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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-

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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

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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

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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

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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

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organization must have a copy at-hand to understand their role in achieving that alignment.

Firms with superior IT governance have more than 25% higher profits than firms with poor governance given the same strategic objectives. These top performers have custom designed IT governance for their strategies. Just as corporate governance aims to ensure quality decisions about all corporate assets, IT governance links IT decisions with company objectives and monitors

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performance and accountability. Based on a study of 250 enterprises worldwide, IT Governance shows how to design and implement a system of decision rights that will transform IT from an expense to a profitable investment.

The Institute of Internal Auditors' (IIA's) International Professional Practices Framework (IPPF) is the authoritative guidance on the internal audit profession. The IPPF presents current, relevant, internationally consistent

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information that is required by internal audit professionals worldwide. The new IPPF features improved clarity, increased transparency, measurable accountability, a defined cycle of review for all guidance, and availability in hard copy and as a fully interactive CD-ROM. Now more than ever, content must be visual if it is to travel far. Readers everywhere are overwhelmed with a flow of data, news, and text. Visuals can cut through the noise and make it easier for

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readers to recognize and recall information. Yet many researchers were never taught how to present their work visually. This book details essential strategies to create more effective data visualizations. Jonathan Schwabish walks readers through the steps of creating better graphs and how to move beyond simple line, bar, and pie charts. Through more than five hundred examples, he demonstrates the do's and don'ts of data visualization, the principles of visual perception, and how to

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make subjective style decisions around a chart's design. Schwabish surveys more than eighty visualization types, from histograms to horizon charts, ridgeline plots to choropleth maps, and explains how each has its place in the visual toolkit. It might seem intimidating, but everyone can learn how to create compelling, effective data visualizations. This book will guide you as you define your audience and goals, choose the graph that best fits for your data, and clearly communicate your

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message.

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[Guidelines, Maturity Models](#)

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[Usage, Collaboration, and](#)

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[World Class IT](#)

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[Enterprise Architecture for Global Companies in a Digital IT Era](#)

Software services are established as a programming concept, but their impact on the overall architecture of enterprise IT and business operations is not well-understood. This has led to problems in deploying SOA, and some disillusionment. The SOA

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Source Book adds to this a collection of reference material for SOA. It is an invaluable resource for enterprise architects working with SOA. The SOA Source Book will help enterprise architects to use SOA effectively. It explains: What SOA is How to evaluate SOA features in business terms How to model SOA How to use The Open Group Architecture Framework (TOGAF™) for SOA SOA governance This book explains how TOGAF can help to make an Enterprise Architecture. Enterprise Architecture is an approach that can help management to understand this growing complexity. World Class IT Technology is all

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around us. It is so pervasive in our daily lives that we may not even recognize when we interact with it. Despite this fact, many companies have yet to leverage information technology as a strategic weapon. What then is an information technology executive to do in order to raise the prominence of his or her department? In *World Class IT*, recognized expert in IT strategy Peter High reveals the essential principles IT executives must follow and the order in which they should follow them whether they are at the helm of a high-performing department or one in need of great improvement.

Principle 1: Recruit, train, and

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retain World Class IT people
Principle 2: Build and maintain a robust IT infrastructure
Principle 3: Manage projects and portfolios effectively
Principle 4: Ensure partnerships within the IT department and with the business
Principle 5: Develop a collaborative relationship with external partners
The principles and associated subprinciples and metrics introduced in World Class IT have been used by IT and business executives alike at many Global 1000 companies to monitor and improve IT's performance. Those principles pertain as much to the leaders of IT as they do to those striving to emulate them. Featuring numerous case

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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

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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-

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line), this book will be an essential resource for professionals, researchers and students alike

Data-governance programs focus on authority and accountability for the management of data as a valued organizational asset. Data Governance should not be about command-and-control, yet at times could become invasive or threatening to the work, people and culture of an organization. Non-Invasive Data Governance™ focuses on formalizing existing accountability for the management of data and improving formal communications, protection, and quality efforts through effective stewarding of data resources. Non-

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Invasive Data Governance will provide you with a complete set of tools to help you deliver a successful data governance program. Learn how:

- Steward responsibilities can be identified and recognized, formalized, and engaged according to their existing responsibility rather than being assigned or handed to people as more work.
- Governance of information can be applied to existing policies, standard operating procedures, practices, and methodologies, rather than being introduced or emphasized as new processes or methods.
- Governance of information can support all data integration, risk management,

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business intelligence and master data management activities rather than imposing inconsistent rigor to these initiatives. • A practical and non-threatening approach can be applied to governing information and promoting stewardship of data as a cross-organization asset. • Best practices and key concepts of this non-threatening approach can be communicated effectively to leverage strengths and address opportunities to improve.

