Windows Nt2000 Native Api Reference Paperback 2000 Author Gary Nebbett

Windows NT 2000 Native API Reference Paperback (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 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'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 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 internet is undergoing a transformation. Windows NT 2000, a powerful operating structure, is receiving popularity among developers. And amidst this technological shift, a essential resource emerges: Gary Nebbett's *Windows NT 2000 Native API Reference* (Paperback, 2000). This invaluable tome served as a guide for many programmers traversing the nuances of the NT 2000 system. This article will explore the book's significance, information, and lasting legacy.

The publication's chief objective was to provide developers with a comprehensive reference for the Windows NT 2000 Native API. Unlike simpler introductions, Nebbett's work goes deep into the detailed parts of the API, offering detailed accounts of each function, input, and return data. This level of detail was crucial for developers looking for to develop

efficient applications that employ the full potential of the operating OS.

One of the text's main benefits was its organization. The information was logically presented, making it reasonably simple to locate the exact function required. The index was thorough, and the accounts were lucid and clearly articulated. This made the publication approachable to a broad spectrum of developers, from newcomers to experienced experts.

Furthermore, the text's value was further increased by its addition of real-world demonstrations. These demonstrations helped developers to comprehend how to use the various API procedures in their own applications. This practical approach was critical for mastering the nuances of the API.

The impact of Nebbett's *Windows NT 2000 Native API Reference* extends beyond its immediate value. It served as a base for later generations of Windows API references, and its principles continue to be relevant to developers operating with current Windows platforms. The publication embodied a devotion to completeness and clarity, qualities that remain highly cherished in technical writing.

In summary, Gary Nebbett's *Windows NT 2000 Native API Reference* (Paperback, 2000) was a milestone book that significantly aided to the progress of Windows software development. Its thorough scope, concise prose, and hands-on demonstrations made it an indispensable 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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