

## Accepted Manuscript

A privacy-preserved full-text retrieval algorithm over encrypted data for cloud storage applications

Wei Song, Bing Wang, Qian Wang, Zhiyong Peng, Wenjing Lou, Yihui Cui

PII: S0743-7315(16)30053-3

DOI: <http://dx.doi.org/10.1016/j.jpdc.2016.05.017>

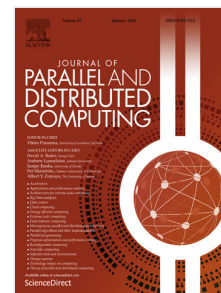
Reference: YJPDC 3512

To appear in: *J. Parallel Distrib. Comput.*

Received date: 25 September 2014

Revised date: 13 July 2015

Accepted date: 23 May 2016



Please cite this article as: W. Song, B. Wang, Q. Wang, Z. Peng, W. Lou, Y. Cui, A privacy-preserved full-text retrieval algorithm over encrypted data for cloud storage applications, *J. Parallel Distrib. Comput.* (2016), <http://dx.doi.org/10.1016/j.jpdc.2016.05.017>

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.

**Highlights:**

- We identify the problem of secure full-text retrieval over the encrypted data.
- A full-text retrieval algorithm based on the hierarchical Bloom filter tree index.
- A privacy-preserved ranking algorithm based on the membership entropy of words.
- The security and efficiency analysis of the proposed scheme.

Download English Version:

<https://daneshyari.com/en/article/4951727>

Download Persian Version:

<https://daneshyari.com/article/4951727>

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