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Cloud IoT

Concepts, Paradigms, and Applications

Edited By Jitendra Kumar Verma, Deepak Kumar Saxena, Vicente González-Prida Díaz, Vira Shendryk

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Book Description

The Internet of Things (IoT) is one of the most disruptive technologies, enabling ubiquitous and pervasive computing scenarios. IoT is based on intelligent self-configuring nodes (also known as things) interconnected in a dynamic and global collaborative network infrastructure. In contrast, Cloud computing has virtually unlimited capabilities in terms of storage and processing power, speed, and is a more mature technology. Due to intrinsic nature of Cloud computing and IoT, they both complement each other. Recently, we are witnessing an increasing trend in exploiting use of both Cloud and IoT together.

Salient Features:

- Presents latest developments in Cloud computing
- Presents latest developments in Internet of Things
- Establishes links between interdisciplinary areas where IoT and Cloud both can play a role for improvement of process
- Intends to provide an insight into non-IT related models for improvement of lives
- Bridges the gap between obsolete literature and current literature

This book is aimed primarily at advanced undergraduates and graduates working with IoT and cloud computing. Researchers, academicians, policy makers, government officials, NGOs, and industry research professionals would also find the book useful.

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Editor(s)

Biography

Dr. Jitendra Kumar Verma is an Assistant Professor at Indian Institute of Foreign Trade (IIFT), New Delhi in IT Discipline. Prior to joining IIFT, he served at Amity University Haryana, Galgotias University and Deen Dayal Upadhyaya College (University of Delhi). He received his degree of M.Tech and Ph.D. in computer science from Jawaharlal Nehru University, New Delhi in 2013 and 2017, respectively. He obtained his degree of B.Tech in Computer Science & Engineering from Kamla Nehru Institute of Technology (KNIT), Sultanpur in 2008. Over his short career, he has published numerous papers in peer-reviewed international journals, books with renowned publishers, conference proceedings papers, and book chapters. He has organized several international conference, seminars, and workshops. He delivered a numerous invited talks and