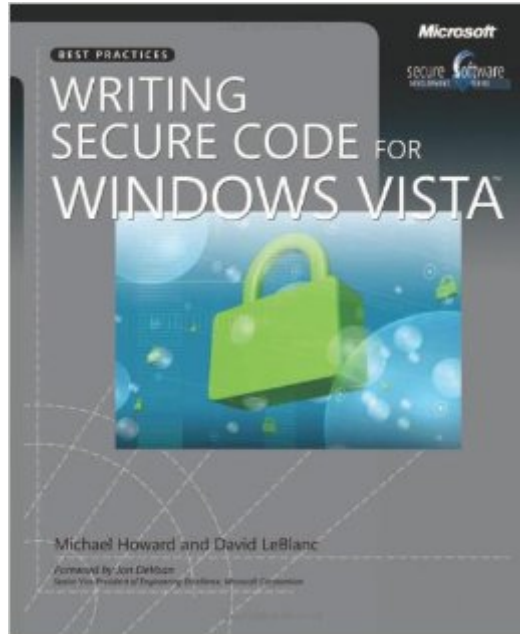


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# Writing Secure Code For Windows Vista® (Developer Best Practices)



## Synopsis

Get the definitive guide to writing more-secure code for Windows Vistaâ from the authors of the award-winning *Writing Secure Code*, Michael Howard and David LeBlanc. This reference is ideal for developers who understand the fundamentals of Windows programming and APIs. It complements *Writing Secure Code*, examining the delta between Windows XP and Windows Vista security. You get first-hand insights into design decisions, lessons learned from Windows Vista development, and practical advice for solving real-world security issues. Discover how to:

- Develop applications to run without administrator privileges
- Apply best practices for using integrity controls
- Help protect your applications with ASLR, NX, and SafeSEH
- Evaluate authentication, authorization, and cryptography enhancements in Windows Vista
- Write services that restrict privileges and tokensâ and sidestep common problems
- Learn how Windows Internet Explorer 7 defenses and new security features affect your development efforts

PLUSâ Get Microsoft Visual C#, Visual C++, and C code samples on the Web

## Book Information

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## Customer Reviews

Initially I didn't liked Windows Vista. A resource hog, some incompatibilities... But I had to use it at work so I installed it and worked with it for two months. After that, I really like the security features it has, but I felt like missing more details about specific topics... So I decided to buy this book. *Writing Secure Code for Windows Vista* comes as a, mostly C++ oriented (although contains some C#

examples), "how to use all new features" book. Very well structured, with lots of code examples, best practices, direct to the topic, and one thing I liked a lot: very sincere. If something is working bad, the authors state it clearly (for example, the Windows Firewall API, which has bugs), and they even provide workarounds to avoid them. Down to the content, the book covers a lot of topics: New safer C functions, banned APIs, new APIs, UAC, token manipulation, integrity levels, code signing, virtualization, buffer overrun defenses, IPv6, Secure Socket extensions, Windows Firewall (Vista version, of course), IE7 security mechanisms & defenses (very interesting), Windows services development best practices, protected mode API and DEP, and the new CNG (Cryptography API: Next Generation). Even if you don't usually develop with C++ I highly recommend this book. With it you will learn a lot about all the new security features of Vista. You just need some basic knowledge of standard Windows security features and some C++/API programming.

It contains to the point but thorough information of how to write code that breaks as rarely as possible and when it does break exposes as little as possible to an attacker. At the same time the language is clear and enjoyable.

I am a C++ Developer and I was able to get my application Vista UAC compliant, with the valuable information in the book. What was very strange to me was that I got this book for a few dollars used and in very good condition. Being a windows developer require some patience and effort, this book compliments that effort and makes it rewarding.

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