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Activity-Based Intelligence: Principles and Applications - Patrick Biltgen 2016-01-01
This new resource presents the principles and applications in the emerging discipline of Activity-Based Intelligence (ABI). This book will define, clarify, and demystify the tradecraft of ABI by providing concise definitions, clear examples, and thoughtful discussion. Concepts, methods, technologies, and applications of ABI have been developed by and for the intelligence community and in this book you will gain an understanding of ABI principles and be able to apply them to activity based intelligence analysis. The book is intended for intelligence professionals, researchers, intelligence studies, policy makers, government staffers, and industry representatives. This book will help practicing professionals understand ABI and how it can be applied to real-world problems.

Publications Combined: Studies In Open Source Intelligence (OSINT) And Information - 2019-03-23
Over 1,600 total pages ... CONTENTS: AN OPEN SOURCE APPROACH TO SOCIAL MEDIA DATA GATHERING Open Source Intelligence – Doctrine's Neglected Child (Unclassified) Aggregation Techniques to Characterize Social Networks Open Source Intelligence (OSINT): Issues for Congress A BURNING NEED TO KNOW: THE USE OF OPEN SOURCE INTELLIGENCE IN THE FIRE SERVICE Balancing Social Media with Operations Security (OPSEC) in the 21st Century Sailing the Sea of OSINT in the Information Age Social Media: Valuable Tools in Today's Operational Environment ENHANCING A WEB CRAWLER WITH ARABIC SEARCH CAPABILITY UTILIZING SOCIAL MEDIA TO FURTHER THE NATIONWIDE SUSPICIOUS ACTIVITY REPORTING INITIATIVE THE WHO, WHAT AND HOW OF SOCIAL MEDIA EXPLOITATION FOR A COMBATANT COMMANDER Open Source Cybersecurity for the 21st Century UNAUTHORIZED DISCLOSURE: CAN BEHAVIORAL INDICATORS HELP PREDICT WHO WILL COMMIT UNAUTHORIZED DISCLOSURE OF CLASSIFIED NATIONAL SECURITY INFORMATION? ATP 2-22.9 Open-Source Intelligence NTTP 3-13.3M OPERATIONS SECURITY (OPSEC) FM 2-22.3 HUMAN INTELLIGENCE COLLECTOR OPERATIONS

Intelligence Analysis Fundamentals - Godfrey Garner 2018-08-06
There are a limited number of intelligence analysis books available on the market. Intelligence Analysis Fundamentals is an introductory, accessible text for college level undergraduate and graduate level courses. While the principles outlined in the book largely follow military intelligence terminology and practice, concepts are presented to correlate with intelligence gathering and analysis performed in law enforcement, homeland security, and corporate and business security roles. Most of the existing texts on intelligence gathering and analysis focus on specific types of intelligence such as 'target centric' intelligence, and many of these, detail information from a position of prior knowledge. In other words, they are most valuable to the consumer who has a working-level knowledge of the subject. The

book is general enough in nature that a lay student—interested in pursuing a career in intelligence, Homeland Security, or other related areas of law enforcement—will benefit from it. No prior knowledge of intelligence analysis, functions, or operations is assumed. Chapters illustrate methods and techniques that, over the years, have consistently demonstrate results, superior to those achieved with other means. Chapters describe such analytical methods that are most widely used in the intelligence community and serve as recognized standards and benchmarks in the practice of intelligence analysis. All techniques have been selected for inclusion for their specific application to homeland security, criminal investigations, and intelligence operations. Uses numerous hands-on activities—that can easily be modified by instructors to be more or less challenging depending on the course level—to reinforce concepts As current and active members of the intelligence community, the authors draw on their decades of experience in intelligence to offer real-world examples to illustrate concepts All methodologies reflect the latest trends in the intelligence communities assessment, analysis, and reporting processes with all presented being open source, non-classified information As such, the non-sensitive information presented is appropriate—and methods applicable—for use for education and training overseas and internationally Military-style collection and analysis methods are the primary ones presented, but all are directly correlated intelligence to current concepts, functions and practices within Homeland Security and the law communities Covers the counterterrorism environment where joint operations and investigative efforts combine military, private sector, and law enforcement action and information sharing The book will be a welcome addition to the body of literature available and a widely used reference for professionals and students alike.

Intelligence Arabic - Julie C. Manning 2017-04-28

Contains user-friendly lists of Arabic-English intelligence terms with brief definitionsWhat is the Arabic term for aDouble Agent? How would you say aPlausible Deniability? Can you recognise the phrase 'False-flag Recruitment'? Or aCanary Trap?This short, accessible vocabulary gives you ready-made lists of over 1000 key terms in intelligence Arabic for translating both from and into Arabic and includes brief definitions. It is divided into seven key areas:General termsAnalysisHuman intelligenceOperationsCounterintelligenceSignals intelligenceAcronymsKey featuresPresents a comprehensive list of 1000 intelligence terms searchable in Arabic and English, with brief definitionsTerms are ordered alphabetically in English within each section; an Arabic index eases the search for terms in this language Online audio materials aid learning and help self-assessment

