C++ Network Programming, Volume I: Mastering Complexity with ACE and Patterns: 1

Von Douglas Schmidt, Stephen D. Huston
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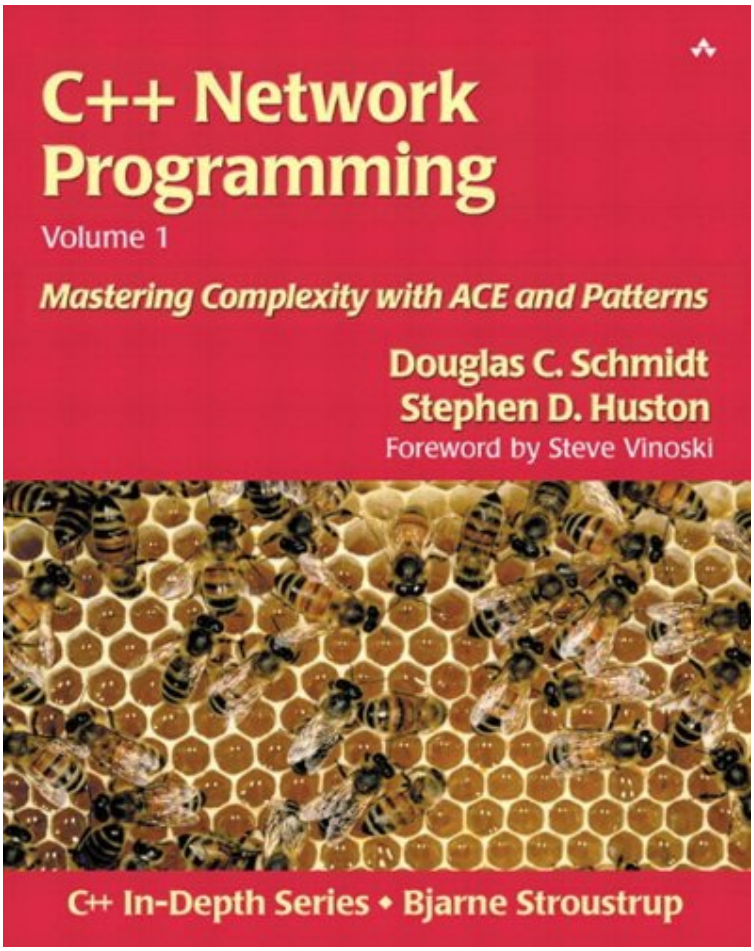

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Von Douglas Schmidt, Stephen D. Huston : C++ Network Programming, Volume I: Mastering Complexity with ACE and Patterns: 1 before purchasing it in order to gage whether or not it would be worth my time, and all praised C++ Network Programming, Volume I: Mastering Complexity with ACE and Patterns: 1:

KundenrezensionenHilfreichste Kundenrezensionen12 von 17 Kunden fanden die folgende Rezension hilfreich. Ein MUSS fr jeden NetzwerkprogrammiererVon Frank BuschmannDieses, schon lange erwartete Buch hlt, was es verspricht! Es nimmt Sie mit auf eine faszinierende Reise in die Welt der Netzwerkprogrammierung.Wenn Sie bereits die Klassenbibliothek ACE benutzen, so gibt Ihnen dieses Buch alles, was Sie zu deren Verstndniss wissen mssen: einen berblick ber die grundlegende Philosophie von ACE und seine zentralen Konzepte, aber vor allem eine detaillierte Beschreibung aller ACE-Wrapper-Facades, welche die unterste Ebene von ACE bilden. Auch wenn Sie bereits ein ACE-Experte sind, so wird Ihnen dieses Buch sicher einige neue Kenntnisse ber ACE vermitteln

knnen.Aber auch wenn Sie mit anderen Programmiersprachen arbeiten als C++, knnen Sie von diesem Buch profitieren. Die Beschreibung der "Entwurfsdimensionen" der Netzwerkprogrammierung gibt ihnen einen sehr guten und vollstndigen berblick ber die vielen Herausforderungen und Problemstellungen, die Sie in dieser Domne meistern mssen. Falls Sie nach mehr suchen als nur einer Beschreibung von APIs -- hier ist das Buch welches Sie bentigen.

KurzbeschreibungAs networks, devices, and systems continue to evolve, software engineers face the unique challenge of creating reliable distributed applications within frequently changing environments. C++ Network Programming, Volume 1, provides practical solutions for developing and optimizing complex distributed systems using the ADAPTIVE Communication Environment (ACE), a revolutionary open-source framework that runs on dozens of hardware platforms and operating systems. This book guides software professionals through the traps and pitfalls of developing efficient, portable, and flexible networked applications. It explores the inherent design complexities of concurrent networked applications and the tradeoffs that must be considered when working to master them. C++ Network Programming begins with an overview of the issues and tools involved in writing distributed concurrent applications. The book then provides the essential design dimensions, patterns, and principles needed to develop flexible and efficient concurrent networked applications. The book's expert author team shows you how to enhance design skills while applying C++ and patterns effectively to develop object-oriented networked applications. Readers will find coverage of: C++ network programming, including an overview and strategies for addressing common development challenges The ACE ToolkitConnection protocols, message exchange, and message-passing versus shared memoryImplementation methods for reusable networked application servicesConcurrency in object-oriented network programmingDesign principles and patterns for ACE wrapper facades With this book, C++ developers have at their disposal the most complete toolkit available for developing successful, multiplatform, concurrent networked applications with ease and efficiency.KurzbeschreibungAs networks, devices, and systems continue to evolve, software engineers face the unique challenge of creating reliable distributed applications within frequently changing environments. C++ Network Programming, Volume 1, provides practical solutions for developing and optimizing complex distributed systems using the ADAPTIVE Communication Environment (ACE), a revolutionary open-source framework that runs on dozens of hardware platforms and operating systems. This book guides software professionals through the traps and pitfalls of developing efficient, portable, and flexible networked applications. It explores the inherent design complexities of concurrent networked applications and the tradeoffs that must be considered when working to master them. C++ Network Programming begins with an overview of the issues and tools involved in writing distributed concurrent applications. The book then provides the essential design dimensions, patterns, and principles needed to develop flexible and efficient concurrent networked applications. The book's expert author team shows you how to enhance design skills while applying C++ and patterns effectively to develop object-oriented networked applications. Readers will find coverage of: C++ network programming, including an overview and strategies for addressing common development challenges The ACE ToolkitConnection protocols, message exchange, and message-passing versus shared memoryImplementation methods for reusable networked application servicesConcurrency in object-oriented network programmingDesign principles and patterns for ACE wrapper facades With this book, C++ developers have at their disposal the most complete toolkit available for developing successful, multiplatform, concurrent networked applications with ease and efficiency.Synopsis With the Adaptive Communication Environment (ACE), developers have what they've long sought: a mature, open source, object-oriented framework for building enterprise applications more rapidly and cost-effectively. Now, ACE's creator and one of its leading consultants present the first comprehensive guide to ACE -- and to building extensible object-oriented software with C++ in distributed, heterogeneous environments. The authors begin by describing the key design challenges that arise when objects are distributed beyond a single thread in a single process. They demonstrate how middleware and the ACE toolkit can be applied together to address many of these challenges; and introduce a taxonomy of middleware layers for understanding and solving distributed design problems. It then shows how ACE provides flexible, portable, and efficient support for each of these design dimensions. Extensive C++ code samples are provided. For all developers, analysts, and architects using C++ to build enterprise applications.