Cyber Information Security Awareness Training For The Uk

Cybersecurity is undoubtedly one of the fastest-growing fields. However, there is an acute shortage of skilled workforce. The cybersecurity beginners guide aims at teaching security enthusiasts all about organizational digital assets' security, give them an overview of how the field operates, applications of cybersecurity across sectors and industries, and skills and certifications one needs to build and scale up a career in this field.

Managing an Information Security and Privacy Awareness and Training Program provides a starting point and an all-in-one resource for infosec and privacy education practitioners who are building programs for their organizations. The author applies knowledge obtained through her work in education, creating a comprehensive resource of nearly everything involved with managing an infosec and privacy training course. This book includes examples and tools from a wide range of businesses, enabling readers to select effective components that will be beneficial to their enterprises. The text progresses from the inception of an education program through development, implementation, delivery, and evaluation.

Research suggests that between 60-75% of all information security incidents are the result of a lack of knowledge and/or understanding amongst an organization's own staff. And yet the great majority of money spent protecting systems is focused on creating technical defences against external threats. Angus McIlwraith's book explains how corporate culture affects perceptions of risk and information security, and how this in turn affects employee behaviour. He then provides a pragmatic approach for educating and training employees in information security and explains how different metrics can be used to assess awareness and behaviour. Information security awareness will always be an ongoing struggle against complacency, problems associated with new systems and technology, and the challenge of other more glamorous and often short term priorities. Information Security and Employee Behaviour will help you develop the capability and culture that will enable your organization to avoid or reduce the impact of unwanted security breaches.

The best defense against the increasing threat of social engineering attacks is Security Awareness Training to warn your organization's staff of the risk and educate them on how to protect your organization's data. Social engineering is not a new tactic, but Building an Security Awareness Program is the first book that shows you how to build a successful security awareness training program from the ground up. Building an Security Awareness Program provides you with a sound technical basis for developing a new training program. The book also tells you the best ways to garner management support for implementing the program. Author Bill Gardner is one of the founding members of the Security Awareness Training Framework. Here, he walks you through the process of developing an engaging and successful training program for your organization that will help you and your staff defend your systems, networks, mobile devices, and data. Forewords written by Dave Kennedy and Kevin Mitnick! The most practical guide to setting up a Security Awareness training program in your organization Real world examples show you how cyber criminals commit their crimes, and what you can do to keep you and your data safe Learn how to propose a new program to management, and what the benefits are to staff and your company Find out about various types of training, the best training cycle to use, metrics for success, and methods for building an engaging and successful program

Recipient of the SJSU San Jose State University Annual Author & Artist Awards 2019 In modern times, all individuals need to be knowledgeable about cybersecurity. They must have practical skills and abilities to protect themselves in cyberspace. What is the level of awareness among college students and faculty, who represent the most technologically active portion of the population in any society? According to the Federal Trade Commission's 2016 Consumer Sentinel Network report, 19 percent of identity theft complaints came from people under the age of 29. About 74,400 young adults fell victim to identity theft in 2016. This book reports the results of several studies that investigate student and faculty awareness and attitudes toward cybersecurity and the resulting risks. It proposes a plan of action that can help 26,000 higher education institutions worldwide with over 207 million college students, create security policies and educational programs that improve security awareness and protection. Features Offers an understanding of the state of privacy awareness Includes the state of identity theft awareness Covers mobile phone protection Discusses ransomware protection Discloses a plan of action to improve security awareness

Understand how to create a culture that promotes cyber security within the workplace. Using his own experiences, the author highlights the underlying cause for many successful and easily preventable attacks.

An essential anti-phishing desk reference for anyone with anemail address Phishing Dark Waters addresses the growing and continuingscourge of phishing emails, and provides actionable defensivetechniques and tools to help you steer clear of malicious emails.Phishing is analyzed from the viewpoint of human decision-makingand the impact of deliberate influence and manipulation on therecipient. With expert guidance, this book provides insight intothe financial, corporate espionage, nation state, and identitytheft goals of the attackers, and teaches you how to spot a spoofede-mail or cloned website. Included are detailed examples of highprofile breaches at Target, RSA, Coca Cola, and the AP, as well asan examination of sample scams including the Nigerian 419,financial themes, and post high-profile event attacks. Learn how toprotect yourself and your organization using anti-phishing tools,and how to create your own phish to use as part of a securityawareness program. Phishing is a social engineering technique through email thatdeceives users into taking an action that is not in their bestinterest, but usually with the goal of disclosing information orinstalling malware on the victim's computer. Phishing DarkWaters explains the phishing process and techniques, and thedefenses available to keep scammers at bay. Learn what a phish is, and the deceptive ways they've beenused Understand

