Abstract

Cloud computing provide unlimited resources and services to the end users. Users can access these resources through internet. They need to pay only for those resources as much they use. In cloud computing load balancing is very important technique. Max-min algorithm and Min-min algorithms are proposed for load balancing in cloud computing. These algorithms are implementing based on study of RASA algorithm. Modified max -min used the concept of basic max -min. Modified Max-min is based on the execution time not on complete time as a selection basis. Load balancing algorithm provides better resource utilization and response time. New Max-min helps to achieving load balancing with lower make span rather than RASA and original Max-min.
Load Balancing in Cloud System using Max Min and Min Min Algorithm

References

- Nayandeep Sran, Navdeep Kaur, “Comparative Analysis of Existing Load Balancing Techniques in Cloud Computing.”
- Bala, Anju and Chana, Inderveer, “A survey of various workflow scheduling algorithms in cloud environment.”
- 2nd National Conference on Information and Communication Technology (NCICT), 2011
- Chaczko, Zenon and Mahadevan, Venkatesh and Aslanzadeh, Shahrzad and Mcdermid, Christopher, “Availability and load balancing in cloud computing.”
- International Conference on Computer and Software Modeling, Singapore, chaczko2011availability.
- www.google.com
- Y. Hu, R. Blake, D. Emerson, “An optimal migration algorithm for dynamic load balancing.”
- Etminani, Kobra and Naghibzadeh, M, “A min-min max-min selective algorithm for grid


- U. Bhoi, P. N. Ramanuj, "Enhanced max-min task scheduling algorithm in cloud computing".


Index Terms

Computer Science   Cloud Computing

Keywords

Cloud Computing  Load Balancing Algorithms  Max-min  Min-Min Algorithm