Table of Contents

International Journal of Cloud Applications and Computing

Volume 8 • Issue 1 • January-March-2018 • ISSN: 2156-1834 • eISSN: 2156-1826

An official publication of the Information Resources Management Association

Research Articles

1 Towards a Better Understanding of Ubiquitous Cloud Computing

Hamed Vahdat-Nejad, University of Birjand, Birjand, Iran Shaghayegh Ostadi Eilaki, University of Birjand, Birjand, Iran Shaghayegh Izadpanah, University of Birjand, Birjand, Iran

21 Assessment of Honeypots: Issues, Challenges and Future Directions

B. B. Gupta, National Institute of Technology Kurukshtra, India Alisha Gupta, National Institute of Technology Kurukshtra, India

55 A Novel Security Framework for Managing Android Permissions Using Blockchain Technology

Abdellah Ouaguid, RITM Laboratory, ESTC, Hassan II University, Casablanca, Morocco Noreddine Abghour, LIMSAD, FSAC, Hassan II University, Casablanca, Morocco Mohammed Ouzzif, RITM Laboratory, ESTC, Hassan II University, Casablanca, Morocco

80 On the Performance Evaluation of IaaS Cloud Services With System-Level Benchmarks

Sanjay P. Ahuja, University of North Florida, Jacksonville, USA Niharika Deval, University of North Florida, Jacksonville, USA

97 Cloud Computing Adoption: Scale Development, Measurement and Validation

Pragati Priyadarshinee, NITIE, Mumbai, India

117 Energy-Efficient Task Consolidation for Cloud Data Center

Sudhansu Shekhar Patra, School of Computer Application, KIIT University, Bhubaneswar, India

143 A Study on Secure Contents Strategies for Applications With DRM on Cloud Computing

Hoon Ko, Chosun University, Gwangju, South Korea Libor Mesicek, Jan Evangelista Purkyne University, Czech Republic Jongsun Choi, School of Computer Science and Engineering, Soongsil University, Seoul, South Korea Junho Choi, Division of Undeclared Majors, Chosun University, Gwangju, South Korea Seogchan Hwang, Gensoloft Inc., Seoul, South Korea

154 Enhancing the Security of Exchanging and Storing DICOM Medical Images on the Cloud

O. Dorgham, Prince Abdullah Ben Ghazi Faculty of Information Technology, Al-Balqa Applied University, Al Salt, Jordan

Banan Al-Rahamneh, Prince Abdullah Ben Ghazi Faculty of Information Technology, Al-Balqa Applied University, Al Salt, Jordan

Ammar Almomani, IT-Department, Al-Huson University College, Al-Balqa Applied University, Irbid, Jordan Moh'd Al-Hadidi, Prince Abdullah Ben Ghazi Faculty of Information Technology, Al-Balqa Applied University, Al Salt Jordan

Khalaf F. Khatatneh, Prince Abdullah Ben Ghazi Faculty of Information Technology, Al-Balqa Applied University, Al Salt, Jordan

COPYRIGHT

The International Journal of Cloud Applications and Computing (IJCAC) (ISSN 2156-1834; eISSN 2156-1826), Copyright © 2018 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The International Journal of Cloud Applications and Computing is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; INSPEC; JournalTOCs; MediaFinder; ProQuest Advanced Technologies & Aerospace Journals; ProQuest Computer Science Journals; ProQuest Illustrata: Technology; ProQuest SciTech Journals; ProQuest Technology Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)