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SHELDON JUAREZ

Services Computing – SCC 2019 Elsevier
Cyber Risk Leaders: Global C-Suite Insights - Leadership and Influence in the Cyber Age', by Shamane Tan - explores the art of communicating with executives, tips on navigating through corporate challenges, and reveals what the C-Suite looks for in professional partners. For those who are interested in learning from top industry leaders, or an aspiring or current CISO, this book is gold for your career. It's the go-to book and your CISO kit for the season.
Securing the Cloud IGI Global
Cloud computing is an indispensable part of the modern Information and Communication Technology (ICT) systems. Cloud computing services have proven to be of significant importance, and promote quickly deployable and scalable IT solutions with reduced infrastructure costs. However, utilization of cloud also raises concerns such as security, privacy, latency, and governance, that keep it from turning into the predominant option for critical frameworks. As such, there is an urgent need to identify these concerns and to address them. Cloud Security: Concepts, Applications and Perspectives is a comprehensive work with substantial technical details for introducing the state-of-the-art research and development on various approaches for security and privacy of cloud services; novel attacks on cloud services; cloud forensics; novel defenses for cloud service attacks; and

cloud security analysis. It discusses the present techniques and methodologies, and provides a wide range of examples and illustrations to effectively show the concepts, applications, and perspectives of security in cloud computing. This highly informative book will prepare readers to exercise better protection by understanding the motivation of attackers and to deal with them to mitigate the situation. In addition, it covers future research directions in the domain. This book is suitable for professionals in the field, researchers, students who are want to carry out research in the field of computer and cloud security, faculty members across universities, and software developers engaged in software development in the field.

Security and Privacy Trends in Cloud Computing and Big Data CRC Press

"This book provides a theoretical and academic description of Cloud security issues, methods, tools and trends for developing secure software for Cloud services and applications"--Provided by publisher.

Cloud Security Springer Nature

This book provides readers with an overview of Cloud Computing, starting with historical background on mainframe computers and early networking protocols, leading to current concerns such as hardware and systems security, performance, emerging areas of IoT, Edge Computing etc. Readers will benefit from the in-depth discussion of cloud computing usage and the underlying architectures. The authors explain carefully the “why’s and how’s” of Cloud Computing, so engineers will find this book an invaluable source of information to the topic. This second edition includes new material on Cloud Computing Security, Threat Vectors and Trust Models, as well as best practices for a using dynamic cloud infrastructure, and cloud operations management. Several new examples and analysis of cloud security have been added, including edge computing with IoT devices.

Cloud Security Apress

It is essential for an organization to know before involving themselves in cloud computing and big data, what are the key security requirements for applications and data processing. Big data and cloud computing are integrated together in practice. Cloud computing offers massive storage, high computation power, and distributed capability to support processing of big data. In such an integrated environment the security and privacy concerns involved in both technologies become combined. This book discusses these security and privacy issues in detail and provides necessary insights into cloud computing and big data integration. It will be useful in enhancing the body of knowledge concerning innovative technologies offered by the research community in the area of cloud computing and big data. Readers can get a better understanding of the basics of cloud computing, big data, and security mitigation techniques to deal with current challenges as well as future research opportunities.

Modern Principles, Practices, and Algorithms for Cloud Security CRC Press

In the dynamic field of modern business, where cloud computing has become the primary focus of operations, a pressing issue arises the persistent concerns of security, privacy, and trust in cloud environments. Organizations find themselves at a crossroads, caught between the immense benefits of cloud adoption and the escalating challenges of safeguarding sensitive

data and maintaining user trust. The need for a comprehensive and practical guide to navigate these intricate landscapes has never been more critical. Analyzing and Mitigating Security Risks in Cloud Computing is a groundbreaking guidebook tailored to address the very challenges that organizations face in securing their cloud infrastructures. With a focus on real-world examples, case studies, and industry best practices, the book equips its readers with actionable insights and tools to fortify their cloud security posture. From understanding the fundamentals of cloud computing to addressing emerging trends and implementing robust security strategies, the book serves as a holistic solution to bridge the knowledge gap and empower professionals at every level.