decision-making, and the sneaky ways phishers reelyou in Recognize different types of phish, and know what to do whenyou catch one Use phishing as part of your security awareness program forheightened protection Attempts to deal with the growing number of phishing incidentsinclude legislation, user training, public awareness, and technicalsecurity, but phishing still exploits the natural way humansrespond to certain situations. Phishing Dark Waters is anindispensible guide to recognizing and blocking the phish, keepingyou, your organization, and your finances safe.

Learn to spot targeted email phishing, social engineering attacks, hacker tactics, and browser and mobile threats About This Video Get up to speed with vishing resources Understand what macro malware is Get up and running with smishing attacks and how they occur In Detail Do you want to get trained in cybersecurity awareness? This course is designed to teach you the basics of cybersecurity awareness, social engineering, and network security even if you have no IT and cybersecurity experience or knowledge. The course uses effective visuals, humor, examples, and storytelling to make your learning experience engaging, memorable, and effective. You'll learn how to configure a browser securely to block everything from malicious cookies to trackers. As you progress, you'll understand how to stop social engineering attacks effectively by identifying red flags in text messages, phishing emails, and more. Later, you'll explore cybersecurity software that helps you ensure the safety of your systems. By the end of this course, you'll be well-versed with cybersecurity and have the skills you need to prevent attacks and breaches.

Advanced Persistent Security covers secure network design and implementation, including authentication, authorization, data and access integrity, network monitoring, and risk assessment. Using such recent high profile cases as Target, Sony, and Home Depot, the book explores information security risks, identifies the common threats organizations face, and presents tactics on how to prioritize the right countermeasures. The book discusses concepts such as malignant versus malicious threats, adversary mentality, motivation, the economics of cybercrime, the criminal infrastructure, dark webs, and the criminals organizations currently face. Contains practical and cost-effective recommendations for proactive and reactive protective measures Teaches users how to establish a viable threat intelligence program Focuses on how social networks present a double-edged sword against security programs

A guide to putting cognitive diversity to work Ever wonder what it is that makes two people click or clash? Or why some groups excel while others fumble? Or how you, as a leader, can make or break team potential? Business Chemistry holds the answers. Based on extensive research and analytics, plus years of proven success in the field, the Business Chemistry framework provides a simple yet powerful way to identify meaningful differences between people’s working styles. Who seeks possibilities and who seeks stability? Who values challenge and who values connection? Business Chemistry will help you grasp where others are coming from, appreciate the value they bring, and determine what they need in order to excel. It offers practical ways to be more effective as an individual and as a leader. Imagine you had a more in-depth understanding of yourself and why you thrive in some work environments and flounder in others. Suppose you had a clearer view on what to do about it so that you could always perform at your best. Imagine you had more insight into what makes people tick and what ticks them off, how some interactions unlock potential while others shut people down. Suppose you could gain people’s trust, influence them, motivate them, and get the very most out of your work relationships. Imagine you knew how to create a work environment where all types of people excel, even if they have conflicting perspectives, preferences and needs. Suppose you could activate the potential benefits of diversity on your teams and in your organizations, improving collaboration to achieve the group’s collective potential. Business Chemistry offers all of this--you don’t have to leave it up to chance, and you shouldn’t. Let this book guide you in creating great chemistry!

