



Advanced Windows Debugging

Mario Hewardt, Daniel Pravat

Download now

[Click here](#) if your download doesn't start automatically

Advanced Windows Debugging

Mario Hewardt, Daniel Pravat

Advanced Windows Debugging Mario Hewardt, Daniel Pravat

&>

-- Bob Wilton, *Escalation Engineer, Critical Problem Resolution Team, Microsoft*

“An excellent reference for both intermediate and advanced debuggers: highly practical, and filled with tricks and strategies. This book stands out from all other Win32 debugging literature, thanks to its in-depth examples—including resolving intricate problems like stack and heap corruptions.”

-- Kinshuman, *Development Lead, Windows Core OS Division, Microsoft*

The First In-Depth, Real-World, Insider’s Guide to Powerful Windows Debugging

For Windows developers, few tasks are more challenging than debugging—or more crucial. Reliable and realistic information about Windows debugging has always been scarce. Now, with over 15 years of experience two of Microsoft’s system-level developers present a thorough and practical guide to Windows debugging ever written.

Mario Hewardt and Daniel Pravat cover debugging throughout the entire application lifecycle and show how to make the most of the tools currently available—including Microsoft’s powerful native debuggers and third-party solutions.

To help you find real solutions *fast*, this book is organized around real-world debugging scenarios. Hewardt and Pravat use detailed code examples to illuminate the complex debugging challenges professional developers actually face. From core Windows operating system concepts to security, Windows® Vista™ and 64-bit debugging, they address emerging topics head-on—and *nothing* is ever oversimplified or glossed over!

This book enables you to

- Master today’s most powerful Windows debugging tools, including NTSD, CDB, WinDbg, KD, and ADPlus
- Debug code that wasn’t designed or written for easy debugging
- Understand debuggers “under the hood,” and manage symbols and sources efficiently
- Debug complex memory corruptions related to stacks and heaps
- Resolve complex security problems
- Debug across processes: identity tracking, RPC debugger extensions, and tracking IPCs with Ethereal
- Find and fix resource leaks, such as memory and handle leaks.
- Debug common thread synchronization problems
- Learn when and how to write custom debugger extensions
- Perform “postmortem debugging” using crash dumps and Windows Error Reporting
- Automate debugging with DebugDiag and the Analyze Debugger command

Whether you’re a system-level or application developer, *Advanced Windows Debugging* delivers the deep understanding of debugging that could save you weeks on your very next project.

Part I Overview

Chapter 1 Introduction to the Tools

Chapter 2 Introduction to the Debuggers

Chapter 3 Debugger Uncovered

Chapter 4 Managing Symbol and Source Files

Part II Applied Debugging

Chapter 5 Memory Corruptions Part I – Stacks

Chapter 6 Memory Corruptions Part I – Heaps

Chapter 7 Security

Chapter 8 Inter-process Communication

Chapter 9 Resource Leaks

Chapter 10 Synchronization

Part III Advanced Topics

Chapter 11 Writing Custom Debugger Extensions

Chapter 12 64-bit Debugging

Chapter 13 Postmortem Debugging

Chapter 14 Power Tools

Chapter 15 Windows Vista Fundamentals

Appendix A Application Verifier Test Settings

If you like **Advanced Windows Debugging** , keep an eye out for **ADVANCED .NET DEBUGGING** COMING IN NOV. 2009.

 [Download Advanced Windows Debugging ...pdf](#)

 [Read Online Advanced Windows Debugging ...pdf](#)

Download and Read Free Online Advanced Windows Debugging Mario Hewardt, Daniel Pravat

From reader reviews:

Thomas Fleischmann:

Now a day individuals who Living in the era just where everything reachable by connect with the internet and the resources inside it can be true or not require people to be aware of each facts they get. How individuals to be smart in obtaining any information nowadays? Of course the answer then is reading a book. Reading a book can help individuals out of this uncertainty Information particularly this Advanced Windows Debugging book as this book offers you rich info and knowledge. Of course the info in this book hundred percent guarantees there is no doubt in it everbody knows.

Teresa Brown:

The reserve with title Advanced Windows Debugging has a lot of information that you can understand it. You can get a lot of profit after read this book. This particular book exist new understanding the information that exist in this guide represented the condition of the world today. That is important to yo7u to know how the improvement of the world. This book will bring you inside new era of the glowbal growth. You can read the e-book on your own smart phone, so you can read it anywhere you want.

Rosa Goldschmidt:

This Advanced Windows Debugging is great publication for you because the content that is certainly full of information for you who have always deal with world and also have to make decision every minute. This book reveal it information accurately using great coordinate word or we can say no rambling sentences in it. So if you are read that hurriedly you can have whole data in it. Doesn't mean it only will give you straight forward sentences but challenging core information with wonderful delivering sentences. Having Advanced Windows Debugging in your hand like getting the world in your arm, details in it is not ridiculous 1. We can say that no e-book that offer you world inside ten or fifteen minute right but this book already do that. So , it is good reading book. Heya Mr. and Mrs. busy do you still doubt in which?

Jesus Geist:

What is your hobby? Have you heard that will question when you got scholars? We believe that that issue was given by teacher to the students. Many kinds of hobby, Everyone has different hobby. And you also know that little person like reading or as reading become their hobby. You must know that reading is very important in addition to book as to be the issue. Book is important thing to add you knowledge, except your teacher or lecturer. You discover good news or update about something by book. Numerous books that can you go onto be your object. One of them is actually Advanced Windows Debugging.

**Download and Read Online Advanced Windows Debugging Mario
Hewardt, Daniel Pravat #YKOGWCDJZ7R**

Read Advanced Windows Debugging by Mario Hewardt, Daniel Pravat for online ebook

Advanced Windows Debugging by Mario Hewardt, Daniel Pravat Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Advanced Windows Debugging by Mario Hewardt, Daniel Pravat books to read online.

Online Advanced Windows Debugging by Mario Hewardt, Daniel Pravat ebook PDF download

Advanced Windows Debugging by Mario Hewardt, Daniel Pravat Doc

Advanced Windows Debugging by Mario Hewardt, Daniel Pravat Mobipocket

Advanced Windows Debugging by Mario Hewardt, Daniel Pravat EPub