Practical Aviation Security - Jeffrey Price 2016-07-20

Practical Aviation Security: Predicting and Preventing Future Threats, Third Edition is a complete guide to the aviation security system, from crucial historical events to the policies, policymakers, and major terrorist and criminal acts that have shaped the procedures in use today, as well as the cutting edge technologies that are shaping the future. This text equips readers working in airport security or other aviation management roles with the knowledge to implement effective security programs, meet international guidelines, and responsibly protect facilities or organizations of any size. Using case studies and practical security measures now in use at airports worldwide, readers learn the effective methods and the fundamental principles involved in designing and implementing a security system. The aviation security system is comprehensive and requires continual focus and attention to stay a step ahead of the next attack. Practical Aviation Security, Third Edition, helps prepare practitioners to enter the industry and helps seasoned professionals prepare for new threats and prevent new tragedies. Covers commercial airport security, general aviation and cargo operations, threats, threat detection and response systems, as well as international security issues Lays out the security fundamentals that can ensure the future of global travel and commerce Applies real-world aviation experience to the task of anticipating and deflecting threats Includes updated coverage of security related to spaceport and

unmanned aerial systems, focusing on IACO (International Civil Aviation Organization) security regulations and guidance Features additional and updated case studies and much more

Cyberwarfare: Information Operations in a Connected World - Mike Chapple 2021-10-11

Cyberwarfare: Information Operations in a Connected World puts students on the real-world battlefield of cyberspace! It reviews the role that cyberwarfare plays in modern military operations–operations in which it has become almost impossible to separate cyberwarfare from traditional warfare.

A Boy from Barnhart - Herbie R. Taylor 2011-11-09

Everyone has a story to tell, a legacy to leave to both living family and future generations. In his memoir, A Boy from Barnhart: Times Remembered, author Herb Taylor shares his life story and legacy, from his coming of age on large ranches and small towns in West Texas to his subsequent career as a professional army officer. Taylor writes of life and its realities during the drought years of the 1950s. He chronicles the people, places, ideas, and incidents he encountered during a twenty-eight year army career, as well as his struggle with a lifelong alcohol addiction and the death of his childhood sweetheart after a thirty-five year marriage. He writes of the good times and the not so good, the ordinary and the unusual, in a casual, personal, and informative way that captures the times and his life experiences. Equal parts genealogy, history, travelogue, and memoir, Taylor's memories are the emotional account of a life well-lived, as well as an interesting and intricate record of times gone by.

Terrorism, Inc.: The Financing of Terrorism, Insurgency, and Irregular Warfare - Colin P. Clarke Ph.D. 2015-06-01

This in-depth, historical analysis of terrorism investigates the major funding streams of terrorists, insurgents, guerrillas, warlords, militias, and criminal organizations throughout the world as well as the efforts of the international community to thwart their efforts. • Examines the financing of major terrorist organizations such as ISIS, Al Qaeda, Hamas, Hezbollah, the Taliban, and other significant groups • Features maps of key regions and graphs comparing funding streams of various groups • Includes information derived from interviews with expert threat finance practitioners, academics, scholars, and policy professionals • Provides a chronology of critical events

Cyber Security Politics - Myriam Dunn Cavelty 2022-02-16

This book examines new and challenging political aspects of cyber security and presents it as an issue defined by socio-technological uncertainty and political fragmentation. Structured along two broad themes and providing empirical examples for how socio-technical changes and political responses interact, the first part of the book looks at the current use of cyber space in conflictual settings, while the second focuses on political responses by state and non-state actors in an environment defined by uncertainties. Within this, it highlights four key debates that encapsulate the complexities and paradoxes of cyber security politics from a Western perspective – how much political influence states can achieve via cyber operations and what context factors condition the (limited) strategic utility of such operations; the role of emerging digital technologies and how the dynamics of the tech innovation process reinforce the fragmentation of the governance space; how states attempt to uphold stability in cyberspace and, more generally, in their strategic relations; and how the shared responsibility of state, economy, and society for cyber security continues to be re-negotiated in an increasingly trans-sectoral and transnational governance space. This book will be of much interest to students of cyber security, global governance, technology studies, and international relations.

The Ultimate Guide to Understanding Terrorism and Counterterrorism - Dr. Jeffrey C. Fox 2021-07-14

This book is for anyone who is interested in learning about terrorism in all its forms. For over four decades I have studied terrorism, trained to deal with it, dealt with it, and taught it as an academic discipline. Over these decades I have seen an already complicated topic become even more difficult to understand. The field of study has grown as the world has gotten smaller. Ask anyone what terrorism is and you will get a

