

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.355 – 365

RESEARCH ARTICLE

Efficient Service Broker Algorithm for Data Center Selection in Cloud Computing

Prof. Deepak Kapgate

Department of CSE, G.H.R.A.E.T

Nagpur (M.S.), India

deepakkapgate32@gmail.com

Abstract - In cloud computing, load balancing is required to distribute the local workload evenly across all the nodes. It helps to achieve a high user satisfaction and resource utilization ratio by ensuring an efficient and fair allocation of every computing resource. Proper load balancing aids in minimizing resource consumption, implementing fail-over, enabling scalability, avoiding bottlenecks etc. In this paper, we proposed and implemented new service broker (DC selection) algorithm in cloud computing. Also we compare the results of proposed technique with existing technique. This study concludes that the proposed DC selection algorithm mainly focus on reducing associated overhead, service response time and improving performance etc. Various parameters are also identified, and these are used to compare the existing techniques.

Keywords - Cloud Computing; Load Balancing Techniques; Data Center Selection Algorithm; Service Broker Policy

Full Text: <http://www.ijcsmc.com/docs/papers/January2014/V3I1201462.pdf>