

Cobit 5 For Risk Isaca Information Assurance

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Transforming Cybersecurity: Using COBIT 5 - ISACA 2013-06-18

The cost and frequency of cybersecurity incidents are on the rise, is your enterprise keeping pace? The numbers of threats, risk scenarios and vulnerabilities have grown exponentially. Cybersecurity has evolved as a new field of interest, gaining political and societal attention. Given this magnitude, the future tasks and responsibilities associated with cybersecurity will be essential to organizational survival and profitability. This publication applies the COBIT 5 framework and its component publications to transforming cybersecurity in a systemic way. First, the impacts of cybercrime and cyberwarfare on business and society are illustrated and put in context. This section shows the rise in cost and frequency of security incidents, including APT attacks and other threats with a critical impact and high intensity. Second, the transformation addresses security governance, security management and security assurance. In accordance with the lens concept within COBIT 5, these sections cover all elements of the systemic transformation and cybersecurity improvements.

Engineering Information Security - Stuart Jacobs 2015-12-01

Engineering Information Security covers all aspects of information security using a systematic engineering approach and focuses on the viewpoint of how to control access to information. Includes a discussion

about protecting storage of private keys, SCADA, Cloud, Sensor, and Ad Hoc networks Covers internal operations security processes of monitors, review exceptions, and plan remediation Over 15 new sections Instructor resources such as lecture slides, assignments, quizzes, and a set of questions organized as a final exam If you are an instructor and adopted this book for your course, please email ieeeproposals@wiley.com to get access to the additional instructor materials for this book.

Research Anthology on Artificial Intelligence Applications in Security - Management Association, Information Resources 2020-11-27

As industries are rapidly being digitalized and information is being more heavily stored and transmitted online, the security of information has become a top priority in securing the use of online networks as a safe and effective platform. With the vast and diverse potential of artificial intelligence (AI) applications, it has become easier than ever to identify cyber vulnerabilities, potential threats, and the identification of solutions to these unique problems. The latest tools and technologies for AI applications have untapped potential that conventional systems and human security systems cannot meet, leading AI to be a frontrunner in the fight against malware, cyber-attacks, and various security issues. However, even with the tremendous progress AI has made within the sphere of security, it's important to understand the impacts, implications,

and critical issues and challenges of AI applications along with the many benefits and emerging trends in this essential field of security-based research. Research Anthology on Artificial Intelligence Applications in Security seeks to address the fundamental advancements and technologies being used in AI applications for the security of digital data and information. The included chapters cover a wide range of topics related to AI in security stemming from the development and design of these applications, the latest tools and technologies, as well as the utilization of AI and what challenges and impacts have been discovered along the way. This resource work is a critical exploration of the latest research on security and an overview of how AI has impacted the field and will continue to advance as an essential tool for security, safety, and privacy online. This book is ideally intended for cyber security analysts, computer engineers, IT specialists, practitioners, stakeholders, researchers, academicians, and students interested in AI applications in the realm of security research.

IT Control Objectives for Cloud Computing - Isaca 2011

Controls & Assurance in the Cloud: Using COBIT 5 - ISACA 2014-03-24

"This practical guidance was created for enterprises using or considering using cloud computing. It provides a governance and control framework based on COBIT 5 and an audit program using COBIT 5 for Assurance. This information can assist enterprises in assessing the potential value of cloud investments to determine whether the risk is within the acceptable level. In addition, it provides a list of publications and resources that can help determine if cloud computing is the appropriate solution for the data and processes being considered."--

COBIT 5 - ISACA 2012

COBIT 5 is the overarching business and management framework for governance and management of enterprise IT. This volume documents the five principles of COBIT 5 and defines the 7 supporting enablers that form the framework. COBIT 5 is the only business framework for the governance and management of enterprise IT. This evolutionary version

incorporates the latest thinking in enterprise governance and management techniques, and provides globally accepted principles, analytical tools and models to help increase the trust in, and value from, information systems. COBIT 5 builds and expands on COBIT 4.1 by integrating other major frameworks, standards and resources, including: ISACA's Val IT and Risk IT Information Technology Infrastructure Library (ITIL). Related standards from the International Organization for Standardization (ISO). COBIT 5 helps enterprises of all sizes: Maintain high-quality information to support business decisions Achieve strategic goals and realize business benefits through the effective and innovative use of IT Achieve operational excellence through reliable, efficient application of technology Maintain IT-related risk at an acceptable level Optimize the cost of IT services and technology. Support compliance with relevant laws, regulations, contractual agreements and policies.