myriad of answers. Even in academia the topic has become more convoluted. As with crime, there are many theories espoused as to why one commits terrorism and why terrorism exists. It appears to me that many academics, researchers, policymakers, authors, and journalists in general view this topic with a tainted lens based on their own world view. Some act as apologists for terrorists while often doing so in a subtle manner. Some try to expand the definition and concept well beyond the scope that it should be found. I have students who do this all the time. We seem to be living in an emotion driven society instead of a fact driven one. A relatively new trend is to use the word extremist as a synonym for terrorist. There are several problems with this. First, this creates a net widening effect which lumps those who we disagree with in that net. Second, who gets to decide who or what is extreme? Third, and finally, it waters down and muddies the study of "terrorism". This does not mean that an extremist might not become a terrorist. Having pointed out the minefield terrorism can be my goal is to offer an academically sound real-world fact-based explanation on terrorism. Terrorism can be a politically charged topic. I ask that as you read this book you check what is written, digest it, and make your own decisions on what you have read. It is highly likely some of your thinking will be challenged. When I began to teach homeland security which includes terrorism, I made a promise to myself that I would never be politically correct. Political correctness is what some terrorists rely on and is one of our worse habits. We will cover several overarching themes. We will look at what terrorism is and is not. We will explore the historical roots of terrorism. We will discuss the causes of terrorism as well as terrorist typologies. Next, we will examine domestic terrorism and international and ethnic terrorism. Then we will dive into religion and terrorism and spend time looking at Islamic terrorism and Jihad. We will examine asymmetric warfare including terrorists' tactics and weapons of choice. We will discuss terrorist financing an explore counterterrorism.

Countering Terrorism and WMD - Peter Katona 2007-01-24

This volume shows us that in order to deal with today's Fourth Generation asymmetric warfare by terrorist groups using conventional arms and weapons of mass destruction, we need a new 'global networked' approach. The contributors examine the various attempts that have been made to counter the latest wave of terrorism, including the US strikes against Afghanistan and Iraq, President George W. Bush's declaration of a 'war against terrorism', the creation of the US Department of Homeland Security, and the 9/11 Commission. Drawing from our experience with 'Terrorism Early Warning' and the co-production of counter-terrorism intelligence, this book explains the need for such a network and shows how it could be formed. It compiles the opinions of experts from clinical medicine, public policy, law enforcement and the military. These expert contributors identify the nature of a global counter-terrorism network, show how it could be created, and provide clear guidelines for gauging its future effectiveness. This book will be of great interest to all students of terrorism studies, US national security, international relations, and political science in general.

Deception - Robert M. Clark 2018-01-12

Bridging the divide between theory and practice, Deception: Counterdeception and Counterintelligence provides a thorough overview of the principles of deception and its uses in intelligence operations.

Techno Security's Guide to Managing Risks for IT Managers, Auditors, and Investigators - Johnny Long 2011-04-18

"This book contains some of the most up-to-date information available anywhere on a wide variety of topics related to Techno Security. As you read the book, you will notice that the authors took the approach of identifying some of the risks, threats, and vulnerabilities and then discussing the countermeasures to address them. Some of the topics and thoughts discussed here are as new as tomorrow's headlines, whereas others have been around for decades without being properly addressed. I hope you enjoy this book as much as we have enjoyed working with the various authors and friends during its development. —Donald Withers, CEO and Cofounder of TheTrainingCo. • Jack Wiles, on Social Engineering offers up a potpourri of tips, tricks, vulnerabilities, and lessons learned from 30-plus years of experience in the worlds of

both physical and technical security. • Russ Rogers on the Basics of Penetration Testing illustrates the standard methodology for penetration testing: information gathering, network enumeration, vulnerability identification, vulnerability exploitation, privilege escalation, expansion of reach, future access, and information compromise. • Johnny Long on No Tech Hacking shows how to hack without touching a computer using tailgating, lock bumping, shoulder surfing, and dumpster diving. • Phil Drake on Personal, Workforce, and Family Preparedness covers the basics of creating a plan for you and your family, identifying and obtaining the supplies you will need in an emergency. • Kevin O'Shea on Seizure of Digital Information discusses collecting hardware and information from the scene. • Amber Schroader on Cell Phone Forensics writes on new methods and guidelines for digital forensics. • Dennis O'Brien on RFID: An Introduction, Security Issues, and Concerns discusses how this well-intended technology has been eroded and used for fringe implementations. • Ron Green on Open Source Intelligence details how a good Open Source Intelligence program can help you create leverage in negotiations, enable smart decisions regarding the selection of goods and services, and help avoid pitfalls and hazards. • Raymond Blackwood on Wireless Awareness: Increasing the Sophistication of Wireless Users maintains it is the technologist's responsibility to educate, communicate, and support users despite their lack of interest in understanding how it works. • Greg Kipper on What is Steganography? provides a solid understanding of the basics of steganography, what it can and can't do, and arms you with the information you need to set your career path. • Eric Cole on Insider Threat discusses why the insider threat is worse than the external threat and the effects of insider threats on a company. Internationally known experts in information security share their wisdom Free pass to Techno Security Conference for everyone who purchases a book—$1,200 value

The New Craft of Intelligence, Personal, Public, & Political - Robert David Steele 2002

Tactical Intelligence In The Army Of The Potomac During The Overland Campaign - Major Todd T. Morgan 2014-08-15

This study examines how Lieutenant General Ulysses S. Grant and the Army of the Potomac used tactical intelligence during the Overland Campaign. Although Grant did not achieve his operational objective to defeat General Robert E. Lee in the field, tactical intelligence allowed him to continue the operational maneuver of the Army of the Potomac, which later contributed to the eventual defeat of Lee in April of 1865. The examination of tactical intelligence in the Army of the Potomac covers the period of 4 May to 12 June 1864. It encompasses campaign planning and preparation, as well as the battles of the Wilderness, Spotsylvania Court House, North Anna River, and Cold Harbor. The study combines a general contextual overview of the campaign and battles with a focused discussion and analysis of tactical intelligence collection and use. The study also includes background discussion of influences that contributed to the lack of intelligence functions in the War Department and the Union Army, the intelligence organizations that emerged in the Army of the Potomac, and description of the primary forms and methods of tactical intelligence collection used during the campaign.

