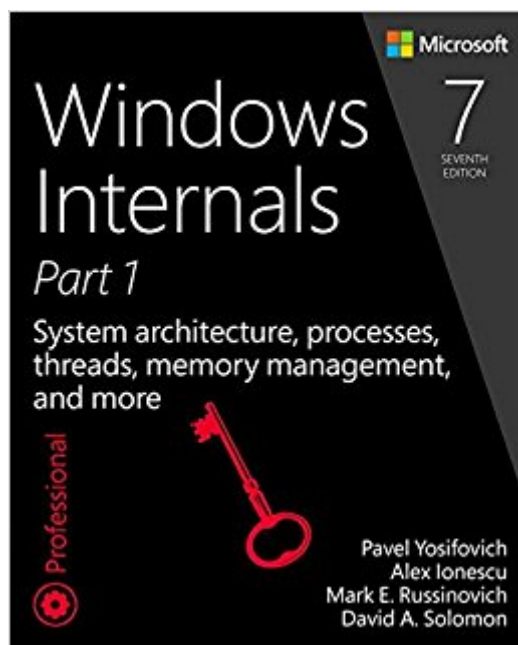


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Windows Internals, Part 1: System Architecture, Processes, Threads, Memory Management, And More (7th Edition)



Synopsis

The definitive guide—fully updated for Windows 10 and Windows Server 2016—Delve inside Windows architecture and internals, and see how core components work behind the scenes. Led by a team of internals experts, this classic guide has been fully updated for Windows 10 and Windows Server 2016. Whether you are a developer or an IT professional, you'll get critical, insider perspectives on how Windows operates. And through hands-on experiments, you'll experience its internal behavior firsthand—knowledge you can apply to improve application design, debugging, system performance, and support. This book will help you:

- Understand the Windows system architecture and its most important entities, such as processes and threads
- Examine how processes manage resources and threads scheduled for execution inside processes
- Observe how Windows manages virtual and physical memory
- Dig into the Windows I/O system and see how device drivers work and integrate with the rest of the system
- Go inside the Windows security model to see how it manages access, auditing, and authorization, and learn about the new mechanisms in Windows 10 and Server 2016

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Customer Reviews

Pavel Yosifovich is a software developer and a trainer, specializing in Microsoft technologies and

tools. He is also an MVP and a PluralSight author.

I was very excited to have received this book. The timing of the book was so perfect as it is up to date with the latest windows 10 build. I checked my new computer and it matched exactly. The book opens up chapter 1 with an overview of what is to come and then goes into the details chapter by chapter. I have received the earlier editions of this book and was surprised to note that this one is a much easier read. It is extremely well written and introduces a number of tools that allow you to experiment and actually follow along with the information presented. A number of references were made to volume 2 of this book but unfortunately volume 2 has not yet been published. I can't wait until I can preorder this book. I purchased both the hard copy and the electronic versions of this book. What I truly enjoyed about the kindle edition is that it comes with highlighted reference links that allow you to click to the reference and then click to go back to where you left off reading. I am and IT specialist and my company will soon be moving to windows 10 OS; this book has given me a much more thorough understanding of how things work. The book provides an expert view of the foundation upon which all windows applications are built. I very thankful to the Authors for all the time and effort they put into this book to make it comprehensible to a layman like myself.

A good book in a series of great books. None can compare to the first edition that gave us the backstory of Windows NT, but this book is a great resource. I can not wait until the second part is made public.

Really well written and updated. A perfect companion using the tools.

Wonderful book. Great explanations and examples.

Excellent edition of the Windows Internals series. Can't wait for the next volume(s)!

Great stuff keep it up.

An absolute must have on your technical book shelf

Essential reference

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