With the immense amount of data that is now available online, security concerns have been an issue from the start, and have grown as new technologies are increasingly integrated in data collection, storage, and transmission. Online cyber threats, cyber terrorism, hacking, and other cybercrimes have begun to take advantage of this information that can be easily accessed if not properly handled. New privacy and security measures have been developed to address this cause for concern and have become an essential area of research within the past few years and into the foreseeable future. The ways in which data is secured and privatized should be discussed in terms of the technologies being used, the methods and models for security that have been developed, and the ways in which risks can be detected, analyzed, and mitigated. The Research Anthology on Privatizing and Securing Data reveals the latest tools and technologies for privatizing and securing data across different technologies and industries. It takes a deeper dive into both risk detection and mitigation, including an analysis of cybercrimes and cyber threats, along with a sharper focus on the technologies and methods being actively implemented and utilized to secure data online. Highlighted topics include information governance and privacy, cybersecurity, data protection, challenges in big data, security threats, and more. This book is essential for data analysts, cybersecurity professionals, data scientists, security analysts, IT specialists, practitioners, researchers, academicians, and students interested in the latest trends and technologies for privatizing and securing data.

With the continued progression of technologies such as mobile computing and the internet of things (IoT), cybersecurity has swiftly risen to a prominent field of global interest. This has led to cyberattacks and cybercrime becoming much more sophisticated to a point where cybersecurity can no longer be the exclusive responsibility of an organization’s information technology (IT) unit. Cyber warfare is becoming a national issue and causing various governments to reevaluate the current defense strategies they have in place.

Cyber Security Auditing, Assurance, and Awareness Through CSAM and CATRAM provides emerging research exploring the practical aspects of reassessing current cybersecurity measures within organizations and international governments and improving upon them using audit and awareness training models, specifically the Cybersecurity Audit Model (CSAM) and the Cybersecurity Awareness Training Model (CATRAM). The book presents multi-case studies on the development and validation of these models and frameworks and analyzes their implementation and ability to sustain and audit national cybersecurity strategies. Featuring coverage on a broad range of topics such as forensic analysis, digital evidence, and incident management, this book is ideally designed for researchers, developers, policymakers, government officials, strategists, security professionals, educators, security analysts, auditors, and students seeking current research on developing training models within cybersecurity management and awareness.

This book contains the Proceedings of the 21st IFIP TC-11 International Information Security Conference (IFIPISEC 2006) on "Security and Privacy in Dynamic Envir- ments" held in May 22-24 2006 in

Karlstad, Sweden. The first IFIPISEC conference was arranged in May 1983 in Stockholm, Sweden, one year before TC- 1 1 was founded, with the active participation of the Swedish IT Security Community. The IFIPISEC conferences have since then become the flagship events of TC-11. We are very pleased that we succeeded with our bid to after 23 years hold the IFIPISEC conference again in Sweden. The IT environment now includes novel, dynamic approaches such as mobility, wearability, ubiquity, ad hoc use, mindhody orientation, and businesslmarket ori- tation. This modem environment challenges the whole information security research community to focus on interdisciplinary and holistic approaches whilst retaining the benefit of previous research efforts. Papers offering research contributions focusing on dynamic environments in addition to other aspects of computer security and privacy were solicited for submission to IFIPISEC 2006. We received 141 submissions which were all reviewed by at least three members of the international program committee.

Everybody says be careful online, but what do they mean? Lacey is a cyber-smart dog who protects kids by teaching them how to stay safe online. Join Lacey and her friend Gabbi on a fun, cyber safe adventure and learn the ins and outs of how to behave and how to keep yourself safe online. In this day in age our kids are accessing the internet about as soon as they can read! Cyber Safe is a fun way to ensure they understand their surroundings in our digital world.

This book focuses on a wide range of innovations related to Cybersecurity Education which include: curriculum development, faculty and professional development, laboratory enhancements, community outreach, and student learning. The book includes topics such as: Network Security, Biometric Security, Data Security, Operating Systems Security, Security Countermeasures, Database Security, Cloud Computing Security, Industrial Control and Embedded Systems Security, Cryptography, and Hardware and Supply Chain Security. The book introduces the concepts, techniques, methods, approaches and trends needed by cybersecurity specialists and educators for keeping current their security knowledge. Further, it provides a glimpse of future directions where cybersecurity techniques, policies, applications, and theories are headed. The book is a rich collection of carefully selected and reviewed manuscripts written by diverse cybersecurity experts in the listed fields and edited by prominent cybersecurity researchers and specialists.

