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## The Real Cost of Insecure Software

- In 1996, software defects in a Boeing 757 caused a crash that killed 70 people...
- In 2003, a software vulnerability helped cause the largest U.S. power outage in decades...
- In 2004, known

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software weaknesses let a hacker invade T-Mobile, capturing everything from passwords to Paris Hilton ' s photos... • In 2005, 23,900 Toyota Priuses were recalled for software errors that could cause the cars to shut down at highway

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speeds... • In 2006 dubbed “ The Year of Cybercrime, ” 7,000 software vulnerabilities were discovered that hackers could use to access private information... • In 2007, operatives in two nations brazenly exploited software

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vulnerabilities to cripple the infrastructure and steal trade secrets from other sovereign nations... Software has become crucial to the very survival of civilization. But badly written, insecure software is hurting

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people—and costing businesses and individuals billions of dollars every year. This must change. In *Geekonomics*, David Rice shows how we can change it. Rice reveals why the software industry is rewarded for carelessness, and

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how we can revamp the industry ' s incentives to get the reliability and security we desperately need and deserve. You ' ll discover why the software industry still has shockingly little accountability—and what we must do to fix that.

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Brilliantly written, utterly compelling, and thoroughly realistic, Geekonomics is a long-overdue call to arms. Whether you 're software user, decision maker, employee, or business owner this book will change your life...or even save it.



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## Publisher Description

The book has two parts and contains fifteen chapters. First part discussed the theories and foundations of information security. Second part covers the technologies and application of

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security.

CompTIA Security+ Study Guide  
(Exam SY0-601)

Digital Crime and Forensic Science  
in Cyberspace

Infosec Rock Star  
Study Guide

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Offensive Countermeasures  
Protecting Mobile Devices and their  
Applications  
Foundations, Technologies and  
Applications  
The Emerald Tablet—an ancient  
document that contains the essence

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of the alchemical teachings—has had an important influence on many Western spiritual and religious traditions. Ostensibly concerned with turning base metals into gold, alchemy was in fact dedicated to transforming the lead of self into the

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gold of spirit. This brilliant history of alchemy traces its sources back to ancient Egypt, and presents alchemy as a useful, practical system of self-transformation. Each of the seven steps of alchemical transformation is explained, with

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hands-on techniques and exercises, treating alchemy as a living discipline for achieving a spiritual awakening.

Learn how to hack systems like black hat hackers and secure them like security experts

## Key Features

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Understand how computer systems work and their vulnerabilities Exploit weaknesses and hack into machines to test their security Learn how to secure systems from hackers Book Description This book starts with the basics of ethical hacking, how to

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practice hacking safely and legally, and how to install and interact with Kali Linux and the Linux terminal. You will explore network hacking, where you will see how to test the security of wired and wireless networks. You'll also learn how to



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crack the password for any Wi-Fi network (whether it uses WEP, WPA, or WPA2) and spy on the connected devices. Moving on, you will discover how to gain access to remote computer systems using client-side and server-side attacks.

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You will also get the hang of post-exploitation techniques, including remotely controlling and interacting with the systems that you compromised. Towards the end of the book, you will be able to pick up web application hacking techniques.

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You'll see how to discover, exploit, and prevent a number of website vulnerabilities, such as XSS and SQL injections. The attacks covered are practical techniques that work against real systems and are purely for educational purposes. At the end

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of each section, you will learn how to detect, prevent, and secure systems from these attacks. What you will learn Understand ethical hacking and the different fields and types of hackers Set up a penetration testing lab to practice safe and legal

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hacking Explore Linux basics, commands, and how to interact with the terminal Access password-protected networks and spy on connected clients Use server and client-side attacks to hack and control remote computers Control a

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hacked system remotely and use it to hack other systems Discover, exploit, and prevent a number of web application vulnerabilities such as XSS and SQL injections Who this book is for Learning Ethical Hacking from Scratch is for anyone interested

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in learning how to hack and test the security of systems like professional hackers and security experts.

Secure today's mobile devices and applications Implement a systematic approach to security in your mobile application development with help

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from this practical guide. Featuring case studies, code examples, and best practices, Mobile Application Security details how to protect against vulnerabilities in the latest smartphone and PDA platforms. Maximize isolation, lockdown



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internal and removable storage, work with sandboxing and signing, and encrypt sensitive user information. Safeguards against viruses, worms, malware, and buffer overflow exploits are also covered in this comprehensive resource.

