Software Architecture

Organizational Principles and Patterns

DAVID M. DIKEL · DAVID KANE · JAMES R. WILSON

"The three authors do a good job of highlighting the dual aspect of the architect's job: handling social as well as technical complexity. They connect the architect's technical activity to surrounding social issues that can easily derail it, making good use of both patterns and antipatterns to structure their advice."

>—Alistair Cockburn, Humans and Technology
>author Surviving Object-Oriented Projects

"Dikel, Kane and Wilson have written at once a great tool book for the practitioner wishing to improve software product development, and a guide for the executive charged with managing complex software engineering activity."

>—Jeff Barr, President , Vertex Development

Implementing and managing software architecture across a value-chain, product-line, or enterprise can be tremendously difficult.

Software Architecture: Organizational Principles and Patterns offers the first complete roadmap for building software architectures that achieve the most demanding goals—now, and for years to come. Discover how to:

- Establish a product-line architectural framework and vision that managers, administrators, and developers can buy into
- Implement architectures that anticipate and predict change and can easily adapt to new business requirements
- Address the organizational issues that make or break enterprise software architectures

Unless you understand that architecture will interact with your organization and unless you know what to do, even the most sensible architectures can quickly stagnate or lead to more unpleasant surprises.

The authors, a team of leading architects, will show you how to field resilient, long-lasting architectures. Software Architecture: Organizational Principles and Patterns introduces the breakthrough VRAPS (Vision, Rhythm, Anticipation, Partnering and Simplification) model for software architecture and demonstrates how to leverage it through real-world case studies, patterns, and antipatterns.

About the Authors

DAVID DIKEL is a senior member of the professional staff at SRA International, where he focuses on large-scale architecture definition and management.

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**Software Engineering
Software Architecture**

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