The NICE Cyber Security Framework - Izzat Alsmadi 2019-01-24

This textbook is for courses in cyber security education that follow National Initiative for Cybersecurity Education (NICE) KSAs work roles and framework, that adopt the Competency-Based Education (CBE) method. The book follows the CBT (KSA) general framework, meaning each chapter contains three sections, knowledge and questions, and skills/labs for Skills and Abilities. The author makes an explicit balance between knowledge and skills material in information security, giving readers immediate applicable skills. The book is divided into seven parts: Securely Provision; Operate and Maintain; Oversee and Govern; Protect and Defend; Analysis; Operate and Collect; Investigate. All classroom materials (in the book an ancillary) adhere to the NICE framework. Mirrors classes set up by the National Initiative for Cybersecurity Education (NICE) Adopts the Competency-Based Education

(CBE) method of teaching, used by universities, corporations, and in government training Includes content and ancillaries that provide skill-based instruction on compliance laws, information security standards, risk response and recovery, and more

Evaluating Media Richness in Organizational Learning - Gyamfi, Albert 2017-08-14

The application of emerging multimedia innovations can significantly benefit organizations across different sectors. These tools aid in increasing competitive advantage and optimizing knowledge management. Evaluating Media Richness in Organizational Learning is an essential reference source for the latest scholarly research on the application of computational tools for knowledge management frameworks and strategies in organizations. Featuring a broad range of coverage on topics and perspectives such as web semantics, product innovation, and knowledge sharing, this book is ideally designed for researchers, consultants, practitioners, professionals, and upper-level students seeking current information on ways to facilitate business innovation and achieve competitive advantage.

Digital Forensics and Incident Response - Gerard Johansen 2022-12-16

Build your organization's cyber defense system by effectively applying digital forensics, incident management, and investigation techniques to real-world cyber threats Key Features Create a solid incident response framework and manage cyber incidents effectively Learn to apply digital forensics tools and techniques to investigate cyber threats Explore the real-world threat of ransomware and apply proper incident response techniques for investigation and recovery Book Description An understanding of how digital forensics integrates with the overall response to cybersecurity incidents is key to securing your organization's infrastructure from attacks. This updated third edition will help you perform cutting-edge digital forensic activities and incident response with a new focus on responding to ransomware attacks. After covering the fundamentals of incident response that are critical to any information security team, you'll explore incident response frameworks. From understanding their importance to creating a swift and effective response to security incidents, the book will guide you using examples. Later, you'll cover digital forensic techniques, from acquiring evidence and examining volatile memory through to hard drive examination and network-based evidence. You'll be able to apply these techniques to the current threat of ransomware. As you progress, you'll discover the role that threat intelligence plays in the incident response process. You'll also learn how to prepare an incident response report that documents the findings of your analysis. Finally, in addition to various incident response activities, the book will address malware analysis and demonstrate how you can proactively use your digital forensic skills in threat hunting. By the end of this book, you'll be able to investigate and report unwanted security breaches and incidents in your organization. What you will learn Create and deploy an incident response capability within your own organization Perform proper evidence acquisition and handling Analyze the evidence collected and determine the root cause of a security incident Integrate digital forensic techniques and procedures into the overall incident response process Understand different techniques for threat hunting Write incident reports that document the key findings of your analysis Apply incident response practices to ransomware attacks Leverage cyber threat intelligence to augment digital forensics findings Who this book is for This book is for cybersecurity and information security professionals who want to implement digital forensics and incident response in their organizations. You'll also find the book helpful if you're new to the concept of digital forensics and looking to get started with the fundamentals. A basic understanding of operating systems and some knowledge of networking fundamentals are required to get started with this book.

Intelligence Cooperation and the War on Terror - Adam D.M. Svendsen 2009-10-16

This book provides an in-depth analysis of UK-US intelligence cooperation in the post-9/11 world. Seeking to connect an analysis of intelligence liaison with the wider realm of Anglo-American Relations, the book draws on a wide range of interviews and consultations with key actors in both countries. The book is centred

around two critical and empirical case studies, focusing on the interactions on the key issues of counterterrorism and weapons of mass destruction (WMD) counter-proliferation. These case studies provide substantive insights into a range of interactions such as 9/11, the 7/7 London bombings, the A.Q. Khan nuclear network, the prelude to the 2003 Iraq War, extraordinary rendition and special forces deployments. Drawing on over 60 interviews conducted in the UK and US with prominent decision-makers and practitioners, these issues are examined in the contemporary historical context, with the main focus being on the years 2000-05. This book will be of much interest to students of intelligence studies, foreign policy, security studies and International Relations in general. Adam Svendsen has a Phd in International History from the University of Warwick. He has been a Visiting Scholar at the Center for Peace and Security Studies, Georgetown University, and has contributed to the International Security Programme at Chatham House and to the work of IISS, London.