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Design highly isolated, secure, and authenticated mobile applications  
Use the Google Android emulator, debugger, and third-party security tools  
Configure Apple iPhone APIs to prevent overflow and SQL injection attacks  
Employ private and

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public key cryptography on Windows  
Mobile devices Enforce fine-grained  
security policies using the  
BlackBerry Enterprise Server Plug  
holes in Java Mobile Edition,  
SymbianOS, and WebOS  
applications Test for XSS, CSRF,

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HTTP redirects, and phishing attacks on WAP/Mobile HTML applications Identify and eliminate threats from Bluetooth, SMS, and GPS services Himanshu Dwivedi is a co-founder of iSEC Partners ([www.isecpartners.com](http://www.isecpartners.com)), an

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information security firm specializing in application security. Chris Clark is a principal security consultant with iSEC Partners. David Thiel is a principal security consultant with iSEC Partners.

Have you noticed that some people

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in infosec simply have more success than others, however they may define success? Some people are simply more listened too, more prominent, make more of a difference, have more flexibility with work, more freedom, choices of the

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best projects, and yes, make more money. They are not just lucky. They make their luck. The most successful are not necessarily the most technical, although technical or "geek" skills are essential. They are an absolute must, and we naturally

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build technical skills through experience. They are essential, but not for Rock Star level success. The most successful, the Infosec Rock Stars, have a slew of other equally valuable skills, ones most people never develop nor even understand.



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journey of mastering these skills and the journey of moving toward Rock Star status and all its benefits.

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cybersecurity researcher  
Kim Crawley walk you  
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advanced topics  
necessary to understand  
how to make a career out  
of finding

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vulnerabilities in systems, networks, and applications. You'll learn about the role of a penetration tester, what a pentest involves, and the prerequisite

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starting place to begin growing your knowledge and skills. Finally, find out how to become employed as a pentester by using social media, networking strategies,

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approachable guide!  
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incorporate, from the beginning of the System Development Life Cycle, best security practices in software development. This book covers all the basic subjects such as

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threat modeling and security testing, but also dives deep into more complex and advanced topics for securing modern software systems and

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architectures.

Throughout, the book offers analogies, stories of the characters Alice and Bob, real-life examples, technical explanations

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and diagrams to ensure maximum clarity of the many abstract and complicated subjects. Topics include: Secure requirements, design, coding, and deployment

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Security Testing (all  
forms) Common Pitfalls  
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Programs Securing Modern  
Applications Software  
Developer Security  
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managers, penetration testers, and chief information security officers who seek to build or improve their application security programs. Alice and Bob



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practical applications,  
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ability to grasp and retain the foundational and advanced topics contained within.

"Digital forensics is the science of collecting the evidence

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that can be used in a court of law to prosecute the individuals who engage in electronic crime"--Provided by publisher.

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Geekonomics

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The Emerald Tablet

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introduces new cyber-security defensive tactics to annoy attackers, gain attribution and insight on who and where they are. It discusses how to attack attackers in a way which is legal and incredibly useful.

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the objectives on Global Information Assurance Certification's Security Essentials (GSEC) exam inside this comprehensive resource. "GSEC GIAC Security Essentials Certification All-in-One Exam Guide" provides learning objectives at the beginning of

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**Book Description** Docker is an open source platform for building, shipping, managing, and securing containers. Docker has become the tool of choice for people willing to work with containers. Since the market is moving toward containerization, Docker will

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definitely have a big role to play in the future tech market. This book starts with setting up Docker in different environment, and helps you learn how to work with Docker images. Then, you will take a deep dive into network and data management for containers. The

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book explores the RESTful APIs provided by Docker to perform different actions, such as image/container operations. The book then explores logs and troubleshooting Docker to solve issues and bottlenecks. You will gain an understanding of

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security Docker on various clouds Who this book is for Book is targeted towards developers, system administrators, and DevOps engineers who want to use Docker in his/her development, QA, or production environments. It is expected that the

