

1. Record Nr.	UNISA996546826503316
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Titolo	Essentials of Cloud Computing [[electronic resource] ] : A Holistic, Cloud-Native Perspective // by Chellammal Surianarayanan, Pethuru Raj Chelliah
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-32044-1
Edizione	[2nd ed. 2023.]
Descrizione fisica	1 online resource (368 pages)
Collana	Texts in Computer Science, , 1868-095X
Altri autori (Persone)	ChelliahPethuru Raj
Disciplina	004.6782
Soggetti	Cloud Computing Internet programming Computer networks Internet of things Web Development Computer Communication Networks Internet of Things
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Introduction to Cloud Computing -- 2. Fundamentals of Cloud Computing -- 3. Technological Foundations of Cloud Computing -- 4. Cloud Networking -- 5. Storage Fundamentals and Cloud Storage -- 6. Cloud Security -- 7. Cloud Migration -- 8. Cloud Monitoring -- 9. Basics of Cloud Management -- 10. Cloud Service Brokerage -- 11. Cloud Orchestration -- 12. Disaster Recovery.
Sommario/riassunto	Numerous advancements are being brought in and incorporated into the cloud domain with the aim of realizing a trove of deeper and decisive automations. Rather than discussing the cloud paradigm in isolation, this fully updated text examines how cloud computing can work collaboratively with other computing models to meet the needs of evolving trends. This multi-dimensional approach encompasses the challenges of fulfilling the storage requirements of big data, the use of the cloud as a remote server for Internet of Things and sensor networks, and an investigation of how cloud computing is interlinked

with other established computing phenomenon such as edge computing. New chapters illustrate the distinct ideals of the cloud-native computing, proclaimed as the next-generation cloud computing paradigm. Topics and features: Includes learning objectives, motivating questions, and self-test exercises Introduces the underlying concepts, fundamental features, and key technological foundations of cloud computing Examines how enterprise networking and cloud networking can work together to achieve business goals Reviews the different types of cloud storage available to address the evolution of data and the need for digitization Discusses the challenges and approaches to implementing cloud governance, security, and the hot topic of cloud management Describes the details of cloud migration, the crucial role of monitoring in optimizing the cloud, and the basics of disaster recovery using cloud infrastructure This technically rigorous, yet simple-to-follow textbook is an ideal resource for graduate courses on cloud computing. Professional software developers and cloud architects will also find the work to be an invaluable reference. Dr. Chellammal Surianarayanan is an Assistant Professor in the Department of Computer Science at Bharathidasan University, Tiruchirappalli, India. Dr. Pethuru Raj is Chief Architect of the Edge AI Division at Reliance Jio Platforms Ltd, Bangalore, India. His other Springer titles include: Software-Defined Cloud Centers, Automated Workflow Scheduling in Self-Adaptive Clouds, and High-Performance Big-Data Analytics.

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