

Accepted Manuscript

PAT: A precise reward scheme achieving anonymity and traceability for crowdcomputing in public clouds

Huaqun Wang, Debiao He, Yanfei Sun, Neeraj Kumar, Kim-Kwang Raymond Choo

PII: S0167-739X(16)30735-X

DOI: <http://dx.doi.org/10.1016/j.future.2016.12.005>

Reference: FUTURE 3246

To appear in: *Future Generation Computer Systems*

Received date: 17 July 2016

Revised date: 28 October 2016

Accepted date: 4 December 2016

Please cite this article as: H. Wang, D. He, Y. Sun, N. Kumar, K.-K.R. Choo, PAT: A precise reward scheme achieving anonymity and traceability for crowdcomputing in public clouds, *Future Generation Computer Systems* (2016), <http://dx.doi.org/10.1016/j.future.2016.12.005>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



PAT: A Precise Reward Scheme Achieving Anonymity and Traceability for Crowdcomputing in Public Clouds

Huaqun Wang

School of Computer Science and Technology, Nanjing University of Posts and Telecommunications, Nanjing, China

Debiao He*

State Key Lab of Software Engineering, Wuhan University, Wuhan, China

Yanfei Sun

Key Lab of Broadband Wireless Communication and Sensor Network Technology (NUPT), Nanjing, China

Neeraj Kumar

Department of Computer Science and Engineering, Thapar University, Patiala, India

Kim-Kwang Raymond Choo

Department of Information Systems and Cyber Security, The University of Texas at San Antonio, San Antonio, TX 78249, USA

School of Information Technology and Mathematical Sciences, University of South Australia, Adelaide, SA 5001, Australia

School of Computer Science, China University of Geosciences, Wuhan 430074, China

Abstract

While providing anonymity at terminal devices (e.g. Android and iOS devices) is beneficial for users (e.g. consuming services and resources without the risk of being traced), relevant stakeholders (e.g. providers and governments) may require conditional anonymity for billing purpose or to locate dishonest or compromised client devices. In a cloud computing deployment where large number of computation tasks are submitted to the public cloud, the public cloud server may encounter computation peak and hence, responses to the terminal devices may be delayed. Thus, in this paper, we design the first precise reward scheme

*Corresponding author.

Download English Version:

<https://daneshyari.com/en/article/6873429>

Download Persian Version:

<https://daneshyari.com/article/6873429>

[Daneshyari.com](https://daneshyari.com)