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   Descrizione fisica   1 online resource (130 p.)

   Disciplina   004
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   Soggetti   Application software
                                 Computer communication systems
                                 Management information systems
                                 Computer science
                                 Business
                                 Management science
                                 Information Systems Applications (incl. Internet)
                                 Computer Communication Networks
                                 Management of Computing and Information Systems
                                 Business and Management, general

   Lingua di pubblicazione   Inglese

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   Livello bibliografico   Monografia

   Note generali   Description based upon print version of record.

   Nota di bibliografia   Includes bibliographical references.

   Nota di contenuto   Introduction -- Background -- Trust Management and Discovery of
                                 Cloud Services -- Robust and Adaptive Credibility Model -- Scalable
                                 Availability Model -- Cloud Service Crawler Engine -- Implementation
                                 and Performance Study -- Conclusions.

   Sommario/riassunto   This book describes the design and implementation of Cloud Armor, a
                                 novel approach for credibility-based trust management and automatic
                                 discovery of cloud services in distributed and highly dynamic
                                 environments. This book also helps cloud users to understand the
                                 difficulties of establishing trust in cloud computing and the best

criteria for selecting a service cloud. The techniques have been validated by a prototype system implementation and experimental studies using a collection of real world trust feedbacks on cloud services. The authors present the design and implementation of a novel protocol that preserves the consumers' privacy, an adaptive and robust credibility model, a scalable availability model that relies on a decentralized architecture, and a cloud service crawler engine for automatic cloud services discovery. This book also analyzes results from a performance study on a number of open research issues for trust management in cloud environments including distribution of providers, geographic location and languages. These open research issues illustrate both an overview of the current state of cloud computing and potential future directions for the field. Trust Management in Cloud Services contains both theoretical and applied computing research, making it an ideal reference or secondary text book to both academic and industry professionals interested in cloud services. Advanced-level students in computer science and electrical engineering will also find the content valuable.