Abstract

This paper proposes an algorithm that we named as a New Static load balancing algorithm in cloud computing. The proposed algorithm is using the concept of both Active Monitoring Load Balancing Algorithm and Throttled Load Balancing Algorithm. The detailed design, pseudo code and implementation of algorithm are also presented in this paper. The results (Overall Response Time and Datacenter Processing Time) obtained are compared with the results of Throttled Load Balancing Algorithm. This comparison is done after implementing and analysing each of the existing algorithms discussed in this paper, and found that Throttled Load Balancing Algorithm is best among all the existing. The other sections in the paper are introduction, related works, conclusion etc.
A New Static Load Balancing Algorithm in Cloud Computing


6. R. N. Calheiros, R Ranjan, A Beloglazov1, C A. F. De Rose, R. Buyya, “CloudSim: a toolkit for modeling and simulation of cloud computing environments and evaluation of resource provisioning algorithms”, Published online 24 August 2010 in Wiley Online Library.


13. S. Long, Y. Zhao, ”A toolkit for modeling and simulating cloud data storage: an extension to CloudSim”, International Conference on Control Engineering and Communication Technology (ICCECT), 2012.

Index Terms

Computer Science Algorithms
Keywords

Datacenter, static load balancing, algorithm