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	Descrizione fisica	1 online resource (440 p.)
	Collana	Wiley series in systems engineering and management
	Altri autori (Persone)	HodgsonRalph <1945->
	Disciplina	005.7/13
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	Soggetti	Middleware
		Enterprise application integration (Computer systems)
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	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Adaptive Information; Contents at a Glance; Contents; List of Illustrations; List of Tables and Other Sidebar Elements; Foreword; Preface; How This Book Will Help; Road Map; Guide to The Reader; Book Iconography and Picture Key; Pedagogical Elements in the Text; Acknowledgments; Part 1 Why Semantic Interoperability?; 1. Semantic Interoperability Gives IT Meaning; Does IT Matter Anymore?; Semantic Interoperability: 15-Year Overnight Success; Semantic Interoperability vs. the Semantic Web; Differing Uses of the Term "Interoperability"; The Third Wave; Strategies for Competitive Advantage Mergers and AcquisitionsCorporate Consolidation; Increased IT

Spending, Increased Agility?; Business and Application Impacts; Key Industries and Vertical Markets; Key Processes and Application Areas; The Information Explosion; Information Matters More Than Ever; Data Rich, Information Poor; Information Dominance; Systemic Barriers to IT Innovation; The Speed of Change Barrier; Entrenched IT Infrastructures; Fuzzy Data, Fuzzy Process; The "H" Factor; Summary and Conclusions; 2. Information Infrastructure Issues and Problems; Limitations of Current Technology Approaches

Off-the-Shelf Integration ProductsWeb Services and Service-Oriented Architectures; Data Warehouses and Metadata Management; Portals; Systems Integrators-Custom Solutions; Standard Data Vocabularies; Traditional Application Integration; Key Components; Disadvantages and Concerns; Application Integration Trend: Target the Vertical Markets; Integration's Core Issue; Application Integration as Plumbing; Why Connecting Systems is Necessary; The Coupling Question; Business Process Plumbing; Service-Oriented Plumbing; Why Plumbing is Insufficient; Enterprise Content, not Plumbing, is King

Enterprise Information Data StructuresContinuum of Knowledge; Final Thoughts on Overcoming Information Infrastructure Problems; Semantic Information Interoperability; 3. Promise of Frictionless Information; Organic Middleware: "Software, Integrate Thyself!"; A Tough Road Forward; Organic Middleware Hinges On Semantic Interoperability; Fragmented Industry Efforts and Organic Computing; Autonomic Computing; Semantic Web; Semantic Web Services; Service Grid; Model-Driven Architecture; Intelligent Agents; Achieving Synthesis; Intelligence Information Sharing in the Twenty-First Century

Information Sharing ImperativeInformation Sharing Conundrum; Toward a Pragmatic Solution: Semantic Interoperability; Semantic Interoperability Framework Characteristics; Dynamic; Real Time; Loosely Coupled; Highly Flexible; Secure; Open; Service Oriented; Information-Centric; Autonomic; Developing a Semantic Interoperability Solution Architecture; Design Time; Run Time; Final Thoughts on Frictionless Information; Part 2 Semantic Interoperability Primer; 4. Foundations in Data Semantics; Introduction; The Great Debate; Plato and Aristotle Argue About Truth; Kant Searches For What is Knowable C.S. Peirce Redefines Logic and Meaning

| Sommario/riassunto | New Paradigm for considering application integration and B2B problemsHeightens the importance of conveying meaning between systemsAddresses movement in the EAI space toward more data handling capabilitiesOffers a solution for the multitude of managers disconnected with the latest technologiesLeverages the technical advances made in complex data integration over 15 yearsShifts the focus from technology solutions to information solutionsRelies heavily on the use of practical examples, tips, definitions, and soapbox excerpts throughout the main body of text |