



Applied Cryptography: Protocols, Algorithms and Source Code in C

By Bruce Schneier

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Applied Cryptography: Protocols, Algorithms and Source Code in C By Bruce Schneier

From the world's most renowned security technologist, Bruce Schneier, this 20th Anniversary Edition is the most definitive reference on cryptography ever published and is the seminal work on cryptography. Cryptographic techniques have applications far beyond the obvious uses of encoding and decoding information. For developers who need to know about capabilities, such as digital signatures, that depend on cryptographic techniques, there's no better overview than *Applied Cryptography*, the definitive book on the subject. Bruce Schneier covers general classes of cryptographic protocols and then specific techniques, detailing the inner workings of real-world cryptographic algorithms including the Data Encryption Standard and RSA public-key cryptosystems. The book includes source-code listings and extensive advice on the practical aspects of cryptography implementation, such as the importance of generating truly random numbers and of keeping keys secure.

". . .the best introduction to cryptography I've ever seen. . . .The book the National Security Agency wanted never to be published. . . ." -Wired Magazine

". . .monumental . . . fascinating . . . comprehensive . . . the definitive work on cryptography for computer programmers . . ." -Dr. Dobb's Journal

". . .easily ranks as one of the most authoritative in its field." -PC Magazine

The book details how programmers and electronic communications professionals can use cryptography-the technique of enciphering and deciphering messages-to maintain the privacy of computer data. It describes dozens of cryptography algorithms, gives practical advice on how to implement them into cryptographic software, and shows how they can be used to solve security problems. The book shows programmers who design computer applications, networks, and storage systems how they can build security into their software and systems.

With a new Introduction by the author, this premium edition will be a keepsake for all those committed to computer and cyber security.

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Editorial Review

From the Inside Flap

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From the Back Cover

Praise for *Applied Cryptography*

"This book should be on the shelf of any computer professional involved in the use or implementation of cryptography."

— IEEE Software

"An encyclopedic survey ... could well have been subtitled 'The Joy of Encrypting' ... a useful addition to the library of any active or would-be security practitioner."

— Cryptologia

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— Wired magazine

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Written by the world's most renowned security technologist this special Anniversary Edition celebrates 20 years for the most definitive reference on cryptography ever published, *Applied Cryptography, Protocols, Algorithms, and Source Code in C*. Inside security enthusiasts will find a compelling introduction by author Bruce Schneider written specifically for this keepsake edition.

Included in this edition:

- Exclusive forward by Bruce Schneier
- Ways to defeat the key escrow mechanism
- Encryption algorithms, including algorithms from the former Soviet Union and South Africa, and the RC4 stream cipher

- Protocols for digital signatures, authentication, secure elections, digital cash, and more
- Detailed information on key management and cryptographic implementations

About the Author

Bruce Schneier is an internationally renowned security technologist, called a "security guru" by *The Economist*. He is the author of twelve books—including his seminal work, *Applied Cryptography: Protocols, Algorithms, and Source Code in C*, and *Secrets & Lies: Digital Security in a Networked World* as well as hundreds of articles, essays, and academic papers. His influential newsletter "Crypto-Gram" and blog "Schneier on Security" are read by over 250,000 people. Schneier is a fellow at the Berkman Center for Internet and Society at Harvard Law School, a program fellow at the New America Foundation's Open Technology Institute, a board member of the Electronic Frontier Foundation, and an Advisory Board member of the Electronic Privacy Information Center. He is also the Chief Technology Officer of Resilient Systems, Inc. You can read his blog, essays, and academic papers at www.schneier.com. He tweets at @schneierblog.

Users Review

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Richard Poston:

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Allen Mullinax:

Exactly why? Because this Applied Cryptography: Protocols, Algorithms and Source Code in C is an unordinary book that the inside of the publication waiting for you to snap the idea but latter it will surprise you with the secret the item inside. Reading this book next to it was fantastic author who write the book in such incredible way makes the content interior easier to understand, entertaining approach but still convey the meaning totally. So , it is good for you because of not hesitating having this anymore or you going to regret it. This excellent book will give you a lot of positive aspects than the other book have got such as help improving your ability and your critical thinking way. So , still want to delay having that book? If I were being you I will go to the reserve store hurriedly.

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