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Nota di contenuto	-- ALGO CLOUD 2024. -- Innovating Medical Record Keeping with Blockchain, RSA-Encrypted NFTs, and Smart Contracts. -- Towards 2-Resilient Local Failover in Destination-Based Routing. -- Dynamic Accountable Storage: An Efficient Protocol for Real-time Cloud Storage Auditing. -- Achieving Processing Balance in LoRaWAN Using Multiple Edge Gateways. -- Optimizing resource-constrained distance matching for cloud based systems. -- Edge-based Federated Learning Methods for Remaining Useful Life Estimation in IIoT. -- Degree

Distribution Optimization in Historical Graphs. -- Leveraging Apache Spark for Appliance-Level Load Monitoring with Ensemble Learning Techniques. -- QuantuML: Machine Learning Algorithms and K-means on Quantum Cloud offering. -- Outsourced Distributed Computation with PROOF. -- ALGO CLOUD 2022. -- Edge-Enabled Machine Learning for Solar Power Production Forecasting.

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#### Sommario/riassunto

This book constitutes the refereed proceedings of the 9th International Symposium on Algorithmic Aspects of Cloud Computing, ALGO CLOUD 2024, held in London, UK, during September 2024. The 9 full papers and 1 short paper presented here were carefully reviewed and selected from 18 submissions. They focus on various topics in the emerging area of algorithmic aspects of Computing and data management in modern Cloud-based systems.

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