Understanding the Globalization of Intelligence - A. Svendsen 2012-08-30

In this concise introduction to the complexities of contemporary western intelligence and its dynamics during an era of globalization, Adam Svendsen discusses intelligence cooperation in the early 21st century, with a sharp focus on counter-terrorism and WMD counter-proliferation during the 'War on Terror.'

Intelligence Threat Handbook - DIANE Publishing Company 1996

Provides an unclassified reference handbook which explains the categories of intelligence threat, provides an overview of worldwide threats in each category, and identifies available resources for obtaining threat information. Contents: intelligence collection activities and disciplines (computer intrusion, etc.); adversary foreign intelligence operations (Russian, Chinese, Cuban, North Korean and Romanian); terrorist intelligence operations; economic collections directed against the U.S. (industrial espionage); open source collection; the changing threat and OPSEC programs.

Practical Social Engineering - Joe Gray 2022-06-14

A guide to hacking the human element. Even the most advanced security teams can do little to defend against an employee clicking a malicious link, opening an email attachment, or revealing sensitive information in a phone call. Practical Social Engineering will help you better understand the techniques behind these social engineering attacks and how to thwart cyber criminals and malicious actors who use them to take advantage of human nature. Joe Gray, an award-winning expert on social engineering, shares case studies, best practices, open source intelligence (OSINT) tools, and templates for orchestrating and reporting attacks so companies can better protect themselves. He outlines creative techniques to trick users out of their credentials, such as leveraging Python scripts and editing HTML files to clone a legitimate website. Once you've succeeded in harvesting information about your targets with advanced OSINT methods, you'll discover how to defend your own organization from similar threats. You'll learn how to: Apply phishing techniques like spoofing, squatting, and standing up your own web server to avoid detection Use OSINT tools like Recon-ng, theHarvester, and Hunter Capture a target's information from social media Collect and report metrics about the success of your attack Implement technical controls and awareness programs to help defend against social engineering Fast-paced, hands-on, and ethically focused, Practical Social Engineering is a book every pentester can put to use immediately.

Strategic Cyber Security - Kenneth Geers 2011

The Art of Attack - Maxie Reynolds 2021-07-08

Take on the perspective of an attacker with this insightful new resource for ethical hackers, pentesters, and social engineers In The Art of Attack: Attacker Mindset for Security Professionals, experienced physical pentester and social engineer Maxie Reynolds untangles the threads of a useful, sometimes dangerous, mentality. The book shows ethical hackers, social engineers, and pentesters what an attacker mindset is and how to use it to their advantage. Adopting this mindset will result in the improvement of security, offensively and defensively, by allowing you to see your environment objectively through the eyes of an

attacker. The book shows you the laws of the mindset and the techniques attackers use, from persistence to “start with the end” strategies and non-linear thinking, that make them so dangerous. You’ll discover: A variety of attacker strategies, including approaches, processes, reconnaissance, privilege escalation, redundant access, and escape techniques The unique tells and signs of an attack and how to avoid becoming a victim of one What the science of psychology tells us about amygdala hijacking and other tendencies that you need to protect against Perfect for red teams, social engineers, pentesters, and ethical hackers seeking to fortify and harden their systems and the systems of their clients, The Art of Attack is an invaluable resource for anyone in the technology security space seeking a one-stop resource that puts them in the mind of an attacker.

Taking Intelligence Analysis to the Next Level - Patrick McGlynn 2022-09-15

Taking Intelligence to the Next Level: Advanced Intelligence Analysis Methodologies Using Real-World Business, Crime, Military, and Terrorism Examples examines intelligence gathering and analysis and the significance of these programs. Coverage assumes a basic understanding of the intelligence cycle and processes, and the book builds upon the author’s previous text, Intelligence Analysis Fundamentals—also published by CRC Press—to further address various types of intelligence, the function and increasing usage of intelligence in both the private and public sectors, and the consumption of intelligence products to inform strategic decision-making. Developed for a classroom environment, chapters are packed with multiple examples, visuals, and practical exercises tailored for the intelligence community (IC), military intelligence analyst, criminal, or business analyst alike. The text begins with a chapter on analytical ethics, an important topic that sets the tone for those to come that cover intelligence gathering analytical techniques. The author utilizes multiple instructive learning approaches to build on the student’s existing analytical skills gained from other training resources, their experience, or some other combination. While topics covered are germane to all intelligence analysis fields—including military, national, political, criminal, and business—specific chapters and sections and most instructional examples, scenarios, exercises, and learning activities focus on the Homeland Security Mission and the associated problem sets. The training presentation methods and instructional approaches are the product of much thought, research, and discussion, and a variety of US government and commercial analytical training methodologies are presented. The book closes with a final chapter looking at future trends in intelligence analysis. Key Features: Provides tools to challenge intelligence assessments systematically and objectively, a prerequisite to vetted intelligence conclusions Outlines diagnostic techniques to explain events or data sets, anticipate potential outcomes, predict future trends, and make decisions for optimal outcomes Details how to conduct research to effectively write, edit, format, and disseminate reports to best effect An accompany Instructor’s Guide, for use in the classroom, contains the same practical exercises as those found in the student text, as well as facilitator’s guides, practical exercise solutions, discussion points, sample test questions, and answer keys, to include other websites that can provide additional instructional content. Taking Intelligence to the Next Level serves as an essential course textbook for programs in intelligence, terrorism, and Homeland Security in additional to serving a useful reference for practiving professionals. Ancillaries including PowerPoint lecture slides, as well as the Instructor’s Guide with Test Bank, are available for qualified course adopters.

