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Nota di contenuto	Minimization of Testing Costs in Capacity-Constrained Database Migration -- Community Detection via Neighborhood Overlap and Spanning Tree Computations -- Colocation, Colocation, Colocation: Optimizing Placement in the Hybrid Cloud -- A Peer-to-Peer based Cloud Storage supporting orthogonal Range Queries of arbitrary Dimension -- A Fully Polynomial Time Approximation Scheme for Packing While Traveling -- Multi-Commodity Flow with In-Network Processing -- On-line BigData Processing for Visual Analytics with Argus-Panoptes -- An Overview of Big Data Issues in Privacy-

	Preserving Record Linkage -- Web Frameworks Metrics for Data Handling and Visualization -- Algorithms for Cloud-based Smart Mobility -- A Frequent Itemset Hiding Toolbox.
Sommario/riassunto	This book constitutes the refereed post-conference proceedings of the 4th International Symposium on Algorithmic Aspects of Cloud Computing, ALGOCLOUD 2018, held in Helsinki, Finland, in August 2018. The 11 revised full papers were carefully reviewed and selected from 29 submissions. The aim of the symposium is to present research activities and results on topics related to algorithmic, design, and development aspects of modern cloud-based systems.