

The Addison-Wesley Signature Series

A VAUGHN VERNON SIGNATURE
BOOK

PATTERNS FOR API DESIGN

SIMPLIFYING INTEGRATION
WITH LOOSELY COUPLED
MESSAGE EXCHANGES

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Foreword by
FRANK LEYMAN

“APIs are eating the world. Organizations and collaborations are depending more and more on APIs. For all these APIs to be designed, using patterns is a well-established way of tackling design challenges. *Patterns for API Design* helps practitioners to design their APIs more effectively: They can focus on designing their application domain while standard design issues are solved with patterns. If you’re working in the API space, this book will change how you design APIs and how you look at APIs.”

—Erik Wilde, *Catalyst at Axway*

“The authors have captured design patterns across the API lifecycle, from definition to design, in an approachable way. Whether you have designed dozens of web APIs or you are just starting out, this book is a valuable resource to drive consistency and overcome any design challenge you may face. I highly recommend this book!”

—James Higginbotham

*Author of Principles of Web API Design: Delivering value with APIs and
Microservices and Executive API Consultant, LaunchAny*

“APIs are everywhere in today’s software development landscape. API design looks easy but, as anyone who has suffered a poorly designed API will attest, it is a difficult skill to master and much subtler and more complex than it initially appears. In this book, the authors have used their long experience and years of research work to create a structured body of knowledge about API design. It will help you to understand the underlying concepts needed to create great APIs and provides a practical set of patterns that you can use when creating your own APIs. It is recommended for anyone involved in the design, building, or testing of modern software systems.”

—Eoin Woods, *CTO, Endava*

Application programming interfaces (API) are among the top priority elements to help manage many of the trade-offs involved in system design, in particular distributed systems, which increasingly dominate our software ecosystem. In my experience, this book removes the complexities in understanding and designing APIs with concepts accessible to both practicing engineers and those who are just starting their software engineering and architecting journey. All who aspire to play a key role in system design should understand the API design concepts and patterns presented in this book.”

—Ipek Ozkaya

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Patterns for API Design: Simplifying Integration with Loosely Coupled Message Exchanges

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