Joint and National Intelligence Support to Military Operations - T. J. Keating 2011-04

Establishes guidance on the provision of joint and national intelligence products, services, and support to military operations. Describes the org. of joint intelligence forces and the national Intelligence Community, intelligence responsibilities, command relationships, and national intelligence support mechanisms. Provides info. regarding the fundamentals of intelligence operations and the intelligence process, discusses how intelligence supports joint and multinational planning, and describes intelligence dissemination via the global info. grid. Provides military guidance for the exercise of authority by combatant commanders and

other joint force commanders. Illustrations. A print on demand edition of a hard to find report.

Practical Threat Intelligence and Data-Driven Threat Hunting - Valentina Costa-Gazcon 2021-02-12

Get to grips with cyber threat intelligence and data-driven threat hunting while exploring expert tips and techniques Key FeaturesSet up an environment to centralize all data in an Elasticsearch, Logstash, and Kibana (ELK) server that enables threat huntingCarry out atomic hunts to start the threat hunting process and understand the environmentPerform advanced hunting using MITRE ATT&CK Evals emulations and Mordor datasetsBook Description Threat hunting (TH) provides cybersecurity analysts and enterprises with the opportunity to proactively defend themselves by getting ahead of threats before they can cause major damage to their business. This book is not only an introduction for those who don't know much about the cyber threat intelligence (CTI) and TH world, but also a guide for those with more advanced knowledge of other cybersecurity fields who are looking to implement a TH program from scratch. You will start by exploring what threat intelligence is and how it can be used to detect and prevent cyber threats. As you progress, you'll learn how to collect data, along with understanding it by developing data models. The book will also show you how to set up an environment for TH using open source tools. Later, you will focus on how to plan a hunt with practical examples, before going on to explore the MITRE ATT&CK framework. By the end of this book, you'll have the skills you need to be able to carry out effective hunts in your own environment. What you will learnUnderstand what CTI is, its key concepts, and how it is useful for preventing threats and protecting your organizationExplore the different stages of the TH processModel the data collected and understand how to document the findingsSimulate threat actor activity in a lab environmentUse the information collected to detect breaches and validate the results of your queriesUse documentation and strategies to communicate processes to senior management and the wider businessWho this book is for If you are looking to start out in the cyber intelligence and threat hunting domains and want to know more about how to implement a threat hunting division with open-source tools, then this cyber threat intelligence book is for you.

Attribution of Advanced Persistent Threats - Timo Steffens 2020-07-20

An increasing number of countries develop capabilities for cyber-espionage and sabotage. The sheer number of reported network compromises suggests that some of these countries view cyber-means as integral and well-established elements of their strategical toolbox. At the same time the relevance of such attacks for society and politics is also increasing. Digital means were used to influence the US presidential election in 2016, repeatedly led to power outages in Ukraine, and caused economic losses of hundreds of millions of dollars with a malfunctioning ransomware. In all these cases the question who was behind the attacks is not only relevant from a legal perspective, but also has a political and social dimension. Attribution is the process of tracking and identifying the actors behind these cyber-attacks. Often it is considered an art, not a science. This book systematically analyses how hackers operate, which mistakes they make, and which traces they leave behind. Using examples from real cases the author explains the analytic methods used to ascertain the origin of Advanced Persistent Threats.

Intelligence Analysis Fundamentals - Godfrey Garner 2018-08-06

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book is general enough in nature that a lay student—interested in pursuing a career in intelligence, Homeland Security, or other related areas of law enforcement—will benefit from it. No prior knowledge of intelligence analysis, functions, or operations is assumed. Chapters illustrate methods and techniques that, over the years, have consistently demonstrate results, superior to those achieved with other means. Chapters describe such analytical methods that are most widely used in the intelligence community and serve as recognized standards and benchmarks in the practice of intelligence analysis. All techniques have been selected for inclusion for their specific application to homeland security, criminal investigations, and intelligence operations. Uses numerous hands-on activities—that can easily be modified by instructors to be more or less challenging depending on the course level—to reinforce concepts As current and active members of the intelligence community, the authors draw on their decades of experience in intelligence to offer real-world examples to illustrate concepts All methodologies reflect the latest trends in the intelligence communities assessment, analysis, and reporting processes with all presented being open source, non-classified information As such, the non-sensitive information presented is appropriate—and methods applicable—for use for education and training overseas and internationally Military-style collection and analysis methods are the primary ones presented, but all are directly correlated intelligence to current concepts, functions and practices within Homeland Security and the law communities Covers the counterterrorism environment where joint operations and investigative efforts combine military, private sector, and law enforcement action and information sharing The book will be a welcome addition to the body of literature available and a widely used reference for professionals and students alike.

