# BUILDING AN INTELLIGENCE-LED SECURITY PROGRAM



# **Building An Intelligence Led Security Program**

Richard O. Moore, III

# **Building An Intelligence Led Security Program:**

Building an Intelligence-Led Security Program Allan Liska, 2014-12-08 As recently as five years ago securing a network meant putting in a firewall intrusion detection system and installing antivirus software on the desktop Unfortunately attackers have grown more nimble and effective meaning that traditional security programs are no longer effective Today s effective cyber security programs take these best practices and overlay them with intelligence Adding cyber threat intelligence can help security teams uncover events not detected by traditional security platforms and correlate seemingly disparate events across the network Properly implemented intelligence also makes the life of the security practitioner easier by helping him more effectively prioritize and respond to security incidents. The problem with current efforts is that many security practitioners don t know how to properly implement an intelligence led program or are afraid that it is out of their budget Building an Intelligence Led Security Program is the first book to show how to implement an intelligence led program in your enterprise on any budget It will show you how to implement a security information a security information and event management system collect and analyze logs and how to practice real cyber threat intelligence You ll learn how to understand your network in depth so that you can protect it in the best possible way Provides a roadmap and direction on how to build an intelligence led information security program to protect your company Learn how to understand your network through logs and client monitoring so you can effectively evaluate threat intelligence Learn how to use popular tools such as BIND SNORT squid STIX TAXII CyBox and splunk to conduct network intelligence How to Define and Build an Effective Cyber Threat Intelligence Capability Henry Dalziel, 2014-12-05 Intelligence Led Security How to Understand Justify and Implement a New Approach to Security is a concise review of the concept of Intelligence Led Security Protecting a business including its information and intellectual property physical infrastructure employees and reputation has become increasingly difficult Online threats come from all sides internal leaks and external adversaries domestic hacktivists and overseas cybercrime syndicates targeted threats and mass attacks And these threats run the gamut from targeted to indiscriminate to entirely accidental Among thought leaders and advanced organizations the consensus is now clear Defensive security measures antivirus software firewalls and other technical controls and post attack mitigation strategies are no longer sufficient To adequately protect company assets and ensure business continuity organizations must be more proactive Increasingly this proactive stance is being summarized by the phrase Intelligence Led Security the use of data to gain insight into what can happen who is likely to be involved how they are likely to attack and if possible to predict when attacks are likely to come In this book the authors review the current threat scape and why it requires this new approach offer a clarifying definition of what Cyber Threat Intelligence is describe how to communicate its value to business and lay out concrete steps toward implementing Intelligence Led Security Learn how to create a proactive strategy for digital security Use data analysis and threat forecasting to predict and prevent attacks before they start Understand the

