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Descrizione fisica	1 online resource (XLIV, 355 p. 206 illus., 190 illus. in color.)
Disciplina	621.3815 004.6782
Soggetti	Electronic circuits Electrical engineering Computer networks Circuits and Systems Communications Engineering, Networks Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Foundations of Cloud Computing -- Cloud Computing Pyramid -- Features of Private and Public Clouds -- Cloud Workload Characterization -- Cloud Management and Monitoring -- Cloud Computing and Information Security -- Migrating to Cloud -- Migrating a Complex Industry to Cloud -- Cost and Billing practices in Cloud -- Analytics in the Cloud -- Additional Security Considerations for Clouds -- Future trends in Cloud Computing -- A Quick Test of your Cloud fundamentals grasp -- Hands-on project to use Cloud Service Provider.
Sommario/riassunto	This book provides readers with an overview of Cloud Computing, starting with historical background on mainframe computers and early networking protocols, leading to current concerns such as hardware and systems security, performance, emerging areas of IoT, Edge Computing etc. Readers will benefit from the in-depth discussion of cloud computing usage and the underlying architectures. The authors explain carefully the "why's and how's" of Cloud Computing, so engineers will find this book an invaluable source of information to the

topic. This second edition includes new material on Cloud Computing Security, Threat Vectors and Trust Models, as well as best practices for a using dynamic cloud infrastructure, and cloud operations management. Several new examples and analysis of cloud security have been added, including edge computing with IoT devices. Provides practical guidance for software developers engaged in migrating in-house applications to Public Cloud; Describes for IT managers how to improve their Cloud Computing infrastructures; Includes coverage of security concerns with Cloud operating models; Uses several case studies to illustrate the “why’s and how’s” of migrating to the Cloud.