Security and Risk Analysis for Intelligent Cloud Computing Yale University Press

His job's at stake, but she may prove to be an even bigger technical threat to his heart.Tarron has met his match with a ruthless cyberhacker who has a personal vendetta against the Raglan. When she breeches Westin Force's security Tarron must move in to stop her. That proves easier said than done when his Nonna steps up to help and meddle in his love life.Meeting his true mate was not supposed to be part of the mission. But then again, having Nonna tag along wasn't exactly how he envisioned his first solo assignment either.Susan Duncan had finally broken away from the miserable life she led. She had been happy away at college, but then her younger sister Sonnet disappeared. Susan dropped everything and gave up her life to support her mother and two remaining sisters. But she never stopped looking for Sonnet.Four years passed as Susan worked tirelessly each day under the strict demands of her mother then stayed up each night searching every lead possible to find Sonnet.Her reality wasn't a pretty one. Her days of believing in fairytales and true mates were long past when suddenly her mysterious true mate appears and promises to rescue not just her, but her sisters as well.Can this Cinderella break down her own stone walls to accept the help of her potential Prince Charming? Or will is she be doomed to live in the dungeons of her mother's warped reality forever?

International Journal of Information Technology and Web Engineering (IJITWE). CreateSpace

March 2017 If you like this book (or the Kindle version), please leave positive review. This document provides the Cybersecurity Framework implementation details developed for the manufacturing environment. The "Manufacturing Profile" of the Cybersecurity Framework can be used as a roadmap for reducing cybersecurity risk for manufacturers that is aligned with manufacturing sector goals and industry best practices. The Profile gives manufacturers:* A method to identify opportunities for improving the current cybersecurity posture of the manufacturing system* An evaluation of their ability to operate the control environment at their acceptable risk level* A standardized approach to preparing the cybersecurity plan for ongoing assurance of the manufacturing system's security Why buy a book you can download for free? First you gotta find it and make sure it's the latest version (not always easy). Then you gotta print it using a network printer you share with 100 other people - and its outta paper - and the toner is low (take out the toner cartridge, shake it, then put it back). If it's just 10 pages, no

problem, but if it's a 250-page book, you will need to punch 3 holes in all those pages and put it in a 3-ring binder. Takes at least an hour. An engineer that's paid $75 an hour has to do this himself (who has assistant's anymore?). If you are paid more than $10 an hour and use an ink jet printer, buying this book will save you money. It's much more cost-effective to just order the latest version from Amazon.com This book is published by 4th Watch Books and includes copyright material. We publish compact, tightly-bound, full-size books (8 x 11 inches), with glossy covers. 4th Watch Books is a Service Disabled Veteran-Owned Small Business (SDVOSB), and is not affiliated with the National Institute of Standards and Technology. For more titles published by 4th Watch Books, please visit: cybah.webplus.net A full copy of all the pertinent cybersecurity standards is available on DVD-ROM in the CyberSecurity Standards Library disc which is available at Amazon.com. NIST SP 500-299 NIST Cloud Computing Security Reference Architecture NIST SP 500-291 NIST Cloud Computing Standards Roadmap Version 2 NIST SP 500-293 US Government Cloud Computing Technology Roadmap Volume 1 & 2 NIST SP 500-293 US Government Cloud Computing Technology Roadmap Volume 3 DRAFT NIST SP 1800-8 Securing Wireless Infusion Pumps NISTIR 7497 Security Architecture Design Process for Health Information Exchanges (HIEs) NIST SP 800-66 Implementing the Health Insurance Portability and Accountability Act (HIPAA) Security Rule NIST SP 1800-1 Securing Electronic Health Records on Mobile Devices NIST SP 800-177 Trustworthy Email NIST SP 800-184 Guide for Cybersecurity Event Recovery NIST SP 800-190 Application Container Security Guide NIST SP 800-193 Platform Firmware Resiliency Guidelines NIST SP 1800-1 Securing Electronic Health Records on Mobile Devices NIST SP 1800-2 Identity and Access Management for Electric Utilities NIST SP 1800-5 IT Asset Management: Financial Services NIST SP 1800-6 Domain Name Systems-Based Electronic Mail Security NIST SP 1800-7 Situational Awareness for Electric Utilities

