Pro Windows Embedded Compact 7: Producing Device Drivers (Expert's Voice in Windows)

Abraham Kcholi

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Windows Embedded Compact 7 is the natural choice for developing sophisticated, small-footprint devices for both consumers and the enterprise. For this latest version, a number of significant enhancements have been made, most notably the ability to run multi-core processors and address more than the 512 MB of memory constraint in previous versions.

Using familiar developer tools, *Pro Windows Embedded Compact 7* will take you on a deep-dive into device driver development. You'll learn how to set up your working environment, the tools that you'll need and how to think about developing for small devices before quickly putting theory into practice and developing your own first driver from the ground up.

As you delve deeper into the details of driver development, you'll learn how to master hardware details, deal with I/O and interrupts, work with networks, and test and debug your drivers ready for deployment—all in the company of an author who's been working with Windows CE for more than a decade.
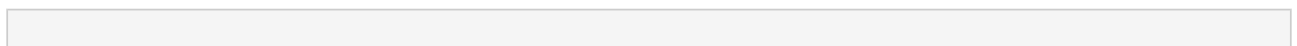
Packed with code samples, *Pro Windows Embedded Compact 7* contains everything you'll need to start developing for small footprint devices with confidence.

What you'll learn

- Understand the internals of Windows Embedded
- Know how the Windows Embedded Compact device driver model works
- Plan and design your device driver from scratch
- Develop stream interface device drivers
- Learn how to develop NDIS network device drivers
- Debug and test device drivers for quality and performance

Who this book is for

This book is ideal for anyone who wants to learn how to develop device drivers. While primarily focused on driver development, it also provides useful insights for both application developers and BSP developers.

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