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Cloud Services, Networking and Management provides a comprehensive overview of the cloud infrastructure and services, as well as their underlying management mechanisms, including data center virtualization and networking, cloud security and reliability, big data analytics, scientific and commercial applications.

Special features of the book include:

- State-of-the-art content
- Self-contained chapters for readers with specific interests
- Includes commercial applications on Cloud (video services and games)

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Editorial Review

Review

Each chapter of the book is a separate self-contained part. The length of each chapter is adequately selected, while the balance between an introduction for beginners and details for advanced readers is excellently preserved. For a majority of the covered topics, a comprehensive survey and thoughtful taxonomy are provided. The presented issues are followed by the exemplary solutions, which are not only conceptual, but very often describe practical deployments. Furthermore, the reference lists are complete, while indicated directions for further studies are relevant and valuable.....Summarizing, I recommend this book as a source of very relevant and valuable information about popular and emerging cloud-related topics. An additional advantage is that security and energy efficiency are also addressed. - **(IEEE Communication Magazine-Nov 2016)**

From the Back Cover

This book will help decision makers as they consider the migration of services to the Cloud and serve as a reference tool for professionals in industry and academia

Cloud computing has changed the way information services are offered on the Internet, facilitating the establishment of new businesses based on a pay-per-use acquisition of computing resources. *Cloud Services, Networking and Management* provides a comprehensive overview of the cloud infrastructure and services, as well as their underlying management mechanisms, including data center virtualization and networking, cloud security and reliability, big data analytics, scientific and commercial applications.

Special features of the book include:

- State-of-the-art content
- Self-contained chapters for readers with specific interests
- Includes commercial applications on Cloud (video services and games)

Cloud Services, Networking, and Management includes up-to-date material on topics such as management and scheduling, Big Data, energy efficient operation, and commercial applications, from their basic concepts to recent advances and future research directions.

Nelson Fonseca is a Professor at the **Institute of Computing of the State University of Campinas, Brazil**. He's received several conference best paper awards including the IEEE Globecom Best Paper Award, the Medal of the Chancellor of the University of Pisa and the IEEE ComSoc Joseph LoCicero Award for Exemplary Service to Publications. He is an editorial board member of several journals and has chaired and created numerous IEEE conferences. **He is former EiC of the IEEE Communications Surveys and Tutorials.**

Raouf Boutaba is a Professor of Computer Science at the **University of Waterloo, Canada**. He has published extensively in the area of network and service management and received several journal and

conference Best Paper Awards such as the 2008 IEEE Fred W. Ellersnick Prize Paper Award as well as other recognitions such as the Dan Stokesbury award and the McNaughton Gold Medal. He is a fellow of the IEEE and the Engineering Institute of Canada.

About the Author

Nelson Fonseca is a Professor at the Institute of Computing of the State University of Campinas, Brazil. He's received several conference best paper awards. He received the IEEE ComSoc Joseph LoCicero Award for Exemplary Service to Publications. He was Editor-in-Chief of the IEEE Communications Surveys and Tutorials.

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