Hunting Cyber Criminals - Vinny Troia 2020-02-11

The skills and tools for collecting, verifying and correlating information from different types of systems is an essential skill when tracking down hackers. This book explores Open Source Intelligence Gathering (OSINT) inside out from multiple perspectives, including those of hackers and seasoned intelligence experts. OSINT refers to the techniques and tools required to harvest publicly available data concerning a person or an organization. With several years of experience of tracking hackers with OSINT, the author whips up a classical plot-line involving a hunt for a threat actor. While taking the audience through the thrilling investigative drama, the author immerses the audience with in-depth knowledge of state-of-the-art OSINT tools and techniques. Technical users will want a basic understanding of the Linux command line in order to follow the examples. But a person with no Linux or programming experience can still gain a lot from this book through the commentaries. This book’s unique digital investigation proposition is a combination of story-telling, tutorials, and case studies. The book explores digital investigation from multiple angles: Through the eyes of the author who has several years of experience in the subject. Through the mind of the hacker who collects massive amounts of data from multiple online sources to identify targets as well as ways to hit the targets. Through the eyes of industry leaders. This book is ideal for: Investigation professionals, forensic analysts, and CISO/CIO and other executives wanting to understand the mindset of a hacker and how seemingly harmless information can be used to target their organization. Security analysts, forensic investigators, and SOC teams looking for new approaches on digital investigations from the perspective of collecting and parsing publicly available information. CISOs and defense teams will find this book useful because it takes the perspective of infiltrating an organization from the mindset of a hacker. The commentary provided by outside experts will also provide them with ideas to further protect their organization’s data.

The Basics of Cyber Warfare - Steve Winterfeld 2012-12-28

The Basics of Cyber Warfare provides readers with fundamental knowledge of cyber war in both theoretical and practical aspects. This book explores the principles of cyber warfare, including military and cyber doctrine, social engineering, and offensive and defensive tools, tactics and procedures, including computer

network exploitation (CNE), attack (CNA) and defense (CND). Readers learn the basics of how to defend against espionage, hacking, insider threats, state-sponsored attacks, and non-state actors (such as organized criminals and terrorists). Finally, the book looks ahead to emerging aspects of cyber security technology and trends, including cloud computing, mobile devices, biometrics and nanotechnology. The Basics of Cyber Warfare gives readers a concise overview of these threats and outlines the ethics, laws and consequences of cyber warfare. It is a valuable resource for policy makers, CEOs and CIOs, penetration testers, security administrators, and students and instructors in information security. Provides a sound understanding of the tools and tactics used in cyber warfare. Describes both offensive and defensive tactics from an insider's point of view. Presents doctrine and hands-on techniques to understand as cyber warfare evolves with technology.

Cyber Warfare - Jason Andress 2013-10-01
Cyber Warfare, Second Edition, takes a comprehensive look at how and why digital warfare is waged. The book explores the participants, battlefields, and the tools and techniques used in today's digital conflicts. The concepts discussed gives students of information security a better idea of how cyber conflicts are carried out now, how they will change in the future, and how to detect and defend against espionage, hacktivism, insider threats and non-state actors such as organized criminals and terrorists. This book provides concrete examples and real-world guidance on how to identify and defend a network against malicious attacks. It probes relevant technical and factual information from an insider's point of view, as well as the ethics, laws and consequences of cyber war and how computer criminal law may change as a result. Logical, physical, and psychological weapons used in cyber warfare are discussed. This text will appeal to information security practitioners, network security administrators, computer system administrators, and security analysts. Provides concrete examples and real-world guidance on how to identify and defend your network against malicious attacks Dives deeply into relevant technical and factual information from an insider's point of view Details the ethics, laws and consequences of cyber war and how computer criminal law may change as a result

The Tao of Open Source Intelligence - Stewart Bertram 2015-04-23
OSINT is a rapidly evolving approach to intelligence collection, and its wide application makes it a useful methodology for numerous practices, including within the criminal investigation community.The Tao of Open Source Intelligence is your guide to the cutting edge of this information collection capability.

Advances in Cyber Security - Nibras Abdullah 2021-12-02
This book presents refereed proceedings of the Third International Conference on Advances in Cyber Security, ACeS 2021, held in Penang, Malaysia, in August 2021. The 36 full papers were carefully reviewed and selected from 92 submissions. The papers are organized in the following topical sections: Internet of Things, Industry 4.0 and Blockchain, and Cryptology; Digital Forensics and Surveillance, Botnet and Malware, DDoS, and Intrusion Detection/Prevention; Ambient Cloud and Edge Computing, SDN, Wireless and Cellular Communication; Governance, Social Media, Mobile and Web, Data Privacy, Data Policy and Fake News.

Practical Cyber Intelligence - Wilson Bautista 2018-03-29
Your one stop solution to implement a Cyber Defense Intelligence program in to your organisation. Key Features Intelligence processes and procedures for response mechanisms Master F3EAD to drive processes based on intelligence Threat modeling and intelligent frameworks Case studies and how to go about building intelligent teams Book Description Cyber intelligence is the missing link between your cyber defense operation teams, threat intelligence, and IT operations to provide your organization with a full spectrum of defensive capabilities. This book kicks off with the need for cyber intelligence and why it is required in terms of a defensive framework. Moving forward, the book provides a practical explanation of the F3EAD protocol with the help of examples. Furthermore, we learn how to go about threat models and intelligence products/frameworks and apply them to real-life

scenarios. Based on the discussion with the prospective author I would also love to explore the induction of a tool to enhance the marketing feature and functionality of the book. By the end of this book, you will be able to boot up an intelligence program in your organization based on the operation and tactical/strategic spheres of Cyber defense intelligence. What you will learn Learn about the Observe-Orient-Decide-Act (OODA) loop and it's applicability to security Understand tactical view of Active defense concepts and their application in today's threat landscape Get acquainted with an operational view of the F3EAD process to drive decision making within an organization Create a Framework and Capability Maturity Model that integrates inputs and outputs from key functions in an information security organization Understand the idea of communicating with the Potential for Exploitability based on cyber intelligence Who this book is for This book targets incident managers, malware analysts, reverse engineers, digital forensics specialists, and intelligence analysts; experience in, or knowledge of, security operations, incident responses or investigations is desirable so you can make the most of the subjects presented.