Expert guidance on the art and science of driving secure behaviors Transformational Security Awareness empowers security leaders with the information and resources they need to assemble and deliver effective world-class security awareness programs that drive secure behaviors and culture change. When all other processes, controls, and technologies fail, humans are your last line of defense. But, how can you prepare them? Frustrated with ineffective training paradigms, most security leaders know that there must be a better way. A way that engages users, shapes behaviors, and fosters an organizational culture that encourages and reinforces security-related values. The good news is that there is hope. That’s what Transformational Security Awareness is all about. Author Perry Carpenter weaves together insights and best practices from experts in communication, persuasion, psychology, behavioral economics, organizational culture management, employee engagement, and storytelling to create a multidisciplinary masterpiece that transcends traditional security education and sets you on the path to make a lasting impact in your organization. Find out what you need to know about marketing, communication, behavior science, and culture management Overcome the knowledge-intention-behavior gap Optimize your program to work with the realities of human nature Use simulations, games, surveys, and leverage new trends like escape rooms to teach security awareness Put effective training together into a well-crafted campaign with ambassadors Understand the keys to sustained success and ongoing culture change Measure your success and establish continuous improvements Do you care more about what your employees know or what they do? It's time to transform the way we think about security awareness. If your organization is stuck in a security awareness rut, using the same ineffective strategies, materials, and information that might check a compliance box but still leaves your organization wide open to phishing, social engineering, and security-related employee mistakes and oversights, then you NEED this book.

Social Engineering (SE) attacks are the most prevalent attacks targeting multiple industries, companies, and organizations. This research discusses the reasons for the prevalence of SE attacks and the weaknesses of the defense methods against it—Information Security Awareness Trainings (ISAT). Through an extensive literature review of the methods, experiments, and ideas of the past 20 years, the research compiles best practices for an effective ISAT program that is capable of changing employee behaviors and strengthening companies' security posture through its human element. The literature review is divided into two main sections. The first section is about the components that should be common to any type or format of ISAT regardless of the way it is delivered to the employees. The second section is about four different delivery methods by which companies could conduct ISAT and those are: (1) Lecture-Based Delivery Method; (2) Programs/ Interactive Games Delivery Method; (3) Group-Oriented Delivery Method; (4) Simulated Attack Delivery Method. From the literature review, it was determined that an amazing body of work related to designing and delivering an effective ISAT exists and that companies just need to find a way that works for them. Standard training is largely ineffective and thus companies must put in the time and effort to create materials that are relevant to their employees and combine multiple delivery methods. It is also important to note that ISAT should be a continuous year-round activity and not just done once a year or once in a lifetime. If companies learn to be patient and work out different trial and error scenarios, they will eventually find something that works best for them and as it matures, they will see an immense return on investment and an improvement of their overall security posture.

Social engineering attacks target the weakest link in an organization's security human beings. Everyone knows these attacks are effective, and everyone knows they are on the rise. Now, Social Engineering Penetration Testing gives you the practical methodology and everything you need to plan and execute a social engineering penetration test and assessment. You will gain fascinating insights into how social engineering techniques including email phishing, telephone pretexting, and physical vectors can be used to elicit information or manipulate individuals into performing actions that may aid in an attack. Using the book's easy-to-understand models and examples, you will have a much better understanding of how best to defend against these attacks. The authors of Social Engineering Penetration Testing show you hands-on techniques they have used at RandomStorm to provide clients with valuable results that make a real difference to the security of their businesses. You will learn about the differences between social engineering pen tests lasting anywhere from a few days to several months. The book shows you how to use widely available open-source tools to conduct your pen tests, then walks you through the practical steps to improve defense measures in response to test results. Understand how to plan and execute an effective social engineering assessment Learn how to configure and use the open-source tools available for the social engineer Identify parts of an assessment that will most benefit time-critical engagements Learn how to design target scenarios, create plausible attack situations, and support various attack vectors with technology Create an assessment report, then improve defense measures in response to test results

Real-world advice on how to be invisible online from "the FBI's most-wanted hacker" (Wired) Your every step online is being tracked and stored, and your identity easily stolen. Big companies and big governments want to know and exploit what you do, and privacy is a luxury few can afford or understand. In this explosive yet practical book, computer-security expert Kevin Mitnick

uses true-life stories to show exactly what is happening without your knowledge, and teaches you "the art of invisibility": online and everyday tactics to protect you and your family, using easy step-by-step instructions. Reading this book, you will learn everything from password protection and smart Wi-Fi usage to advanced techniques designed to maximize your anonymity. Invisibility isn't just for superheroes--privacy is a power you deserve and need in the age of Big Brother and Big Data.

