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. 2, Issue. 7, July 2013, pg.33 – 40

RESEARCH ARTICLE

Resource Allocation Based on Agreement with Data Security in Cloud Computing

Miss. Aparna Deshmukh[1], Prof. Archana Nikose[2]

[1]M-Tech- Computer Science Engineering, Smt. Bhagwati Chaturvedi College of Engineering, Nagpur, Maharashtra, India

[2]Computer Science Engineering, Smt. Bhagwati Chaturvedi College of Engineering, Nagpur, Maharashtra, India

[1] *aparna85appy@gmail.com;* [2] *nikose.archu@gmail.com*

Abstract— Cloud computing system promises to offer subscription oriented computing services to users worldwide. Cloud computing has been envisioned as the next-generation architecture of IT enterprise. In contrast to traditional solutions, where the IT services are under proper physical, logical and personnel controls, cloud computing moves the application software and databases to the large data centers, where the management of the data and services may not be fully trustworthy. Migrating from traditional software to Cloud enables on-going revenue for software providers. However, in order to deliver hosted services to customers, SaaS companies have to either maintain their own hardware or rent it from infrastructure providers. This requirement means that SaaS providers will incur extra costs. In order to minimize the cost of resources, it is also important to satisfy a minimum service level to customers. Therefore, this paper proposes resource allocation algorithms for SaaS providers who want to minimize infrastructure cost and SLA violations. An SLA is a formal contract used to guarantee that consumers " service quality expectation can be achieved. Cloud Computing moves the application software and databases to the large data centers, where the management of the data and services may not be fully trustworthy. So, in this paper focus on cloud data storage security, which has always been an important aspect of quality of service.

Key Terms: - Cloud computing; Service Level Agreement (SLA); Resource Allocation; Scheduling; Software as a Service

Full Text: http://www.ijcsmc.com/docs/papers/July2013/V2I7201312.pdf