The Five Disciplines of Intelligence Collection - Mark M. Lowenthal 2015-01-14

Leading intelligence experts Mark M. Lowenthal and Robert M. Clark bring you an all new, groundbreaking title. The Five Disciplines of Intelligence Collection describes, in non-technical terms, the definition, history, process, management, and future trends of each intelligence collection source (INT). Authoritative and non-polemical, this book is the perfect teaching tool for classes addressing various types of collection. Chapter authors are past or current senior practitioners of the INT they discuss, providing expert assessment of ways particular types of collection fit within the larger context of the U.S. Intelligence Community.

Intelligence Collection: How To Plan and Execute Intelligence Collection In Complex Environments - Wayne Michael Hall 2012-06-06

This book examines the theoretical and conceptual foundation of effective modern intelligence collection—the strategies required to support intelligence analysis of the modern, complex operational environments of today's military conflicts or competitive civilian situations such as business.

Global Information Warfare - Andrew Jones 2002-06-19

Like no other book before it, Global Information Warfare illustrates the relationships and interdependencies of business and national objectives, of companies and countries, and of their dependence on advances in technology. This book sheds light on the "Achilles heel" that these dependencies on advanced computing and information technologies creat

Operationalizing Threat Intelligence - Kyle Wilhoit 2022-06-17

Learn cyber threat intelligence fundamentals to implement and operationalize an organizational intelligence program Key Features Develop and implement a threat intelligence program from scratch Discover techniques to perform cyber threat intelligence, collection, and analysis using open-source tools Leverage a combination of theory and practice that will help you prepare a solid foundation for operationalizing threat intelligence programs Book Description We're living in an era where cyber threat intelligence is becoming more important. Cyber threat intelligence routinely informs tactical and strategic decision-making throughout organizational operations. However, finding the right resources on the fundamentals of operationalizing a threat intelligence function can be challenging, and that's where this book helps. In Operationalizing Threat Intelligence, you'll explore cyber threat intelligence in five fundamental areas: defining threat intelligence, developing threat intelligence, collecting threat intelligence, enrichment and analysis, and finally production of threat intelligence. You'll start by finding out what threat intelligence is and where it can be applied. Next, you'll discover techniques for performing cyber threat intelligence collection and analysis using open source tools. The book also examines commonly used frameworks and policies as well as fundamental operational security concepts. Later, you'll focus on enriching and analyzing threat intelligence through pivoting and threat hunting. Finally, you'll examine detailed mechanisms for the production of intelligence.

By the end of this book, you'll be equipped with the right tools and understand what it takes to operationalize your own threat intelligence function, from collection to production. What you will learn Discover types of threat actors and their common tactics and techniques Understand the core tenets of cyber threat intelligence Discover cyber threat intelligence policies, procedures, and frameworks Explore the fundamentals relating to collecting cyber threat intelligence Understand fundamentals about threat intelligence enrichment and analysis Understand what threat hunting and pivoting are, along with examples Focus on putting threat intelligence into production Explore techniques for performing threat analysis, pivoting, and hunting Who this book is for This book is for cybersecurity professionals, security analysts, security enthusiasts, and anyone who is just getting started and looking to explore threat intelligence in more detail. Those working in different security roles will also be able to explore threat intelligence with the help of this security book.

Introduction to Intelligence Studies - Carl J. Jensen, III 2022-09-15

Introduction to Intelligence Studies (third edition) provides an overview of the US intelligence community, to include its history, organization, and function. Since the attacks of 9/11, the United States Intelligence Community (IC) has undergone an extensive overhaul. This textbook provides a comprehensive overview of intelligence and security issues, defining critical terms and reviewing the history of intelligence as practiced in the United States. Designed in a practical sequence, the book begins with the basics of intelligence, progresses through its history, describes best practices, and explores the way the intelligence community looks and operates today. The authors examine the "pillars" of the American intelligence system—collection, analysis, counterintelligence, and covert operations—and demonstrate how these work together to provide "decision advantage." The book offers equal treatment to the functions of the intelligence world—balancing coverage on intelligence collection, counterintelligence, information management, critical thinking, and decision-making. It also covers such vital issues as laws and ethics, writing and briefing for the intelligence community, and the emerging threats and challenges that intelligence professionals will face in the future. This revised and updated third edition addresses issues such as the growing influence of Russia and China, the recent history of the Trump and Biden administrations and the IC, and the growing importance of the cyber world in the intelligence enterprise. This book will be essential reading for students of intelligence studies, US national security, foreign policy and International Relations in general.