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Titolo	Emerging Trends in the Evolution of Service-Oriented and Enterprise Architectures [[electronic resource] /] / edited by Eman El-Sheikh, Alfred Zimmermann, Lakhmi C. Jain
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Descrizione fisica	1 online resource (XVI, 265 p. 97 illus., 49 illus. in color.)
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Soggetti	Computational intelligence Artificial intelligence Computational Intelligence Artificial Intelligence
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Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction -- Approaches to the Evolution of SOA Systems -- Flexible and Maintainable Service-Oriented Architectures with Resource-Oriented Web Services -- Knowledge Elicitation and Conceptual Modeling to Foster Security and Trust in SOA System Evolution -- The Fractal Nature of SOA Federations: A Real World Example -- Leveraging Analytics for Digital Transformation of Enterprise Services and Architectures -- A Framework to Support Digital Transformation -- A Two-Speed Architecture for the Digital Enterprise -- Capability-Driven Development: A Novel Approach to Design Enterprise Capabilities -- Exploring the Nature of Capability Research -- Enterprise Architecture Analytics and Decision Support -- A Guide for Capability Management.
Sommario/riassunto	This book presents emerging trends in the evolution of service-oriented and enterprise architectures. New architectures and methods of both business and IT are integrating services to support mobility systems, Internet of Things, Ubiquitous Computing, collaborative and adaptive business processes, Big Data, and Cloud ecosystems. They inspire current and future digital strategies and create new opportunities for the digital transformation of next digital products and

services. Services Oriented Architectures (SOA) and Enterprise Architectures (EA) have emerged as a useful framework for developing interoperable, large-scale systems, typically implementing various standards, like Web Services, REST, and Microservices. Managing the adaptation and evolution of such systems presents a great challenge. Service-Oriented Architecture enables flexibility through loose coupling, both between the services themselves and between the IT organizations that manage them. Enterprises evolve continuously by transforming and extending their services, processes and information systems. Enterprise Architectures provide a holistic blueprint to help define the structure and operation of an organization with the goal of determining how an organization can most effectively achieve its objectives. The book proposes several approaches to address the challenges of the service-oriented evolution of digital enterprise and software architectures. .