"This book evaluates the implementation and validation of the Cyber Security Audit Model (CSAM), along with the delivery and inception of the Cybersecurity Awareness TRAining Model (CATRAM) to train personnel on cyber security awareness matter"--

This pocket guide offers practical advice on how to develop an IT Induction programme for your staff that can help safeguard your business information. By providing your employees with simple instruction in good IT working practices, and by making sure they know what is expected of them, you can strengthen your company's information security and reduce the risk that your data will be stolen or lost.

Protect your organization from scandalously easy-to-hack MFA security “solutions” Multi-Factor Authentication (MFA) is spreading like wildfire across digital environments. However, hundreds of millions of dollars have been stolen from MFA-protected online accounts. How? Most people who use multifactor authentication (MFA) have been told that it is far less hackable than other types of authentication, or even that it is unhackable. You might be shocked to learn that all MFA solutions are actually easy to hack. That’s right: there is no perfectly safe MFA solution. In fact, most can be hacked at least five different ways. Hacking Multifactor Authentication will show you how MFA works behind the scenes and how poorly linked multi-step authentication steps allows MFA to be hacked and compromised. This book covers over two dozen ways that various MFA solutions can be hacked, including the methods (and defenses) common to all MFA solutions. You’ll learn about the various types of MFA solutions, their strengthens and weaknesses, and how to pick the best, most defensible MFA solution for your (or your customers') needs. Finally, this book reveals a simple method for quickly evaluating your existing MFA solutions. If using or developing a secure MFA solution is important to you, you need this book. Learn how different types of multifactor authentication work behind the scenes See how easy it is to hack MFA security solutions—no matter how secure they seem Identify the strengths and weaknesses in your (or your customers’) existing MFA security and how to mitigate Author Roger Grimes is an internationally known security expert whose work on hacking MFA has generated significant buzz in the security world. Read this book to learn what decisions and preparations your organization needs to take to prevent losses from MFA hacking.

Gain greater compliance with corporate training by addressing the heart of the very awareness vs. compliance problem: people are human. People have incredible strengths and incredible weaknesses, and as a Information Security professional, you need to recognize and devise training strategies that take advantage of both. This concise book introduces two such strategies, which combined, can take a security awareness program to the next level of effectiveness, retention, compliance, and maturity. Security policies and procedures are often times inconvenient, technically complex, and hard to understand. Advanced Persistent Training provides numerous tips from a wide range of disciplines to handle these especially difficult situations. Many information security professionals are required by regulation or policy to provide security awareness training within the companies they work for, but many believe that the resulting low compliance with training does not outweigh the costs of delivering that training. There are also many who believe that this training is crucial, if only it could be more effective. What you will learn: Present awareness materials all year-round in a way that people will really listen. Implement a "behavior-first" approach to teaching security awareness. Adopt to gamification the right way, even for people who hate games. Use tips from security awareness leaders addressing the same problems you face. Who is this book for Security awareness professionals or IT Security professionals who are tasked with teaching security awareness within their organization.

From the back cover: "Cyber Within is a stellar portrayal of why user education on Cyber Security threats, tactics, and techniques is so critical." --Robert Lentz, President, Cyber Security Strategies and former Deputy Assistant Secretary of Defense for Cyber, Identity and Information Assurance and Chief Information Officer, U.S. Dept of Defense "Lack of awareness is a grand security weakness. This book provides a unique approach to help fill the gaps and would be a great addition to anyone's information security toolbox." --Kevin Beaver, independent information security consultant with Principle Logic, LLC and author of Hacking For Dummies and Security On Wheels audio programs "This is one of the most fun information security books I've read...it combines a fun storyline with easy to digest tips on information security for employees and even contains 'tear-down' tip sheets " --Dr. Anton Chuvakin, author of PCI Compliance, chuvakin.org While companies spend millions on security products, attackers continue to steal their corporate secrets (and customer data) by exploiting the asset most often ignored on the security budget - people. Organizations that want to keep their trade secrets a secret must find better ways to help employees understand the importance of security. Packed with suspenseful lessons and quick tips for employees, Cyber Within helps organizations take that challenge head-on.

