1. Record Nr. UNINA9910807003803321 Autore Samtani Gunjan Titolo B2B integration : a practical guide to collaborative e-commerce / / Gunjan Samtani ; editors, Marcus Healey & Shyam Samtani London, : Imperial College Press Pubbl/distr/stampa Singapore; ; River Edge, N.J., : Distributed by World Scientific, c2002 **ISBN** 1-86094-957-6 Edizione [1st ed.] Descrizione fisica 1 online resource (589 p.) Altri autori (Persone) HealeyMarcus SamtaniShyam Disciplina 658.8/72/02855 Soggetti Electronic commerce Application software - Development Business enterprises - Data processing Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references (p. 531-540) and index. Nota di contenuto pt. I. The big picture. ch. 1. Introduction. 1.1. Evolution of next generation enterprises. 1.2. New rules of engagement. 1.3. B2B ecommerce. 1.4. B2B integration (B2Bi). 1.5. What is the return on investment (ROI) on B2Bi? 1.6. Conclusion -- ch. 2. Components, benefits, challenges and applications of B2B integration. 2.1. The word is out. 2.2. B2Bi components. 2.3. Benefits of B2B integration. 2.4. B2Bi challenges. 2.5. B2Bi-enabled applications. 2.6. Conclusion -- pt. II. Established integration components. ch. 3. Integration patterns. 3.1. Types of integration. 3.2. Data oriented B2B integration. 3.3. Portal oriented integration. 3.4. Application oriented integration. 3.5. Business process integration (BPI). 3.6. Which approach to use for your B2Bi implementation? 3.7. Conclusion -- ch. 4. Enterprise Application Integration (EAI). 4.1. Today's enterprise. 4.2. What is EAI? 4.3. Where did things go wrong? 4.4. Benefits of EAI. 4.5. Types of EAI. 4.6. Types of enterprise systems. 4.7. Leading EAI solutions. 4.8. Convergence of EAI and B2Bi. 4.9. Divergence of EAI and B2Bi. 4.10. Conclusion -- ch.

5. Business process management (BPM). 5.1. Existence of 'organization silos'. 5.2. Fundamentals of BPM. 5.3. BPM systems. 5.4. Universal language for BPM. 5.5. Standard business processes. 5.6. Conclusion --

ch. 6. Extensible markup language (XML). 6.1. The need for a universal language. 6.2. What is electronic data interchange (EDI)? 6.3. What's wrong with the first language of the Internet - HTML? 6.4. XML: the universal language of data interchange. 6.5. XSL - extensible stylesheet language. 6.6. Coexistence of XML and EDI. 6.7. Conclusion -- ch. 7. XML Standards for E-business. 7.1. Standards imperative for B2B application integration. 7.2. RosettaNet's solution. 7.3. FpML - financial products markup language. 7.4. Commerce XML (cXML). 7.5. Electronic business XML (ebXML). 7.6. Simple object access protocol (SOAP). 7.7. BizTalk framework. 7.8. Conclusion -- ch. 8. Middleware technologies. 8.1. What is middleware? 8.2. Transaction processing (TP) monitors. 8.3. Message oriented middleware (MOM). 8.4. Distributed objects and components. 8.5. Conclusion -- ch. 9. Integration brokers. 9.1. Introduction. 9.2. Architecture of integration brokers. 9.3. Components of integration brokers. 9.4. Services of integration brokers. 9.5. Selecting an integration broker for your company, 9.6. Leading integration brokers. 9.7. Conclusion -- ch. 10. Internet security. 10.1. Internet security (e-security) critical for B2Bi. 10.2. B2Bi - makes a company highly vulnerable to security risks. 10.3. Employees and other insiders pose the biggest threat. 10.4. E-security strategy. 10.5. Basic security services in B2Bi. 10.6. Key concepts in e-security solutions. 10.7. Shielding an organization from the outside world. 10.8. B2Bi and e-security. 10.9. Secure payments over the internet. 10.10. Security trends for the future. 10.11. Conclusion. pt. III. Evolving integration components. ch. 11. Web services. 11.1. Service oriented architecture (SOA). 11.2. What are Web services? 11.3. Essential features of a Web services environment, 11.4. Universal description, discovery and integration (UDDI). 11.5. Web services description language (WSDL). 11.6. Web services flow language (WSFL). 11.7. Putting everything together. 11.8. Essential features of a Web services framework. 11.9. Security requirements for Web services. 11.10. Where to start? 11.11. Web services networks. 11.12. Conclusion -- ch. 12. Wireless technologies. 12.1. Introduction. 12.2. The wireless Internet today, 12.3. Wireless application architecture and components. 12.4. Wireless security issues. 12.5. B2B wireless applications. 12.6. Enterprise integration issues for m-commerce. 12.7. Leading m-commerce solution providers. 12.8. To be or not to be... wireless: pertinent strategic considerations. 12.9. Conclusion -- ch. 13. Software agents. 13.1. Software agents enabling the formation of virtual organizations. 13.2. What are intelligent software agents? 13.3. What are agent systems? 13.4. Agent classification. 13.5. Agents and autonomy, 13.6. Multi-agent environment, 13.7. Agents and negotiation. 13.8. Agents and mobility. 13.9. Agents' role in B2B ecommerce and B2Bi. 13.10. Need for a universal language. 13.11. Conclusion -- pt. IV. B2Bi-enabled applications. ch. 14. Supply chain management (SCM). 14.1. Introduction. 14.2. Fundamentals of supply chain management. 14.3. Legacy supply chain. 14.4. B2Bi-enabled supply chain. 14.5. Supply chain planning and execution. 14.6. SCM challenges. 14.7. SCM techniques. 14.8. SCM systems. 14.9. Conclusion -- ch. 15. E-marketplaces and collaborative networks. 15.1. What are e-marketplaces? 15.2. Basics of B2B e-marketplaces. 15.3. How emarketplaces fit into a company's B2Bi plans. 15.4. Emergence of B2B collaborative networks. 15.5. Conclusion -- pt. V. Conclusion. ch. 16. B2B to P2P evolution. 16.1. Why peer-to-peer? 16.2. Leading P2P protocols. 16.3. Examples of P2P applications. 16.4. Benefits of P2Pbased applications in B2B integration. 16.5. But the road is winding. 16.6. Conclusion.

integration and collaborative e-commerce, by highlighting business needs, technologies, and development strategies. It equips companies with practical guidelines for quickly implementing an effective B2Bi strategy, and prepares them for the next wave of B2B integration and collaborative e-commerce. It clarifies the intricate dependencies among all the components of B2Bi, including integration patterns, enterprise application integration (EAI), business process management (BPM), Internet security, XML, Web services, middleware technologies, and integration brokers. Included are future technologies that will have a significant impact on B2Bi architectures, such as intelligent software agents, wireless technologies, and peer-to-peer computing. This reference provides a suitable framework for the design, development, and implementation of B2B integration, along with several case studies.