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Titolo	High performance cloud auditing and applications // Keesook J. Han, Baek-Young Choi, Sejun Song, editors
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Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (xxiv, 360 pages) : illustrations (some color)
Collana	Gale eBooks
Disciplina	004.6782 005.8
Soggetti	Cloud computing High performance computing
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 and index.
Nota di contenuto	An Overview of Issues and Recent Developments in Cloud Computing and Storage Security -- Moving Target Defense for Cloud Infrastructures: Lessons from Botnets -- Secure Mobile Cloud Computing and Security Issues -- Information Fusion in a Cloud-Enabled Environment -- Diagnosing Vulnerability Patterns in Cloud Audit Logs -- Exploiting Timing Side Channel for Secure Cloud Scheduling -- Federated Cloud Security Architecture for Secure and Agile Clouds.-Trust-Based Access Control for Secure Computing -- Assured Information Sharing (AIS) Using Private Clouds -- GPGPU Computing for Cloud Auditing -- CPU-GPU System Designs for High Performance Cloud Computing -- MapReduce Performance in Federated Cloud Computing Environments -- Improving Cloud Performance with Router-based Filtering.
Sommario/riassunto	This book mainly focuses on cloud security and high performance computing for cloud auditing. The book discusses emerging challenges and techniques developed for high performance semantic cloud auditing, and presents the state of the art in cloud auditing, computing and security techniques with focus on technical aspects and feasibility of auditing issues in federated cloud computing environments. In summer 2011, the United States Air Force Research Laboratory (AFRL) CyberBAT Cloud Security and Auditing Team initiated the exploration of

the cloud security challenges and future cloud auditing research directions that are covered in this book. This work was supported by the United States government funds from the Air Force Office of Scientific Research (AFOSR), the AFOSR Summer Faculty Fellowship Program (SFFP), the Air Force Research Laboratory (AFRL) Visiting Faculty Research Program (VFRP), the National Science Foundation (NSF) and the National Institute of Health (NIH). All chapters were partially supported by the AFOSR Information Operations and Security Program extramural and intramural funds (AFOSR/RSL Program Manager: Dr. Robert Herklotz). Key Features: · Contains surveys of cyber threats and security issues in cloud computing and presents secure cloud architectures · Presents in-depth cloud auditing techniques, federated cloud security architectures, cloud access control models, and access assured information sharing technologies · Outlines a wide range of challenges and provides solutions to manage and control very large and complex data sets

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