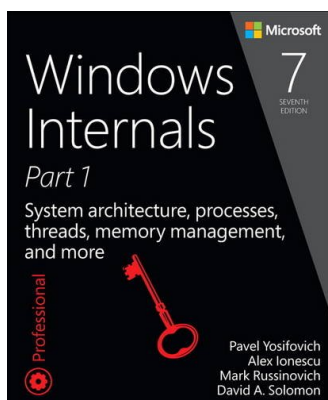


# [PDF] Windows Internals, Part 1: System Architecture, Processes, Threads, Memory Management, And More (7th Edition)

**Pavel Yosifovich, Alex Ionescu, Mark E. Russinovich, David A. Solomon - pdf download free book**

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## Description:

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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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