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[Introduction and Methodology](#)

[COBIT Process Assessment Model \(PAM\)](#)

[Creating and Measuring Effective Cybersecurity Capabilities](#)

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[CISO COMPASS](#)

[Mastering Microsoft Teams](#)

[The Cyber Risk Handbook](#)

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[Enterprise IT.](#)

[SPSS Survival Manual](#)

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[Analysis Using IBM SPSS](#)

Todd Fitzgerald, co-author of the ground-breaking (ISC)2 CISO Leadership: Essential Principles for Success, Information Security Governance Simplified: From the Boardroom to the Keyboard, co-author for the E-C Council CISO

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Body of Knowledge, and contributor to many others including Official (ISC)2 Guide to the CISSP CBK, COBIT 5 for Information Security, and ISACA CSX Cybersecurity Fundamental Certification, is back with this new book incorporating practical experience in leading, building, and sustaining an information security/cybersecurity program. CISO COMPASS includes personal, pragmatic perspectives and lessons learned of over 75 award-winning CISOs, security leaders, professional association leaders, and cybersecurity standard setters who have fought the tough battle. Todd has also, for the first time, adapted the McKinsey 7S

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framework (strategy, structure, systems, shared values, staff, skills and style) for organizational effectiveness to the practice of leading cybersecurity to structure the content to ensure comprehensive coverage by the CISO and security leaders to key issues impacting the delivery of the cybersecurity strategy and demonstrate to the Board of Directors due diligence. The insights will assist the security leader to create programs appreciated and supported by the organization, capable of industry/peer award-winning recognition, enhance cybersecurity maturity, gain confidence by senior management, and avoid pitfalls.

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The book is a comprehensive, soup-to-nuts book enabling security leaders to effectively protect information assets and build award-winning programs by covering topics such as developing cybersecurity strategy, emerging trends and technologies, cybersecurity organization structure and reporting models, leveraging current incidents, security control frameworks, risk management, laws and regulations, data protection and privacy, meaningful policies and procedures, multi-generational workforce team dynamics, soft skills, and communicating with the Board of Directors and executive management. The book is valuable

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to current and future security leaders as a valuable resource and an integral part of any college program for information/cybersecurity.

This book integrates theoretical advances and empirical data on Enterprise Governance in Information Technology (EGIT) with practical applications based on numerous case examples. The third revised edition of Enterprise Governance of Information Technology provides professionals and students with the most recent research advancements as well as an in-depth discussion of the recently-introduced Control Objectives for Information and Related Technologies (COBIT)

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2019 framework which can be used to facilitate a tailored implementation of effective EGIT. Furthermore, the book features a new chapter which provides readers with hands-on examples from practice and clear insights on how these relate to theory. 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 EGIT. Featuring a variety of elements, including executive summaries and sidebars, extensive references, questions and activities and additional online materials, this book is a valuable updated resource for professionals,

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students and researchers alike. 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

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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. This book investigates solutions incorporated by architecture boards in global enterprises to resolve issues and mitigate related architecture risks, while also

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proposing and implementing an adaptive integrated digital architecture framework (AIDAF) and related models and approaches/platforms, which can be applied in companies to promote IT strategies using cloud/mobile IT/digital IT. The book is divided into three main parts, the first of which (Chapters 1-2) addresses the background and motivation for AIDAF aligned with digital IT strategies. The second part (Chapter 3) provides an overview of strategic enterprise architecture (EA) frameworks for digital IT, elaborates on the essential elements of EA frameworks in the digital IT era, and advocates using AIDAF,

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models for architecture assessment/risk management, knowledge management on digital platforms. In turn, the third part (Chapters 4-7) demonstrates the application and benefits of AIDAF and related models, as shown in three case studies. “I found this book to be a very nice contribution to the EA community of practice. I can recommend this book as a textbook for digital IT strategists/practitioners, EA practitioners, students in universities and graduate schools.” (From the Foreword by Scott A. Bernard) “In this new age of the digital information society, it is necessary to advocate a new EA framework. This book provides

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state-of-the art knowledge and practices about EA frameworks beneficial for IT practitioners, IT strategists, CIO, IT architects, and even students. It serves as an introductory textbook for all who drive the information society in this era.”(From the Foreword by Jun Murai)