COBIT 5: Enabling Information - ISACA 2013-10-10

COBIT 2019 Framework - Isaca 2018-11

Information Security Governance - IT Governance Institute 2006

Fundamentals of Information Security Risk Management Auditing -
Christopher Wright 2016-04-12

An introductory guide to information risk management auditing, giving an interesting and useful insight into the risks and controls/mitigations that you may encounter when performing or managing an audit of information risk. Case studies and chapter summaries impart expert guidance to provide the best grounding in information risk available for risk managers and non-specialists alike.

The Business Model for Information Security - ISACA 2010

Configuration Management: Using COBIT 5 - ISACA 2013-07-23

IT Control Objectives for Sarbanes-Oxley - IT Governance Institute 2006

COBIT 5 - ISACA 2012

This publication complements COBIT 5 and contains a detailed reference guide to the processes defined in the COBIT 5 process reference model.

Auditing Information Systems - Abraham Nyirongo 2015-03-11

The role of the information systems auditor is not just about compliance and performance testing but goes beyond by adding value to the enterprise through being an IS advisor to management. This book, whilst covering all the necessary skills in IS auditing, also focuses on the role of the IS auditor in enhancing the performance of the enterprise. The IS auditor is a key member of the enterprise and ensures that technology is used appropriately, protects data, and provides a secure environment.

The book outlines the IS audit process in detail, enabling the reader to acquire necessary skills on how to conduct an IS audit. Included in the book are other formative skills, such as IT general controls, applications controls, IT governance, information security, IT risk, and disaster recovery. The book also covers all the necessary technologies an IS auditor requires to learn and understand in order to be an effective auditor. A good flair for technology is a must for one to be a good IS auditor. The book focuses on both learning the technology and developing appropriate evidence-gathering skills.

COBIT 5 for Risk - ISACA 2013-09-25

Information is a key resource for all enterprises. From the time information is created to the moment it is destroyed, technology plays a significant role in containing, distributing and analysing information. Technology is increasingly advanced and has become pervasive in enterprises and the social, public and business environments.

COBIT 2019 Framework - Isaca 2018-11

CRISC Review Manual 6th Edition - Isaca 2016

Security and Privacy Management, Techniques, and Protocols - Maleh, Yassine 2018-04-06

The security of information and communication technology is a high priority for any organization. By examining the current problems and

challenges this domain is facing, more efficient strategies can be established to safeguard personal information against invasive pressures. Security and Privacy Management, Techniques, and Protocols is a critical scholarly resource that examines emerging protocols and methods for effective management of information security at organizations. Featuring coverage on a broad range of topics such as cryptography, secure routing protocols, and wireless security, this book is geared towards academicians, engineers, IT specialists, researchers, and students seeking current research on security and privacy management.

The Risk IT Framework - Isaca 2009

Vendor Management: Using COBIT 5 - ISACA 2014-02-01

Security Considerations for Cloud Computing - ISACA 2012-11-09

Information Security Governance - W. Krag Brotby 2007

COBIT 5 for Business Benefits Realisation - Isaca 2015

Getting an Information Security Job For Dummies - Peter H. Gregory 2015-02-19

Get prepared for your Information Security job search! Do you want to equip yourself with the knowledge necessary to succeed in the Information Security job market? If so, you've come to the right place. Packed with the latest and most effective strategies for landing a lucrative job in this popular and quickly-growing field, Getting an Information Security Job For Dummies provides no-nonsense guidance on everything you need to get ahead of the competition and launch yourself into your dream job as an Information Security (IS) guru. Inside, you'll discover the fascinating history, projected future, and current applications/issues in the IS field. Next, you'll get up to speed on the general educational concepts you'll be exposed to while earning your analyst certification and the technical requirements for obtaining an IS position. Finally, learn how to set yourself up for job hunting success

