limited version of Megaputer's PolyAnalyst and TextAnalyst data mining and visualization software give students hands-on experience with real-world applications.

Uncover hidden patterns of data and respond with countermeasures Security professionals need all the tools at their disposal to increase their visibility in order to prevent security breaches and attacks. This careful guide explores two of the most powerful data analysis and visualization. You'll soon understand how to harness and wield data. From collection and storage to management and analysis as well as visualization and presentation. Using a hands-on approach with real-world examples, this book shows you how to gather feedback, measure the effectiveness of your security methods, and make better decisions. Everything in this book will have practical application for information security professionals. Helps IT and security professionals understand and use data, so they can thwart attacks and understand and visualize vulnerabilities in their networks. Includes more than a dozen real-world examples and hands-on exercises that demonstrate how to analyze security data and intelligence and translate that information into visualizations that make plain how to prevent attacks. Covers topics such as how to acquire and prepare security data, use simple statistical methods to detect malware, predict rogue behavior, correlate security events, and more. Written by a team of well-known experts in the field of security and data analysis. Lock down your networks, prevent hacks, and thwart malware by improving visibility into the environment, all through the power of data and Security Using Data Analysis, Visualization, and Dashboards.

Human Dimension & Interior Space
Software Architecture in Practice

Extending Educational Reform

An In-Depth Guide to Android's Security Architecture

U.S. Security Policy in Latin America and the Andean Region

Android Security: Attacks and Defenses is for anyone interested in learning about the strengths and weaknesses of the Android platform from a security perspective. Starting with an introduction to Android OS architecture and application programming, it will help readers get up to speed on the basics of the Android platform and its security issues.

The home is one of our most enduring human paradoxes and is brought to light tellingly in science-fiction (SF) writing and film. However, while similarities and crossovers between architecture and SF have proliferated throughout the past century, the home is often overshadowed by the spectacle of 'otherness'. The study of the familiar (home) within the alien (SF) creates a unique cultural lens through which to reflect on our current architectural condition. SF has always been linked with alienation; however, the conditions of such alienation, and hence notions of home, have evidently changed. There is often a perceived comprehension of the familiar that atrophies the inquisitive and interpretive processes commonly activated when confronting the unfamiliar. Thus, by utilizing the estranging qualities of SF to look at a concept inherently linked to its perceived opposite - the home - a unique critical analysis with particular relevance for contemporary architecture is made possible.

Cyber Security R and D: The Architecture of Privacy on Engineering Technologies that Can Deliver Trustworthy Safeguards O'Reilly Media, Inc."

Build robust microservice-based applications that are distributed, fault tolerant, and always available Key Features Learn to build message-driven services for effective communication Design microservices API using Reactive programming design patterns Deploy, scale and monitor microservices for consistent high performance Book Description In the last few years or so, microservices have achieved the rock star status and right now are one of the most tangible solutions in enterprises to make quick, effective, and scalable applications. The apparent rise of Typescript and long evolution from ES5 to ES6 has seen lots of big companies move to ES6 stack. If you want to learn how to leverage the power of microservices to build robust architecture using reactive programming and Typescript in Node.js, then this book is for you. Typescript Microservices is an end-to-end guide that shows you the implementation of microservices from scratch; right from starting the project to hardening and securing your services. We will begin with a brief introduction to microservices before learning to break your monolith applications into microservices. From here, you will learn reactive programming patterns and how to build APIs for microservices. The next set of topics will take you through the microservice architecture with TypeScript and communication between services. Further, you will learn to test and deploy your TypeScript microservices using the latest tools and implement continuous integration. Finally, you will learn to secure and harden your microservice. By the end of the book, you will be able to build production-ready, scalable, and maintainable microservices using Node.js and Typescript. What you will learn Get acquainted with the fundamentals behind microservices. Explore the behavioral changes needed for moving from monolithic to microservices. Dive into reactive programming, Typescript and Node.js to learn its fundamentals in microservices. Understand and design a service gateway and service registry for your microservices. Maintain the state of microservice and handle dependencies. Perfect your microservice with unit testing and Integration testing Develop a microservice, secure it, deploy it, and then scale it Who this book is for This book is for JavaScript developers seeking to utilize their Node.js and Typescript skills to build microservices and move away from the monolithic architecture. Prior knowledge of TypeScript and Node.js is assumed.

