



Ian Gorton

Essential Software Architecture

- Provides clear and concise information about methods and techniques for architectural best-practice in IT systems
- Describes and analyses component and middleware technologies that support fundamental architectural patterns in enterprise systems
- Looks forward to how recent and emerging technologies like SOA, MDA, AOD, and software product lines may affect the next generation of enterprise information system architectures
- Uses real-world examples from banking, e-commerce, and government information systems to explain methods and technologies
- Provides many pointers and references to further work on software architecture

2006, XVIII, 286 p. 93 illus.

eBook

39,99 € | £31.99 | \$44.99

[2]39,99 € (D) | 39,99 € (A) | CHF 57,50

Available from your library or springer.com/shop

MyCopy [3]

Printed eBook for just

€ | \$ 24.99

springer.com/mycopy

Job titles like "Technical Architect" and "Chief Architect" nowadays abound in the software industry, yet many people suspect that "architecture" is one of the most overused and least understood terms in professional software development. Gorton's book helps resolve this predicament. It concisely describes the essential elements of knowledge and key skills required to be a software architect. The explanations encompass the essentials of architecture thinking, practices, and supporting technologies. They range from a general understanding of software structure and quality attributes, through technical issues like middleware components and documentation techniques, to emerging technologies like model-driven architecture, software product lines, aspect-oriented design, service-oriented architectures, and the Semantic Web, all of which will influence future software system architectures. All approaches are illustrated by an ongoing real-world example. So if you work as an architect or senior designer (or want to someday), or if you are a student in software engineering, here is a valuable and yet approachable source of knowledge. "Ian's book helps us to head in the right direction through the various techniques and approaches... An essential guide to computer science students as well as developers and IT professionals who aspire to become an IT architect". (Anna Liu, Architect Advisor, Microsoft Australia)

Order online at springer.com / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: customerservice@springernature.com. / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: customerservice@springernature.com.

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

