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Ontology Middleware and Reasoning; 12 Ontology-based Knowledge Management at Work: The Swiss Life Case Studies; 13 Field Experimenting with Semantic Web Tools in a Virtual Organization; 14 A Future Perspective: Exploiting Peer-to-Peer and the Semantic Web for Knowledge Management; 15 Conclusions: Ontology-driven Knowledge Management - Towards the Semantic Web?; References; Index

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## Sommario/riassunto

With the current changes driven by the expansion of the World Wide Web, this book uses a different approach from other books on the market: it applies ontologies to electronically available information to improve the quality of knowledge management in large and distributed organizations. Ontologies are formal theories supporting knowledge sharing and reuse. They can be used to explicitly represent semantics of semi-structured information. These enable sophisticated automatic support for acquiring, maintaining and accessing information. Methodology and tools are developed for intelligent access

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