**REVALUATED PROVABLE PROPRIETORSHIP DATA MOVEMENT**

**ABSTRACT:-**

With the rapid development of cloud computing, more and more enterprises would like to upload and store their data in the public cloud. When the parts of the business of an enterprise are purchased by another enterprise, the corresponding data will be transferred to the acquiring enterprise. For the usual case, how to outsource the computation cost of data transfer to the cloud? How to ensure the remote purchased data integrity? Thus, it is important to study provable data possession with outsourced data transfer (DT-PDP). In this paper, for the first time, we propose the novel concept: DT-PDP. By taking use of DT-PDP, the following three security requirements can be satisfied: (1) the other un-purchased data security of acquired enterprise can be ensured; (2) the purchased data integrity and privacy can be ensured; (3) the data transferability’s computation can be outsourced to the public cloud servers. For the security concept of DT-PDP, we give its motivation, system model and security model. Then, we design a concrete DT-PDP scheme based on the bilinear pairings. At last, we analyze the security, efficiency and flexibility of the concrete DT-PDP scheme. It shows that our scheme is provably secure and efficient.

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| **EXSISTING SYSTEM** | **PROPOSED SYSTEM** |
| * Verifying the integrity of remote data has become a critical issue in storing data on untrusted servers. * Remote data integrity can prevent public cloud servers from misrepresenting or modifying data. | * The novel concept can realize the following three functions: (1) we can ensure the security for the un-purchased data of acquired enterprise can be ensured ; (2) we can ensure the data integrity and privacy for the purchased data; (3) we can outsource most computation to the public cloud server for data transferability. |
| **EXISTING ALGORITHM**  Provable data possession (PDP) | **PROPOSED ALGORITHM:-**  Provable Data Possession With Outsourced Data Transfer (DT-PDP) |
| **ALGORITHM DEFINITION:-**  Existing algorithm proposed two PDP schemes which are provably secure based on the difficulty of large integer factoring. It is regretful that the two schemes don’t support dynamic data. | **ALGORITHM DEFINITION:-**  In the DT-PDP scheme definition, for every block of the acquired enterprise, in order to check its integrity, the corresponding tag must be created. These blocks and tags are used to check these remote data integrity. |
| DRAWBACKS:-   * No support for dynamic data * Prone to attacks | ADVANTAGES:-   * Ensure the security * Ensure the data integrity and privacy * Outsource the data easily |

**MINIMUMSYSTEM REQUIREMENTS**

**HARDWARE REQUIREMENTS**

* PROCESSOR : DUAL CORE 2 DUO.
* RAM : 2GB DD RAM
* HARD DISK : 250 GB

**SOFTWARE REQUIREMENTS**

* FRONT END : J2EE (JSP, SERVLET)
* BACK END : MY SQL 5.5
* OPERATING SYSTEM : WINDOWS 7
* IDE : ECLIPSE