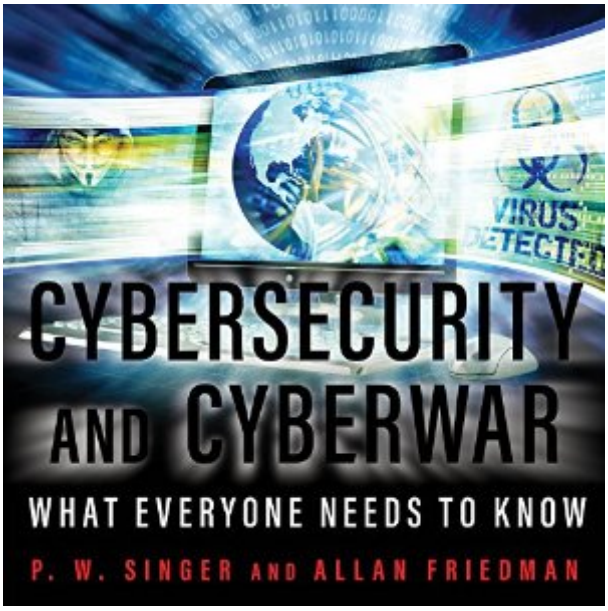
# Cybersecurity And Cyberwar: What Everyone Needs To Know



## Synopsis

In Cybersecurity and Cyberwar: What Everyone Needs to KnowÃ Â®, New York Times best-selling author P. W. Singer and noted cyberexpert Allan Friedman team up to provide the kind of deeply informative resource book that has been missing on a crucial issue of 21st-century life. Written in a lively, accessible style, filled with engaging stories and illustrative anecdotes, the book is structured around the key question areas of cyberspace and its security: how it all works, why it all matters, and what we can do. Along the way, they take listeners on a tour of the important (and entertaining) issues and characters of cybersecurity, from the Anonymous hacker group and the Stuxnet computer virus to the new cyberunits of the Chinese and US militaries. Cybersecurity and Cyberwar: What Everyone Needs to KnowÃ Â® is the definitive account of the subject for us all, which comes not a moment too soon.

## Book Information

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## Customer Reviews

In Cybersecurity and Cyberwar, co-authors Peter W. Singer and Allan Friedman provide public policy and national security professionals with a comprehensive overview of cybersecurity matters. In straightforward prose, Singer and Friedman answer key questions in three parts: how it all works, why it matters, and what can be done and address subjects ranging from advanced persistent threats, cyber force structure, options for deterrence, the balance between offense and defense, lessons from public health, to the incentives behind public-private partnerships. To round out the discussion, I would strongly recommend Cybersecurity and Cyberwar in conjunction with with

Ronald Deibertâ ™s Black Code: Inside the Battle for Cyberspace and Thomas Ridâ ™s Cyber War Will Not Take Place.

For those who want to keep up on the latest information of where we are in this cyber world, this book is for you. I just could not put it down. There are so many questions that we don't find answers to in the local coffee shop. A sip of java and a shrug are not enough. For example, what is Stuxnet? Why is privacy so hard to maintain? Where do viruses and malware come from? Why can't we catch cyber villains? What are the larger threats? The smaller threats? What agencies protect us? What is cyber war? How can the ordinary person protect himself on line? So many important questions. Singer and Friedman have shown expertise in answering them, and sometimes with interesting stories from behind the scenes. For me, this is essential reading. And, like all things about computers, time sensitive. Read it now, and hope for a new book next year.

Like most people I was looking for answers to my personal LAN security issues and picked this book in the hopes of getting a deeper understanding of how to secure my network. But, I got an even better deal instead. This book covers the entire state of cyber security issues from car theft by network interference to Cyberwar.The issue of network security has become global in scope and there are no political boundaries in Cyberspace. Nothing separates us personally from being raided by a thief whether he be an individual using an electronic jamer to keep your car unlocked or an employee of the Chinese government using commercial routers to collect personal data against you.The misuse and abuse of Cyberspace is predicated on the natural openness of the design of the Ethernet. Education about the current situation is our primary defense against those who would use this valuable tool against us. And this book does an excellent job of appraising us about the dangers and defenses inherent in this communications medium.This is not a book about how to setup the network security switches on your operating system. This is the book to tell you what has been happening in the entire world of Cyberspace that can affect you directly. Before you can defend yourself you need to know what the threat really is.Most of the book is spent covering the current world level security threat complex. With the exception of Denial of Service and RoboLensing attacks, the book gives the reader very good advice on how to deny the attackers effective access to your computer network. The general answer lies here.As in personal self defense, the answer comes through more effective communication with the security community and application of proper security measures. Reducing your threat cross section by using the approaches detailed in the book will help you to protect your data and your sleep.

Dr. Singer’s books are always engaging, and this book, co-authored Allan Friedman, continues that tradition.This book is written to be consumed by any thoughtful reader -- it is not a deep dive in UNIX system administration challenges, it not full of computer acronyms, it does not require an advanced degree in computer science.This book clearly educates the reader about cybersecurity issues, and then expands upon this discussion to enable the reader to conceptualize the challenges of the subject. A good example of this is their Short History of the Internet, which is a clear and concise and enjoyable read by itself. This history includes, in layman’s terms, evolution, funding agencies, control entities, architecture, Al Gore, governance, cryptographic keys, and more. With this foundation the authors then expand into many cybersecurity challenges, like WikiLeaks and a variety of security threats.I particularly liked the discussions on attribution, cybercrimes, and cyber terrorism -- these are not simple issues, and the authors articulate some of the complexities of attribution that make cybersecurity so difficult.The authors wrap up the book by defining the Five Key Trends that Affect the Future of Cybersecurity â “ Cloud Computing, Big Data, Mobile, Cyberspace Demographics, and Internet-of-Things (IoT). These trends all increase the problem space of cybersecurity, and the authors define how these trends will drive an even higher demand for security in our future systems.With this history, description of threats, frameworks, and trends, the authors truly accomplish their goal of delivering a primer of what one needs to know about cybersecurity and cyberwar.

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