Building a Practical Information Security Program provides users with a strategic view on how to build an information security program that aligns with business objectives. The information provided enables both executive management and IT managers not only to validate existing security programs, but also to build new business-driven security programs. In addition, the subject matter supports aspiring security engineers to forge a career path to successfully manage a security program, thereby adding value and reducing risk to the business. Readers learn how to translate technical challenges into business requirements, understand when to "go big or go home," explore in-depth defense strategies, and review tactics on when to absorb risks. This book explains how to properly plan and implement an infosec program based on business strategy and results. Provides a roadmap on how to build a security program that will protect companies from intrusion Shows how to focus the security program on its essential mission and move past FUD (fear, uncertainty, and doubt) to provide business value Teaches how to build consensus with an effective business-focused program

Business approaches in today’s society have become technologically-driven and highly-applicable within various professional fields. These business practices have transcended traditional boundaries with the implementation of internet technology, making it challenging for professionals outside of the business world to understand these advancements. Interdisciplinary research on business technology is required to better comprehend its innovations. Interdisciplinary Approaches to Digital Transformation and Innovation provides emerging research exploring the complex interconnections of technological business practices within society. This book will explore the practical and theoretical aspects of e-business technology within the fields of engineering, health, and social sciences. Featuring coverage on a broad range of topics such as data monetization, mobile commerce, and digital marketing, this book is ideally designed for researchers, managers, students, engineers, computer scientists, economists, technology designers, information specialists, and administrators seeking current research on the application of e-business technologies within multiple fields.

This comprehensive book instructs IT managers to adhere to federally mandated compliance requirements. FISMA Compliance Handbook Second Edition explains what the requirements are for FISMA compliance and why FISMA compliance is mandated by federal law. The evolution of Certification and Accreditation is discussed. This book walks the reader through the entire FISMA compliance process and includes guidance on how to manage a FISMA compliance project from start to finish. The book has chapters for all FISMA compliance deliverables and includes information on how to conduct a FISMA compliant security assessment. Various topics discussed in this book include the NIST Risk Management Framework, how to characterize the sensitivity level of your system, contingency plan, system security plan development, security awareness training, privacy impact assessments, security assessments and more. Readers will learn how to obtain an Authority to Operate for an information system and what actions to take in regards to vulnerabilities and audit findings. FISMA Compliance Handbook Second Edition, also includes all-new coverage of federal cloud computing compliance from author Laura Taylor, the federal government's technical lead for FedRAMP, the government program used to assess and authorize cloud products and services. Includes new information on cloud computing compliance from Laura Taylor, the federal government's technical lead for FedRAMP Includes coverage for both corporate and government IT managers Learn how to prepare for, perform, and document FISMA compliance projects This book is used by various colleges and universities in information security and MBA curriculums

Most companies are using inefficient computer security defenses which allow hackers to break in at will. It's so bad that most companies have to assume that it is already or can easily be breached. It doesn't have to be this way! A data-driven computer security defense will help any entity better focus on the right threats and defenses. It will create an environment which will help you recognize emerging threats sooner, communicate those threats faster, and defend far more efficiently. What is taught in this book...better aligning defenses to the very threats they are supposed to defend against, will seem commonsense after you read them, but for reasons explained in the book, aren't applied by most companies. The lessons learned come from a 30-year computer security veteran who consulted with hundreds of companies, large and small, who figured out what did and didn't work when defending against hackers and malware. Roger A. Grimes is the author of nine previous books and over 1000 national magazine articles on computer security. Reading A Data-Driven Computer Security Defense will change the way you look at and use computer security for now on.

