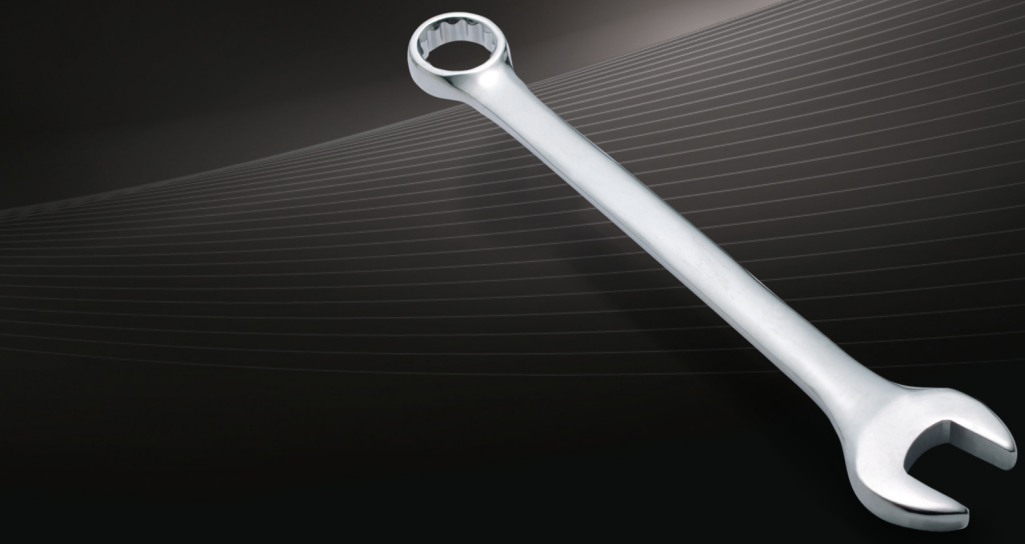
Microsoft

Inside Windows® Debugging

Practical Debugging and Tracing Strategies



Tarik Soulami

Inside Windows® Debugging:
Practical Debugging and Tracing Strategies

Use Windows debuggers throughout the development cycle—and build better software

Rethink your use of Windows debugging and tracing tools—and learn how to make them a key part of test-driven software development. Led by a member of the Windows Fundamentals Team at Microsoft, you'll apply expert debugging and tracing techniques—and sharpen your C++ and C# code analysis skills—through practical examples and common scenarios. Learn why experienced developers use debuggers in every step of the development process, and not just when bugs appear.

Discover how to:

- Go behind the scenes to examine how powerful Windows debuggers work
- Catch bugs early in the development cycle with static and runtime analysis tools
- Gain practical strategies to tackle the most common code defects
- Apply expert tricks to handle user-mode and kernel-mode debugging tasks
- Implement postmortem techniques such as JIT and dump debugging
- Debug the concurrency and security aspects of your software
- Use debuggers to analyze interactions between your code and the operating system
- Analyze software behavior with the Event Tracing for Windows (ETW) framework

Get code samples on the web
Ready to download at
http://go.microsoft.com/FWLink/?Linkid=245713

*For **system requirements**, see the Introduction.*

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Programming/Windows Debugging

About the Author

Tarik Soulami, a principal development lead on the Windows Fundamentals Team, has more than 10 years of experience designing and developing system-level software at Microsoft. Before joining the Windows team, Tarik spent several years on the Common Language Runtime (CLR) Team, where he helped shape early releases of the Microsoft® .NET framework.

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