The Metrics Manifesto IGI Global

Cloud computing has gained paramount attention and most of the companies are adopting this new paradigm and gaining significant benefits. As number of applications and business operations are being facilitated by the cloud computing paradigm, it has become the potential target to attackers. The importance of well-organized architecture and security roles have become greater with the growing popularity. Cloud Security: Attacks, Techniques, Tools, and Challenges, provides an in-depth technical description about various key essential aspects of cloud security. We have endeavored to provide a technical foundation that will be practically useful not just for students and independent researchers but also for professional cloud security analysts for conducting security procedures, and all those who are curious in the field of cloud security The book offers comprehensive coverage of the most essential topics, including: Basic fundamentals of Cloud Computing Cloud security concepts, vulnerabilities, security standards and reference models Cloud security goals, key issues and privacy requirements Threat model, detailed taxonomy of cloud attacks, Attack feature analysis – case study A detailed taxonomy of IDS techniques and Cloud Intrusion Detection Systems (IDS) Attack and security tools, LibVMI – case study Advanced approaches: Virtual Machine Introspection (VMI) and Hypervisor Introspection (HVI) Container

security: threat model, attacks and defense systems This book is intended for both academic and professional audience. It could also be used as a textbook, for a semester course at undergraduate and post graduate level in Computer Science, Information Technology, Information Security, and Information Science & Management. The book serves as basic reference volume for researchers in cloud security. It will be useful to practitioners, cloud security team, and the cloud security auditor as well. To get the most out of this book, the reader should have a working knowledge of various operating system environments, hypervisors, cloud computing fundamentals, programming languages like Python and a working knowledge of security tools.
Security Engineering for Cloud Computing: Approaches and Tools Springer
This reference text discusses various security techniques and challenges for cloud data protection from both software and hardware aspects. The text provides readers with an overview of cloud computing, beginning with historical perspectives on mainframe computers and early networking protocols, moving to current issues such as security of hardware and networks, performance, evolving IoT areas, edge computing, etc. It also deals with threat detection and incident response in cloud security. It covers important topics including operational security agitations in cloud computing, cyber artificial intelligence (AI) platform for cloud security, and security concerns of virtualization in cloud computing. The book will serve as a useful resource for graduate students and professionals in the fields of electrical engineering, electronics engineering, computer science, and information technology.

Technical Threat CRC Press
This volume constitutes the proceedings of the 16th International Conference on Services Computing 2019, held as Part of SCF 2019 in San Diego, CA, USA in June 2019. The 9 full papers presented in this volume were carefully reviewed and selected from 15 submissions. They cover topics such as: foundations of services computing; scientific workflows; business process integration and management; microservices; modeling of services systems; service security and privacy; SOA service applications; and service lifecycle management.
Cloud Security IGI Global
A compelling argument that the Internet of things threatens human rights and security "Sobering and important."--Financial Times, "Best Books of 2020: Technology" The Internet has leapt from human-facing display screens into the material objects all around us. In this so-called Internet of things--connecting everything from cars to cardiac monitors to home appliances--there is no longer a meaningful distinction between physical and virtual worlds. Everything is connected. The social and economic benefits are tremendous, but there is a downside: an outage in cyberspace can result not only in loss of communication but also potentially in loss of life. Control of this infrastructure has become a proxy for political power, since countries can easily reach across borders to disrupt real-world systems. Laura DeNardis argues that the diffusion of the Internet into the physical world radically escalates governance concerns around privacy, discrimination, human safety, democracy, and national security, and she offers new cyber-policy solutions. In her discussion, she makes visible the sinews of power already embedded in our