Cyber Security Awareness for Accountants and CPAs is a concise overview of the cyber security threats posed to companies and organizations. The book will provide an overview of the cyber threat to you, your business, your livelihood, and discuss what you need to do, especially as accountants and CPAs, to lower risk, reduce or eliminate liability, and protect reputation all related to information security, data protection and data breaches. The purpose of this book is to discuss the risk and threats to company information, customer information, as well as the company itself; how to lower the risk of a breach, reduce the associated liability, react quickly, protect customer information and the company's reputation, as well as discuss your ethical, fiduciary and legal obligations. Discusses cyber security threats posed to accountants and CPAs Explains detection and defense techniques

Building an Information Security Awareness ProgramDefending Against Social Engineering and Technical ThreatsElsevier

Understanding cybersecurity principles and practices is vital to all users of IT systems and services, and is particularly relevant in an organizational setting where the lack of security awareness and compliance amongst staff is the root cause of many incidents and breaches. If these are to be addressed, there needs to be adequate support and provision for related training and education in order to ensure that staff know what is expected of them and have the necessary skills to follow through. Cybersecurity Education for Awareness and Compliance explores frameworks and models for teaching cybersecurity literacy in order to deliver effective training and compliance to organizational staff so that they have a clear understanding of what security education is, the elements required to achieve it, and the means by which to link it to the wider goal of good security behavior. Split across four thematic sections (considering the needs of users, organizations, academia, and the profession, respectively), the chapters will collectively identify and address the multiple perspectives from which action is required. This book is ideally designed for IT consultants and specialist staff including chief information security officers, managers, trainers, and organizations.

A practical guide to deploying digital forensic techniques in response to cyber security incidents About This Book Learn incident response fundamentals and create an effective incident response framework Master forensics investigation utilizing digital investigative techniques Contains real-life scenarios that effectively use threat intelligence and modeling techniques Who This Book Is For This book is targeted at Information Security professionals, forensics practitioners, and students with knowledge and experience in the use of software applications and basic command-line experience. It will also help professionals who are new to the incident response/digital forensics role within their organization. What You Will Learn Create and deploy incident response capabilities within your organization Build a solid foundation for acquiring and handling suitable evidence for later analysis Analyze collected evidence and determine the root cause of a security incident Learn to integrate digital forensic techniques and procedures into the overall incident response process Integrate threat intelligence in digital evidence analysis Prepare written documentation for use internally or with external parties such as regulators or law enforcement agencies In Detail Digital Forensics and Incident Response will guide you through the entire spectrum of tasks associated with incident response, starting with preparatory activities associated with creating an incident response plan and creating a digital forensics capability within your own organization. You will then begin a detailed examination of digital forensic techniques including acquiring evidence, examining volatile memory, hard drive assessment, and network-based evidence. You will also explore the role that threat intelligence plays in the incident response process. Finally, a detailed section on preparing reports will help you prepare a written report for use either internally or in a courtroom. By the end of the book, you will have mastered forensic techniques and incident response and you will have a solid foundation on which to increase your ability to investigate such incidents in your organization. Style and approach The book covers practical scenarios and examples in an enterprise setting to give you an understanding of how digital forensics integrates with the overall response to cyber security incidents. You will also learn the proper use of tools and techniques to investigate common cyber security incidents such as malware infestation, memory analysis, disk analysis, and network analysis.

Information Security Awareness Basics provides a standardized basic security awareness program for deployment across an enterprise in booklet form. For small enterprises: the awareness booklet can be deployed by purchasing copies for all workers and briefing them on differences between the booklet and internal rules. For larger enterprises: the awareness booklet can be customized to your needs and deployed across the enterprise, complete with your logos, custom questions and exams for enterprise feedback, and adding or removing elements of the program as desired. For the largest enterprises: The awareness booklet can be licensed for internal-only on-line use and configured as a set of training modules within existing automated workflow systems.

Welcome to the proceedings of the 2010 International Conferences on Security Te- nology (SecTech 2010), and Disaster Recovery and Business Continuity (DRBC 2010) – two of the partnering events of the Second International Mega-Conference on Future Generation Information Technology (FGIT 2010). SecTech and DRBC bring together researchers from academia and industry as well as practitioners to share ideas, problems and solutions relating to the multifaceted aspects of security and disaster recovery

methodologies, including their links to c- putational sciences, mathematics and information technology. In total, 1,630 papers were submitted to FGIT 2010 from 30 countries, which - cludes 250 papers submitted to SecTech/DRBC 2010. The submitted papers went through a rigorous reviewing process: 395 of the 1,630 papers were accepted for FGIT 2010, while 57 papers were accepted for SecTech/DRBC 2010. Of the 250 papers 10 were selected for the special FGIT 2010 volume published by Springer in the LNCS series. 34 papers are published in this volume, and 13 papers were wi- drawn due to technical reasons. We would like to acknowledge the great effort of the SecTech/DRBC 2010 Int- national Advisory Boards and members of the International Program Committees, as well as all the organizations and individuals who supported the idea of publishing this volume of proceedings, including SERSC and Springer. Also, the success of these two conferences would not have been possible without the huge support from our sponsors and the work of the Chairs and Organizing Committee.