Android Security Internals

The Architecture of Privacy

From One School to Many

Android Security

Azure Serverless Computing Cookbook

Handbook of Research on Emerging Developments in Data Privacy

Over 50 recipes to help you build applications hosted on Serverless architecture using Azure Functions. About This Book Enhance Azure Functions with continuous deployment using Visual Studio Team Services Learn to deploy and manage cost-effective and highly available serverless applications using Azure Functions This recipe-based guide will teach you to build a robust serverless environment Who This Book Is For If you are a Cloud administrator, architect, or developer who wants to build scalable systems and deploy serverless applications with Azure functions, then this book is for you. Prior knowledge and hands-on experience with core services of Microsoft Azure is required. What You Will Learn Develop different event-based handlers supported by serverless architecture supported by Microsoft Cloud Platform – Azure Integrate Azure Functions with different Azure Services to develop Enterprise-level applications Get to know the best practices in organizing and refactoring the code within the Azure functions Test, troubleshoot, and monitor the Azure functions to deliver high-quality, reliable, and robust cloud-centric applications Automate mundane tasks at various levels right from development to deployment and maintenance Learn how to develop stateful serverless applications and also self-healing jobs using DurableFunctions In Detail Microsoft provides a solution to easily run small segment of code in the Cloud with Azure Functions. Azure Functions provides solutions for processing data, integrating systems, and building simple APIs and microservices. The book starts with intermediate-level recipes on serverless computing along with some use cases on benefits and key features of Azure Functions. Then, we'll deep dive into the core aspects of Azure Functions such as the services it provides, how you can develop and write Azure functions, and how to monitor and troubleshoot them. Moving on, you'll get practical recipes on integrating DevOps with Azure functions, and providing continuous integration and continuous deployment with Visual Studio Team Services. It also provides hands-on steps and tutorials based on real-world serverless use cases, to guide you through configuring and setting up your serverless environments with ease. Finally, you'll see how to manage Azure functions, providing enterprise-level security and compliance to your serverless code architecture. By the end of this book, you will have all the skills required to work with serverless code architecture, providing continuous delivery to your users. Style and approach This recipe-based guide explains the different features of Azure Function by taking a real-world application related to a specific domain. You will learn how to implement automation and DevOps and discover industry best practices to develop applications hosted on serverless architecture using Azure functions.

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Security Science integrates the multi-disciplined practice areas of security into a single structured body of knowledge, where each chapter takes an evidence-based approach to one of the core knowledge categories. The authors give practitioners and students the underlying scientific perspective based on robust underlying theories, principles, models or frameworks. Demonstrating the relationships and underlying concepts, they present an approach to each core security function within the context of both organizational security and homeland security. The book is unique in its application of the scientific method to the increasingly challenging tasks of preventing crime and foiling terrorist attacks. Incorporating the latest security theories and principles, it considers security from both a national and corporate perspective, applied at a strategic and tactical level. It provides a rational basis for complex decisions and begins the process of defining the emerging discipline of security science. A fresh and provocative approach to the key facets of security Presentation of theories and models for a reasoned approach to decision making Strategic and tactical support for corporate leaders handling security challenges Methodologies for protecting national assets in government and private sectors Exploration of security's emerging body of knowledge across domains

This report provides an analysis of both the current and forecasted energy supply and demand balances that will accompany ASEAN's growth in the next two decades, and the various implications that will arise due to the supply-demand shift. Contemporary energy issues, such as renewable energy, nuclear energy and climate change, will be evaluated. Policy recommendations to counter national and regional energy challenges will also be discussed.

Bulletin of the Atomic Scientists

Cyber Security R and D

Analysis, Visualization and Dashboards

Google Cloud Certified Professional Cloud Architect Study Guide

It's All Analytics!

Architecture, Media, Populism... and Violence

A Comprehensive Process for Defining Software Architectures That Work A good software architecture is the foundation of any successful software system. Effective architecting requires a clear understanding of organizational roles, artifacts, activities performed, and the optimal sequence for performing those activities. With *The Process of Software Architecting*, Peter Eeles and Peter Cripps provide guidance on these challenges by covering all aspects of architecting a software system, introducing best-practice techniques that apply in every environment, whether based on Java EE, Microsoft .NET, or other technologies. Eeles and Cripps first illuminate concepts related to software architecture, including architecture documentation and reusable assets. Next, they present an accessible, task-focused guided tour through a typical project, focusing on the architect's role, with common issues illuminated and addressed throughout. Finally, they conclude with a set of best practices that can be applied to today's most complex systems. You will come away from this book understanding The role of the architect in a typical software development project How to document a software architecture to satisfy the needs of different stakeholders The applicability of reusable assets in the process of architecting The role of the architect with respect to requirements definition The derivation of an architecture based on a set of requirements The relevance of architecting in creating complex systems The Process of Software Architecting will be an indispensable resource for every working and aspiring software architect—and for every project manager and other software professional who needs to understand how architecture influences their work.

Mastering the Language of Buildings and Cities

ASEAN's Energy Architecture. An In-Depth Analysis and Forecast on ASEAN's Energy Supply and Demand Balances

Security Science

Detecting Malware and Threats in Windows, Linux, and Mac Memory

Computerworld

The Foundations of AI, Big Data and Data Science Landscape for Professionals in Healthcare, Business, and Government