technology and explores how hidden technical governance arrangements will become the constitution of our future.
Cloud Security Auditing Bloomsbury Publishing
This book provides solutions for securing important data stored in something as nebulous sounding as a cloud. A primer on the concepts behind security and the cloud, it explains where and how to store data and what should be avoided at all costs. It presents the views and insight of the leading experts on the state of cloud computing security and its future. It also provides no-nonsense info on cloud security technologies and models.
Securing the Cloud: Security Strategies for the Ubiquitous Data Centertakes the position that cloud security is an extension of recognized, established security principles into cloud-based deployments. It explores how those principles can be put into practice to protect cloud-based infrastructure and data, traditional infrastructure, and hybrid architectures combining cloud and on-premises infrastructure. Cloud computing is evolving so rapidly that regulations and technology have not necessarily been able to keep pace. IT professionals are frequently left to force fit pre-existing solutions onto new infrastructure and architectures for which they may be very poor fits. This book looks at how those "square peg/round hole" solutions are implemented and explains ways in which the pegs, the holes, or both may be adjusted for a more perfect fit. keep pace. IT professionals are frequently left to force fit pre-existing solutions onto new infrastructure and architectures for which they may be very poor fits. This book looks at how those "square peg/round hole" solutions are implemented and explains ways in which the pegs, the holes, or both may be adjusted for a more perfect fit.
Cybersecurity Framework Manufacturing Profile Packt Publishing Ltd
* Covers the A-to-Z of Axapta in 300 pages * Author is the world’s leading Axapta expert * Provides essential guidance to a fast-growing community currently deprived of suitable documentation and training
The Internet in Everything CRC Press
Even with over $100 billion spent each year on security, attackers break in. They stay hidden and steal data or disrupt with ransomware. Can anything be done to stop the hack?The answer is yes. Intensive reviews of the world's largest hacks uncovered the secret: detect attackers' signals early. This book reveals what those signals are and shows how to detect them. In this game-changing book by Sai Huda, a globally recognized risk and cybersecurity expert, you will: Discover the top 15 signals of cyber attackers' behavior and activity; Find out how these signals can detect the attackers; Discover how these signals were missed and could have detected the attackers in the theft of 3 billion user accounts and in seven other world's largest hacks; Learn how the cloud and Internet of Things (IoT) are danger zones and what are the signals to look for; Find out how to implement the signals in seven steps.With this method you will detect the attackers early, stop the hack and prevent damage. Everyone is at risk. This book will help you take it to the next level so you can stay one step ahead. It is a must-read. Cybersecurity is everyone's business.Grab your copy now to take your cybersecurity to the next level!
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Securing the Cloud is the first book that helps you secure your information while taking part in the time and cost savings of cloud computing. As companies turn to burgeoning cloud computing technology to streamline and save money, security is a fundamental concern. The cloud offers flexibility, adaptability, scalability, and in the case of security - resilience. Securing the Cloud explains how to make the move to the cloud, detailing the strengths and weaknesses of securing a company's information with different cloud approaches. It offers a clear and concise framework to secure a business' assets while making the most of this new technology. This book considers alternate approaches for securing a piece of the cloud, such as private vs. public clouds, SaaS vs. IaaS, and loss of control and lack of trust. It discusses the cloud's impact on security roles, highlighting security as a service, data backup, and disaster recovery. It also describes the benefits of moving to the cloud - solving for limited availability of space, power, and storage. This book will appeal to network and security IT staff and management responsible for design, implementation and management of IT structures from admins to CSOs, CTOs, CIOs and CISOs. Named The 2011 Best Identity Management Book by InfoSec Reviews Provides a sturdy and stable framework to secure your piece of the cloud, considering alternate approaches such as private vs. public clouds, SaaS vs. IaaS, and loss of control and lack of trust Discusses the cloud's impact on security roles, highlighting security as a service, data backup, and disaster recovery Details the benefits of moving to the cloud-solving for limited availability of space, power, and storage

Cloud Security and Privacy Springer Nature

Cloud computing is an emerging discipline that is changing the way corporate computing is and will be done in the future. Cloud computing is demonstrating its potential to transform the way IT-based services are delivered to organisations. There is little, if any, argument about the clear advantages of the cloud and its adoption can and will create substantial business benefits through reduced capital expenditure and increased business agility. However, there is one overwhelming question that is still hindering the adaption of the cloud: Is cloud computing secure? The most simple answer could be ‘Yes’, if one approaches the cloud in the right way with the correct checks and balances to ensure all necessary security and risk management measures are covered as the consequences of getting your cloud security strategy wrong could be more serious and may severely damage the reputation of organisations.

