Available Online at www.ijcsmc.com

International Journal of Computer Science and Mobile Computing

A Monthly Journal of Computer Science and Information Technology

ISSN 2320–088X

IJCSMC, Vol. 3, Issue. 1, January 2014, pg.434 – 440

RESEARCH ARTICLE

Design & Implementation of Data Protection Server: Detect Guilty Agent & Protect Secure Data

Hema Donekar[1], Pratiksha Raut[2], Nita Janorkar[3], Shital Admane[4], Indu Mandwi[5]

Student, CSE, DBACER, Nagpur, India[1]
Student, CSE, DBACER, Nagpur, India[2]
Student, CSE, DBACER, Nagpur, India[3]
Student, CSE, DBACER, Nagpur, India[4]
Lecturer, CSE, DBACER, Nagpur, India[5]

ABSTRACT: ***This paper presents a proactive protect scheme based on Data protection Server. We propose an improved approach based on detection of leakage and identifying the guilty party.which enhances the security of data. A data distributor has given sensitive data to a set of supposedly trusted agents (third Parties). Some of the data are leaked and found in an unauthorized place (e.g., on the web or somebody's laptop). The distributor must assess the likelihood that the leaked data came from one or more agents, as opposed to having been independently gathered by other Means. We propose data allocation strategies (across the agents) that improve the probability of identifying leakages. These methods do not rely on alterations of the released data (e.g., watermarks). In some cases, we can also inject "realistic but fake" data records to further improve our chances of detecting leakage and identifying the guilty party.***

Keywords: Data Protection Server; Detect leakage of data; Find Guilty agent; Provide Security

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Full Text: http://www.ijcsmc.com/docs/papers/January2014/V3I1201476.pdf