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Nota di contenuto	Application Integration: EAI, B2B, BPM and SOA; Table of Contents; Acknowledgements; Foreword; Chapter 1. Introduction; Chapter 2. What is Application Integration?; 2.1. The economy: the "engine" of integration; 2.2. The history and the issues of application integration; 2.3. Consequences for IT; 2.4. Integration typologies; 2.4.1. Classifying the integration problem types; 2.4.2. Classifying the applications; 2.5. EAI: Integrating enterprise applications (A2A); 2.5.1. Accounting interpretation: EAI precursor; 2.5.2. EAI today; 2.6. Integrating inter-enterprise exchanges (B2B) 2.7. Coupling A2A and B2B: A2B (or Business Collaboration)2.8. Managing business processes (BPM); 2.9. Service-oriented architectures (SOA); Chapter 3. Levels in Integration Services; 3.1. Transport and connectivity; 3.1.1. Defining partners; 3.1.2. Data transport; 3.1.3. Connectivity; 3.1.4. Supervising transport; 3.2. Adapting the information; 3.2.1. Transformation; 3.2.2. Routing; 3.2.3. Storage;

3.2.4. Defining the rules; 3.2.5. Supervising exchanges; 3.3. Automating business processes; 3.3.1. Modeling business processes; 3.3.2. Executing business processes 3.3.3. Supervising business processes3.4. Business process and integration: mediation and exchange; 3.4.1. Business process level and integration level; 3.4.2. Mediation process sub-level; 3.4.3. Exchange process sub-level; 3.4.4. Interaction between the sub-levels; 3.4.5. Interaction between integration and business process (BPM); 3.5. Choosing the exchange architecture; 3.5.1. Synchronous/asynchronous communication; 3.5.2. Architecture: centralized or distributed?; Chapter 4. Types of Integration Projects; 4.1. Integrating a single application; 4.1.1. Exchange cartography 4.1.2. The integration platform4.2. IT infrastructure projects; 4.2.1. Urbanization of information systems; 4.2.2. IT exchange infrastructure; 4.3. Integrating inter-enterprise exchanges; 4.3.1. Exchanging electronic documents (EDI); 4.3.2. XML standards; 4.3.3. Inter-enterprise "spaghetti" system; 4.3.4. Inter-enterprise exchange platforms; 4.3.5. "Single Window" initiatives; 4.4. Managing business processes; 4.4.1. Points of departure; 4.4.2. BPM project opportunity: choosing the processes; 4.4.3. The "top-down" approach; 4.4.4. Expected results; 4.5. Implementing a service architecture 4.5.1. Characteristics of an SOA4.5.2. Elements of an SOA infrastructure; 4.5.3. Applicable norms and standards; Chapter 5. Application Integration Tools; 5.1. Brokers; 5.2. Application servers; 5.3. Enterprise Service Bus (ESB); 5.4. BPM tools; Chapter 6. Understanding Integration Failures; 6.1. High failure rates; 6.2. The technological approach; 6.2.1. New technology or new packaging?; 6.2.2. Technology confronts reality; Chapter 7. Integration Myths; 7.1. The mirage of the single tool; 7.1.1. A conservative choice: example and consequences 7.1.2. "Modern" architectural choice: example and consequences

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## Sommario/riassunto

Application integration assembles methods and tools for organizing exchanges between applications, and intra- and inter-enterprise business processes. A strategic tool for enterprises, it introduces genuine reactivity into information systems facing business changes, and as a result, provides a significant edge in optimizing costs. This book analyzes various aspects of application integration, providing a guide to the alphabet soup behind EAI, A2A, B2B, BAM, BPM, ESB and SOA. It addresses the problems of choosing between the application integration solutions and deploying them successfully.

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