Cloud Computing with Security Springer

This book is about the latest developments in AI, Blockchain, ML/DL in cloud security, strategies for assessing the privacy of cloud infrastructure and secure them against data breaches. The chapters are designed with a granular framework, starting with security concepts, followed by hand-on assessment techniques based on real world studies

PCC Reports Syngress

Strengthen your security posture in all aspects of CSPM technology, from security infrastructure design to implementation strategies, automation, and remedial actions using operational best practices across your cloud environment Key Features Choose the right CSPM tool to rectify cloud security misconfigurations based on organizational requirements Optimize

your security posture with expert techniques for in-depth cloud security insights Improve your security compliance score by adopting a secure-by-design approach and implementing security automation Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionThis book will help you secure your cloud infrastructure confidently with cloud security posture management (CSPM) through expert guidance that'll enable you to implement CSPM effectively, ensuring an optimal security posture across multi-cloud infrastructures. The book begins by unraveling the fundamentals of cloud security, debunking myths about the shared responsibility model, and introducing key concepts such as defense-in-depth, the Zero Trust model, and compliance. Next, you'll explore CSPM's core components, tools, selection criteria, deployment strategies, and environment settings, which will be followed by chapters on onboarding cloud accounts, dashboard customization, cloud assets inventory, configuration risks, and cyber threat hunting. As you progress, you'll get to grips with operational practices, vulnerability and patch management, compliance benchmarks, and security alerts. You'll also gain insights into cloud workload protection platforms (CWPPs). The concluding chapters focus on Infrastructure as Code (IaC) scanning, DevSecOps, and workflow automation, providing a thorough understanding of securing multi-cloud environments. By the end of this book, you'll have honed the skills to make informed decisions and contribute effectively at every level, from strategic planning to day-to-day operations.What you will learn Find out how to deploy and onboard cloud accounts using CSPM tools Understand security posture aspects such as the dashboard, asset inventory, and risks Explore the Kusto Query Language (KQL) and write threat hunting queries Explore security recommendations and operational best practices Get to grips with vulnerability, patch, and compliance management, and governance Familiarize yourself with security alerts, monitoring, and workload protection best practices Manage IaC scan policies and learn how to handle exceptions Who this book is for If you're a cloud security administrator, security engineer, or DevSecOps engineer, you'll find this book useful every step of the way—from proof of concept to the secured, automated implementation of CSPM with proper auto-remediation configuration. This book will also help cybersecurity managers, security leads, and cloud security architects looking to explore the decision matrix and key requirements for choosing the right product. Cloud security enthusiasts who want to enhance their knowledge to bolster the security posture of multi-cloud infrastructure will also benefit from this book.

Practical Cloud Security O'Reilly Media

This book provides a comprehensive review of the most up to date research related to cloud security auditing and discusses auditing the cloud infrastructure from the structural point of view, while focusing on virtualization-related security properties and consistency between multiple control layers. It presents an off-line automated framework for auditing consistent isolation between virtual networks in OpenStack-managed cloud spanning over overlay and layer 2 by considering both cloud layers' views. A runtime security auditing framework for the cloud with special focus on the user-level including common access control and authentication mechanisms e.g., RBAC, ABAC and SSO is covered as well. This book also discusses a learning-based proactive

security auditing system, which extracts probabilistic dependencies between runtime events and applies such dependencies to proactively audit and prevent security violations resulting from critical events. Finally, this book elaborates the design and implementation of a middleware as a pluggable interface to OpenStack for intercepting and verifying the legitimacy of user requests at runtime. Many companies nowadays leverage cloud services for conducting major business operations (e.g., Web service, inventory management, customer service, etc.). However, the fear of losing control and governance still persists due to the inherent lack of transparency and trust in clouds. The complex design and implementation of cloud infrastructures may cause numerous vulnerabilities and misconfigurations, while the unique properties of clouds (elastic, self-service, multi-tenancy) can bring novel security challenges. In this book, the authors discuss how state-of-the-art security auditing solutions may help increase cloud tenants' trust in the service providers by providing assurance on the compliance with the applicable laws, regulations, policies, and standards. This book introduces the latest research results on both traditional retroactive auditing and novel (runtime and proactive) auditing techniques to serve different stakeholders in the cloud. This book covers security threats from different cloud abstraction levels and discusses a wide-range of security properties related to cloud-specific standards (e.g., Cloud Control Matrix (CCM) and ISO 27017). It also elaborates on the integration of security auditing solutions into real world cloud management platforms (e.g., OpenStack, Amazon AWS and Google GCP). This book targets industrial scientists, who are working on cloud or security-related topics, as well as security practitioners, administrators, cloud providers and operators.Researchers and advanced-level students studying and working in computer science, practically in cloud security will also be interested in this book.