1. Record Nr. UNINA9910298979903321

| | |
|---|---|
| Autore | Noor Talal H |
| Titolo | Trust Management in Cloud Services [[electronic resource] /] / by Talal H. Noor, Quan Z. Sheng, Athman Bouguettaya |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014 |
| ISBN | 3-319-12250-9 |
| Edizione | [1st ed. 2014.] |
| Descrizione fisica | 1 online resource (130 p.) |
| Disciplina | 004<br>004.6<br>005.7<br>005.74 |
| Soggetti | Application software<br>Computer communication systems<br>Management information systems<br>Computer science<br>Business<br>Management science<br>Information Systems Applications (incl. Internet)<br>Computer Communication Networks<br>Management of Computing and Information Systems<br>Business and Management, general |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| 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.