with trusted and supportive guidance on creating a winning resume, gaining attention with your cover letter, following up after an initial interview, and much more. Covers the certifications needed for various jobs in the Information Security field Offers guidance on writing an attention-getting resume Provides access to helpful videos, along with other online bonus materials Offers advice on branding yourself and securing your future in Information Security If you're a student, recent graduate, or professional looking to break into the field of Information Security, this hands-on, friendly guide has you covered.

COBIT 5 for Information Security - ISACA 2012

COBIT 5 provides a comprehensive framework that assists enterprises in achieving their objectives for the governance and management of enterprise IT. COBIT 5 enables IT to be governed and managed in a holistic manner for the entire enterprise, taking into account the full end-to-end business and IT functional areas of responsibility, considering IT-related interests of internal and external stakeholders.

Implementing the NIST Cybersecurity Framework Using COBIT 2019 - Isaca 2019-10-07

COBIT and Application Controls - Isaca 2009

Enterprise Governance of Information Technology - Steven De Haes 2015-03-04

Featuring numerous case examples from companies around the world, this second edition integrates theoretical advances and empirical data with practical applications, including in-depth discussion on the COBIT 5 framework which can be used to build, measure and audit enterprise governance of IT approaches. At the forefront of the field, the authors of this volume draw from years of research and advising corporate clients to present a comprehensive resource on enterprise governance of IT (EGIT). Information technology (IT) has become a crucial enabler in the support, sustainability and growth of enterprises. Given this pervasive role of IT, a specific focus on EGIT has arisen over the last two decades, as an integral part of corporate governance. Going well beyond the

implementation of a superior IT infrastructure, enterprise governance of IT is about defining and embedding processes and structures throughout the organization that enable boards and business and IT people to execute their responsibilities in support of business/IT alignment and value creation from their IT-enabled investments. Featuring a variety of elements, including executive summaries and sidebars, extensive references and questions and activities (with additional materials available on-line), this book will be an essential resource for professionals, researchers and students alike

COBIT Self-Assessment Guide: Using COBIT 5 - ISACA (Serving IT Governance Professionals) 2013

This guide details an approach to undertaking IT process assessments based on the COBIT 5 Process Assessment Model or PAM. Included in this guide are sufficient information from the COBIT PAM and a full self-assessment template to simplify the self-assessment process.

COBIT 2019 Design Guide - Isaca 2018-11-30

An Introduction to Cyber Security - Simplilearn 2019-12-20

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.

ECCWS 2019 18th European Conference on Cyber Warfare and Security - Tiago Cruz 2019-07-04

COBIT 5 for Assurance - ISACA 2013

Building on the COBIT 5 framework, this guide focuses on assurance and provides more detailed and practical guidance for assurance professionals and other interested parties at all levels of the enterprise on how to use COBIT 5 to support a variety of IT assurance activities.

COBIT Focus Area - Information and Technology Risk - Isaca 2021-02-15

COBIT 5 - Information Systems Audit and Control Association 2012

Enterprise Security Risk Management - Brian Allen, Esq., CISSP, CISM, CPP, CFE 2017-11-29

