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	Nota di contenuto	1 A Web of Data: Towards the Idea of the Semantic Web -- 2 The Building Block for the Semantic Web: RDF -- 3 Other RDF-related Technologies: Microformats, RDFa and GRDDL -- 4 RDFS and Ontology -- 5 OWL: Web Ontology Language -- 6 SPARQL: Querying the Semantic Web -- 7 FOAF: Friend of A Friend -- 8 DBpedia -- 9 Linked Open Data -- 10 Schema.org and Semantic Markup -- 11 Social Network and the Semantic Web -- 12 Other Recent Applications: Data. gov and Wikidata -- 13 Getting Started: Change Your Data into Structured Data -- 14 Building the Foundation for Development on the Semantic Web -- 15 Example: Using Jena For Development on the Semantic Web -- 16 Follow Your Nose: A Basic Semantic Web Agent -- 17 A Search Engine that Supports Rich Snippets -- 18 More Application Examples on the Semantic Web.
	Sommario/riassunto	The Semantic Web represents a vision for how to make the huge amount of information on the Web automatically processable by machines on a large scale. For this purpose, a whole suite of standards, technologies and related tools have been specified and developed over the last couple of years, and they have now become the foundation for

numerous new applications. A Developer's Guide to the Semantic Web helps the reader to learn the core standards, key components, and underlying concepts. It provides in-depth coverage of both the what-is and how-to aspects of the Semantic Web. From Yu's presentation, the reader will obtain not only a solid understanding about the Semantic Web, but also learn how to combine all the pieces to build new applications on the Semantic Web. The second edition of this book not only adds detailed coverage of the latest W3C standards such as SPARQL 1.1 and RDB2RDF, it also updates the readers by following recent developments. More specifically, it includes five new chapters on schema.org and semantic markup, on Semantic Web technologies used in social networks, and on new applications and projects such as data. gov and Wikidata, and it also provides a complete coding example of building a search engine that supports Rich Snippets. Software developers in industry and students specializing in Web development or Semantic Web technologies will find in this book the most complete guide to this exciting field available today. Based on the step-by-step presentation of real-world projects, where the technologies and standards are applied, they will acquire the knowledge needed to design and implement state-of-the-art applications.