fundamentals of today s threatscape and how best to organize your defenses Creating an Information Security Program from Scratch Walter Williams, 2021-09-14 This book is written for the first security hire in an organization either an individual moving into this role from within the organization or hired into the role More and more organizations are realizing that information security requires a dedicated team with leadership distinct from information technology and often the people who are placed into those positions have no idea where to start or how to prioritize There are many issues competing for their attention standards that say do this or do that laws regulations customer demands and no guidance on what is actually effective This book offers guidance on approaches that work for how you prioritize and build a comprehensive information security program that protects your organization While most books targeted at information security professionals explore specific subjects with deep expertise this book explores the depth and breadth of the field Instead of exploring a technology such as cloud security or a technique such as risk analysis this book places those into the larger context of how to meet an organization s needs how to prioritize and what success looks like Guides to the maturation of practice are offered along with pointers for each topic on where to go for an in depth exploration of each topic Unlike more typical books on information security that advocate a single perspective this book explores competing perspectives with an eye to providing the pros and cons of the different approaches and the implications of choices on implementation and on maturity as often a choice on an approach needs to change as an organization grows and matures **An Introduction to Safety and Security Intelligence Science** Bing Wang, Chao Wu, 2025-08-20 This book is dedicated to the introduction and research on safety and security intelligence science It is the first time to put forward the idea of intelligence led safety management which demonstrates distinct interdisciplinary characteristics It caters to the needs of safety and safety intelligence in the era of big security and big intelligence and enhances the academic value of safety intelligence research Whether you are engaged in practical work or scientific research on safety and intelligence or are interested in issues about safety and intelligence this academic book will prove to be a worthy collection 2021 International Conference on Applications and Techniques in Cyber Intelligence Jemal Abawajy, Zheng Xu, Mohammed Atiguzzaman, Xiaolu Zhang, 2021-06-23 This book presents innovative ideas cutting edge findings and novel techniques methods and applications in a broad range of cybersecurity and cyberthreat intelligence areas As our society becomes smarter there is a corresponding need to secure our cyberfuture The book describes approaches and findings that are of interest to business professionals and governments seeking to secure our data and underpin infrastructures as well as to individual users **Intelligence-Based Security in Private Industry** Thomas A. Trier, 2015-06-22 In Intelligence Based Security in Private Industry Thomas A Trier identifies the inherent need and desire for intelligence based security that exists throughout the private security industry He provides a general overview of intelligence based security and specific implementation guidelines to reduce private businesses risk and vulnerability to criminal activities This book is practical and informational demonstrating real applications of the concepts theories and

methods of gathering and acting upon information that may suggest a threat to a company It explains the difference between risk assessments vulnerability assessments and threat assessments defines external and internal threats and outlines how strategies to address either form of threat differ It also establishes an outline of four key parts to an effective intelligence program assessment evaluation analysis and mitigation Trier illustrates concepts and strategies with specific examples of his past experiences using and developing intelligence based plans to improve security systems He provides these case studies as guides to developing similar programs in your company because as he points out any capable adversary with the intent to attack also is running its own intelligence program Using in house intelligence based security can make you better prepared against physical and virtual threats ranging from theft of goods to identity theft It allows you to have more critical information at hand prior to a possible incident and to make more informed decisions in anticipation of or response to threats Intelligence Based Security in Private Industry shows you how to acquire this information and how to use it for your protection Intelligence-Driven Incident Response Scott | Roberts, Rebekah Brown, 2017-08-21 Using a well conceived incident response plan in the aftermath of an online security breach enables your team to identify attackers and learn how they operate But only when you approach incident response with a cyber threat intelligence mindset will you truly understand the value of that information With this practical guide you ll learn the fundamentals of intelligence analysis as well as the best ways to incorporate these techniques into your incident response process Each method reinforces the other threat intelligence supports and augments incident response while incident response generates useful threat intelligence This book helps incident managers malware analysts reverse engineers digital forensics specialists and intelligence analysts understand implement and benefit from this relationship In three parts this in depth book includes The fundamentals get an introduction to cyber threat intelligence the intelligence process the incident response process and how they all work together Practical application walk through the intelligence driven incident response IDIR process using the F3EAD process Find Fix Finish Exploit Analyze and Disseminate The way forward explore big picture aspects of IDIR that go beyond individual incident response investigations including intelligence team building **Intelligence-Driven Incident Response** Rebekah Brown, Scott J. Roberts, 2023-06-13 Using a well conceived incident response plan in the aftermath of an online security breach enables your team to identify attackers and learn how they operate But only when you approach incident response with a cyber threat intelligence mindset will you truly understand the value of that information In this updated second edition you ll learn the fundamentals of intelligence analysis as well as the best ways to incorporate these techniques into your incident response process Each method reinforces the other threat intelligence supports and augments incident response while incident response generates useful threat intelligence This practical guide helps incident managers malware analysts reverse engineers digital forensics specialists and intelligence analysts understand implement and benefit from this relationship In three parts this in depth book includes The fundamentals Get an introduction to cyberthreat

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