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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Fundamentals. Introduction -- Model-Driven Engineering Foundations -- Ontology Foundations -- Marrying Ontology and Model-Driven Engineering -- Conclusion of Part I -- The TwoUse Approach. The TwoUse Conceptual Architecture -- Query Languages for Integrated Models -- The TwoUse Toolkit -- Conclusion of Part II -- Applications in Model-Driven Engineering. Improving Software Design Patterns with OWL -- Modeling Ontology-Based Information Systems -- Enabling Linked Data Capabilities to MOF Compliant Models -- Conclusion of Part III -- Applications in the Semantic Web. Model-Driven Specification of Ontology Translations -- Automatic Generation of Ontology APIs -- Using Templates in OWL Ontologies -- Conclusion of Part IV -- Conclusion.
Sommario/riassunto	The next enterprise computing era will rely on the synergy between both technologies: semantic web and model-driven software development (MDSD). The semantic web organizes system knowledge in conceptual domains according to its meaning. It addresses various

enterprise computing needs by identifying, abstracting and rationalizing commonalities, and checking for inconsistencies across system specifications. On the other side, model-driven software development is closing the gap among business requirements, designs and executables by using domain-specific languages with custom-built syntax and se
