



Hacking the Code: Auditor's Guide to Writing Secure Code for the Web

By Mark Burnett



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Hacking the Code has over 400 pages of dedicated exploit, vulnerability, and tool code with corresponding instruction. Unlike other security and programming books that dedicate hundreds of pages to architecture and theory based flaws and exploits, *Hacking the Code* dives right into deep code analysis. Previously undisclosed security research in combination with superior programming techniques from Foundstone and other respected organizations is included in both the Local and Remote Code sections of the book.

The book is accompanied with a FREE COMPANION CD containing both commented and uncommented versions of the source code examples presented throughout the book. In addition to the book source code, the CD also contains a copy of the author-developed Hacker Code Library v1.0. The Hacker Code Library includes multiple attack classes and functions that can be utilized to quickly create security programs and scripts. These classes and functions simplify exploit and vulnerability tool development to an extent never before possible with publicly available software.

- Learn to quickly create security tools that ease the burden of software testing and network administration
- Find out about key security issues regarding vulnerabilities, exploits, programming flaws, and secure code development
- Discover the differences in numerous types of web-based attacks so that developers can create proper quality assurance testing procedures and tools
- Learn to automate quality assurance, management, and development tasks and procedures for testing systems and applications
- Learn to write complex Snort rules based solely upon traffic generated by network tools and exploits

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Bibliography

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Editorial Review

From the Publisher

Are Your Web Applications Really Secure? This unique book walks you through the many threats to your web application code, from managing and authorizing users and encrypting private data to filtering user input and securing XML. For every defined threat, it provides a menu of solutions and coding considerations. And, it offers coding examples and a set of security policies for each of the corresponding threats. Know the threats to your applications:

- * Develop secure password policies and how to securely manage user passwords in your web application.
 - * Establish a secure procedure for resetting lost or forgotten passwords and discover how to properly use secret questions in that process.
 - * Securely authenticate and authorize users, taking advantage of the advanced capabilities in ASP.NET
 - * Limit exposure to credential harvesting and brute force password attacks.
 - * Securely manage user sessions and learn how to create strong user authentication tokens.
 - * Work with the built-in state providers and securely implement view state in your forms.
 - * Make sense of the extensive encryption features in ASP.NET and employ symmetric and asymmetric encryption for sensitive data.
 - * Properly encrypt and store secrets to the registry, a file, or the protected store.
 - * Filter user input to prevent from SQL injection, directory traversal, cross-site scripting and other application-level attacks.
 - * Apply techniques such as pattern matching and data reflecting to control exposure to malicious input attacks.
 - * Configure honey drops to detect attacks on your web application
 - * Configure IIS and ASP.NET to constrain buffer overflow, denial of service, and other attacks.
 - * Write secure database access code.
 - * Secure databases and database drivers.
 - * Construct secure HTML markup to limit exposure to cross-site scripting and cross-site request forgery attacks.
 - * Use structured error handling to prevent failure conditions that open holes or reveal sensitive information.
- Integrate XML encryption and apply XML digital signatures. Your Solutions Membership Gives You Access to:
Comprehensive FAQ page that consolidates all of the key points of this book into an easy to search web page

"From the Author" Forum where the authors post timely updates and links to related sites

The complete code listings from the book

These downloadable e-booklets:

Stealing The Network: How to Own a Continent: Product of Fate: The Evolution of a Hacker

Special Ops: Host and Network Security for Microsoft, Unix, and Oracle: Hacking Custom Web

Applications

CYA: Securing IIS: Configuring Advanced Web Server Security

IT Ethics Handbook: Programmers and Analysts

About the Author

Mark Burnett (Microsoft MVP) is an independent security consultant, freelance writer, and a specialist in securing Windows-based IIS Web servers. Mark is co-author of *Maximum Windows Security* and is a contributor to Dr. Tom Shinder's *ISA Server and Beyond: Real World Security Solutions for Microsoft Enterprise Networks* (Syngress Publishing, ISBN: 1-931836-66-3). He is a contributor and technical editor for Syngress Publishing's *Special Ops: Host and Network Security for Microsoft, UNIX, and Oracle* (ISBN: 1-931836-69-8). Mark speaks at various security conferences and has published articles in *Windows & .NET*, *Information Security*, *Windows Web Solutions*, *Security Administrator*, and is a regular contributor at *SecurityFocus.com*. Mark also publishes articles on his own Web site, *IISSecurity.info*.

James C. Foster (Technical Editor) is the Deputy Director, Global Security Development for Computer Sciences Corporation where he is leading the task of developing and delivering managed, educational, informational, consulting, and outsourcing security services. Prior to joining CSC, Foster was the Director of Research and Development for Foundstone Inc. and was responsible for all aspects of product and corporate R&D including corporate strategy and international market expansion. Preceding Foundstone, Foster was a Senior Advisor and Research Scientist with Guardent Inc. (acquired by Verisign in 2004 for \$135 Million) and an adjunct author at *Information Security Magazine* (acquired for an undisclosed amount by TechTarget in 2003.) He is commonly asked to comment on pertinent security issues and has been sited in *USAToday*, *Information Security Magazine*, *Baseline*, *Computer World*, *Secure Computing*, and the *MIT Technologist*. James has co-authored or contributed to *Snort 2.0 Intrusion Detection* (Syngress, ISBN: 1931836744), and *Special Ops Host and Network Security for Microsoft, Unix, and Oracle* (Syngress, ISBN: 1931836698) as well as *Hacking Exposed*, Fourth Edition, *Advanced Intrusion Detection*, *Anti-Hacker Toolkit Second Edition*, and *Anti-Spam Toolkit*. James has attended Yale, Harvard, and the University of Maryland and has an AS, BS, MBA and is currently a Fellow at the University of Pennsylvania's Wharton School of Business.

Users Review

From reader reviews:

Jay Burke:

Book is definitely written, printed, or created for everything. You can learn everything you want by a guide. Book has a different type. We all know that that book is important point to bring us around the world. Next to that you can your reading skill was fluently. A publication *Hacking the Code: Auditor's Guide to Writing Secure Code for the Web* will make you to always be smarter. You can feel more confidence if you can know about everything. But some of you think this open or reading some sort of book make you bored. It is far from make you fun. Why they can be thought like that? Have you in search of best book or acceptable book with you?

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