[COBIT 2019 Design Guide](#)

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[Governance and Management](#)

[Objectives](#)

[The Path of Least Resistance and Greatest Success](#)

[Controls & Assurance in the Cloud: Using COBIT 5](#)

[A Guide for Scholars, Researchers,](#)

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[and Wonks](#)

[Using COBIT 5](#)

[A Publication of IFDC \(International Foundation of Digital Competences\)](#)

[COBIT® 4.1](#)

[Designing an Information and Technology Governance Solution](#)

Written for IT service managers, consultants and other practitioners in IT governance, risk and compliance, this practical book discusses all the key concepts of COBIT®5, and explains how to direct the governance of enterprise IT (GEIT) using the COBIT®5 framework. The book also covers the main frameworks and standards supporting GEIT, discusses the ideas of enterprise and governance, and shows the path from corporate

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governance to the governance of enterprise IT.

This title provides clear and readily applicable guidance to corporate board members on the involvement of boards of directors in information technology (IT) governance. Specifically, it demonstrates ways in which board members can execute IT duties effectively. Specific tools such as a roadmap towards digital transformation and a board-level dashboard for digital strategy and oversight are also offered. While organizations are increasingly dependent on IT for the creation of business value, the evidence seems to indicate that boards of directors are not as involved in IT-related strategic decision-making and control as they should be. Research shows that high

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levels of board-level IT governance, regardless of existing IT needs, will improve organizational performance. This book provides unique insights into the inner workings of a specific board of directors group, with a focus on its IT governance structures and processes.

This graduate-level textbook introduces fundamental concepts and methods in machine learning. It describes several important modern algorithms, provides the theoretical underpinnings of these algorithms, and illustrates key aspects for their application. The authors aim to present novel theoretical tools and concepts while giving concise proofs even for relatively advanced topics. Foundations of Machine Learning fills the need for a general textbook that

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also offers theoretical details and an emphasis on proofs. Certain topics that are often treated with insufficient attention are discussed in more detail here; for example, entire chapters are devoted to regression, multi-class classification, and ranking. The first three chapters lay the theoretical foundation for what follows, but each remaining chapter is mostly self-contained. The appendix offers a concise probability review, a short introduction to convex optimization, tools for concentration bounds, and several basic properties of matrices and norms used in the book. The book is intended for graduate students and researchers in machine learning, statistics, and related areas; it can be used either as a textbook or as a

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reference text for a research seminar. Find the right big data solution for your business or organization Big data management is one of the major challenges facing business, industry, and not-for-profit organizations. Data sets such as customer transactions for a mega-retailer, weather patterns monitored by meteorologists, or social network activity can quickly outpace the capacity of traditional data management tools. If you need to develop or manage big data solutions, you'll appreciate how these four experts define, explain, and guide you through this new and often confusing concept. You'll learn what it is, why it matters, and how to choose and implement solutions that work. Effectively managing big data is an

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issue of growing importance to businesses, not-for-profit organizations, government, and IT professionals Authors are experts in information management, big data, and a variety of solutions Explains big data in detail and discusses how to select and implement a solution, security concerns to consider, data storage and presentation issues, analytics, and much more Provides essential information in a no-nonsense, easy-to-understand style that is empowering Big Data For Dummies cuts through the confusion and helps you take charge of big data solutions for your organization.

[Implementing the NIST Cybersecurity Framework Using COBIT 2019](#)

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[Non-Invasive Data Governance](#)

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[IT Control Objectives for Sarbanes-Oxley](#)

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[Guidance for Corporate Board Members](#)

[SOA Source Book](#)

[Foundations of Machine Learning](#)

[Adaptive Integrated Digital Architecture Framework \(AIDAF\)](#)

[Big Data For Dummies](#)

The SPSS Survival Manual throws a lifeline to students and researchers grappling with this powerful data analysis software. In her bestselling guide,

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Julie Pallant guides you through the entire research process, helping you choose the right data analysis technique for your project. From the formulation of research questions, to the design of the study and analysis of data, to reporting the results, Julie discusses basic and advanced statistical techniques. She outlines each technique clearly, with step-by-step procedures for performing the analysis, a detailed guide to interpreting data output and an example of how to present the results in a report. For both beginners and experienced users in psychology, sociology, health sciences, medicine,

