Record Nr. UNINA9910785585003321 Autore Tupper Charles D Titolo Data architecture [[electronic resource]]: from zen to reality / / Charles **Tupper** Pubbl/distr/stampa Amsterdam; ; Boston, : Morgan Kaufmann, 2011 **ISBN** 1-283-06975-X 9786613069757 0-12-385127-0 Edizione [1st edition] Descrizione fisica 1 online resource (442 p.) Disciplina 005.1/2 Data structures (Computer science) Soggetti Software architecture Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Front Cover: Data Architecture: Copyright Page: Contents: Preface: SECTION 1 THE PRINCIPLES; Chapter 1 Understanding Architectural Principles: Defining Architecture: Design Problems: Patterns and Pattern Usage; Concepts for Pattern Usage; Information Architecture; Structure Works!; Problems in Architecture; Architectural Solutions; The "Form Follows Function" Concept: Guideline: Composition and Environment: Guideline: Evolution; Guideline: Current and Future; Data Policies (Governance), the Foundation Building Codes; Data Policy Principles Chapter 2 Enterprise Architecture Frameworks and MethodologiesArchitecture Frameworks; Brief History of Enterprise Architecture; The Zachman Framework for Enterprise Architecture; The Open Group Architecture Framework: The Federal Enterprise Architecture; Conclusions; Enterprise Data Architectures; Enterprise Models; The Enterprise Data Model; The Importance of the Enterprise Data Model; Object Concepts: Types and Structures Within Databases; Inheritance; Object Life Cycles; Relationships and Collections; Object Frameworks; Object Framework Programming; Pattern-Based Frameworks Architecture Patterns in UseU.S. Treasury Architecture Development

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Sommario/riassunto

Data is an expensive and expansive asset. Information capture has forced storage capacity from megabytes to terabytes, exabytes and, pretty soon, zetabytes of data. So the need for accessible storage space for this data is great. To make this huge amount of data usable and relevant, it needs to be organized effectively. Database Base Management Systems, such as Oracle, IBM's DB2, and Microsoft SqlServer are used often, but these are being enhanced continuously and auxiliary tools are being developed every week; there needs to be a fundamental starting point for it all. That stating point is