As a security professional, have you found that you and others in your company do not always define “security” the same way? Perhaps security interests and business interests have become misaligned. Brian Allen and Rachelle Loyear offer a new approach: Enterprise Security Risk Management (ESRM). By viewing security through a risk management lens, ESRM can help make you and your security program successful. In their long-awaited book, based on years of practical experience and research, Brian Allen and Rachelle Loyear show you step-by-step how Enterprise Security Risk Management (ESRM) applies fundamental risk principles to manage all security risks. Whether the risks are informational, cyber, physical security, asset management, or business continuity, all are included in the holistic, all-encompassing ESRM approach which will move you from task-based to risk-based security. How is ESRM familiar? As a security professional, you may already practice some of the components of ESRM. Many of the concepts - such as risk identification, risk transfer and acceptance, crisis management, and incident response - will be well known to you. How is ESRM new? While many of the principles are familiar, the authors have identified few organizations that apply them in the comprehensive, holistic way that ESRM represents - and even fewer that communicate these principles effectively to key decision-makers. How is ESRM practical? ESRM offers you a straightforward, realistic, actionable approach to deal effectively with all the distinct types of security risks facing you as a security practitioner. ESRM is performed in a life cycle of risk management including: Asset assessment and prioritization. Risk assessment and prioritization. Risk treatment (mitigation). Continuous improvement. Throughout Enterprise Security Risk Management: Concepts and Applications, the authors give you the tools and materials that will help you advance you in the security field, no matter if you are a student, a newcomer, or a seasoned professional. Included are realistic case

studies, questions to help you assess your own security program, thought-provoking discussion questions, useful figures and tables, and references for your further reading. By redefining how everyone thinks about the role of security in the enterprise, your security organization can focus on working in partnership with business leaders and other key stakeholders to identify and mitigate security risks. As you begin to use ESRM, following the instructions in this book, you will experience greater personal and professional satisfaction as a security professional - and you'll become a recognized and trusted partner in the business-critical effort of protecting your enterprise and all its assets.

The Risk IT Practitioner Guide - Isaca 2009

The Cyber Risk Handbook - Domenic Antonucci 2017-04-03

Actionable guidance and expert perspective for real-world cybersecurity
The Cyber Risk Handbook is the practitioner's guide to implementing, measuring and improving the counter-cyber capabilities of the modern enterprise. The first resource of its kind, this book provides authoritative guidance for real-world situations, and cross-functional solutions for enterprise-wide improvement. Beginning with an overview of counter-cyber evolution, the discussion quickly turns practical with design and implementation guidance for the range of capabilities expected of a robust cyber risk management system that is integrated with the enterprise risk management (ERM) system. Expert contributors from around the globe weigh in on specialized topics with tools and techniques to help any type or size of organization create a robust system tailored to its needs. Chapter summaries of required capabilities are aggregated to provide a new cyber risk maturity model used to benchmark capabilities and to road-map gap-improvement. Cyber risk is a fast-growing enterprise risk, not just an IT risk. Yet seldom is guidance provided as to what this means. This book is the first to tackle in detail those enterprise-wide capabilities expected by Board, CEO and Internal Audit, of the diverse executive management functions that need to team up with the Information Security function in order to provide integrated solutions. Learn how cyber risk management can be integrated to better

protect your enterprise Design and benchmark new and improved practical counter-cyber capabilities Examine planning and implementation approaches, models, methods, and more Adopt a new cyber risk maturity model tailored to your enterprise needs The need to manage cyber risk across the enterprise—inclusive of the IT operations—is a growing concern as massive data breaches make the news on an alarmingly frequent basis. With a cyber risk management system now a business-necessary requirement, practitioners need to assess the effectiveness of their current system, and measure its gap-improvement over time in response to a dynamic and fast-moving threat landscape. The Cyber Risk Handbook brings the world's best thinking to bear on aligning that system to the enterprise and vice-a-versa. Every functional head of any organization must have a copy at-hand to understand their role in achieving that alignment.

The Cyber Risk Handbook - Domenic Antonucci 2017-05-01

Actionable guidance and expert perspective for real-world cybersecurity The Cyber Risk Handbook is the practitioner's guide to implementing, measuring and improving the counter-cyber capabilities of the modern enterprise. The first resource of its kind, this book provides authoritative guidance for real-world situations, and cross-functional solutions for enterprise-wide improvement. Beginning with an overview of counter-cyber evolution, the discussion quickly turns practical with design and implementation guidance for the range of capabilities expected of a robust cyber risk management system that is integrated with the enterprise risk management (ERM) system. Expert contributors from

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