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education, business and related disciplines, the SPSS Survival Manual is an essential text. Illustrated with screen grabs, examples of output and tips, it is supported by a website with sample data and guidelines on report writing. This sixth edition is fully revised and updated to accommodate changes to IBM SPSS procedures, screens and output. It covers new SPSS tools for generating graphs and non-parametric statistics, importing data, and calculating dates. An excellent introduction to using SPSS for data analysis. It provides a self-contained resource itself, with more than

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simply (detailed and clear) step-by-step descriptions of statistical procedures in SPSS. There is also a wealth of tips and advice, and for each statistical technique a brief, but consistently reliable, explanation is provided.' -

Associate Professor George Dunbar, University of Warwick
'This book is recommended as ESSENTIAL to all students completing research projects - minor and major.' - *Dr John Roodenburg, Monash University*

Do you need to learn how to use Microsoft Teams? Are you questioning how to drive user adoption, govern content, and

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manage access for your Teams deployment? Either way, Mastering Microsoft Teams is your one-stop-shop to learning everything you need to know to find success with Microsoft Teams. Microsoft's new chat-based collaboration software has many rich features that enable teams to be more efficient, and save valuable time and resources. However, as with all software, there is a learning curve and pitfalls that should be avoided. Begin by learning the core components and use cases for Teams. From there the authors guide you through ideas to create governance and

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adoption plans that make sense for your organization or customer. Wrap up with an understanding of features and services in progress, and a road map to the future of the product. What You'll Learn Implement, use, and manage Microsoft Teams Understand how Teams drives productivity and engagement by combining the functionality of Microsoft Groups, SharePoint, OneDrive, Outlook, and other services in one location Govern, explain, and use Teams in your organization Know the pitfalls to avoid that may create challenges in your usage of Teams Become familiar with the functionality and

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components of Teams via walkthroughs, including opportunities for automating business processes in Teams Who This Book Is For Anyone who wants to learn Microsoft Teams. To get the most out of the book, a basic understanding of Office 365 and a subscription, including a Microsoft Teams license, is useful.

Praise for Sarbanes-Oxley Guide for Finance and Information Technology Professionals "Effective SOX programs enlist the entire organization to build and monitor a compliant control environment. However, even the best SOX

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programs are inefficient at best, ineffective at worst, if there is a lack of informed, competent finance and IT personnel to support the effort. This book provides these important professionals a needed resource for and road map towards successfully implementing their SOX initiative." —Scott Green Chief Administrative Officer, Weil, Gotshal & Manges LLP and author, Sarbanes-Oxley and the Board of Directors "As a former CFO and CIO, I found this book to be an excellent synopsis of SOX, with impressive implementation summaries and checklists." —Michael P.

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Cangemi CISA, Editor in Chief, Information Systems Control Journal and author, Managing the Audit Function "An excellent introduction to the Sarbanes-Oxley Act from the perspective of the financial and IT professionals that are on the front lines of establishing compliance in their organizations. The author walks through many areas by asking 'what can go wrong' types of questions, and then outlines actions that should be taken as well as the consequences of noncompliance. This is a good book to add to one's professional library!" —Robert R. Moeller Author, Sarbanes-Oxley and the

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New Internal Auditing Rules "Mr. Anand has compiled a solid overview of the control systems needed for not only accounting systems, but also the information technologies that support those systems. Among the Sarbanes books on the market, his coverage of both topics is unique." —Steven M. Bragg Author, Accounting Best Practices "An excellent overview of the compliance process. A must-read for anyone who needs to get up to speed quickly with Sarbanes-Oxley." —Jack Martin Publisher, Sarbanes-Oxley Compliance Journal This pocket guide will introduce

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you to VeriSM key concepts and the VeriSM model and help you to understand how they can apply in your organization. VeriSM is an approach that offers value-driven, evolving, responsive, and integrated service management. VeriSM is designed to enable organizations and professionals understand how to create a flexible operating model using Governance, Service Management Principles and a Management Mesh to define, produce, provide and respond to consumer requirements for service. VeriSM is essential reading for anyone who works within a service organization. It

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will be of particular interest to:

- *Managers - who want to understand how to leverage evolving management practices;*
- *Service owners and service managers - who need to bring their skills up to date and understand how service management has changed;*
- *Executives - who are accountable for effective service delivery;*
- *Graduates and undergraduates - who will be joining organizations and who need to understand the principles of service management.*

[*VeriSM™ - A Pocket Guide
The Business Model for
Information Security*](#)

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[Configuration Management:](#)

[Using COBIT 5](#)

[Achieving Alignment and Value,](#)

[Featuring COBIT 5](#)

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[Why Businesses Succeed When](#)

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