

# Microservices Patterns

*author: Chris Richardson*

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## Synopsis

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author	Chris Richardson
readBy	Aiden Humphreys, Lou Fernandez
inLanguage	english

*Microservices Patterns* teaches you how to develop and deploy production-quality microservices-based applications. This invaluable set of design patterns builds on decades of distributed system experience, adding new patterns for writing services and composing them into systems that scale and perform reliably under real-world conditions. More than just a patterns catalog, this practical guide offers experience-driven advice to help you design, implement, test, and deploy your microservices-based application.

about the technology

Successfully developing microservices-based applications requires mastering a new set of architectural insights and practices. In this unique book, microservice architecture pioneer and Java champion Chris Richardson collects, catalogues, and explains 44 patterns that solve problems such as service decomposition, transaction management, querying, and inter-service communication.

what's inside

- How (and why!) to use the microservice architecture
- Service decomposition strategies
- Transaction management and querying patterns
- Effective testing strategies
- Deployment patterns including containers and serverless

about the listener

Written for enterprise developers familiar with standard enterprise application architecture. Examples are in Java.

about the author

Chris Richardson is a Java champion, a JavaOne rock star, author of *Manning's POJOs in Action*, and creator of the original CloudFoundry.com.

"A comprehensive overview of the challenges teams face when moving to microservices, with industry-tested solutions to these problems." (Tim Moore, Lightbend)

"Pragmatic treatment of an important new architectural landscape." (Simeon Leyzerzon, Excelsior Software)

"A solid compendium of information that will quicken your migration to this modern cloud-based architecture." (John Guthrie, Dell/EMC)

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