The IT Regulatory and Standards Compliance Handbook provides comprehensive methodology, enabling the staff charged with an IT security audit to create a sound framework, allowing them to meet the challenges of compliance in a way that aligns with both business and technical needs. This "roadmap" provides a way of interpreting complex, often confusing, compliance requirements within the larger scope of an organization's overall needs. The ulitmate guide to making an effective security policy and controls that enable monitoring and testing against them The most comprehensive IT compliance template available, giving detailed information on testing all your IT security, policy and governance requirements A guide to meeting the minimum standard, whether you are planning to meet ISO 27001, PCI-DSS, HIPPA, FISCAM, COBIT or any other IT compliance requirement Both technical staff responsible for securing and auditing information systems and auditors who desire to demonstrate their technical expertise will gain the knowledge, skills and abilities to apply basic risk analysis techniques and to conduct a technical audit of essential information systems from this book This technically based, practical guide to information systems audit and assessment will show how the process can be used to meet myriad compliance issues

Starting with the inception of an education program and progressing through its development, implementation, delivery, and evaluation, Managing an Information Security and Privacy Awareness and Training Program, Second Edition provides authoritative coverage of nearly everything needed to create an effective training program that is compliant with applicable laws, regulations, and policies. Written by Rebecca Herold, a well-respected information security and privacy expert named one of the "Best Privacy Advisers in the World" multiple times by Computerworld magazine as well as a "Top 13 Influencer in IT Security" by IT Security Magazine, the text supplies a proven framework for creating an awareness and training program. It also: Lists the laws and associated excerpts of the specific passages that require training and awareness Contains a plethora of forms, examples, and samples in the book’s 22 appendices Highlights common mistakes that many organizations make Directs readers to additional resources for more specialized information Includes 250 awareness activities ideas and 42 helpful tips for trainers Complete with case studies and examples from a range of businesses and industries, this all-in-one resource provides the holistic and practical understanding needed to identify and implement the training and awareness methods best suited to, and most effective for, your organization. Praise for: The first edition was outstanding. The new second edition is even better ... the definitive and indispensable guide for information security and privacy awareness and training professionals, worth every cent. As with the first edition, we recommend it unreservedly.. —NoticeBored.com

A guide to low tech computer hacking covers such topics as social engineering, locks, penetration testing, and information security.

The Definitive Guide to Quantifying, Classifying, and Measuring Enterprise IT Security Operations Security Metrics is the first comprehensive best-practice guide to defining, creating, and utilizing security metrics in the enterprise. Using sample charts, graphics, case studies, and war stories, Yankee Group Security Expert Andrew Jaquith demonstrates exactly how to establish effective metrics based on your organization’s unique requirements. You’ll discover how to quantify hard-to-measure security activities, compile and analyze all relevant data, identify strengths and weaknesses, set cost-effective priorities for improvement, and craft compelling messages for senior management. Security Metrics successfully bridges management’s quantitative viewpoint with the nuts-and-bolts approach typically taken by security professionals. It brings together expert solutions drawn from Jaquith’s extensive consulting work in the software, aerospace, and financial services industries, including new metrics presented nowhere else. You’ll learn how to: • Replace nonstop crisis response with a systematic approach to security improvement • Understand the differences between “good” and “bad” metrics • Measure coverage and control, vulnerability management, password quality, patch latency, benchmark scoring, and business-adjusted risk • Quantify the effectiveness of security acquisition, implementation, and other program activities • Organize, aggregate, and analyze your data to bring out key insights • Use visualization to understand and communicate security issues more clearly • Capture valuable data from firewalls and antivirus logs, third-party auditor reports, and other resources • Implement balanced scorecards that present compact, holistic views of organizational security effectiveness

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