

**Windows
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Native Api
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Paperback
2000 Author
Gary Nebbett**

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(2000) by Gary Nebbett: A Deep Dive

For developers working with the now-legacy Windows NT 2000 operating system, Gary Nebbett's *Windows NT 2000 Native API Reference* paperback (2000) remains a valuable resource. This comprehensive guide provides detailed information on the Windows NT 2000 Application Programming Interface (API), offering a level of detail rarely found in contemporary documentation. This article explores the book's significance, its

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content, its enduring value, and its place in the history of Windows development. We'll examine key aspects like its practical application, limitations, and lasting impact on the field of Windows system programming.

Understanding the Windows NT 2000 API

The Windows NT 2000 Native API formed the core of the system's functionality. It allowed developers to interact directly with the operating system, enabling the creation of powerful and customized applications. Nebbett's book serves as a detailed roadmap through this complex API, making

it accessible to a wider range of programmers. Understanding the intricacies of the Windows NT 2000 API is crucial, even in today's context, because many fundamental concepts and programming techniques still hold relevance in modern Windows development. The book's focus on low-level programming, often referred to as **system programming**, provides a strong foundation for understanding how Windows operates at its core.

Key Features and Benefits of Nebbett's Guide

Nebbett's *Windows NT 2000 Native API Reference* is more than just a reference manual; it is a comprehensive guide to the Windows NT 2000 Native API. This book is a must-have for any developer working with Windows NT 2000. It provides a detailed and accessible reference to the Windows NT 2000 Native API, covering all the essential concepts and techniques. The book is written in a clear and concise style, making it easy to understand and use. It is a valuable resource for anyone looking to learn more about the Windows NT 2000 Native API.

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it's a learning tool. Its value lies in its depth of detail and clear explanations, which go beyond simply listing functions and their parameters. Here are some key features that contribute to its enduring popularity:

- **Comprehensive Coverage:** The book covers a vast array of API functions, providing detailed descriptions, parameter explanations, return values, and relevant code examples. This extensive coverage is one of its greatest strengths, making it a go-to resource for developers facing complex programming challenges.

- **Clear and Concise**

- Explanations:**

- Nebbett's writing style is clear, concise, and accessible, avoiding unnecessary jargon. This makes the book understandable even for programmers with a relatively limited understanding of the Windows API. This clarity helped bridge the gap between theoretical knowledge and practical application.

- **Practical Code**

- Examples:** The inclusion of numerous practical code examples is invaluable. These examples illustrate how to use different API

functions
effectively,
providing a hands-
on approach to
learning. Many
developers have
praised the
practical,
immediately
applicable nature
of these examples.

- **Focus on System Programming:** The book delves deep into system-level interactions, covering areas like process management, memory management, and security. This deep dive into **system-level programming** provides readers with a fundamental understanding of the operating system's inner workings. This foundation remains

highly relevant
even with the
advent of newer
Windows versions.

- **Historical**

Significance:

Understanding the
evolution of the
Windows API is
crucial for
experienced
programmers.
Nebbett's book
provides a snapshot
of the API at a
significant point
in its development,
offering valuable
historical context.

Usage and Practical Application

This book wasn't
intended for casual
reading; it was designed
as a working reference
for experienced

programmers undertaking
advanced tasks.
Developers might consult
this book for tasks such
as:

- **Developing device drivers:** The detailed coverage of system-level functions made it an essential resource for driver developers.
- **Creating low-level system utilities:** Programmers working on utilities requiring direct operating system interaction often turned to this guide.
- **Understanding system behavior:** The book helped programmers understand the underlying mechanisms of the

operating system,
improving their
ability to
troubleshoot and
optimize
applications.

- **Security auditing and analysis:** The details about security functions allowed security professionals to perform in-depth analysis of system behavior.

While the specific API functions covered are now obsolete for newer versions of Windows, the underlying principles and programming techniques remain valuable learning resources.

Limitations and

Considerations

It's essential to acknowledge the limitations of this book, given its age:

- **Obsolete API:** The Windows NT 2000 API is outdated. Modern Windows versions use significantly different APIs.
- **No Modern IDE Integration:** The book doesn't integrate with modern Integrated Development Environments (IDEs) and their features, like IntelliSense.
- **Lack of Online Resources:** Unlike today's online documentation, this book lacks the benefit of readily available online updates and

corrections.

Conclusion

Gary Nebbett's *Windows NT 2000 Native API Reference* stands as a testament to the detailed documentation that was once commonplace in software development. Despite its age, the book remains a valuable resource for experienced programmers interested in understanding the intricacies of older Windows systems, system programming concepts, and the historical evolution of the Windows API. While the specific API calls are no longer relevant in the context of modern Windows development, the foundational principles and problem-solving approaches described in

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the book continue to hold relevance and practical value for software engineers.

