

# Cloud Enterprise Architecture

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**CRC Press**  
Taylor & Francis Group

AN AUERBACH BOOK



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*... a useful source of information for enterprise architects, managers, and directors of organizations, as well as students and researchers in the fields of Cloud computing and EA. It provides a thorough and timely investigation of the convergence of Cloud computing, on one hand, and enterprise data, applications, and infrastructure architectures, on the other. ... a welcome addition to the body of existing knowledge in these fields and emerging new technologies.*

—Zaigham Mahmood, School of Computing and Mathematics,  
University of Derby, UK

**Cloud Enterprise Architecture** examines enterprise architecture (EA) in the context of the surging popularity of Cloud computing. It explains the different kinds of desired transformations the architectural blocks of EA undergo in light of this strategically significant convergence. Chapters cover each of the contributing architectures of EA—business, information, application, integration, security, and technology—illustrating the current and impending implications of the Cloud on each.

Discussing the implications of the Cloud paradigm on EA, the book details the perceptible and positive changes that will affect EA design, governance, strategy, management, and sustenance. The author ties these topics together with chapters on Cloud integration and composition architecture. He also examines the Enterprise Cloud, Federated Clouds, and the vision to establish the InterCloud. Laying out a comprehensive strategy for planning and executing Cloud-inspired transformations, the book:

- Explains how the Cloud affects and changes enterprise architecture design, governance, strategy, management, and sustenance
- Presents helpful information on next-generation Cloud computing
- Describes additional architectural types such as enterprise-scale integration, security, management, and governance architectures

This book is an ideal resource for enterprise architects, Cloud evangelists and enthusiasts, and Cloud application and service architects. Cloud center administrators, Cloud business executives, managers, and analysts will also find the book helpful and inspirational while formulating appropriate mechanisms and schemes for sound modernization and migration of traditional applications to Cloud infrastructures and platforms.



**CRC Press**  
Taylor & Francis Group  
an Informa business  
[www.crcpress.com](http://www.crcpress.com)

6000 Broken Sound Parkway, NW  
Suite 300, Boca Raton, FL 33487  
711 Third Avenue  
New York, NY 10017  
2 Park Square, Milton Park  
Abingdon, Oxon OX14 4RN, UK

K14431

ISBN: 978-1-4665-0232-1



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