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reader has basic Linux/Unix skills such as installing packages, editing files, managing services, and so on. Any experience in virtualization technologies such as KVM, XEN, and VMWare will be an added advantage "How do you think like a manager?" It



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balancing risk, cost, and most of all, human life. The questions will take you through how to resist thinking from a technical perspective to one that is more holistic of the entire organization. Like all of Study Notes and Theory's CISSP practice questions, these

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FinTech (Financial technology) is the technology and innovation that aims to compete with traditional financial methods in the delivery of financial services. It is an emerging industry that uses technology to improve activities in finance. - Wikipedia Fintech means the

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of their adversary and  
apply hacking techniques  
to better understand  
real-world risks to  
computer networks and  
data. Readers will

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benefit from the  
author's years of  
experience in the field  
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networks and ultimately  
training others in the  
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vulnerable to attack,



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to improve its security.  
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Engineer, a Network  
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someone new to packet



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packet capturing  
architecture Teach the  
basics of TShark Teach  
some not so basic TShark  
tricks Solve real world  
challenges with TShark  
Identify services hiding

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behind other protocols

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packet capture with

TShark Analyze and

decrypt TLS encrypted

traffic Analyze and

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Traffic Going way beyond  
- Leveraging TShark and  
Python for IP threat  
intelligence Introduce  
Lua scripts Introduce  
packet editing Introduce  
packet merging Introduce

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packet rewriting

Introduce remote packet

capturing Who is this

book for?While this book

is written specifically

for Network Forensics

Analysts, it is equally

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beneficial to anyone who supports the network infrastructure. This means, Network Administrators, Security Specialists, Network Engineers, etc., will



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all benefit from this  
book. Considering the  
preceding, I believe the  
following represents the  
right audience for this  
book: Individuals  
starting off their

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glimpse at the sample  
chapter before  
committing to it.

Mastering TShark sample  
chapters can be found  
at: [https:](https://bit.ly/TShark)

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PCAPS used within this book can be found at:  
<https://github.com/SecurityNik/SUWtHEh>- As an addition to this book, the tool, pktIntel: Tool used to perform threat

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intelligence against  
packet data can be found  
at: [https://github.com/  
SecurityNik/pktIntel](https://github.com/SecurityNik/pktIntel)  
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metrics in the  
enterprise. Using sample  
charts, graphics, case  
studies, and war  
stories, Yankee Group  
Security Expert Andrew  
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exactly how to establish effective metrics based on your organization's unique requirements. You'll discover how to quantify hard-to-measure security activities,

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compile and analyze all relevant data, identify strengths and weaknesses, set cost-effective priorities for improvement, and craft compelling messages for

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senior management.

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successfully bridges

management's

quantitative viewpoint

with the nuts-and-bolts

approach typically taken

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by security

professionals. It brings

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solutions drawn from

Jaquith's extensive

consulting work in the

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industries, including  
new metrics presented  
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learn how to: • Replace  
nonstop crisis response  
with a systematic

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approach to security improvement • Understand the differences between “good” and “bad” metrics • Measure coverage and control, vulnerability management, password

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quality, patch latency,  
benchmark scoring, and  
business-adjusted risk •

Quantify the  
effectiveness of  
security acquisition,  
implementation, and



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other program activities

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Use visualization to understand and communicate security

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issues more clearly •  
Capture valuable data  
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and other resources •  
Implement balanced

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scorecards that present  
compact, holistic views  
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How You Learn Is How You  
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*information assurance at Nortel PEC Solutions in Fairfax, Virginia. She has more than 15 years of experience in the field and since 1998 has served as the contractor*

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Summary Securing DevOps



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delivery, and other core DevOps processes. This experience-rich book is filled with mission-critical strategies to protect web applications against attacks, deter fraud attempts, and make your services safer when operating at scale. You'll also

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techniques for cloud services  
Watching for fraud and  
responding to incidents Security  
testing and risk assessment  
About the Reader Readers should  
be comfortable with Linux and  
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CI, CD, and unit testing. About the

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Author Julien Vehent is a security architect and DevOps advocate. He leads the Firefox Operations Security team at Mozilla, and is responsible for the security of Firefox's high-traffic cloud services and public websites.

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DevOps PART 1 - Case study:  
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