Frequently Asked Questions

Q1: Is this book still relevant in 2024?

A1: While the specific APIs detailed in the book are outdated and not compatible with modern Windows versions, the fundamental concepts of system programming and low-level interaction with the operating system remain relevant. The book can provide valuable insights into how operating systems function at a core level, enriching the understanding of programmers even if they

don't directly apply the specific API calls.

Q2: What makes this book different from other API references?

A2: Nebbett's book is known for its depth of detail and clear explanations. It goes beyond simply listing functions and parameters; it provides in-depth analysis and numerous practical examples that illustrate the effective use of each function. This comprehensive approach sets it apart from more concise or superficial references.

Q3: Can I use the code examples in modern Windows applications?

A3: No, the code examples are specific to the Windows NT 2000 API

and will not compile or function correctly in modern Windows versions. Modern Windows development utilizes significantly different APIs and frameworks.

Q4: Is this book suitable for beginners?

A4: No, this book is not recommended for absolute beginners. A solid foundation in C programming and a general understanding of operating systems is required to fully comprehend the material.

Q5: What are the best alternatives for learning modern Windows API programming?

A5: For modern Windows development, Microsoft's official documentation, online tutorials, and

books focusing on newer

APIs like Win32 or .NET
are the best resources.

**Q6: Why is understanding
the legacy Windows NT
2000 API still
important?**

A6: Understanding legacy
APIs like the one found
in Windows NT 2000
provides valuable
context for current
development practices.
It helps developers
understand the evolution
of operating system
design and highlights
the fundamental
principles that remain
consistent across
different versions. This
historical perspective
is often invaluable for
experienced programmers.

**Q7: Where can I find a
copy of this book?**

A7: Finding a physical
copy of this book might

require searching used bookstores, online marketplaces like eBay or Amazon, or checking academic libraries.

Q8: What programming language is used in the book?

A8: The book primarily focuses on the use of C for interacting with the Windows NT 2000 API.

Delving into the Depths: Gary Nebbett's Windows NT 2000 Native API Reference (Paperback, 2000)

The year is 2000. The online world is

metamorphosis. Windows NT 2000, a mighty operating platform, is gaining momentum among developers. And amidst this technological upheaval, a pivotal resource emerges: Gary Nebbett's *Windows NT 2000 Native API Reference* (Paperback, 2000). This essential tome served as a beacon for many programmers traversing the complexities of the NT 2000 architecture. This essay will examine the book's significance, content, and lasting impact.

The publication's main objective was to supply developers with a thorough reference for the Windows NT 2000 Native API. Unlike less complex tutorials, Nebbett's work dives far

into the specific aspects of the API, offering detailed explanations of each routine, parameter, and return data. This level of granularity was crucial for developers looking for to create high-performance applications that employ the full power of the operating system.

One of the book's key strengths was its structure. The information was logically presented, enabling it comparatively straightforward to discover the specific function needed. The table of contents was complete, and the descriptions were clear and clearly articulated. This rendered the publication approachable

to a wide variety of developers, from newcomers to seasoned practitioners.

Furthermore, the text's worth was further enhanced by its inclusion of practical examples. These illustrations helped developers to grasp how to use the different API functions in their own projects. This hands-on technique was essential for mastering the complexities of the API.

The impact of Nebbett's *Windows NT 2000 Native API Reference* goes beyond its direct usefulness. It served as a basis for following iterations of Windows API documentation, and its concepts continue to be applicable to developers functioning

with current Windows architectures. The volume exemplified a devotion to accuracy and clarity, attributes that remain highly cherished in technical documentation.

In conclusion, Gary Nebbett's *Windows NT 2000 Native API Reference* (Paperback, 2000) was a landmark publication that considerably contributed to the growth of Windows application development. Its comprehensive scope, clear writing, and applied examples made it an essential resource for developers of its period, and its impact continues to be perceived today.

Frequently Asked Questions (FAQs):

1. Is this book still relevant today? While it focuses on NT 2000, many core API concepts remain relevant. Understanding the fundamentals helps grasp modern Windows API.

2. Where can I find a copy? Used copies might be available through online marketplaces like eBay or Amazon.

3. Are there updated versions for newer Windows versions? Yes, Microsoft provides extensive documentation for current Windows APIs online. Nebbett's book serves as a valuable historical resource.

4. What programming languages would this book be useful for? The book is language-agnostic. The API

functions are accessible
from any language
capable of interacting
with the Windows system.

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