Developing Drivers with the Windows® Driver Foundation (Developer Reference)

By Penny Orwick, Guy Smith

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Start developing robust drivers with expert guidance from the teams who developed Windows Driver Foundation. This comprehensive book gets you up to speed quickly and goes beyond the fundamentals to help you extend your Windows development skills. You get best practices, technical guidance, and extensive code samples to help you master the intricacies of the next-generation driver model—and simplify driver development.

Discover how to:

Use the Windows Driver Foundation to develop kernel-mode or user-mode drivers Create drivers that support Plug and Play and power management—with minimal code Implement robust I/O handling code Effectively manage synchronization and concurrency in driver code Develop user-mode drivers for protocol-based and serial-bus-based devices Use USB-specific features of the frameworks to quickly develop drivers for USB devices Design and implement kernel-mode drivers for DMA devices Evaluate your drivers with source code analysis and static verification tools Apply best practices to test, debug, and install drivers

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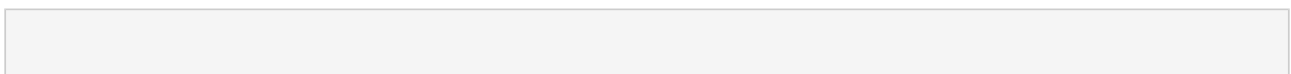
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Editorial Review

From the Publisher
Key Book Benefits:

-Provides both strategic and practical advice about how and when to use the Windows Driver Foundation

-Covers both user-mode and kernel-mode driver development

-Includes code samples in Visual C++

About the Author

Penny Orwick has been writing about Windows driver development since 1997. She has worked closely with the Windows Driver Foundation team since the early stages of development and has developed technical papers for the driver development community.

Guy Smith is a writer specializing in device drivers and kernel-mode topics. He has more than a decade of experience developing programming documentation for Microsoft technologies, including Windows Shell, Internet Explorer and the Windows Presentation Foundation.

The Microsoft Windows Driver Foundation team designs and supports driver frameworks for Windows.

Users Review

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Lorenzo Davis:

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